KESHAV MAHAVIDYALAYA

UNIVERSITY OF DELHI

H-4-5 ZONE, PITAMPURA, DELHI – 110034

Self-Study Report

2015

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

P.O.Box No.1075, Nagarbhavi,
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Preface

Keshav Mahavidyalaya is a premier institution of higher education established by the Govt. of NCT of Delhi in 1994. The foundation stone of the College was ceremoniously laid by Ms. Sheila Dikshit, the then Chief Minister, Govt. of NCT of Delhi on March 23, 2003. The building was inaugurated by the then Lt. Governor of Delhi, Mr. B. L. Joshi on Nov 27, 2005.

Since its inception, the College has dedicated itself to inspire and enable its students to meet the challenges of a knowledge-based society and to carve out a niche for themselves in the global competitive scenario. It emphasizes on seamlessly integrating the theoretical concepts with practical knowledge, by providing the students with the right infrastructure and environment for learning.

The College has around 1800 students studying in 9 different undergraduate courses, under the supervision of 100 faculty members and more than 60 non-teaching staff. A committed and enthusiastic team of academicians besides enriching the students academically also nurture their innovative thinking and behavioral skills by providing them adequate opportunities for academic and creative expression. The College has a highly supportive non-teaching staff that works tirelessly to provide the much needed support to the faculty and students. The staff members ensure holistic development of each individual so that they are not only creative but are also capable of critical reasoning.

The College stands on a sprawling campus of more than 10 acres and has an impressive infrastructure, e-enabled lecture halls and well equipped air-conditioned laboratories. It provides the best pedagogical practices with the aim to deliver curriculum in a way that promotes intellectual engagement of students and makes their learning a fun filled experience. It encourages its students and faculty to undertake both discipline specific and inter-disciplinary research initiatives and duly rewards their notable efforts and achievements.

The College has an ultra-modern Auditorium with a seating capacity of 800 persons. It is fully air-conditioned, built with best acoustics and high end light and sound facilities. A vast variety of seminars, lectures, cultural programs of the College and departmental events are organized in the auditorium. Participation in these plethora of events help the students discover their innate strengths and help them hone both social and communication skills. The opportunities provided by the College to organize and participate in large number of big events have gone a long way in the developing overall personalities of the students. An air –conditioned Seminar hall with LCD Projector, interactive board and Audio Conferencing Public Address System is used to host a variety of academic events throughout the year.

The College maintains a well-stocked, spacious, double-storey library comprising of two large reading rooms with the total seating capacity of

around 150. The library has more than 22,000 books and a rich collection of text and reference materials and encyclopedias in various disciplines. Large number of dailies, weeklies and periodicals are being subscribed by the library on regular basis. The library also provides reprographic services i.e. photocopier service to the users.

The College provides internet facility to its faculty and students available through the University of Delhi, Computer Centre via intranet. With the help of underground optical fiber link, the current available network speed is around 100 Mbps. All the labs in the College have access to e-journals subscribed by the University of Delhi through its intranet. The University of Delhi has facilitated the College campus with Wi-Fi connectivity that is vital for academic and research activity.

The College boasts of a spacious and comfortable Girls' Hostel with a capacity of 75 Students on twin sharing basis. Equipped with all basic and necessary facilities, the hostel provides its residents many opportunities to fulfill their academic, cultural, and social needs.

The College facilitates participation in sports activities by providing facilities for games like table tennis, carom, etc. It also has an indoor gymnasium, chess room and a playground of around 2 acres for outdoor sports such as badminton, tennis, basketball, cricket, football, netball, volleyball and korfball. Various sports activities and competitions are held every year which nurture the holistic development of the students.

The College has a well-organized and active Placement Cell that is linked with the Central Placement Cell of University of Delhi. It has been successfully placing students with good packages in organizations of repute year after year that not only offer significant job profiles, but also opportunities for growth and higher learning. During last couple of years, the students have been placed in renowned companies such as AT Kearney, Capital IQ, Protiviti Consulting, Jaypee Capital, Grail Research, Corporate Executive Board, Bank of America, Wipro, Infosys, IBM, among others.

Every department of the College has its own Society wherein the students get an opportunity to excel in leadership, enhancing the learning experience and channelizing their creative expressions through organizing various subject specific academic and co-curricular activities every year. Other than departmental societies the College also provides a platform for honing of variety of student talents through its co-curricular societies like: ADVAITAA: The Dance society; ANHAD: The Music Society, MANIERA: The Art society; SHADES: The Dramatic society; VAGMITA: The Literary society; : To provide a platform to budding writers and editors, and to promote creative designing, the College releases its annual magazine DWARIKA. The Department of Business Studies, Commerce and Psychology also release their annual magazine.

Volunteering for various community outreach programmes is encouraged at Keshav Mahavidyalaya to help the youth develop socially and spiritually. The Rotract Club has been proactive in establishing a humane connects with

society. It organizes drives for donating clothes and books, and blood donation camp annually to make students more empathetic and sensitive towards the needs of the society.

A number of socially responsible initiatives are also undertaken by the College which makes the students aware and sensitive towards issues of society and fashions them into conscientious and responsible citizens. The College has a Women Development Cell (WDC) that has recently organized various Seminars/ Talks to sensitize students on Sexual Harassment, Health, and Nutrition, Breast and Ovarian Cancer Awareness etc. The Internal Complaints Committee (ICC) of the College works for the prevention, prohibition and redressal of sexual harassment of women and promotes equal opportunity among gender. The College also promotes Environment and Eco-friendly practices like planting trees, recycling waste, taking steps to control air/water pollution, saving paper, etc. through its Garden Committee and Prakriti - the Eco Club. The College also has a National Service Scheme (NSS) unit that promotes community service through events like cleanliness drives, free health checkup camps, blood donation camps, self-defence classes for girls, lectures on health and nutrition, educational camps in slums, anti-tobacco campaign etc. The College also organizes Spic Macay events from time to time to enable the students remain connected with and appreciate our traditional Indian culture.

The College infrastructure provides equally accessible education and learning environment for all including differently abled students. The College has barrier free paths, elevated ramps, lift (elevator) for differently abled persons. Special toilet is also available for their convenience. With a view to provide help to economically marginalized students or reward meritorious students, the College provides fee concession facilities. The Student Aid Fund Committee of the College provides these students with tuition fee waiver, financial aid, books etc. The College campus is a **'No Ragging and No Smoking Zone'** to curb unhealthy and undesirable practices.

The College has its own website which is accessible to all stakeholders for the latest information and circulars/ notices. It provides information about the functional aspects of the College as well.

The students of the College have brought numerous laurels by excelling in academics, curricular, extra-curricular and sports, and securing University positions in a number of disciplines from time to time. At Keshav Mahavidyalaya, we believe in imbibing noble laureate Sir Albert Einstein's precient aphorism, "Try not to become a man of success, but a man of values". The College, therefore, endeavors to inculcate values which incorporate diligence, perseverance, honesty and integrity by upholding the parameters of transparency and accountability. By successfully synergizing the pillars of intellectual, spiritual, emotional and professional growth, the College has, over the years, built a reputation of being one of the best off-campus colleges of the University of Delhi.

We continue to work zealously and strive towards achieving higher standards year after year. To strengthen this endeavour, the College has prepared the

Preface

Self Study Report for the first cycle of assessment and accreditation by NAAC.

I take the honour, on behalf of the College, to hereby submit the Self Study Report of the College to NAAC, Bangalore for assessment and accreditation.

Dr. Madhu Pruthi
Principal
Keshav Mahavidyalaya
University of Delhi

Abbreviations

ANDC	Aacharya Narayan Dev College
APIO	Assistant Public Information Officer
BBS	Bachelor Of Business Studies
BFSI	Banking Financial Services & Insurance
BRAC	Bhim Rao Ambedkar College
CBSE	Central Board Of Secondary Education
CPC	Central Placement Cell
CRE	Customer Relationship Executive
CRISIL	Credit Rating Information Services of India Limited
DDU	Deen Dayal Upadhyaya College
DHE	Directorate of Higher Education
DRC	Daulat Ram College
DRDO	Defence Research and Development Organization
DST	Department of Science and Technology
DULS	Delhi University Library System
ECA	Extra Curricular Activities
EOC	Equal Opportunity Cell
ER	Essential Repeat
FDP	Faculty Development Programme
FYUP	Four Year Undergraduate Programme
GB	Governing Body
HBSE	Haryana Board Of Secondary Examination
HRC	Hansraj College
HTC	Housing Tax Credit
IA	Internal Assessment
ICAI	Institute Of Chartered Accountants Of India
ICC	Internal Complaints Committee
ICT	Information and Communication Technology

Abbreviations

ILFS	Infrastructure Leasing & Financial Services
IP	Inder Prastha College
IQAC	Internal Quality Assurance Cell
JMC	Jesus And Mary College
KMC	Kirori Mal College
KMV	Keshav Mahavidyalaya
LAN	Local Area Network
LSR	Lady Shri Ram College
LTC	Leave Travel Concession
MAC	Maharaja Aggarsen College
MCD	Municipal Corporation of Delhi
MHRD	Ministry of Human Resource Development
MOOC	Massive Open Online Course
MoU	Memorandum of Understanding
MUN	Model United Nations
NCC	National Cadet Corps
NCR	National Capital Region
NGO	Non-Governmental Organization
NSDC	National Skill Development Council
NSE	National Stock Exchange
NSS	National Service Scheme
OEM	Original Equipment Manufacturer
PI	Principal Investigator
PIO	Public Information Officer
PwD	Person with Disability
PWD	Public Works Department
SAF	Students Aid Fund
SCC	Skill Council Corporation
SOP	Standard Operating Procedure
SRCC	Shri Ram College of Commerce

SSCBS	Shahid Sukhdev College of Business Studies
SVC	Shri Venkateswara College
TIC	Teachers-In-Charge
UGC	University Grants Commission
WDC	Women's Development Cell

Executive Summary

We at Keshav Mahavidyalaya abide by the motto - "ऋते ज्ञानान्न मुक्ति:", i.e., without knowledge, there is no salvation. The College believes in realizing this ideal by moving forward in a direction to accomplish the vision. The College at the age of 20 years offers 9 courses, has 100 committed faculty members, efficient non-teaching and hardworking support staff who cater to about 1800 students.

The College, at present offers the following courses: BBS (Bachelor of Business Studies), B.Sc. (H) Computer Science, B.Com. (H), B.Sc. (H) Mathematics, B.Sc. (H) Electronics, B.Sc. (H) Physics, B.A. (H) Psychology, B.Sc. (G) Mathematical Science and B.Sc. Physical Science with Computer Science. Besides these degree courses, the College also provide short term certificates courses in foreign languages (French and German).

A brief summary of the seven criteria that are detailed in the Self Study Report is presented below.

Curricular Aspects

The College has a well stated vision, mission and objectives. All activities here are designed keeping in mind the vision and mission of the college and carried out to meet the stated objectives. The emphasis is on nurturing curricular as well as co-curricular learning and imparting value based education.

The curricula of the courses running in the College are appropriately designed and periodically revised by the University after taking necessary feedback from the various stakeholders e.g. students, teachers, peers, alumni and industry. The University also keeps in view the prevailing challenges and opportunities in the fast changing global environment while developing the curricula. The faculty members of the College have also been actively participating in the process of designing, restructuring and revising of the curricula. The University of Delhi introduced the semester system from the Academic year 2010-11. The curricula of all the courses were redesigned then and are being revised and updated periodically to meet the present requirements.

The College strictly follows the academic calendar designed by the University and keeps a close watch for timely completion and effective delivery of curriculum. The class rooms are ICT enabled and the campus is Wi-Fi enabled. The College library is connected to the University Library System, making it easier for teachers and students to access all online journals subscribed by the University. The College also allocates adequate funds for purchase of books, reading material, laboratory equipments and so forth.

The College provides infrastructural facilities and support for achieving academic excellence. The faculty members participate in Faculty Development Programmes, Seminars, Conferences, Workshops, Symposiums,

Refresher Courses, Orientation Program etc. conducted at national and international levels which significantly improves the teaching quality.

The College enriches University prescribed curricula by organizing seminars, workshops, skill based programs, industrial visits, environmental visits, publishing newsletters, organizing technical festivals at the department and cultural festivals at the College level. The College also puts in efforts to address the cross cutting issues of gender, environment, human rights etc. Emphasis on developing the Information Technology skills remains an essential component of the curriculum.

The College-Industry interface is ensured through College Placement Cell. The experts from industry visit the College regularly to share their rich industry experience. The informal feedback on curriculum is also obtained from all stakeholders from time to time for enriching the same.

Teaching-Learning and Evaluation

As an educational institution, Keshav Mahavidyalaya strives towards imparting holistic education to all its students. The College prepares its students as global citizens who can meet the demands of the market and at the same time stand up to the expectations of the society. The College firmly believes in the principle of inclusion and equal opportunity for all.

The admission process in the College is as per the norms of University of Delhi and is absolutely fair and transparent. The eligibility of admissions under various categories is governed by the University's guidelines. The College admits differently abled students as per norms of University of Delhi. Admissions to exceptionally talented students in the fields of extracurricular activities and sports are granted on the basis of trials conducted by the College committee in the presence of the officials from the University.

The teaching - learning process is one of the most important factors in achieving the objectives laid out by an educational institute. The ethos of teaching learning practices is to move the learning forward beyond the classroom, towards a better living environment through inculcating a questioning and analytical mind. Questioning and analyzing may not always lead to conclusive solutions but the whole process inculcates critical thinking, creativity and scientific temperament among the students. Keshav Mahavidyalaya implements this through various activities and programs to transform the students into life-long learners and innovators. The curriculum related problems of the students are regularly addressed by the concerned faculty members during the tutorial, practical and interactive classes.

The well qualified faculty members of the College endeavor continuously to supervise the progress of students and create an amicable learning environment for them. To keep themselves abreast with the latest trends in the industry and field of research, faculty members undergo various Faculty Development and Orientation Programmes; attend Seminars, National and International Conferences to enhance their knowledge about advancements in various topics. The Seminars and Workshops are also conducted in College to help students understand the subject better and go in pace with the changing times.

Teaching-learning is a dynamic process that requires continuous monitoring of the academic resources available in the College. Preparing a lecture requires a lot of inputs which are derived using modern techniques and methodology. An up to date infrastructure in the College such as ICT labs with latest computers, LCD projectors and internet facility lends an easy access to information. Teaching students through blended e-learning techniques ensures exposure to latest technologies and pedagogies both in the students and faculty.

The teaching-learning process is incomplete without the essential component of assessment of performance. The students are assessed on formative as well as summative levels. The results of the students are analyzed to get an insight in the students' as well as teachers' performance. The feedback given by the companies visiting the College for student placements is another parameter to judge the learning outcomes of a course. The institute utilizes the feedback thus gathered to improve upon the teaching methodologies so that students are better prepared for facing the challenges of the market.

The College aims to enhance the social and economic relevance of the courses. Several initiatives have been taken to make the students aware of their responsibilities towards society. They indulge in extension activities like blood donation, book donation and clothes donation for the benefit of the society. Participating in internship programs inculcates values of team work amongst them. In addition, the College organizes seminars, academic and cultural festivals, etc. where all students and faculty members participate. They also attend workshops and seminars held from time to time at the inter college, the university and inter university levels.

The College is proudly committed to share its social responsibility towards students from diverse backgrounds. College Administration and empowerment bodies like Equal Opportunity Cell, Women Development Cell, Grievance Cell, Internal Complaints Committee, etc. are in place to assist the students overcome their anxieties that often surface while they move on their way to achieve their objectives.

Keshav Mahavidyalaya believes in the ideology that ignorance of research plagues the progress of any educational institution. So, the College motivates its faculty members to actively participate in research related activities and inculcate research aptitude in students. This healthy practice has helped in developing a scientific temper among the students of Keshav Mahavidyalaya.

The College has always encouraged its faculty to pursue their academic goals of acquiring higher qualifications. Out of 46 permanent faculty members of the College, 33 have completed their PhD, 7 are M. Phil, and 2 are pursuing their PhD degrees. In the past four years, ten teachers have availed study leave to complete their doctoral research studies. Two teachers went to University of Glasgow, UK to do Post Graduation under Faculty Training Programme. Faulty members of the College are actively involved in research. They have published their research papers in reputed international and national journals. Four teachers of the College are supervising PhD students and around sixteen teachers were involved in either Innovation Projects or independent research projects. The College has received grants from University of Delhi for pursuing four Innovation Projects. Participation in innovation projects has given a platform to the students (around 40) and teachers for interacting,

working together and enhancing research aptitude in turn. In the last four years, ₹ 23, 44,500/- approximately have been disbursed to faculty members to carry out research projects. Around three faculty members of the College have presented their research papers at international platform outside India.

The departments of the College frequently invite eminent professors and researchers from various academic institutions and scientific organizations for holding talks and seminars. This provides an excellent opportunity to the students of the College to interact with them and enhance their knowledge.

The overall development of an educational institution is incomplete without engaging its students in extension services which address human and community needs. NSS, Rotract Club, EOC, WDC and Environment Club provide a suitable platform to all students and staff members of the College, to contribute their selfless services towards a noble cause. Involving students in such activities helps them to imbibe the significance of altruistic service and lets them take on a sense of responsibility in the society development process.

Infrastructure and Learning Resources

To carry out its academic curricular, co-curricular and extra-curricular pursuits, the College possesses well-equipped and well-maintained infrastructure. The College, spread over an area of 10 acres, has a modern, well-equipped and Wi-Fi enabled campus. This campus offers a large number of special opportunities for students. Apart from 28 e-enabled class rooms and 6 lecture theaters, the College has fully furnished laboratories in the departments of Computer Science, Electronics, Physics, Chemistry, Psychology, Management Studies, Commerce and Mathematics. The College has a well-stocked, spacious, Wi-Fi enabled duplex library comprising a big air-conditioned reading room. The College has a state-of-the-art auditorium with a seating capacity of 800 persons. It is fully air conditioned built with best acoustics and high end sound and light facilities. It has been the center for all cultural and academic activities of the College. The campus has a beautiful Amphitheatre with five pillars symbolizing the five elements- air, water, sky, earth and fire. It has a seating capacity of 500 persons. The College has an air conditioned seminar hall equipped with an LCD projector, Interactive board and an audio conferencing public addressing system. It has a seating capacity of around 100 persons and is used to host a variety of events throughout the year. The College boasts of a well designed, comfortable and spacious Girls' Hostel that can accommodate 75 students in spacious rooms built to accommodate 2-3 students per room.

Student Support and Progression

The College actively supports the holistic development and progression of its students for higher education, employment or entrepreneurial ventures. The students from disadvantaged sections, overseas students, differently abled and students with learning difficulties are provided special attention and care. Scholarships and financial aid is offered to all desirous and deserving students. With overall development of the students high on its priority, the College encourages participation of students in myriad curricular, extra-curricular and sports activities. The numerous laurels brought to the College by the students

is a testimony to this fact. A number of departmental and cultural societies and festivals facilitate the holistic development and channelize the creative potential of the students. An enabling environment is created for the skill development students through industry interaction, organizing industrial visits, guest lectures, hands on workshops etc. The College also ensures protection of student interests and rights by setting up of anti-ragging cell, grievance redressal cell and cell against sexual harassment. Regular alumni interactions are held to facilitate the opportunities for student alumni interaction and institutional development. The placement cell of the College works hard to ensure the training and successful placement of the students.

Governance, Leadership and Management

The non-teaching staff, the faculty members, the Principal and the management of the College makes their best and sincere efforts to achieve the stated Vision and Mission of the College. The College functions as a unit that intends to provide a good governance and leadership. The College functions, monitors and evaluates the stated plans through a number of committees consisting of faculty members and non-teaching staff members. The College works towards a decentralized governance system by delegating tasks to various committees and departmental Teachers-In-Charge and authorize them to make recommendations. At present, there are 36 committees, out of which 16 are constituted by the Staff Council, thus encouraging a culture of Participative Management. The committees hold periodical review meetings in order to ensure better functioning of the College. The Principal convenes regular meetings of the Staff Council for taking important decisions and their effective implementation. Various student committees such as NSS, sports and students clubs are constituted to develop leadership skills, organization skills and team spirit among the students. The policies and the plans of the College are made and implemented by involving the stakeholders and the final decisions are taken by the Governing Body of the College.

The College has recently formed its Internal Quality Assurance Cell which is working towards establishing the formal quality plans and policies for the College. The quality, however, is still ensured by incorporating innovative techniques and modern learning tools in day today teaching-learning activities. The review of the academic results, the interaction among the faculty and the regular feedback from the students enable the teachers to keep improving their teaching strategies.

The College has a formal mechanism to address the grievances/complaints of the staff and students. There are special committees purposely constituted to effectively and timely handling of students' or staffs' grievances/ complaints based on their type. These committees are Internal Complaints Committee, College and Hostel Anti-Ragging Committees, College and Hostel Proctorial Committees, Enabling Committee for Admissions, Grievance Committee for Admissions, Students' Grievance Committee and Grievance Committee for the College staff. Various welfare schemes are available for the benefit of the college staff.

The College prepares its budget in advance for the forthcoming financial year. The estimated budget is sent to the Govt. of NCT of Delhi through the

University of Delhi. The expenditure is monitored and controlled keeping in view the budget sanctioned. The Internal Audit is conducted annually by the Internal Auditor (a qualified Chartered Accountant) appointed by the Governing Body of the College. The External Audit is also conducted annually by auditors from the Local Fund Accounts of the Govt. of NCT of Delhi. The last audit for the financial year 2013-14 was carried out from 16th Dec to 23rd Dec 2014. There were no major audit objections.

Innovations and Best Practices

To promote environment consciousness, the College regularly initiates a Green Audit of its campus and facilities. The College participated enthusiastically in the 'Rashrtiya Swachchhata Abhiyaan', an initiative by Hon'ble Prime Minister Shri Narendra Modi. In order to promote cleanliness, National Cleanliness Drive was also organized. The Hostel residents celebrated Ganesh Chaturthi by designing an eco-friendly idol of Lord Ganesha, prepared from natural products like mud earth and decorated with eco-friendly paints. It was then submerged in a clay pot so that the same can regenerate new plant life by becoming fertile soil. A Garden Committee is specially constituted to take care of the beautiful green campus. Prakriti, the environment club works by the motto Tat Tvam Asi (that thou art) promoting the ideology that humans are constituent of their environment. The club activities focuses on the concept of RRR (Reduce, Reuse and Recycle) besides the activities such as planting trees, taking steps to control air/water pollution etc. All organic waste of the College is accumulated in a compost pit, dug in the College premises. The College building is constructed in such a way that the rain water and overflowing water from roof tanks flows down through drain pipes into the ground directly, which waters the plants without making the lawns and campus area messy.

A number of innovations have been introduced during the last four years which have created a positive impact on the functioning of the College. Circulation of important circulars through internet (emails) is promoted, in order to avoid wastage of paper. A Biometric Attendance System is in place for the non-teaching staff which has helped to have a complete paperless system. The College has successfully built and installed in-house online attendance software. The Internet and Website Monitoring Committee along with the College programmer manages online submission of students' monthly attendance using Google drive. The faculty members log into their user ids and upload/update the attendance data. This eliminates manual assistance of non-teaching staff for the uploading the attendance data, making the process of updating easier and prompt. The entire process is paperless and provides accurate percentage of lectures attended required for computation of attendance marks for internal assessment.

Four innovation projects, sanctioned by the University of Delhi to the faculty members and students of the College, were enthusiastically pursued and have brought significant and innovative changes in diverse areas. The College also got an opportunity to participate in the Gyanodaya - "College on Wheels" project, an initiative by the University of Delhi, under which a special train is

arranged to give exposure to the students on the huge cultural diversity of India.

The College has been able to establish various best practices in order to achieve its objectives. The College aims to inculcate values of social service among the students and to make them sensitive towards the needs of the economically and socially/ underprivileged community of the society. It encourages socially responsible initiatives to allow students to raise awareness of critical social issues among masses, alleviate poverty through work in social entrepreneurship and create a better living environment for the people. This is accomplished by varied means and creating formalized structures and societies like Rotract, NSS, Departmental societies, Eco clubs etc. which provide a medium to the students to contribute in meaningful ways to the society of which they are an integral part. The Rotract club of the College; BMS Society; Bizworld - the Commerce Society; the Dramatics Society – SHADES; the NSS students; the College Cultural Societies; the Environment Cell – PRAKARTI; and the Women Development Cell have contributed their bit by innovative practices that have created a desired social impact. These include undertaking blood, clothes, books donation drives, visiting orphanages and old age homes, organizing self-defence classes for girls and talks on gender issues. Social entrepreneurship projects helped in raising awareness, providing hope and encouraging the slum dwellers to volunteer and to become self-reliant.

The College strives to provide its students an enabling environment which stimulates, nurtures and brings forth the immense creative potential and talents of the students, through diverse programs and activities – the second best practice being followed by the College. These co-curricular and extra-curricular activities provide opportunities for holistic development, personality and character building, spiritual and physical growth, enhance the self concept and self reliance among students. There are many societies and clubs which organize a variety of academic, sports, artistic and recreational events. Besides this, the Cultural Committee of the College organizes a number of cultural events like the Orientation day, Freshers' welcome, SPICMACAY, and Farewell throughout the year to unleash the talent and creativity of the students. The Festival Committee organizes annual cultural festival TRYST which sees a enormous participation from various colleges of the University. The social impact and service is another feature of the holistic development at the College. The socially responsible initiatives include ecofriendly initiatives by the Environment cell- Prakriti, Community service and outreach by the Rotract club, Self-Defence classes and organizing Blood donations camps by NSS, Women empowerment initiatives by Women's Development cell. The different departments in the College also organize their academic/technical festivals which include a number of intellects stimulating, curricular, co-curricular and fun events. The Cultural Societies of the College include ADVAITAA- the dance society; ANHAD- the music Society; VAGMITA- the debating cum poetry society; MANIERA- the fine arts society; and SHADES- the dramatics society. The students through these societies have exhibited their creative talents and brought numerous laurels to the College by participating in and winning many Inter-College, Inter-University, State and National level competitions.

The SWOC analysis of the College

Strengths

- Keshav Mahavidyalaya is one of the most preferred and the best off Campus Colleges attracting students from all over Delhi and NCR. (According to the India Today – Nielsen Survey, published in India Today, 16th June 2014: Vol XXXIX No. 24. The College bagged 1st position in Arts, 2nd in Science and 5th in Commerce.)

- The College has been able to carve a name for itself on the academic front by successfully churning out university toppers and achieving excellent academic results.

- The College has the most modern infrastructure with ICT-enabled classrooms that facilitate teaching learning through most modern pedagogy and provides an ideal learning environment.

- The College has fully equipped and dedicated Computer labs for Commerce, Business Studies, Maths and Computer Science departments, Physics lab, Chemistry lab, and Electronics Lab and Psychology lab to provide practical knowledge and hands on training to the students.

- The College provides best quality education through a well-stocked library with internet facility for students to promote learning and research work.

- A Wi-Fi enabled campus allows enhanced knowledge access and information sharing among faculty and students.

- The College takes pride in being known for espousing value based education and works towards achieving its objectives in a transparent and ethical way.

- The College also has an Auditorium with 800 seating capacity best acoustics, an Amphitheatre, a Seminar Hall, Playgrounds and Basketball courts, Gymnasium for holistic development of students.

- Various co-curricular, extra- curricular and sports societies provide an environment to develop a broader perspective of development to the students and give them a platform to hone their talents and soft skills.

- The College treasures the diversity in its students and composition of staff and prospers in harmony thereby promoting the spirit of unity in diversity. It ensures that the interests of the diverse groups are taken care of and help students develop group synergies.

- The College encourages each department to organize events specific to growth of students in the respective discipline and provides a platform to the students to come up with various intra departmental activities. The faculty members of the respective departments motivate the students in their innovative endeavors and encourage them to take risks by being non-judgmental.

- The College also organizes a number of inter-department and inter-college events that bring the students of all disciplines together and help in unleashing the creative potential of the students.

- The College makes use of the available resources optimally by allocating them to all departments in accordance of their requirement. The faculty and students cooperate with each other in making all academic and non-academic endeavors of the College successful.

- The College has been alloted the Examination Evaluation Center by the University of Delhi for more than 8 years for Physics and 4 years for Computer Science.

- The College has a highly supportive administration and non-teaching staff that works tirelessly to provide the much needed support to the faculty and students.

- The College has an efficient accounts department that takes care of all routine financial matters and events' finances and settlement of bills promptly.

- The College has a spacious canteen that caters to providing hygienic food to staff and students at reasonable rates.

- The College has a girls' hostel that has a capacity to accommodate 75 girl students on twin sharing basis.

- The College has a placement cell that actively meets regularly for organizing campus placement drives for the students of its outgoing batch.

- The College infrastructure provides equally accessible education and learning environment for the differently abled. The College has barrier free paths, elevated ramps, lifts (elevator) for differently abled persons. Special toilets are also available for their convenience.

- Student Aid Fund Committee of the College helps economically marginalized students by providing them with tuition fee waiver, financial aid, scholarships, books etc.

- The College has declared its campus as a 'No Ragging', 'No smoking zone' to curb unhealthy and undesirable practices.

- A number of socially responsible initiatives taken by the College makes the students aware and sensitive towards issues of society and make them more responsible citizens.

  * The College has Women Development Cell (WDC) that organizes various Workshops/ Seminars/ Talks to sensitize students on issues such as Sexual Harassment, and make them more informed about Health, Nutrition, Diseases and Cancer Awareness and the like.

  * Internal Complaints committee (ICC) of the College works for the prevention, prohibition and redressal of sexual harassment of women at work place and promotes equal opportunity amongst gender.

  * The College promotes Environment and Eco-friendly practices like planting trees, recycling waste, taking steps to control air/water

pollution, saving paper, etc. through its Garden Committee and Prakriti - the Eco Club.

∗ The College has a Rotract Club that promotes various drives for the benefit of the society like Cloth Collection and Donation Drive, Book Collection and Donation Drive, Blood Donation drive, etc. The club members also organize visits to orphanages and old age homes to celebrate festivals and spend quality time with the elderly.

∗ The College started National Service Scheme (NSS) program that promotes community service through events like free health check-up camps, blood donation camps, self-defence classes for girls, lectures on health and nutrition, educational camps in nearby slums, anti-tobacco campaign etc.

Weaknesses

- The College has been organizing seminars, workshops etc., but not on a National/ International scale which needs to be done to give a greater exposure and provide a platform to the stakeholders to update and share their knowledge with others.

- The College must organize more FDPs to update the teachers with modern techniques and pedagogy of teaching and to provide increased interface with new computer software and advance applications of existing ones.

- The College has permanent, ad-hoc and guest faculty in nearly all the departments. In order to ensure quality and commitment, the number of permanent staff needs to be increased.

- The existing space and infrastructure is being a constraint for the College to enhance the knowledge base of the students by promoting add-on courses

- The College needs to enhance collaborations with industry for consultation, internships and placements.

- The College needs to enhance collaborations with other institutions of higher learning and facilitate student exchange programmes.

- The College does not have separate department rooms. The staff uses the common staff room in their free lectures that is not equipped with resources like computer desktops, printers etc. A department room brings department faculty together more often and facilitates discussions on matters of concern to the department without having to call upon formal meetings every time. Also, if such rooms are equipped with adequate resources, the output of the work is enhanced.

Opportunity

- There are greater opportunities for engaging in research which can enhance the intellectual capital of the College.

- The College can harness the creative potential of its students by adding more clubs and increase its community outreach by installing community initiatives like NCC etc.

- There are immense opportunities for Inter Institutional collaborations like Exchange programmes, Collaborations with industry, National level bodies like the National Knowledge Network, NSE etc. which can be utilized to benefit the student and teaching community.

- The College can elevate its green quotient by enhancing socially responsible initiatives such as innovative waste recycling, E-waste management, use of solar energy etc.

- The College practices the use of technology and continues to expand the digitalization process by further digitizing its administrative and library records.

- To align its curriculum with requirements of industry, the College can further liaison with industry so as to inculcate application base learning approaches which could benefit both students and industry.

Challenges

- The College is a preferred institution of learning, but the public transport connectivity is not very good. Metro stations are at a distance, though Metro feeder buses ply upto the College. The location access can be enhanced by providing dedicated transportation and route access to make it well connected.

- Lack of space is keeping the research initiative low. Additional facilities and infrastructure for research, PhD guidance, innovation projects etc would surely enhance research work.

- The College is not able to increase its student intake, add sections to existing courses, or introduce new courses. Additional space, if created, can be used to accommodate larger number of students and introduce newer courses.

- Although diversity is important and desirable, yet diversity management is a challenge. The College manages the diversity by being transparent in its functioning and working through committees that involve staff from different disciplines, yet sometimes a lot of precious time is wasted in arriving at consensus and meetings get prolonged.

- The faculty also faces a challenge of meeting the diverse needs of students in a class. It manages this diversity by providing individual attention to slow learners in tutorials and by providing challenging projects and practice assignments to very bright students.

- Accomplishing the goals of holistic development of students is also a challenge that the College faces. It becomes difficult to ensure that the academic excellence is not compromised in developing other desired traits in the students. The faculty generally takes extra lectures to compensate for the time lost in attending meetings or events of other departments or College.

Future plans

- Introduction of boys' hostel and staff quarters.

- Additional rooms and floors to accommodate more students and introduce new courses.

- Additional green initiatives such as waste management, segregation of biodegradable wastes, and minimization of waste generation.

- Resource Conservation:

  * Usage of Non-conventional resources to reduce carbon footprint.

  * Saving Energy resources through harnessing solar energy for power requirements.

  * Ensuring optimal utilization of water resources.

- Increasing extension activities of students and staff so that community outreach can be enhanced.

- To build stronger relationships with various stakeholders i.e. our students, parents, staff, ex-employees, alumni, community, institutions of higher learning, industry, government etc.

College Profile

1. Name and Address of the College:

Name	**Keshav Mahavidyalaya**	
Address	**H-4-5 Zone, Sainik Vihar, Pitampura,**	
City: Delhi	**Pin : 110034**	**State : Delhi**
Website	**www.keshav.du.ac.in**	

2. For communication:

Designation	Name	Telephone	Mobile	Fax	Email
Principal	**Dr. Madhu Pruthi**	**O: 011-27018805 R:**	**+919811017002**	**011-27018806**	**principal@keshav.du.ac.in madhupruthi@gmail.com**
Vice Principal	NA	O: R:			
Steering Committee Coordinator	**Dr. Anjali Thukral**	**O: R:**	**+919871975544**	**011-27018806**	**athukral@keshav.du.ac.in**

3. Status of the Institution:

Affiliated College   ☐

Constituent College   ☑

Any other (specify)   ☐

4. Type of Institution:

    a. By Gender

For Men   ☐

For Women   ☐

Co-education   ☑

    b. By Shift

Regular   ☑

Day   ☑

Evening   ☐

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5. It is a recognized minority institution?

 Yes ☐ No ☑

 If yes, specify the minority status (Religious/ linguistic/ any other) and provide documentary evidence. **NA**

6. Sources of funding:

 Government ✔

 Grant-in-aid Self-financing

 Any other

7.

 a. Date of establishment of the College (dd/mm/yyyy)

 27/08/1994

 b. University to which the College is affiliated/or which governs the College (If it is a constituent college)

 University of Delhi

 c. Details of UGC recognition

Under Section	Day, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2(f)	**22-05-2000**	-
ii. 12(B)	**22-05-2000**	-

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

 d. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE,NCTE,MCI,DCI,PCI,RCI etc.):

Under Section/ clause	Recognition/Approval details Institution/Department Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
Clause 20(1), Chapter 4 of AICTE Act, 1987	**B.Tech Computer Science**	**29-April-2015**	**for Single Batch of students admitted in 2013-14**	**One time Special Approval**
	B.Tech Electronics	**29-April-2015**		

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

 Yes ☐ **No** ☑

If yes, has the College applied for availing the autonomous status?

Yes ☐   No ☐

9. Is the college recognized:

a. by UGC as a College with Potential for Excellence(CPE)?

Yes ☐   **No** ☑

If yes, date of recognition:

b. for its performance by any other governmental agency?

Yes ☐   **No** ☑

If yes, Name of the agency:

and date of recognition (dd/mm/yyyy):

10. Location of the campus and area in sq.mts:

Location*	**Urban**
Campus area in sq.mts.	**43000 sq. mts.**
Built up area in sq.mts.	**5904.07 sq. mts.**

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities ✓
  * Auditorium
    The College has a state-of-the-art auditorium with a seating capacity of 800 persons. It is fully air conditioned built with best acoustics and high end light and sound facilities. It has two green-rooms, one for boys and the other for girls.
  * Seminar Hall
    A fully air-conditioned and well-equipped seminar hall is used to host a variety of events throughout the year. The seminar room has a seating capacity of around 100 delegates and is equipped with an LCD Projector, Interactive Board and audio conferencing public address system.

- Sports facilities

  * Play ground ✓
    The College campus has badminton, lawn tennis, basketball courts and a huge ground for playing cricket and football.

* Swimming pool

* Gymnasium✓
  The College has a mini gymnasium equipped with a treadmill, a stepper, a smith machine, 3 bench, 12 stations multi-gym and 500 kg weights.

- Hostel

  * Boys' hostel

    i. Number of hostels

    ii. Number of inmates

    iii. Facilities (mention available facilities)

  * Girls'hostel ✓

    i. Number of hostels: **1**

    ii. Number of inmates: **72 (Total capacity 75)**

    iii. Facilities (mention available facilities):
      - **Medical facility**: The Hostel has a medical room with a bed, a table and a chair. A first-aid box containing some patent medicines is maintained by the warden to help at odd hours. All cases of ailments are referred in Bhagwan Mahavir Hospital which is in close proximity of the Hostel.
      - **Sports facility**: Hostel girls being regular college students, have access to all college sports facilities including gymnasium and other indoor-outdoor sports activities. Besides these, residents are provided with accessories for playing badmintons, basketball, carom and table tennis.
      - **Mess facility:** Three times meal and an evening snacks and tea are served on monthly payment.
      - **Green lawn**: A huge lavish green lawn surrounding the hostel building.
      - **Other facilities**: Three **microwave ovens** and **refrigerators, one** available on each floor for residents. **An iron with an iron table** is also kept in a room for use by the residents, anytime.
      - **Drinking Water**: Water Coolers with attached water purifiers on first and third floors of the Hostel, and an RO attached to water cooler in the Mess are installed.
      - **Power Backup**: Generator power backup has recently been facilitated to the Hostel building.

  * Working women's hostel

    i. Number of inmates

    ii. Facilities(mention available facilities)

- Residential facilities for teaching and non-teaching staff(give numbers available—cadre wise)

- **Cafeteria ✓**
  A spacious canteen has been made available for the students where a variety of quality food and beverages are made available at reasonable rates. The teaching and non-teaching staff also shares the canteen with the students.

- **Health center**: ✔
  The College has a medical room equipped with the basic facilities. Any person in need of emergency is taken to Bhagwan Mahaveer Hospital, which is in the close proximity of the college.

(Facilities) First aid, Inpatient, Outpatient, Emergency care facility, Ambulance

Health center staff - **NA**

- ∗ Qualified doctor: Full time   ☐   Part-time   ☐

- ∗ Qualified nurse: Full time   ☐   Part-time   ☐

- Facilities like banking, post office, book shops: ✔
  ATM facility inside the college is available for its students and staff.

- Transport facilities to cater to the needs of students and staff

- Animal house

- Biological waste disposal: ✔
  A compost pit is dug in the College where biological wastes are collected and dumped to produce manure.

- Generator or other facility for management/regulation of electricity and voltage: ✔
  Generator backup facility is available to the College building.

- **Solid waste management facility**: ✔

- **Waste water management**: ✔
  Water through drain pipes flows into the garden area within the College building.

- Water harvesting: Not required in the campus as the level of ground water is adequate, according to the PWD.

12. Details of programmes offered by the college (Give data for current academic year)
    [**Data of 2014-15 academic session**]

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1.	Under-Graduate	BBS	3 yrs.	XII	English	46	45
		B.Com. (H)	3 yrs.	XII	English	154	191
		B.Sc. (H) Mathematics	3 yrs.	XII	English	46	66
		B.Sc. (H) Computer Science	3 yrs.	XII	English	92	81
		B.Sc. (H) Electronics	3 yrs.	XII	English	31	26

		B.Sc. (G) Mathematical Science	3 yrs.	XII	English	46	86
		B.Sc. (H) Physics	3 yrs.	XII	English	31	31
		B.A. (H) Psychology	3 yrs.	XII	English	31	42
		B.Sc. Physical Science	3 yrs.	XII	English	46	51
2.	Post-Graduate	-	-	-	-	-	-
3.	Integrated Programme PG	-	-	-	-	-	-
4.	Ph.D.	-	-	-	-	-	-
	M.Phil.	-	-	-	-	-	-
	Ph.D	-	-	-	-	-	-
	Certificate courses	French	1 yr.	XII	French	50	51
		German	1 yr.	XII	German	50	52
	UG Diploma	-	-	-	-	-	-
	PG Diploma	-	-	-	-	-	-
	Any Other (specify and provide details)	-	-	-	-	-	-

13. Does the college offer self-financed Programmes?

    Yes   ☑   No   ☐

    If yes, how many?   **2**

14. New programmes introduced in the college during the last five years if any?

    Yes   ☑   **No**   ☐   Number:

B. Tech. Computer Science, B.Tech Electronics, B.Tech in Psychological Sciences and Bachelor of Management Studies were introduced in 2013-14 under FYUP by the University of Delhi. However, these courses were discontinued in the next academic session. All courses running in the year 2012-13 which were discontinued due to the introduction of FYUP were reintroduced after the rollback of FYUP.

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Mathematical Sciences	Computer Sc.	B.Sc. (H) Computer Science	-	-
	Mathematics	B.Sc. (H) Mathematics, B.Sc. (G) Mathematical Science	-	-
	Course Coordinator	B.Sc. Physical Science	-	-
Interdisciplinary & Applied Sciences	Electronics	B.Sc. (H) Electronics	-	-
Science	Physics	B.Sc. (H) Physics	-	-
Arts	Psychology	B.A.(H) Psychology	-	-
Commerce	Commerce	B.Com. (H)	-	-
Management Studies	Business Studies	Bachelor of Business Studies (BBS)	-	-

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com…)

    a. annual system   -

    b. semester system   **9**

    c. trimester system   -

17. Number of Programmes with: **NA**

    a. Choice Based Credit System

    b. Inter/Multidisciplinary Approach

    c. Any other (specify and provide details)

18. Does the college offer UG and/or PG programmes in Teacher Education?

    Yes   ☐   **No** ☑

    If yes,

    a. Year of Introduction of the programme(s) (dd/mm/yyyy):

and number of batches that completed the programme

b. NCTE recognition details (if applicable)

Notification No.:

Date (dd/mm/yyyy)

Validity

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately

Yes ☐   No ☐

19. Does the college offer UG and/or PG programmes in Physical Education?

Yes ☐   **No** ☑

If yes,

a. Year of Introduction of the programme(s) (dd/mm/yyyy):

and number of batches that completed the programme:

b. NCTE recognition details (if applicable)

Notification No.:

Date (dd/mm/yyyy)

Validity

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately

Yes ☐   No ☐

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University / State Government Recruited	-	-	05	16	12	15	36	6	13	02
Yet to recruit	#52						##25		Nil	
Sanctioned by the Management/society or	-	-	-	-	-	-	-	-	-	-

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other authorized bodies Recruited										
Yet to recruit	-	-	-	-	-	-	-	-	-	-

*M-Male *F-Female
#Ad-hoc/ Guest arrangements
 ##Contractual arrangements

21. Qualifications of the teaching staff

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	*M	*F	*M	*F	*M	*F	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	-	-	4	15	5	9	33
M.Phil.	-	-	-	1	3	3	7
PG	-	-	-	-	2	4	6
Temporary teachers							
Ph.D.	-	-	-	-	1	9	10
M.Phil.	-	-	-	-	3	4	7
PG	-	-	-	-	14	24	38
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

*M-Male *F-Female

22. Number of Visiting Faculty /Guest Faculty engaged with the College during the even semester of academic year 2014-15.

11

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2011-12		2012-13		2013-14		2014-15	
	*M	*F	*M	*F	*M	*F	*M	*F
SC	81	23	72	23	63	28	84	28

ST	7	2	10	3	24	6	28	14
OBC	77	35	127	39	115	37	130	43
General	187	128	175	167	135	107	141	123
Others	8	4	16	5	27	7	19	9

*M-Male *F-Female

24. Details on students enrollment in the college during the current academic year: **(2014-15)**

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located (Delhi + NCR)	465	-	-	-	465
Students from other states of India	154	-	-	-	154
NRI students	-	-	-	-	-
Foreign students	5	-	-	-	5
Total	**624**	-	-	-	**624**

25. Dropout rate in UG and PG (**average of the last two batches: 2010-2013, 2011-2014**)

UG   **17.14%**   PG   **NA**

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

a. including the salary component   ₹ **70,530.00**

b. excluding the salary component   ₹ **6,709.26**

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes ☐   **No** ☑

If yes,

a. is it a registered centre for offering distance education programmes of another University

Yes ☐   No ☐

b. Name of the University which has granted such registration.

c. Number of programmes offered

d. Programmes carry the recognition of the Distance Education Council.

Yes ☐   No ☐

28. Provide Teacher-student ratio for each of the programme/course offered

Courses	Student-Teacher ratio
BBS	23:1
B.Com (H)	22:1
B.Sc. (H) Mathematics	27:1
B.Sc. (H) Computer Science	14:1
B.Sc. (H) Electronics	10:1
B.Sc. (G) Mathematical Science	44:1
B.Sc. (H) Physics	13:1
BA (H) Psychology	10:1
B.Sc. Physical Science	17:1

29. Is the college applying for

Accreditation :   **Cycle 1** ☑   Cycle 2 ☐   Cycle 3 ☐   Cycle4 ☐

Re-Assessment: ☐
(Cycle 1refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1:   (dd/mm/yyyy) Accreditation Outcome/Result

31. Number of working days during the last academic year: **(2013-2014)**   299

32. Number of teaching days during the last academic year: **(2013-2014)**   201

(Teaching days means days on which lectures were engaged excluding the examination days)

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

    IQAC (dd/mm/yyyy): **18/12/2014**

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC: **NA**

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information):

- Other than the above mentioned staff, the College also outsources the Security and Housekeeping.
- According to the India Today – Nielsen Survey, published in India Today, 16th June 2014: Vol XXXIX No. 24. The College bagged 1st position in Arts, 2nd in Science and 5th in Commerce

Criteria wise Input

CRITERION I: Curricular Aspects

1.1   Curriculum Planning and Implementation

1.1.1   Vision, Mission and Objective of the College

Vision

To be a premier institute that nurtures creativity amongst students and instills moral values along with quality education to enable them to take on real life challenges with confidence.

Mission

- To inculcate positivity in attitude and thoughts.

- To nurture creativity and problem solving skills.

- To sensitize students toward gender issues and respect for all human beings.

- To give impetus to women empowerment.

- To bring about awareness related to ecological enrichment and environmental factors.

- To encourage students to have vision and courage to initiate and manage the change.

- To help in recognizing the challenges of a competitive world and learn to adapt.

- To create a clean and conducive atmosphere for the promotion of education.

Objectives

- To develop students intellectually as well as holistically.

- To cater to the needs of the industry by equipping students with the required skills.

- To enhance the quality of teaching-learning process through the use of ICT and continuous assessment of the students.

- To educate/ train students to become responsible citizen and develop patriotic sense among them.

- To promote research culture among faculty members and students.

- To empower students to sustain in global competition.

- To produce dynamic and well balanced graduates with high employability.

- To prepare students for further higher studies in the Colleges and Institutes of repute.

- To develop good community relationship amongst students.

- To ensure the effective and efficient management of the College.

Dissemination of goals to various stakeholders

The Vision and Mission statements are communicated to various stakeholders through the following methods:

- Principal's address by the students and their parents during the Orientation Programme at the opening day of the beginning of the semester attended.

- College Website,

- Prospectus,

- Annual Report,

- Display on Notice boards,

- Meetings with corporate representatives through Placement Cell.

1.1.2 Development and deployment of action plans for effective implementation of the curriculum

Keshav Mahavidyalaya is a constituent college of University of Delhi. It follows the syllabus prescribed by the University of Delhi. It follows the University guidelines regarding the number of lectures and tutorials allocated to different courses. It employs a number of action plans for effective implementation of the curriculum.

- For effective implementation of curriculum, the College provides the infrastructure, software, equipment and library facilities along with funds for industrial or any other institutional visit to the faculty and students.

- The College prepares a detailed prospectus which contains information regarding courses and their curriculum, fee structure, achievements etc. The academic calendar for each semester is also made available for the students.

- Academic calendar framed by the university is followed by the College. Faculty regularly takes tutorial and practical to ensure that students are working on their assignments.

- The faculty members ensure that the time tables are prepared well in advance and teaching workload is equally distributed amongst various courses and faculty members as per norms of University of Delhi.

- The Papers are allocated amongst teachers depending on their area of specialization and experience.

- As per the recommendation of the workload committee, balanced teacher to student ratio is assigned for academic and professional discipline.

- The first day of every academic semester is observed as Orientation day for the freshly enrolled students and their parents through whom they are suitably communicated about the curriculum and its effective implementation also.

- The College library is connected to the University library through intra net facility via optical fiber cables; therefore the teachers and the students have access to all the online journals subscribed by the university. This helps in quality teaching and learning and ultimately results in the effective implementation of the curriculum

- Assignments, presentation and group discussion are carried out to assess students throughout the semesters.

- The interaction with the industry is made through the College level placement cell which communicates them about our rich curriculum also and their informal feedback is obtained which is used while delievering the curriculum.

- One of the initiatives of the college IQAC from the forthcoming academic year for better implementation of curriculum is to make lecture plans of all subjects available to the students at the beginning of the semester.

1.1.3 and 1.1.4 Facilities provided to teachers and the initiatives taken by the College for effective implementation of curriculum

The College provides infrastructural facilities, administrative and financial support for the academic excellence.

- Faculty participates in Seminars, Conferences, Workshops conducted at national and international level organized by various universities, institutions and colleges etc. from time to time.

- The Guidelines are prepared by the Parent Departments of University of Delhi from time to time for effective teaching of the curriculum. The above guidelines are provided to the teachers as and when received from the university.

- The College provides online database of research journal and books for faculty to constantly update their knowledge and work on curriculum.

- The College strictly follows University Academic Calendar.

- College provides infrastructure facilities like computer labs, projectors, library, and online database for effective implementation of curriculum.

- College carries out seminars and workshops for effective learning of curriculum.

1.1.5 Interaction with industry, research bodies, the affiliating university and other educational institutions for effective operationalization of the curriculum

College interacts with industries, educational institutions and experts in various fields from time to time for getting their informal feedback on the curriculum and the same is incorporated in the teaching (where ever feasible) and the same is also shared with the parent department as and when our faculty members participate in the syllabus framing/ modification/ revision process.

- The College organizes talks and seminars where experts from industry are invited to share their corporate experiences. Handouts are distributed to the students to supplement their learning.

- Industrial visits are another form of industry-interface where students are taken to companies to get a firsthand knowledge. Departmental seminars are conducted in which teachers give exposure to students in advanced knowledge and skills.

- Many teachers of the College have industry experience/ industry association therefore on an informal level they keep the students up to date and guide them.

- The UGC Academic Staff Colleges organizes Refresher courses and Orientation Programs regularly. The same are attended by our faculty members from time to time and the knowledge acquired from the above are shared by them with students while implementing their respective curriculum.

- One of our faculty members Dr Harpreet Bhatia, Assistant professor (Psychology) is co-editor of the half yearly Journal named 'Positive Psychology' since 2012. She was also a co-chairperson of the Conference titled 'Positive Psychology: Ripple effect' organized by the Association of Positive Psychology from 27th Feb 2015 to 1st March 2015.

- In a step towards inculcating sensitization towards the issues related to gender, The Women's Development Cell plays a very important role. It aims to empower our young students with discourses' on equality. It regularly interacts with the students to make them aware about the gender issues. It has also organized a workshop on Sexual Harassment– Ramification and Remedies with panelists like Ms. Jyotika Kalra, Advocate-on-record, Supreme Court of India, Mr. Rajesh Gogna, Advocate, Supreme Court of India, Prof. Ambrish Saxena, Director of Vivekananda Institute of Professional Studies.

- As a result of these interactions, the College has been able to deliver the curriculum with sharper focus reflecting the needs of the time.

1.1.6 Contribution of staff members in development of the curriculum

The College is a constituent college of the University of Delhi and follows the curriculum designed and structured by the University. The curriculum of all courses is revised on regular basis to keep them in tune with changing needs of the society. The concerned aprent department in the University involves teachers of its various constituent colleges in the committees formed for the above purpose from time to time. The faculty members of the College have been playing important role in the above task of designing and revising the syllabi.

The details of the recent participation of the College faculty members in curriculum designing and restructuring is as follows.

Table 1-1: Faculty participation in Curriculum designing and restructuring

S.N.	Faculty Name	Course	Paper	Academic Year
Business Studies				
1.	Mr. Subodh Pandit	BMS (Bachelor of Management Studies)	Operations Management	2013-14
			Managerial Economics	2013-14
2.	Dr. Amanjot Sachdeva	BMS (Bachelor of Management Studies)	Organizational Behavior	2013-14
			Human Resource Management	2013-14
			Management of Industrial Relations	2013-14
			International Human Resource Management	2013-14
3.	Ms. Sonu Mehta	BBS (Bachelor of Business Studies)	Business Statistics	2010-11
			Quantitative Techniques	2010-11
Chemistry				
4.	Dr Mukesh	B.Sc.(H) Chemistry	Organic Chemistry	2013-14
Computer Science				
5.	Dr. Anjali Thukral	B.Tech. Computer Science	Software Engineering	2013-14
			Computer System Architecture	2013-14
			Web Technology	2013-14
6.	Dr. Bhavna Gupta	B.Tech. Computer Science	Operating System	2013-14
			Artificial Intelligence	2013-14
7.	Dr. Priti Sehgal	B.Sc.(H) Computer Science	System Programming	2013-14
			Computer Graphics	2013-14
8.	Dr. Richa Sharma	B.Sc.(H) Computer Science	Computer System Architecture	2009-10
			Computer System Architecture	2011-12
		B.Tech. Computer Science	Computer System Architecture	2013-14
			Database Systems	2013-14
			Web Technology	2013-14
9.	Mr. Ravi Kumar Yadav	B.Tech. Computer Science	Theory of Computation	2013-14
			Microprocessor	2013-14
Electronics				
10.	Dr Jagneet Kaur Anand	B.Sc.(H) Electronics	Modern Optics and Optoelectronics	2010-11
			Analog Communications	2010-11
11.	Dr Jyoti Anand	B.Tech Electronics	Course Syllabus	2012-13
English				
12.	Ms. Manjari Singh	B.Com(H)	Business Communication	-
		B.Sc.(H) Computer	Technical Communication	-

		Science	Language, Form and Content	-
Mathematics				
13.	Dr. Rajni Mendiratta	B.Sc. (H) Mathematics	Analysis- V	2011-2012
14.	Mr. Ashish Bansal	B.Sc.(H) Mathematics	Algebra I (DC-I Paper)	2013-2014
			Algebra II (DC-I Paper)	2013-2014
			Algebra III (DC I Paper)	2013-2014
			Algebra IV (DC I Paper)	2013-2014
			Algebra V (DC I Paper)	2013-2014
15.	Dr. Arpana Sharma	B.Sc.(H) Mathematics	Differential Equations and Mathematical Modeling I (DC-I)	2013-2014
Physics				
16.	Dr. Divya Haridas	B.Sc.(H) Physics	FYUP (DC-I): Electronics	2013-2014
			FYUP (DC-II): Solid State Physics	2013-2014
17.	Dr. Anupama	B.Sc.(H) Physics	FYUP (DC-I): Electricity and Magnetism	2013-2014
			Physics labs related to paper 'Electricity and Magnetism'	
			Electromagnetic Theory	
			FYUP (DC-II): Electricity and Magnetism	2013-2014
			Physics labs related to paper 'Electricity and Magnetism'	

1.1.8 Steps taken to ensure that stated objective of curriculum are achieved effectively

The College has been taking various steps for the effective implementation of the curriculum:

- The College gathers informal feedback on the curriculum from the teachers. It also gathers student feedback on curriculum and teaching practice informally from time to time.

- All the departments of the College conduct internal assessment, presentation, projects, case studies etc. and moderation is made at departmental and central level.

- The College strictly follows the academic calendar and keeps a close watch over the timely teaching of the curriculum. The TICs (Teacher In-Charges) of the respective departments also informally interact with the faculty members for the above purpose.

- The contemporary issues related to the curriculum are also taken in to consideration by the faculty members while teaching the curriculum to make students aware about the latest development in the respective subjects.

1.2   Academic flexibility

1.2.1   Details of the certificate and skill development courses

Certificate Course in French and German: The College offers certificate courses of one year duration in German and French languages. The student intake in the each of the certificate courses is 50.

The above certificate courses aim to empower the students with additional skills and tools for interacting in the modern global surroundings. These certifications accelerate productive opportunities for students professionally. They can opt for wide career options ranging from prospective interpreters, translators, tourism industry and also as trainers.

DU-MOOC: On January 30, 2015, Prof Dinesh Singh, Vice-chancellor, University of Delhi launched a Mass Open Online Course (MOOC) on "India in 21st Century". The above course was delivered by Prof. Dinesh Singh, Vice-chancellor, University of Delhi. The College was one of the four colleges where the interactive lectures were attended by the students through video conferencing. The first lecture was conducted on 30th January, 2015.

Skill Development Courses:

- University of Delhi and National Skill Development Corporation (NSDC) has signed an MOU to offer Skill Based Training to the students of DU. Starting this academic year (2015) all 2nd year and 3rd year students of Delhi University pursuing Graduation in any discipline will have an opportunity to register in a skill-based training program. These programs are based on National Occupational Standards (NOS) developed by the industry to bridge industry – academia gap for employability. This will help students become job-ready by the time they graduate. NSDC training partners and Sector Skill Councils will also facilitate appropriate placements opportunities for students desiring the same. NSDC, Banking Financial Services and Insurance (BFSI) launched following courses during June-2014:

- **Equity Share and Dealer Training Course**: 100 students were enrolled for the above certificate course. 97 students were also awarded with a cash prize of ₹ 4,000 each.

- **Automotive Course**: Students enrolled themselves for this certificate course.

1.2.2   Provision for twinning/dual degree

Keshav Mahavidyalaya is a constituent college of University of Delhi and at present there is no such provision of twinning/dual degree.

1.2.3   Academic flexibility and interdisciplinary in course structure

Keshav Mahavidyalaya being a constituent college follows the syllabus prescribed by the University of Delhi. The DU syllabus provides a wide range of optional papers across various disciplines and gives students a choice to opt

subjects keeping in view their career options. The College has thoughtfully given its students complete benefit of this built-in curricular flexibility. The College has various departments and these departments give students the flexibility to choose their optional papers after thorough discussion and due consideration to preferences of students.

The summary of the optional papers offered by the various departments of the College to the students is given below.

Table 1-2: Academic flexibility and interdisciplinary in course structure

S.No.	Course	Choice in Papers
1.	**Mathematics**	Interdisciplinary courses such as Computer Science, Financial Management Psychology, Economics, English Literature
2.	**BBS**	Specialization such as Finance, Marketing, Human Resource
3.	**Computer Science**	Students of B. Sc. (H) Computer Science (VI Semester) can opt one of the six options offered by the University. The department asks the students to prioritize the options according to their choices. The decision regarding which paper to float is made as per the choice of the majority of students. The College runs two sections of B. Sc. (H) Computer Science and hence offers at most two papers, one per section.
4.	**Commerce**	The syllabus drafted by the University department provides elective options for the students of B.Com (Honors) final year.
5.	**Psychology**	Political science, Ethics and Sociology papers are taught along with main subjects

- The Choice Based Credit System (CBCS) is under consideration at the University level.

- The College provides certificates courses in foreign language (French and German). The above certificate courses enrich our curriculum and also help in making students more employable.

1.2.4 Self-financed courses

The College is presently offering certificate courses in French and German as self-financed courses.

The fee structure of the language courses is as follows:

- For student enrolled in Keshav Mahavidyalaya : ₹ 1,760/-

- For student from other Colleges : ₹ 4,955/-

Eligibility for the above language courses is 12th standard with minimum of 50%. A formal admission notice is issued and the admissions are made on First come first basis.

1.2.5 Additional skill oriented programmers relevant to local, regional and global needs

The College provides foreign language classes (French and German) in the form of certificate course and also Interactive sessions by experts from Industry from time to time, in order to enhance employability of the students in regional and global markets

National Service Scheme (NSS)

The College has National Service Scheme (NSS) program with primary focus on the development of personality of students through community service. It organizes various events for the students of the College like self-defence classes for girls, lecture on health and nutrition, etc. The NSS team also participates in various events held outside the College throughout the year such as Blood Donation Camps, self-defence classes for girls, Educational Camps in nearby slum area, Anti-Tobacco Campaign and other social awareness activities.

National Skill Development Corporation (NSDC)

- NSDC is a government initiative that has started Star Program (signed by DU) last year.

- It has following Assistant Companies:

    * BFSI (Banking Financial Services & Insurance): BFSI provided banking & financial services to the above courses.

    * SCC (Skill Council Corporation): SCC provided training to the students who have enrolled themselves in equity share and dealing course.

    * ILFS (Infrastructure Leasing & Financial Services): ILFS hired Centum (Automotive Company) to provide training to the enrolled students.

- It has launched following courses during June-2014:

    * Equity Share and Dealer Training Course: 100 students were enrolled for the above certificate course. 97 students were also awarded with a cash prize of ₹ 4,000 each. This course helps students to play the role of Equity dealer who buys and sells investment and financial instruments on behalf of their clients. The equity dealers also provide market insights and investment advice to potential and existing clients as per the organizational standards and procedures.

Automotive Course

- Students enrolled themselves for the above certificate course.

- This course helps students to play the role of Customer Relationship Executive (CRE), Stores Operations Manager and Sales Representative.

- The Customer Relationship Executive (CRE) is responsible for assisting and supporting sales function through telemarketing, activities such as generating sales prospects or leads through telemarketing, customer experience at the dealership showroom and supporting in their follow ups. The CRE is also responsible for supporting the service function through follow-up calls for after sales service.

- The Stores Operations Manager needs to manage all aspects of material viz. safe receipt, storage-stock, retrieval and issue/ dispatch for the manufacturing processes adhering to the laid down SOP and schedule requirements.

- The Sales Representative is responsible for sales, growth and account penetration either in the retail market, to OEM dealers/ distributors or directly to the key customers/ accounts. The person is also responsible for developing new markets for the auto component products and securing new business accounts/customers.

1.2.6 Provision for combining the conventional and distance mode education

As a constituent College of the University of Delhi, the College follows the University's prescribed curriculum. At present there is no provision for combining conventional face to face and distance mode of education.

1.3 Curriculum Enrichment

1.3.1 Institutional support for academic and curricular enrichment

- The College supplements University Curriculum by adopting the following among others.

  * Delivery of lectures using Projectors.

  * Assignments to students by faculty members.

  * Internal Tests, Presentations for evaluating students and effectiveness of the teaching.

  * In addition to common teaching methodologies, Case Studies, Role Plays, Management Games etc. are also adopted by faculty members for effective teaching depending on the subject's requirements.

- To make sure that the institutional goals and academic programmes of the College are unified, the teachers are encouraged to attend the regularly conducted staff orientation programmes by the University.

- The various committees of the College are put in place well before the start of the academic session. The committees ensure that each and every functional activity of the College is carried on under the expert guidance of the faculty members.

- The student societies of the various departments provide platform to the students to develop organizing and leadership skills. These societies also

enable students to express their views on current Socio-economic issues through events e.g. debates, quiz, poster competitions, extempore and group discussions etc. The prime aim of these societies is to keep the students at par with the new and fast changing world of information technology.

- The College has a thorough value based programmes which monitors and runs various activities such as talks, presentation, campaigns, freedom of expression etc. through various societies and clubs such as the Shades, Vagmita Society, the Environment club "PRAKRTI" NSS, among others.

- The NSS program primarly focuses on the development of personality of students through various community services. It organizes various events like self-defence classes for girls, cleanlinliness at the campus, lecture on health and nutrition etc.

- The Equal Opportunity Cell of the College is inclined towards the needs of differently- abled students and staff. Sincere efforts have been made for the betterment and improvement in the overall infrastructure, learning and teaching methods that could benefit the differently-abled persons irrespective of visual, hearing, orthopedic or any other form of impairments.

1.3.2 Curriculum enrichment through skill development and enhancement of employability

- The College involves and encourages students to develop and work on Research Projects/ Live Projects. The College also organizes interactive sessions, workshops by experienced industry experts and visiting or guest Faculty in the relevant specialized areas. The sessions increase the skills and employability of students.

- The College is regularly providing opportunities to students to improve their distinctive skills and qualities, to make them capable, liberated and reliable leaders and representative of society.

- The industrial visits have been arranged for the students from time to time so that the candidates stay abreast of present technological developments and the innovations which are into practice in the modern industrial needs.

- The Field trips are eminent for budding researchers and students so that they can understand the importance of sustainable development and plan their career accordingly in the development of our society and environment.

- The College arranged the visit of students to Water treatment plant (Delhi Jal Board) at Haiderpur in North West Delhi and also to Yamuna Biodiversity Park (Delhi Development Authority) in Nov. 2014. The students of B.Com (H) were also taken to the ware house of Tupperware in the same year.

- The Students of B.Com (H) VI Semester had an Industrial Visit to Yakult Danone India Pvt Limited, Sonepat (Haryana) on 10th April 2015.

- The College encourages students to participate in various extra- curricular activities and sports competitions at National and International levels. The faculty members give them extra academic inputs beyond their official classes and also during preparatory leaves as and when required.

- The Department of Business Studies of the College often invites Alumni to share their success-mantras in order to prepare the students for the various entrance and competitive examinations.

- The curriculum of most of the courses contains papers on computers to make the students computer literate at the end of the course. The teachers actively encourage the students to get a hand on experience on the computers by giving them assignments and presentations to be made on computers etc.and helping the students who do not have such skills. The students are encouraged to plot the graphs and do their calculations on computer using software available in their respective labs.

1.3.3 Integrating cross-cutting issues like Gender, Climate Change, Environmental Education, Human Rights, and ICT etc. into the curriculum

- The paper of Environmental Study is compulsory for the students of all the courses to be taught in first year. The College has also been organizing field visits to make students aware about environmental concerns. Recently the students were taken to Yamuna Biodiversity Park in Nov. 2014.

- The College provides IT facilities like internet facilities, e-enabled class rooms, e-journals for the teachers and the students. The College library is connected to the University Library through the intranet; therefore the College has access to all the e-journals subscribed by the University of Delhi.

- The issues related to genders are taken care by the College as majority of the faculty members are females.

- The College has constituted an Internal Complaint Committee (ICC) to deal with the complaints related to sexual harassment. The College has a healthy environment and therefore no such complaint has been received during last 4 years.

- The College has also constituted a Women Development Cell (WDC) to deal with the issues of gender equality and related matters. It has also organized number of seminars on such themes.

- In addition to above, the College's Dramatics Society "SHADES" organizes street plays on various burning social issues such as gender, climate change, environmental education, human rights, etc. It participates in Street Play Competitions organized by Universities/ Colleges / Institutions from time to time.

- The students of Commerce department organized a 'Diya-making' workshop for the women of JJ colony wherein funds were pooled in for

teaching the art of diya-making and the products were later on sold. The revenue obtained from the sales was distributed among the ladies.

1.3.4 Value-added courses or enrichment programmes ensuring holistic development of students

- The various societies of the College play a vital role in the overall development of the students and to imbibe in them moral and ethical values.

- The street plays being regularly organized by the Dramatics Society of the College on various burning social issues help in the holistic development of our students.

- The College regularly organizes the program of Spic Macay which is a voluntary movement that organises events (over 5000 annually) of classical music and dance, folk arts, crafts etc. in educational institutions throughout the world. This helps College to develop holistic approach among students.

- The College runs two certificate courses of 6 months duration in German and French languages. The above certificate courses aim to empower the students with additional skills and tools for interacting in the modern global surroundings. These certifications accelerate productive opportunities for students professionally. The above certificate courses increase their employability significantly in view of the globalization of our economy.

- University of Delhi has signed an MOU with National Skill Development Corporation (NSDC) to offer Skill Based Training to the students of the DU. As per the above MOU, all 2nd year and 3rd year students of DU pursuing Graduation in any discipline will get an opportunity to register in a skilled based training program from the academic year 2015.

- The College-Industry interface is ensured through our College level placement cell. The experts from the industry visit our College regularly to share their rich industry experiences.

1.3.5 Extent of use of feedback from stakeholders in curriculum enrichment

- The College is a constituent college of the University of Delhi therefore the curriculum is being designed by the University of Delhi which takes necessary feedback from the various stakeholders in enriching the curriculum.

- Currently, there is no formal mechanism at college level, to obtain formal feedback from the stakeholders in enriching the curriculum since the same is being drafted by the University. However, informal feedback is obtained from various stakeholders from time to time.

- The College interacts with industries and experts of various fields from time to time for getting their informal feedback on the curriculum and the same is incorporated in the teaching (where ever feasible) and the same is

also shared with the University department as and when our faculty members participate in the syllabus framing/ modification/ revision process.

- IQAC of the College is in the process of designing a mechanism for formal feedback which is expected to start by the end of next session.

1.3.6 Monitoring and evaluation of quality of the institutional enrichment programmes

- The College regularly convenes the Staff Council meetings and departmental meetings for the effective monitoring and evaluation of the academic activities of the College. This helps in academic enrichment.

- The informal feedback on curriculum and various other academic aspects are obtained from the students and necessary remedial actions are taken accordingly.

- The College obtains formal/ informal suggestions from the faculty members, non-teaching staff and also from the students on regular basis to ensure betterment in the overall functioning of the College.

1.4 Feedback System

1.4.1 Institutional contribution towards the design and development of University curriculum

- The faculty members of the College have been actively involved in the design, development and restructuring of the curriculum by the University of Delhi. The details of the same has been provided in section 1.1.6, Table 1-1.

- The College interacts with industries and experts from various fields from time to time for getting their informal feedback on the curriculum and the same is incorporated in the teaching (where ever feasible) and is also communicated to the respective parent department in the University, as and when our faculty members participate in the syllabus framing/ modification.

1.4.2 Feedback mechanism

- The placement cell of the College interacts with the Industry and also obtains informal feedback from them on regular basis and communicates the same to the faculty members for necessary implementation.

- Our various faculty members have rich industry experience and are regularly in touch with the Industry. They too obtain regular informal feedback from the Industry and incorporate the same in teaching as well as in the curriculum development process.

- Regular feedback is obtained from the faculty members through Staff council meetings and the departmental meetings.

- The informal feedback on curriculum and various other academic aspects are obtained from the students and necessary remedial actions are taken accordingly.

- A suggestion box is placed in the College for obtaining formal feedback from faculty members, staff members and the students.

1.4.3 Introduction of new programmes/courses

- The University of Delhi has already introduced the semester system from the Academic year 2010-11 therefore the curriculum of all the courses have been revised and are updated as per the industry requirement.

- The College has introduced the following new courses from the Academic year 2013-14 in view of the changed industrial scenario, as per the University of Delhi directions:

  * B.Tech (Computer Science)

  * B.Tech (Electronics)

  * Bachelor of Management Studies (BMS)

CRITERION II: Teaching - Learning and Evaluation

2.1   Student Enrolment and Profile

2.1.1   Publicity and transparency in the admission process

- The college is proud to share its social responsibility towards differently abled students. It does its bit by admitting these students as per the rules of University of Delhi. The admission schedule of University of Delhi appears in all leading newspapers.

- The same is also uploaded on the College website. Individual queries of students regarding admission are answered through e-mail also.

- The College also conducts open sessions to address general queries of the prospective students related to university, colleges, courses offered and their future prospects, admission etc.

- The cut-off percentage with additional criteria, if any, for various courses is also notified on the College website.

- All students satisfying the notified admission norms/cut-off are granted admission.

- Information regarding admission to students on the basis of Extra Curricular Activities (ECA) and Sports is notified on the College website and notice boards. A team of experts nominated by the university visits the College and trials are conducted by the College committee under the supervision of the members of the University team. The selections trials are video graphed too.

- Grievance Committee especially for admissions related queries sorts out the grievances of students related to admission process.

- RTI is another measure to ensure 100% transparency during admissions.

2.1.2   Admission process and criteria details

- The candidates seeking admission in constituent colleges of the University of Delhi fill a common admission form (available offline and/ or online at select centers as notified by DU) indicating the names of courses and colleges of their interest along with their qualifying examination details. This data is compiled by the University and is sent to all colleges.

- Based on the provided data, each college decides cut-off percentages for admission as per criteria set by various departments of the College in addition to DU's eligibility guidelines and criteria.

- Admission to BBS is made through an All India Entrance Examination followed by group discussion and interview.

2.1.3 **Maximum and minimum percentage of marks for admission during last four years, and comparison with other colleges with respect to all programmes and students' categories for last year**

Minimum cut-off percentage of marks for admission in all categories during last four years

Table 2-1: Minimum Cut-off Marks from 2011-12 to 2014-15

Course	2011-12		2012-13		2013-14#					2014-15				
	GEN	OBC	GEN	OBC	GEN	OBC	SC	ST	PWD	GEN	OBC	SC	ST	PWD
B.A. (H) Psych.	80	64	86	65	88	75	68	62	89	93.75	80.5	75	70	70
B.Com. (H)	93	77	93.75	70	94	77	70	50	45	95	82	75	46	46
B.Sc.(H) Comp. Sc.	91	78	93	75	93.25	87	82	65	65	94	88	83	60	56.6
B.Sc.(H) Elect.	82	72	85	75	93.67	88	80	68	58	89	85	75	55	70
B.Sc.(H) Maths	85	75	85	80	91	82	67	45	45	93	88	70	60	45
B.Sc.(H) Phy.	83	76	84	78	91	82.75	77	57	54	92.6	90	78	70	64
B.Sc.(G) Math. Sc.	75	60	77.5	64	*	*	*	*	*	82	75	62	55	58
B.Sc. Ph. Sc.	74	64	70	60	*	*	*	*	*	84.3	79	68	55	55
* No admission to these courses in any category under FYUP for the year 2013-14.														
# Admissions in the year 2013-14 are under FYUP														
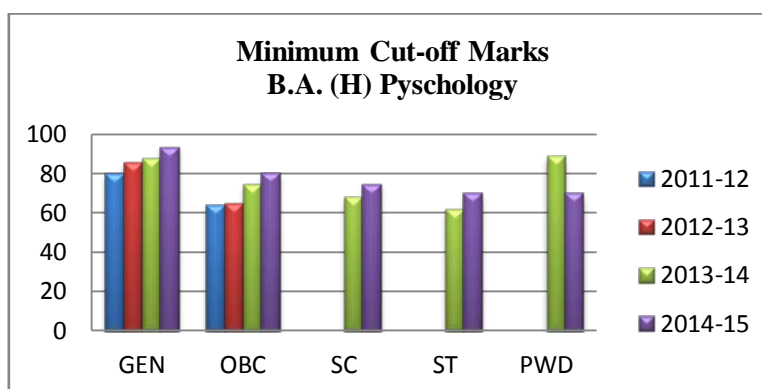
Figure 2-1: Minimum Cut-off Marks (2011-12 to 2014-15)-B.A. (H) Psychology
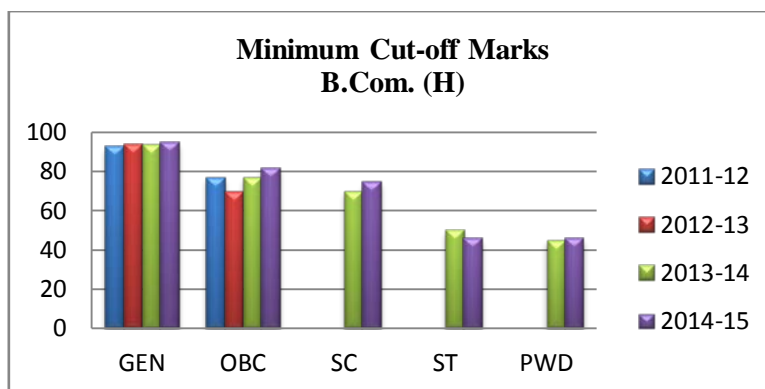
Figure 2-2: Minimum Cut-off Marks (2011-12 to 2014-15)-B.Com. (H)
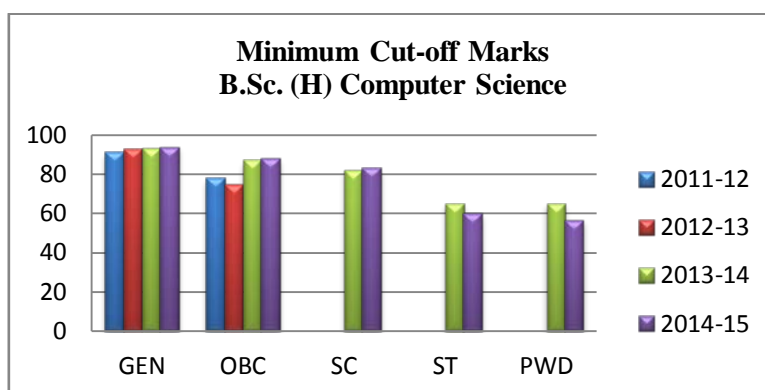
Figure 2-3: Minimum Cut-off Marks (2011-12 to 2014-15)-B.Sc. (H) Comp. Sc.
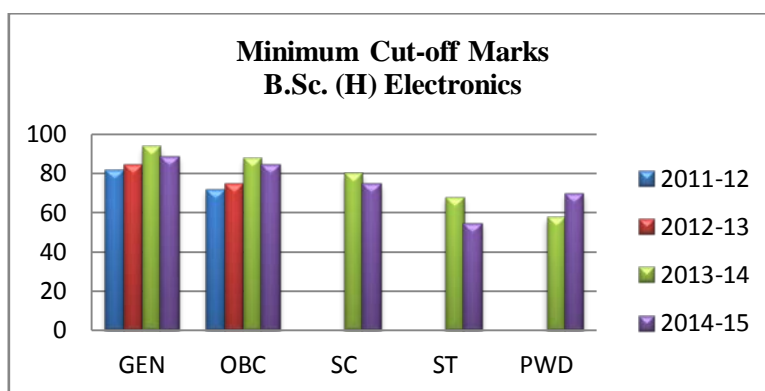
Figure 2-4: Minimum Cut-off Marks (2011-12 to 2014-15)-B.Sc. (H) Electronics
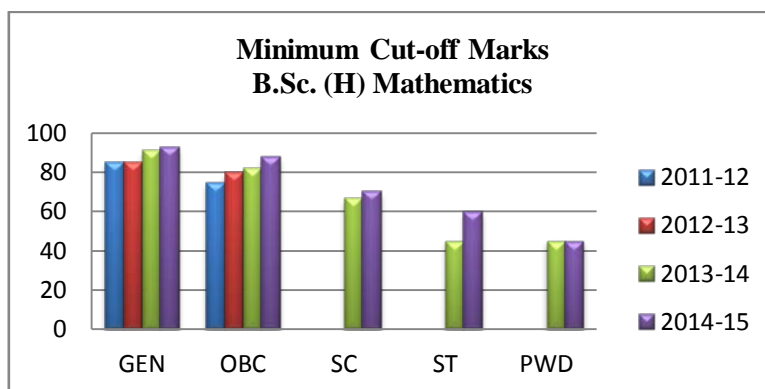
Figure 2-5: Minimum Cut-off Marks (2011-12 to 2014-15)-B.Sc.(H) Mathematics

Minimum Cut-off Marks
B.Sc. (H) Physics

A bar chart titled "Minimum Cut-off Marks B.Sc. (H) Physics" showing values for GEN, OBC, SC, ST, PWD across years 2011-12, 2012-13, 2013-14, 2014-15.
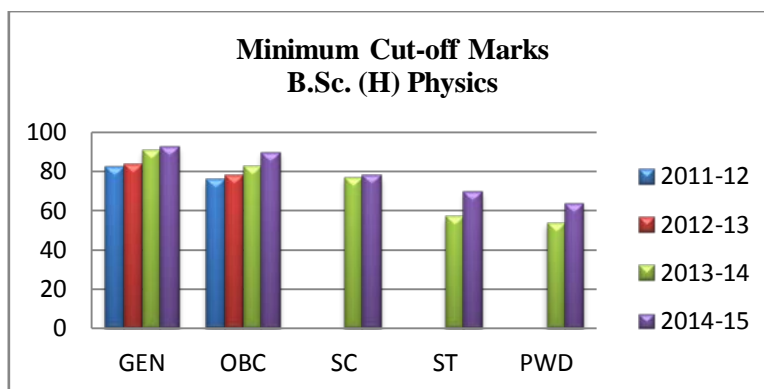
Figure 2-6: Minimum Cut-off Marks (2011-12 to 2014-15)-B.Sc.(H) Physics

Comparison of maximum and minimum cut-off percentage of marks with other colleges in the year 2014-15 in General Category, all courses

B.A. (H) Psychology (GEN)

	KMV	IP	DRC	LSR	BRAC
Max	94	98	96	97.25	92
Min	93.75	95	94.5	97.25	87
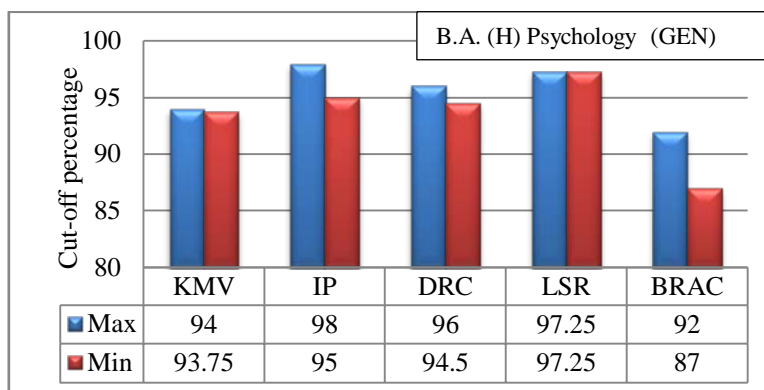
Figure 2-7: Cut-off Comparison for B.A. (H) Psychology (GEN) 2014-15

B.Com.(H) (GEN) 2014-15

	KMV	DDU	MAC	SRCC	KMC
Max	97	95	96	97.5	97
Min	95	95	93.75	97.25	93
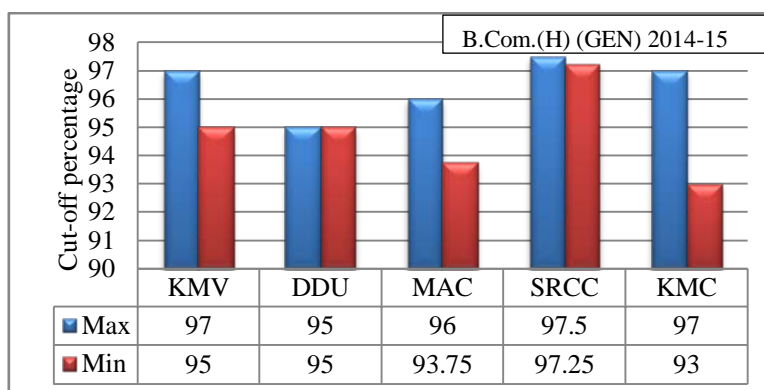
Figure 2-8: Cut-off Comparison for B.Com. (H) (GEN) 2014-15

	KMV	DDU	IP	HRC	ANDC
Max	96	96	95	98.33	95
Min	94	92	92	96.66	92
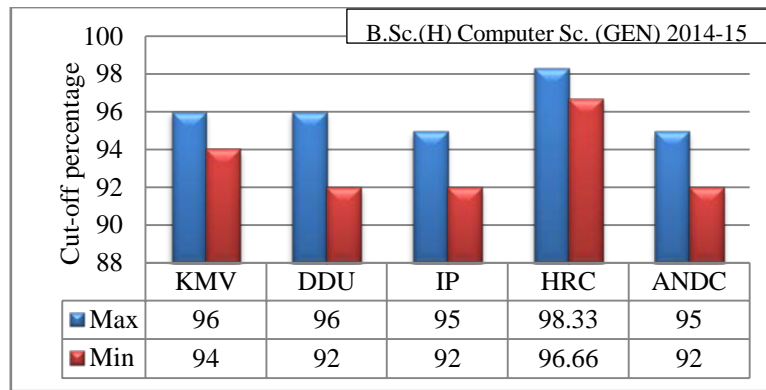
Figure 2-9: Cut-off Comparison for B.Sc. (H) Computer Science (GEN) 2014-15

	KMV	DDU	MAC	HRC	SVC
Max	95	96	94	98	96.67
Min	89	88	87	94.66	90.66
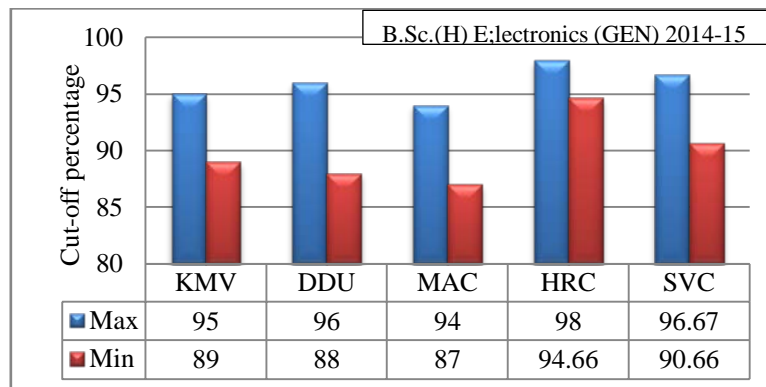
Figure 2-10: Cut-off Comparison for B.Sc. (H) Electronics (GEN) 2014-15

	KMV	IP	DRC	LSR	BRAC
Max	94	93	96.5	96.75	97
Min	93	92.5	96.25	95.75	95
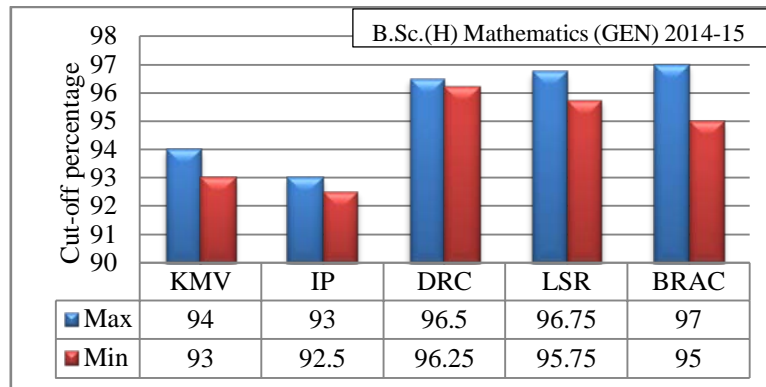
Figure 2-11: Cut-off Comparison for B.Sc. (H) Mathematics (GEN) 2014-15

	KMV	DDU	RJC	HRC	KMC
Max	94	94	96.5	97.33	95.66
Min	92.6	92	95	96	95.66
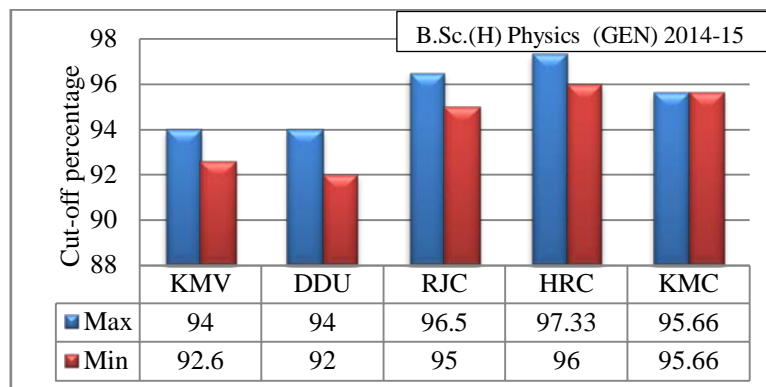
Figure 2-12: Cut-off Comparison for B.Sc. (H) Physics (GEN) 2014-15
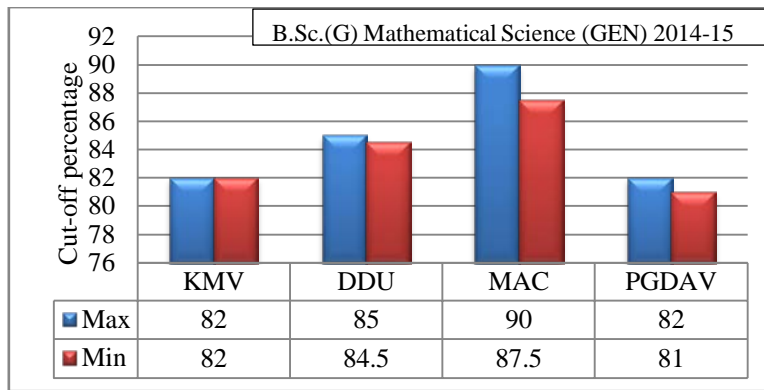
Figure 2-13: Cut-off Comparison for B.Sc. (G) Mathematical Sc. (GEN) 2014-15

	KMV	DDU	MAC	PGDAV
Max	82	85	90	82
Min	82	84.5	87.5	81
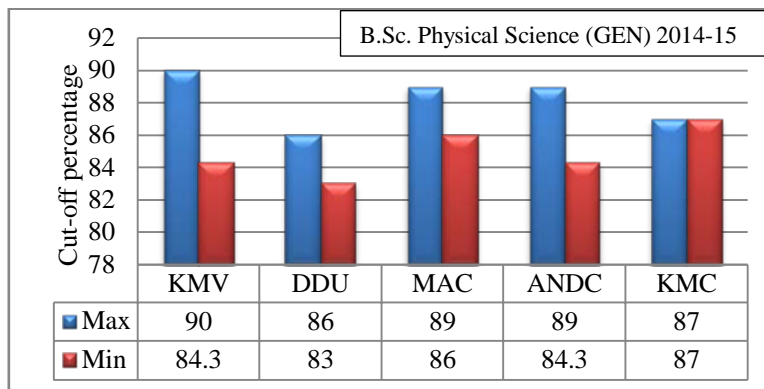
Figure 2-14: Cut-off Comparison for B.Sc. Physical Sc. (GEN) 2014-15

	KMV	DDU	MAC	ANDC	KMC
Max	90	86	89	89	87
Min	84.3	83	86	84.3	87

Comparison of maximum and minimum cut-off percentage of marks with other colleges in the year 2014-15 in OBC Category, all courses
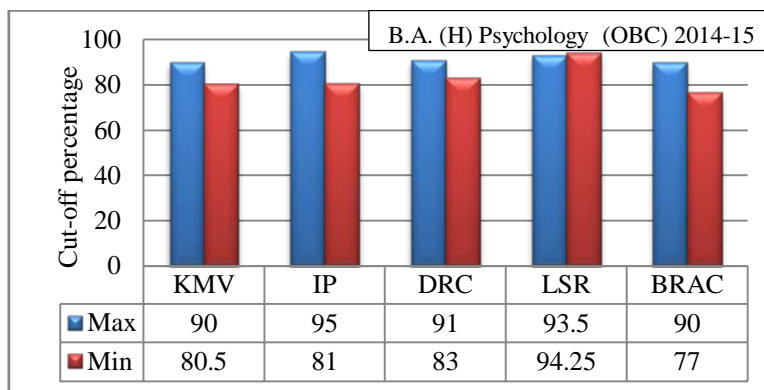
Figure 2-15: Cut-off Comparison for B.A. (H) Psychology (OBC) 2014-15

	KMV	IP	DRC	LSR	BRAC
Max	90	95	91	93.5	90
Min	80.5	81	83	94.25	77

	KMV	DDU	MAC	SRCC	KMC
Max	95	91	91	95.5	95
Min	82	82	80.75	95	91
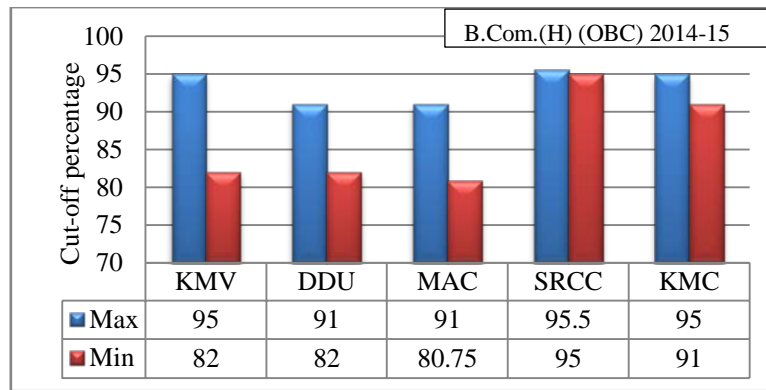
Figure 2-16: Cut-off Comparison for B.Com. (H) (OBC) 2014-15

	KMV	DDU	IP	HRC	ANDC
Max	94	95	94	97	91
Min	88	86	85	95	86.25
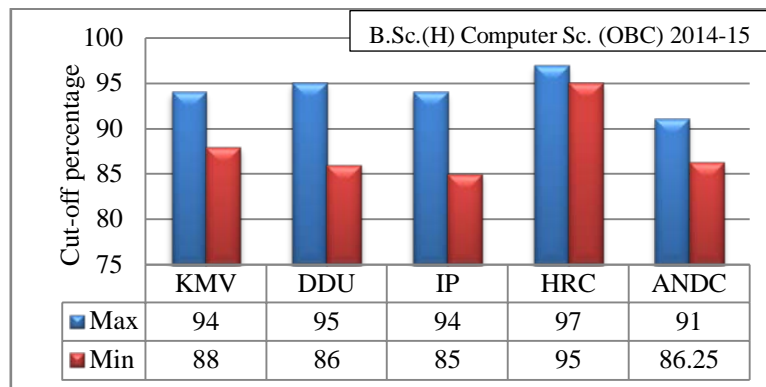
Figure 2-17: Cut-off Comparison for B.Sc. (H) Computer Sc. (OBC) 2014-15

	KMV	DDU	MAC	HRC	SVC
Max	90	90	93	97	96
Min	85	84	85	91.33	89
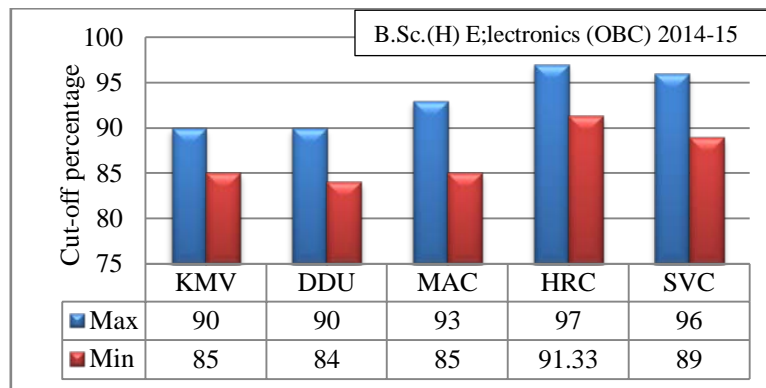
Figure 2-18: Cut-off Comparison for B.Sc. (H) Electronics (OBC) 2014-15

	KMV	IP	DRC	LSR	BRAC
Max	88	90	96	96	95
Min	88	89	94.25	96	93.75
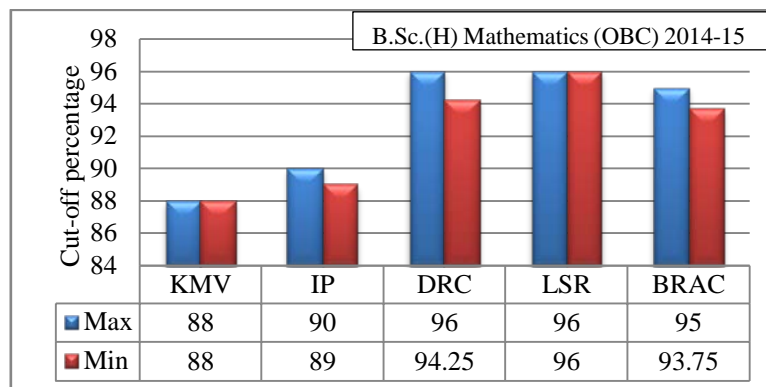
Figure 2-19: Cut-off Comparison for B.Sc. (H) Mathematics (OBC) 2014-15

	KMV	IP	DRC	LSR	BRAC
Max	90	88	94	96	94.66
Min	90	88	93	95	94.66
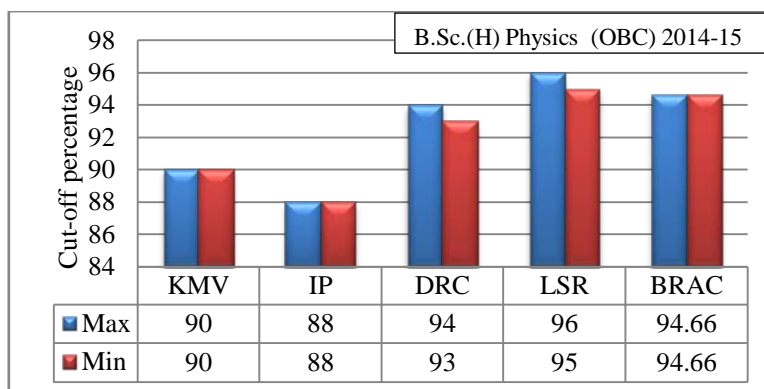
Figure 2-20: Cut-off Comparison for B.Sc. (H) Physics (OBC) 2014-15

	KMV	IP	DRC	LSR
Max	75	80	87	72
Min	75	79.5	83	72
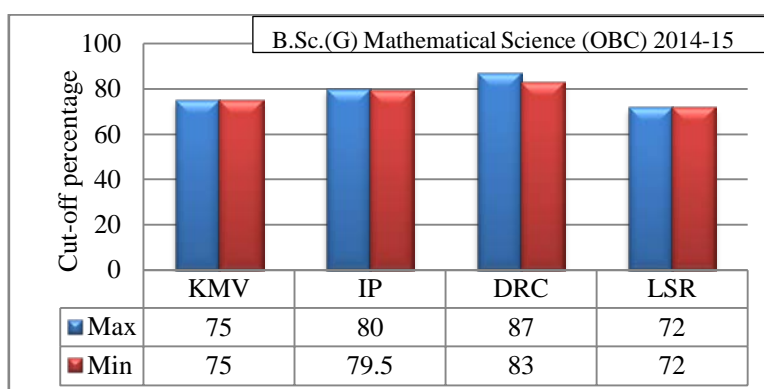
Figure 2 21: Cut-off Comparison for B.Sc. (G) Math. Sc. (OBC) 2014-15

	KMV	DDU	MAC	ANDC	KMC
Max	85	81	85	81	85
Min	79	78	81.66	75.6	85
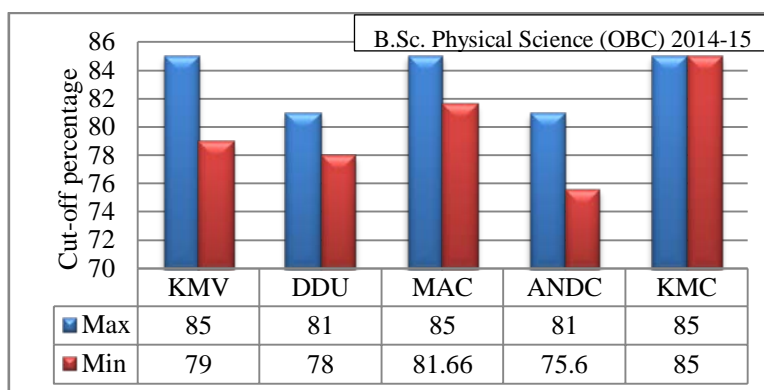
Figure 2-22: Cut-off Comparison for B.Sc. Physical Sc. (OBC) 2014-15

Comparison of maximum and minimum cut-off percentage of marks with other colleges in the year 2014-15 in SC Category, all courses

B.A. (H) Psychology (SC) 2014-15	KMV	IP	DRC	LSR	BRAC
Max	85	93	93	92.75	88
Min	75	81	72	87.25	68
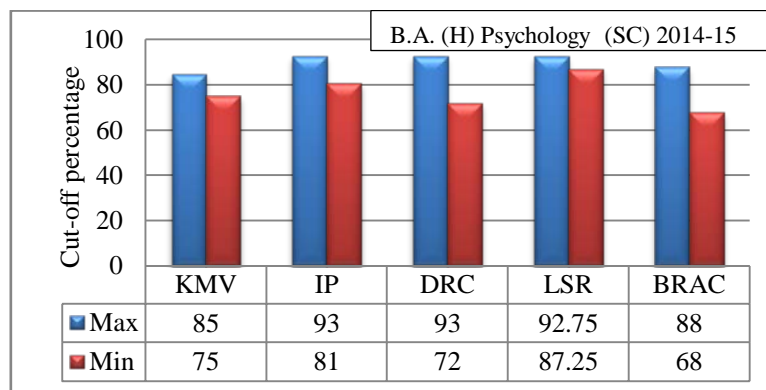
Figure 2-23: Cut-off Comparison for B.A.(H) Psychology (SC) 2014-15

B.Com.(H) (SC) 2014-15	KMV	DDU	MAC	SRCC	KMC
Max	90	85	87	93.25	92
Min	75	75	73.75	92.5	88.25
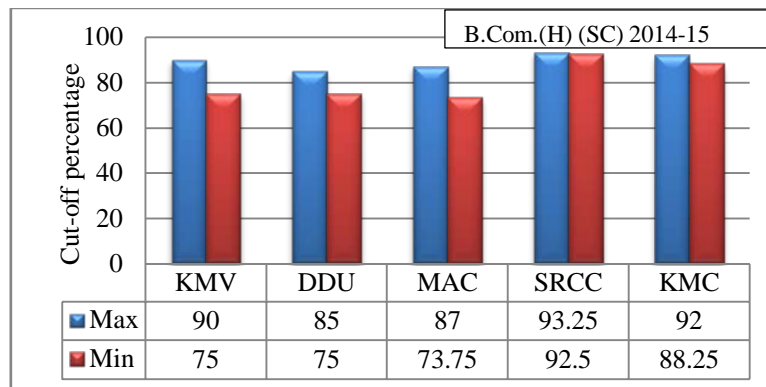
Figure 2-24: Cut-off Comparison for B.Com. (H) (SC) 2014-15

B.Sc.(H) Computer Sc. (SC) 2014-15	KMV	DDU	IP	HRC	ANDC
Max	87	93	90	95	88
Min	83	72	73.5	91	77
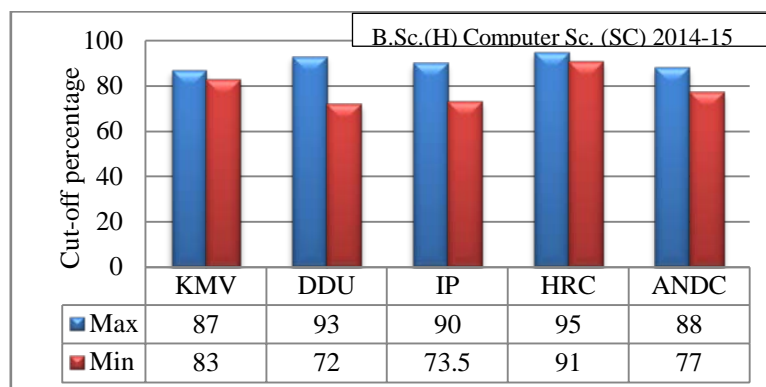
Figure 2-25: Cut-off Comparison for B.Sc. (H) Comp. Sc. (SC) 2014-15

	KMV	DDU	MAC	HRC	SVC
■ Max	85	90	92	96	93
■ Min	75	69	71	82	81.33
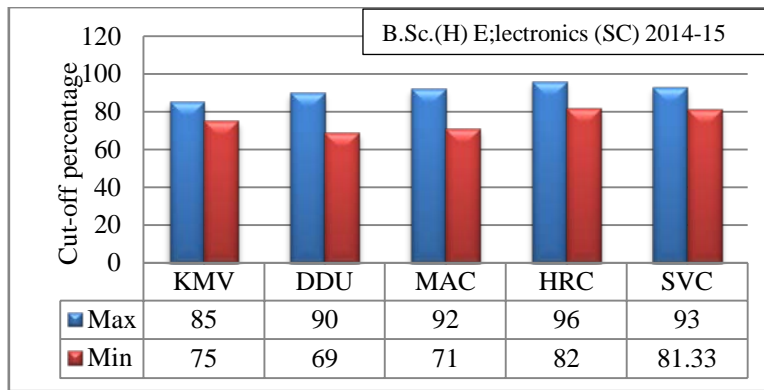
Figure 2-26: Cut-off Comparison for B.Sc. (H) Electronics (SC) 2014-15

	KMV	IP	DRC	LSR	BRAC
■ Max	70	85	93	94	87
■ Min	70	78.5	93	87	87
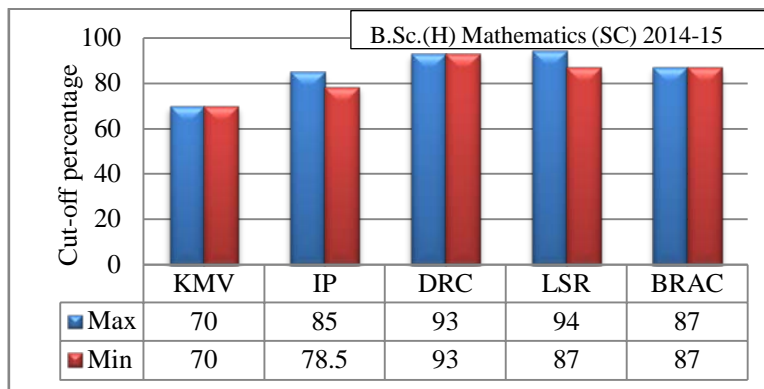
Figure 2-27: Cut-off Comparison for B.Sc. (H) Mathematics (SC) 2014-15

	KMV	IP	DRC	LSR	BRAC
■ Max	80	82	93.5	95	89
■ Min	78	78	87	92	88.33
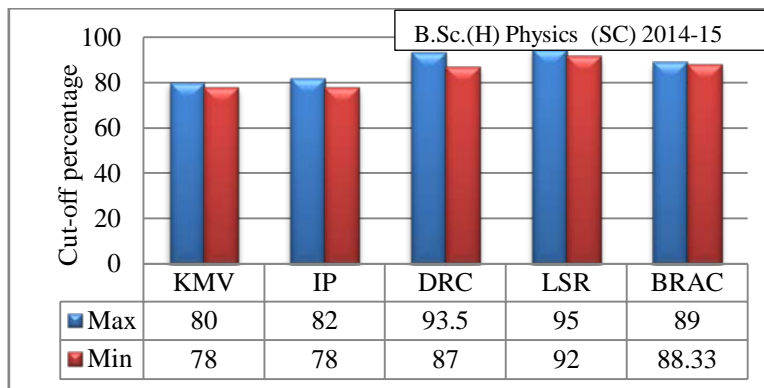
Figure 2-28: Cut-off Comparison for B.Sc. (H) Physics (SC) 2014-15

	KMV	IP	DRC	LSR
■ Max	65	75	84	67
■ Min	62	75	72	64
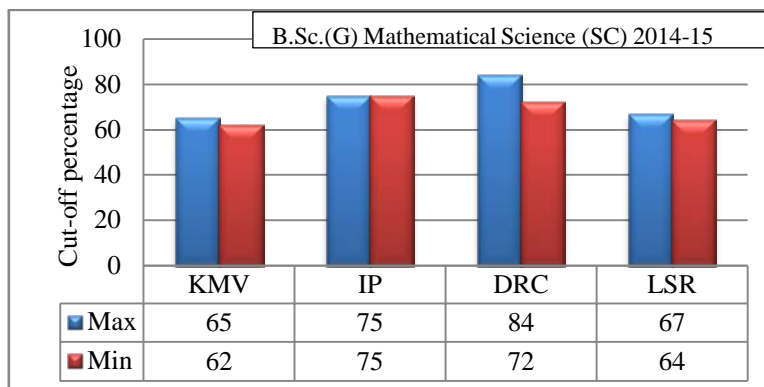
Figure 2-29: Cut-off Comparison for B.Sc. (G) Mathematical Sc. (SC) 2014-15
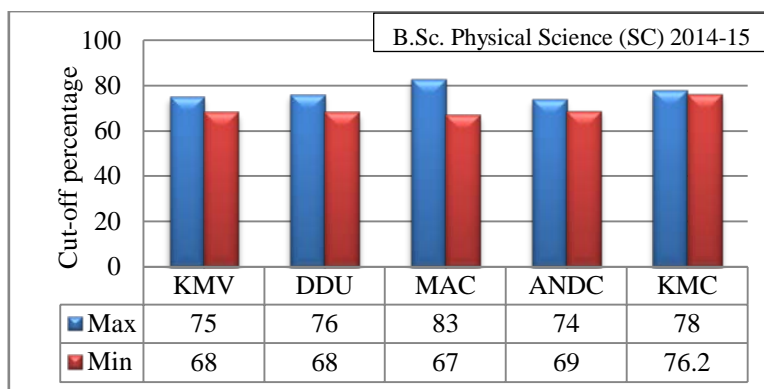
Figure 2-30: Cut-off Comparison for B.Sc. Physical Sc. (SC) 2014-15

Comparison of maximum and minimum cut-off percentage of marks with other colleges in the year 2014-15 in ST Category, all courses
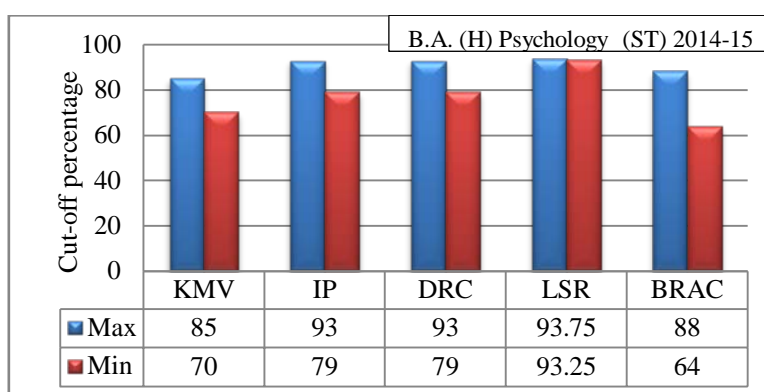
Figure 2-31: Cut-off Comparison for B.A. (H) Psychology (ST) 2014-15
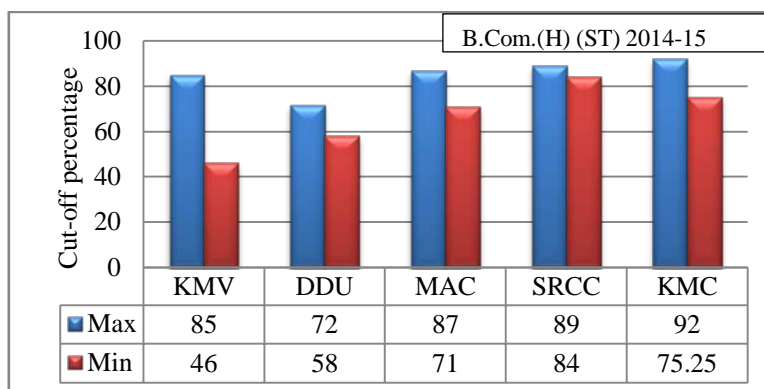
Figure 2-32: Cut-off Comparison for B.Com. (H) (ST) 2014-15

	KMV	DDU	IP	HRC	ANDC
Max	85	85	90	94	80
Min	60	63	63	79	60
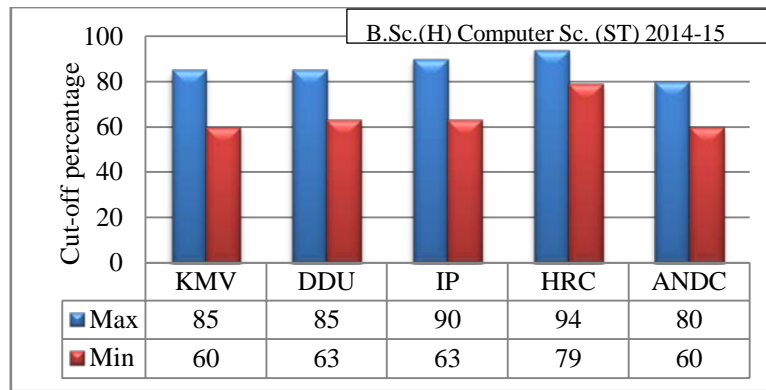
Figure 2-33: Cut-off Comparison for B.Sc. (H) Comp. Sc. (ST) 2014-15

	KMV	DDU	MAC	HRC	SVC
Max	70	80	91	94	91
Min	55	61	60	70	62
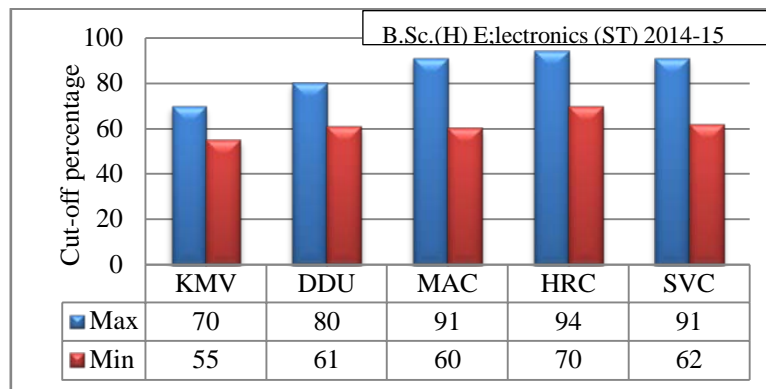
Figure 2-34: Cut-off Comparison for B.Sc. (H) Electronics (ST) 2014-15

	KMV	IP	DRC	LSR	BRAC
Max	68	72	90	94	87
Min	60	60	87	77	68
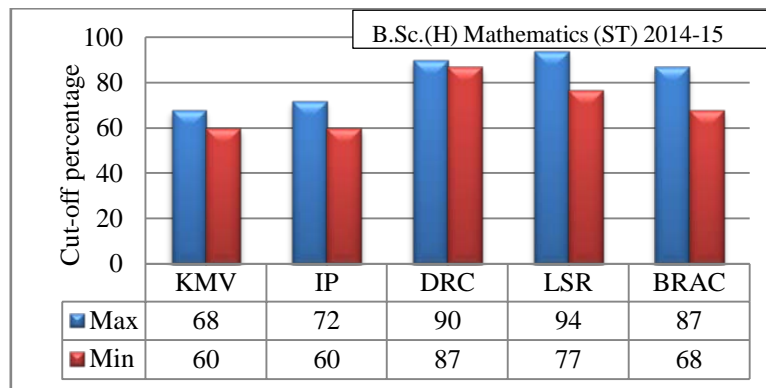
Figure 2-35: Cut-off Comparison for B.Sc. (H) Mathematics (ST) 2014-15

	KMV	IP	DRC	LSR	BRAC
Max	70	78	93.5	94	85
Min	70	60	66	69	66
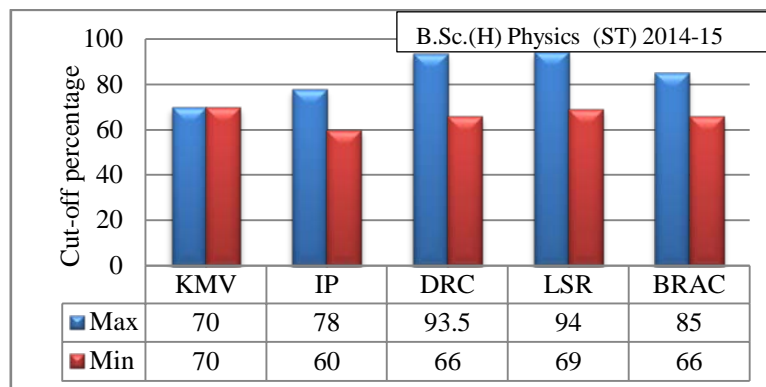
Figure 2-36: Cut-off Comparison for B.Sc. (H) Physics (ST) 2014-15

	KMV	IP	DRC	LSR
Max	62	75	82	62
Min	55	50	61	56
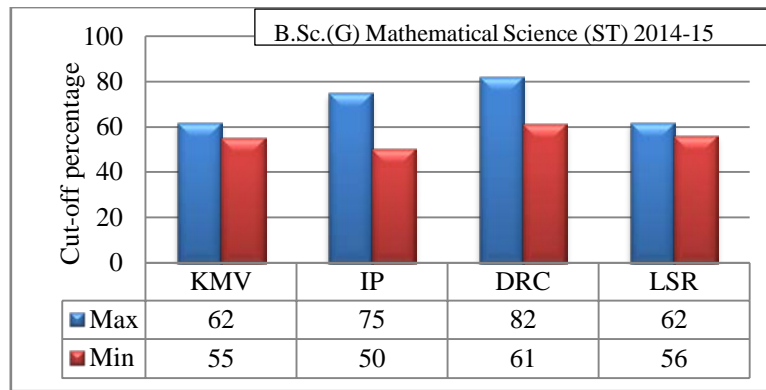
Figure 2-37: Cut-off Comparison for B.Sc. (G) Mathematical Sc. (ST) 2014-15

	KMV	DDU	MAC	ANDC	KMC
Max	70	76	83	68	78
Min	55	52	63	50	65
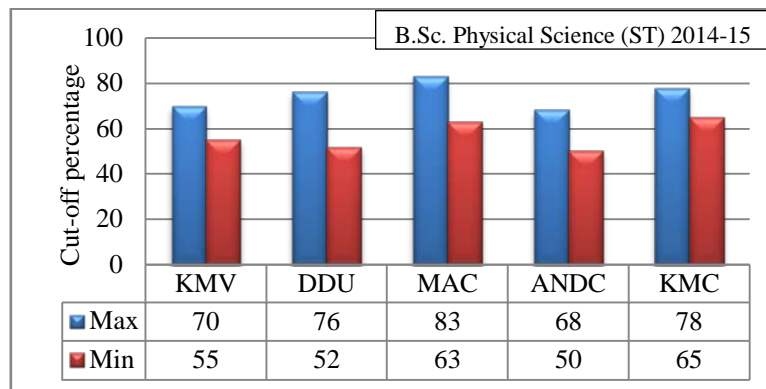
Figure 2-38: Cut-off Comparison for B.Sc. Physical Sc. (ST) 2014-15

Comparison of maximum and minimum cut-off percentage of marks with other colleges in the year 2014-15 in PWD Category, all courses

	KMV	IP	DRC	LSR	BRAC
Max	90	95	93	92.5	84
Min	70	65	55	90.25	63
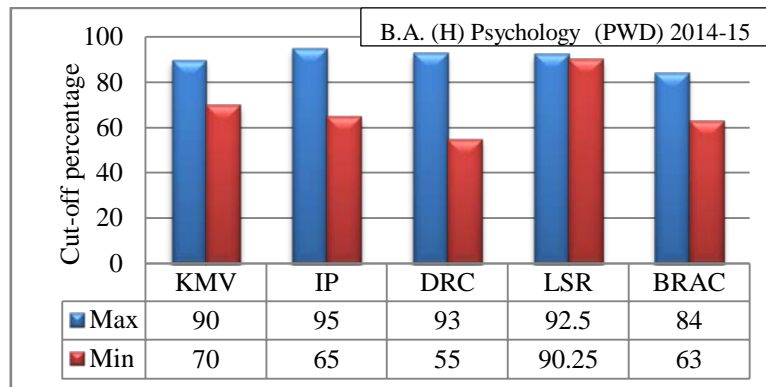
Figure 2-39: Cut-off Comparison for B.A. (H) Psychology (PWD) 2014-15
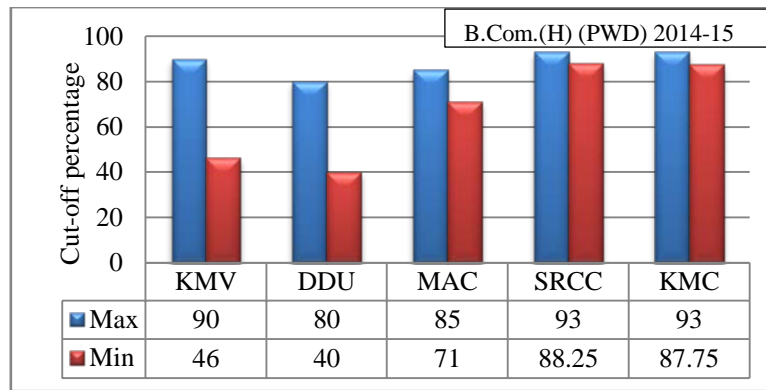
Figure 2-40: Cut-off Comparison for B.Com. (H) (PWD) 2014-15

	KMV	DDU	MAC	SRCC	KMC
Max	90	80	85	93	93
Min	46	40	71	88.25	87.75
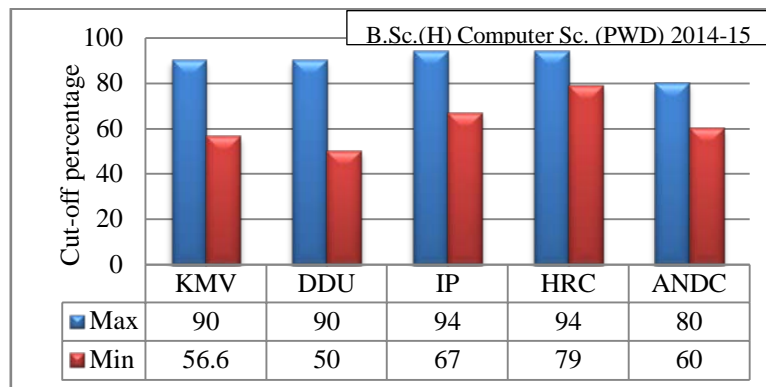
Figure 2-41: Cut-off Comparison for B.Sc. (H) Comp. Sc. (PWD) 2014-15

	KMV	DDU	IP	HRC	ANDC
Max	90	90	94	94	80
Min	56.6	50	67	79	60
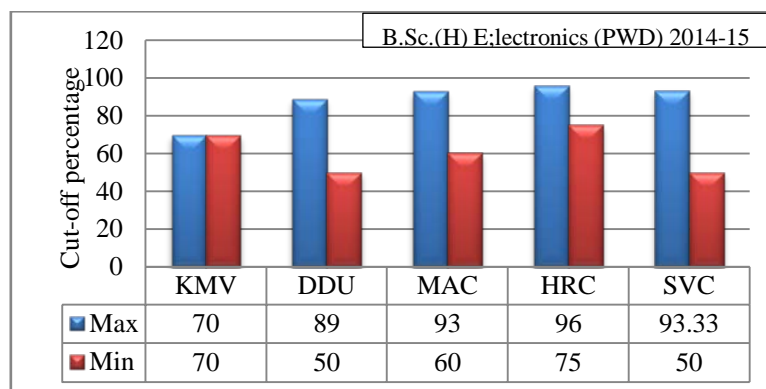
Figure 2-42: Cut-off Comparison for B.Sc. (H) Electronics (PWD) 2014-15

	KMV	DDU	MAC	HRC	SVC
Max	70	89	93	96	93.33
Min	70	50	60	75	50
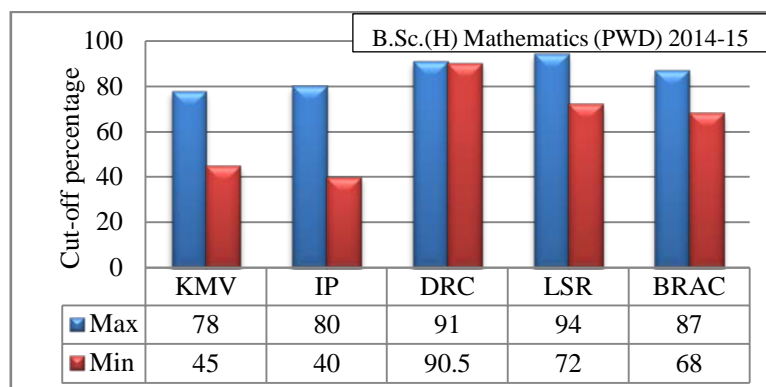
Figure 2-43: Cut-off Comparison for B.Sc. (H) Mathematics (PWD) 2014-15

	KMV	IP	DRC	LSR	BRAC
Max	78	80	91	94	87
Min	45	40	90.5	72	68

64

	KMV	IP	DRC	LSR	BRAC
■ Max	70	80	93.5	93	85
■ Min	64	50	72	74	70
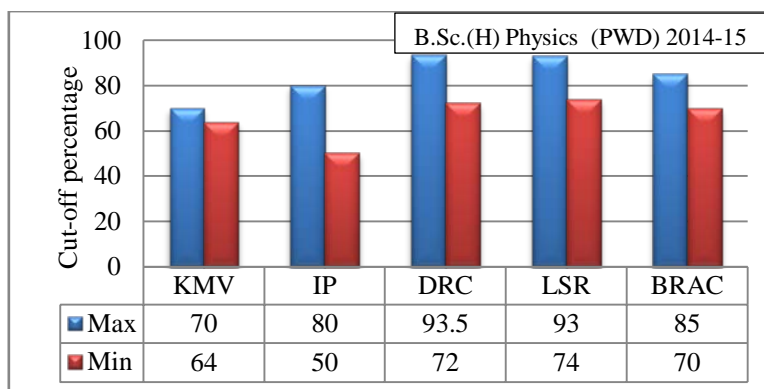
Figure 2-44: Cut-off Comparison for B.Sc. (H) Physics (PWD) 2014-15

	KMV	IP	DRC	LSR
■ Max	70	75	84	57
■ Min	58	35	73	53
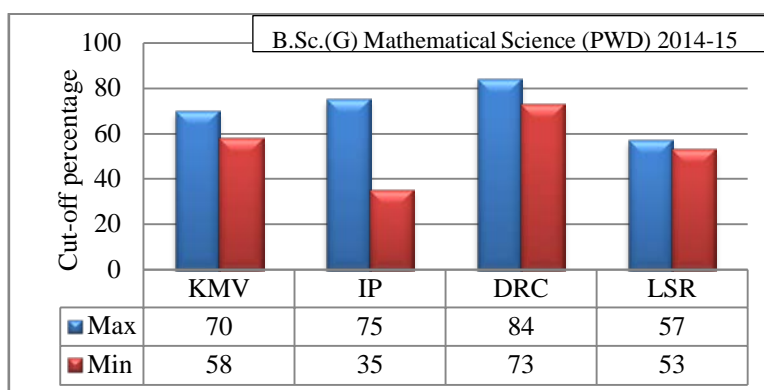
Figure 2-45: Cut-off Comparison for B.Sc. (G) Mathematical Sc. (PWD) 2014-15

	KMV	DDU	MAC	ANDC	KMC
■ Max	70	76	83	68	75
■ Min	55	40	63	45	71
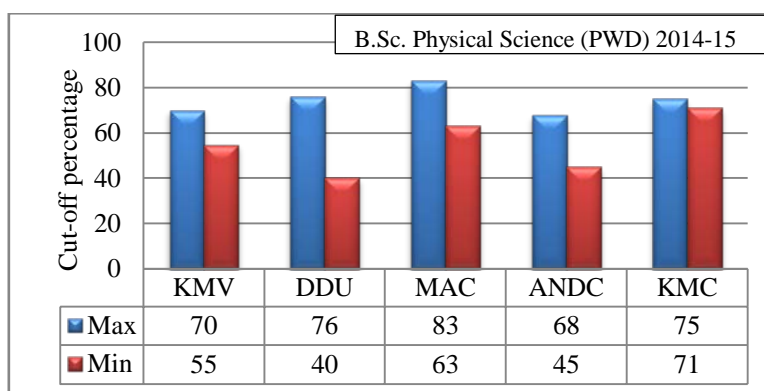
Figure 2-46: Cut-off Comparison for B.Sc. Physical Sc. (PWD) 2014-15

2.1.4 Admission process review mechanism

- A central admission committee is formed annually to supervise and manage the admission process. The departmental admission committees coordinate with the central admission committee to implement this process.

- The last year cut-off percentages for various programmes are reviewed by concerned departments to decide the cut-off percentages for the current/ coming academic year/ session.

- The committees provide its review to the Principal for better execution of the process.

- The College adopts a mechanism to have criteria in addition to the university norms for admission. The departments review the student profiles and take decision whether to give leverage to girl candidates in order to maintain gender ratio in the courses.

2.1.5 **Inclusion of all categories of students**

- The eligibility of admissions under various categories is governed by the University's guidelines. The University reserves seats in its courses for many categories of students as attached in Annexure C1.

- The College ensures that category seats are filled by students of that particular category only in the following manner.

  * Reservation of Seats for Scheduled Caste/ Scheduled Tribe:

    - 22.5 % of the total number of seats is reserved for candidates belonging to Scheduled Caste / Scheduled Tribes (15% for Scheduled Caste and 7.5% for Scheduled Tribes).

    - The seats reserved for the SC/ST shall be filled by the SC/ST candidates only. However, in the case of non-availability of the eligible candidates the reserved seats may be interchanged between the SC & ST. If still any seat remains unfilled, the same shall be left vacant after the last notified date of admission by the University.

  * Reservation of Seats for Other Backward Classes (OBC):

    - 27% of total intake in each course has been reserved for the candidates belonging to OBC as per guidelines of Govt. of India reservation policy. The OBC candidates are also given a relaxation in the minimum eligibility in the qualifying examination and in the minimum eligibility (if any) in the admission entrance test to the extent of 10% of the minimum eligibility marks prescribed for the General Category candidates. For example, if the minimum eligibility for admission to a course is 50% for the General Category candidates, the minimum eligibility for OBC would be 45% i.e. (50% less 10% of 50%). All those OBC candidates who meet the minimum eligibility marks in the qualifying examination and the minimum eligibility (if any) in the admission entrance test are eligible for admission in the order of their merit, keeping in view the availability of seats reserved for them.

    - If the seats reserved for the OBCs remain vacant, the said seats shall be filled with the OBC students. Only if OBC candidates possessing the minimum eligibility marks are not available in the OBC category then the vacant OBC seats shall are filled as per policy notified by University of Delhi.

    - The OBC candidates who belong to the "Non-Creamy Layer" and whose castes appear in the Central List of the OBCs only are eligible to be considered for admission under the OBC Category.

- The cut offs for admission of the OBCs have to be fixed separately keeping in view the number of seats reserved for them in each course and once a cut off has been announced for the OBCs, all OBC candidates above the said cut-off have to be admitted by the College.

  * Reservation of Seats for Persons with Disabilities (PwDs):

    - The PwD candidates with not less than 40% disability are given a relaxation in the minimum eligibility in the qualifying examination and in the minimum eligibility (if any) in the admission entrance test to the extent of 5%.

- 3% of total intake is reserved for Persons with not less than 40% disability (**PwD**). [1% each for the persons with low vision or blindness, hearing impaired and loco motor disability or cerebral palsy, interchangeable in case of non-availability of candidates in the sub-categories].

- The College ensures that category seats are filled by students of the particular category meant for them only. A maximum of 10 admission cut-off lists are declared if the seats in a particular category remain vacant. If the seats still remain vacant, the notices are put up on the University, College website and student notice boards in the College premises till these seats are filled.

- University of Delhi has a provision for granting **leverage of marks to women students** for admission. The College adopts this policy for admitting **girl students** to a particular course, if felt necessary by the concerned department.

- The College has an Equal Opportunity Cell (EOC) that provides the required assistance to the students coming for admission under differently abled category. The cell also works hard to address all the grievances of the students during admission. Further, it ensures that the College admits differently abled students as per norms of University of Delhi.

- Admissions are granted to exceptionally talented students in the fields of **extracurricular activities and sports**. Information regarding admission under these categories is notified on the college website and notice boards. A team of experts nominated by the university visits the college and trials are conducted by the college committee in the presence of officials from the University team. The entire selection process of selections of students under this category has been video graphed for the last two years.

2.1.6 Details for various programmes offered by the College and the students admitted to these programmes

Following are the details for various programmes based on the cut-off marks announced by the College.

Programmes	Year	Number of applications*	Number of students admitted
B.A(H) Psychology	2011-12	Data unavailable	39
	2012-13	Data unavailable	40

	2013-14**	26421	34
	2014-15	41740	42
B.Com(H)	2011-12	Data unavailable	127
	2012-13	Data unavailable	165
	2013-14**	86612	154
	2014-15	93893	191
B.Sc(H) Computer Science	2011-12	Data unavailable	90
	2012-13	Data unavailable	80
	2013-14**	58943	122
	2014-15	78135	81
B.Sc (H) Electronics	2011-12	Data unavailable	38
	2012-13	Data unavailable	34
	2013-14**	43884	56
	2014-15	70461	26
B.Sc (H) Mathematics	2011-12	Data unavailable	50
	2012-13	Data unavailable	107
	2013-14**	52289	66
	2014-15	99897	66
B.Sc(H) Physics	2011-12	Data unavailable	41
	2012-13	Data unavailable	63
	2013-14**	51174	60
	2014-15	83000	31
B.Sc (G) Mathematical Science	2011-12	Data unavailable	65
	2012-13	Data unavailable	34
	2013-14**	Data unavailable	Course not conducted
	2014-15	Data unavailable	86
B.Sc Physical Sc. with Computer Science	2011-12	Data unavailable	37
	2012-13	Data unavailable	66
	2013-14**	Data unavailable	Course not conducted
	2014-15	Data unavailable	51
BBS***	2011-12	Data unavailable	47
	2012-13	Data unavailable	48
	2013-14**	Data unavailable	56
	2014-15	Data unavailable	45
Certificate course in German	2011-12	Data unavailable	59
	2012-13	Data unavailable	75
	2013-14	Data unavailable	59
	2014-15	Data unavailable	52
Certificate course in	2011-12	Data unavailable	56

French	2012-13	Data unavailable	57
	2013-14	Data unavailable	54
	2014-15	Data unavailable	51

* Total number of applications received by the University as part of Central Admission policy.
** Admissions under FYUP scheme.
*** For admission to BBS course, an entrance exam is conducted by the University.

2.2 Catering to Student Diversity

2.2.1 Adherence to government policies to cater the needs of differently-abled students

- The College has a friendly environment for differently abled students. A lift, separate toilet and ramps with railings are a part of the College building.

- The College got an access audit in the year 2008. The Access Audit Report confirmed that the College by and large complied with the needs of differently abled students and made some recommendations to improve upon the existing infrastructure. The suggestions were welcomed and implemented for the welfare of the differently abled students.

- The College has an Equal Opportunity Cell (EOC) that provides the required assistance to the students coming for admission under differently abled category.

2.2.2 Students' counseling during admissions

- The University conducts open house sessions in various colleges before the admission process begins to counsel students to make them aware of various programmes suiting their aptitude.

- After the admission and before commencement of classes an orientation programme is organized by the College to apprise the students about the college, various curricular, co-curricular and cultural activities conducted by different societies of the College.

2.2.3 Strategies adopted by the College to bridge the knowledge gap of the enrolled students

- The curriculum related problems of the students are regularly addressed by the concerned faculty members during the tutorial, practical and interactive classes held as per the prescribed course structure.

- The teachers encourage students to pose their difficulties either through e-mails or after the class hours if they get stuck while studying beyond college hours.

- Peer learning is also encouraged and meritorious students are asked to help the slow learners. Simplified versions of books are recommended to them.

- Workshops and special sessions are organized for slow learners and students who do not have basic skills/ knowledge on certain topics.

2.2.4 Sensitization towards social issues such as gender, inclusion, environment, etc.

The college sensitizes its staff and students via various staff committees, student teacher societies and student clubs:

Women Development Cell (WDC) and Internal Complaints Committee (ICC)

The college makes efforts through WDC to sensitize not only students but also the staff members by holding workshops/seminars/talks etc. from time to time. Recent events/activities held are as follows:

- A workshop on Sexual Harassment – Ramification and Remedies organized by WDC on 17.10.14

  - Ms. Jyotika Kalra, Advocate-on-record, Supreme Court of India;

  - Mr. Rajesh Gogna, Advocate, Supreme Court of India;

  - Prof. Ambrish Saxena, Director — Vivekananda Institute of Professional Studies

- A workshop on Health and Nutrition organized by WDC on 24.10.14

  - Dr. Seema Puri, Associate Professor at the Department of Nutrition, Institute of Home Economics, University of Delhi

- A seminar on Breast and Ovarian Cancer Awareness organized by WDC in March 2014

  - Dr. Indu Aggarwal, Preventive Oncology, Rajiv Gandhi Cancer Institute and Research Centre, Rohini

Internal Complaints Committee (ICC) is set up in the college for the prevention, prohibition and redressal of sexual harassment of women.

Equal Opportunity Cell (EOC)

The college infrastructure provides equally accessible education and learning environment for the differently abled. The college has barrier free paths, elevated ramps, lifts (elevator) for differently abled persons. Special toilets are also available for their convenience.

Student Aid Fund Committee (SAF)

Student Aid Fund Committee helps economically marginalized students by tuition fee waver, financial aid, scholarships, books etc.

Environment and Eco-friendly Practices through Garden Committee, and Prakriti - the Eco Club

The college has a Garden Committee and Prakriti, the environment club. The committee takes care of the beautiful green campus with sprawling lawns and flower beds. The environment club works by the motto Tat Tvam Asi (that thou art) promoting the ideology that humans are constituent of their environment. The college recognizes the importance of environment as a holistic entity to be respected and not merely used. The club activities include planting trees, recycling waste, taking steps to control air/water pollution.

A number of measures have been taken to make the campus eco-friendly and to generate awareness towards environment, some recent developments include:

- Paper Saving: Online attendance system leads to considerable paper savings. Most of the practical records are also accepted in the form of one cd-rom for entire batch instead of bulky paper files.

- To generate awareness on environment related issues, the hostel students celebrated eco-friendly Visarjan of Lord Ganesha during the festival of Ganesh Caturthi wherein they made Ganesha idol from clay followed by submerging in an earthen pot so the same can form basis of generation of new life. The practice promoted the ideology that religious ceremonies need not bring pollution to the earth but can be performed in a way to nurture the planet.

- A tree planting drive was conducted in the college. Both the hostel students as well as college staff showed enthusiastic participation, numerous tree saplings were planted in the college campus. The students pledged their care and effort towards two plants each that they adopted.

- National Cleanliness Drive: College showed enthusiastic participation in the Rashrtiya Swachchhata Abhiyan. During this cleanliness drive both the college staff as well as students took great interest and contributed their bit to make our college premises shining and clean. Students used their creativity and made posters spreading awareness on issues promoting cleanliness. The success of this event was reflected in reformed thinking of students and staff that is demonstrated by continuance of this good practice.

Rotract Club

The club organizes various services to society camps every year. In the winter 2014-15, they have organized Cloth Collection and Donation Drives for the poor and homeless people shivering in the cold weather of Delhi, and Book Collection and Donation Drives where books up to matriculation level were donated to various students who are incapable of affording an education. Other than donation drives, the club members also organize visits to orphanages and old age homes to celebrate festivals and spend quality time with the inmates and old people.

National Service Scheme (NSS)

The college has started National Service Scheme (NSS) program few years back with primary focus on the development of personality of students through community service. It organizes various events for the students of the college like free health checkup camps, blood donation camps, self-defence classes for girls, lectures on health and nutrition, educational camps in nearby slums, anti-tobacco campaign etc. The NSS team also participates in various events held outside the college throughout the year.

Student Societies

Apart from these, the College has other societies also that aims towards sensitizing or working for socially relevant issues. For instance, **Bizworld**

society carried out social entrepreneurship campaigns to enable and empower people outside the precincts of college i.e. the slum dwellers in different parts of the city. The cultural societies of the college such as dramatic society **Shades**, **Vagmita** the eloquence and **Expressions** society etc. stage performances for sensitizing the audience towards socially relevant issues.

2.2.5 Identifying and imparting special education to the advanced learners

- The teachers utilize their experience well to identify advanced learners while interacting with students in the class.

- The teachers encourage them to enhance their knowledge by recommending books and journals having concepts beyond their curriculum. The teachers also help them solve their queries by guiding them in extra time (especially during practical and tutorial classes).

- Faculty members from various departments carry out interdisciplinary research with the help of the projects sanctioned by University of Delhi and other funding agencies like UGC, DST etc. The advanced learners are invited to be part of these projects that benefits both the teachers and the students in enhancing their knowledge and skills.

2.2.6 Collection, analysis and utilizing the information on the academic performance of students

- The College identifies the students from the disadvantaged, physically challenged and economically weaker sections of the society through the information filled in admission forms.

- As per provision by the University of Delhi, the College provided laptops to physically challenged students admitted in the year 2013-14.

- Student Aid Fund is provided to the students of the weaker sections of the society, if they apply for the same. Generally, it is provided in the form of books required by them and by reimbursing the tuition fee.

- Slow learners and students who do not have basic skills/ knowledge on certain topics are given extra attention in the form of one-on-one guidance and extra doubt/review sessions besides usual lectures.

- Peer learning is encouraged and meritorious students are asked to help the slow learners. Simplified versions of books are recommended to them.

2.3 Teaching-Learning Process

2.3.1 Schedules for the teaching, learning and evaluation

- Keshav Mahavidyalaya is a constituent college of University of Delhi. The Academic Calendar is notified by the university and is made available to the faculty and students through the websites of the university and the College.

- The calendar contains the information regarding the beginning and the end dates of each semester, including the dates of field rips/ Workshops/ Sseminars, practical and theory examination.

- The College prepares an internal schedule reflecting the deadlines for submission of internal assessment, timetables, and practical exams of respective papers. The faculty adheres to these deadlines for effective teaching and completion of syllabi and examination process on time.

- An evaluation schedule for all theory papers is made available to the concerned teachers well in advance. The same is made available on the University website as well.

2.3.2 IQAC contribution to improve the teaching–learning process

IQAC has formulated the following guidelines for improving the teaching – learning process.

- The faculty members should hold the meetings to layout plans to implement the suggestions made by the committee members.

- Benchmarks of best known colleges within and outside of University of Delhi must be set as model to improve the quality of education in the College.

- The following suggestion were made in the respective categories:

  * **Curriculum** – Since college has to follow the syllabus prescribed by the University yet the college can improvise by including innovative projects, assignments, case studies and design practicals.

  * **Teaching, Learning and Evaluation** – Instruction plan/Teaching plan may be provided to the students in the beginning of the session. Course handout may be given to the students. Internal Assessment should be seen and signed by the students. Assignment Patterns may be defined.

  * **Research and Extension** – Students should be encouraged to take innovation projects. All the academic activities held in the college must be properly documented. Results of the research projects should be discussed with the students. Student Chapters should be formulated with subject related organizations such as SPI, Oracle etc. for funding of research activities.

  * **Student support** – It was suggested that departmental libraries may be maintained. All the extra facilities and support to the students in terms of societies and clubs should be documented. There should be common rooms so that students can pursue their hobbies.

  * **Innovations** – Innovation should be done not only in academics but also in Administration, teaching and research. Faculty and students should be encouraged to take research projects.

2.3.3 Support structures and systems to develop learning skills among the students

Students are encouraged to participate in the class room discussions, to do project work, to use ICT techniques and E-learning facilities available in the College. Regular assignments are given to students and their progress is monitored. Seminars, workshops and field trips are organized for students and external experts are invited to widen their knowledge. The college has state of the art support structures and systems in place for the benefit of students and faculty members.

- **Wi-Fi Campus**: The college campus is well connected through wired as well as wireless networks. Students have access to internet through 100 Mbps connectivity by fiber optic/LAN cable backbone structure. The Wi-Fi coverage extends beyond class rooms to all areas including Library, Auditorium, Amphitheatre and Cafeteria. Eventually, it enables Keshav Mahavidyalaya to switch over to innovative and recent teaching and learning methodologies.

- **E-enabled Classrooms**: The six lecture theatres and all classrooms are equipped with projectors and screens.

- **Laptops** have been provided to first year students to encourage E-learning. Laptops have also been provided to faculty members for taking classes in E-enabled classrooms.

2.3.4 Nurturing critical thinking, creativity and scientific temper among the students

The informing ethos of the teaching practices is to move the learning forward beyond the classroom, towards a better living environment through inculcating a questioning and analytical mind. Questioning and analyzing tendency/ habit may not always lead to conclusive solutions but the whole process inculcates critical thinking, creativity and scientific temperament among the students. The College implements this through various activities and programs to transform the students into life-long learners and innovators.

- Writing and presentation of their project proposals and final reports improves their writing skills in terms of expressing ideas, point of view and helps in organizing thoughts coherently and clearly.

- Research, developing questionnaires, conducting interviews develops their cognitive skills with a focus on creative, critical, organizational and analytical thinking.

- Teaching the students with real life examples and encouraging them to look for problems in the situation. Brainstorming over a problem and searching for feasible solutions help the students in realizing the scientific beauty and application of every axiom in results.

- Relating case studies to various issues in business environment to enable students to learn application of theories in practical world of corporate enterprises. The contemporary economic/ business issues are linked during

class room teaching and the assignments are given to the students while keeping the above objective in mind.

- Introducing some advanced topics and encouraging them to explore online academic resources for having a better insight into the topics.

- Enhancing the understanding of managerial issues through industrial visits.

- Inviting articles for the College magazine to give a platform to vent out their exuding ideas.

- Encouraging them to exhibit their talent in intra-college and inter-college cultural events like quiz, poster making, street play, essay, elocution, debate, etc.

2.3.5 Use of available technologies and facilities for effective teaching

Preparing a lecture requires a lot of inputs which are derived using modern techniques and methodology. The College is very well equipped with state of the art facilities. Classrooms are equipped with e-learning facilities which include overhead projectors, smart boards and Wi-Fi connectivity. The use of the internet facilitates elicitation of information on topics to be taught. The use of the modern electronic devices makes the difficult and dry subject interesting through the aid of videos, films etc., and help the students understand better.

- The College library gives access to open educational resources. It has a dedicated computer room. Students and faculty alike make extensive use of these resources. The students are also encouraged to go through e-books available on the internet.

- The College has well-equipped computer laboratories where sources of academic information are also available like JSTOR and INDIASTAT to all faculty and students. These resources provide qualitative study material and help faculty in introducing new dimensions related to particular concept.

- Laptops are issued to the faculty for making optimum use of latest technologies and enhancing their teaching pedagogies. Lessons are prepared and presented using Power Point. The study material thus created is disseminated to the students.

- E-learning resources from NPTEL (National Programme on Technology Enhanced Learning) are used by faculty and customized as per syllabus requirement and understanding level of students. Some of the faculty members have also developed various modules for National Mission on Education through Information and Communication Technology (NME-ICT as a part of M.H.R.D Project) which they also use in their classes.

- Students are encouraged to explore various free educational resources available online, e.g. NPTEL, Coursera, MIT, W3Schools Online Web Tutorials to ensure that the students get conversant with the topic through e-learning resources and tools. Students also refer to Wikipedia as it is a popular source of information though not always authentic. Hence they are

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instructed to verify the information from more trustworthy resources like reference books and faculty members.

- Important and urgent information is exchanged through e-mails. Online forums and common groups are usually used to communicate with students besides the face to face interaction.

- The students are encouraged to submit their assignments and presentations in soft copies so that an environmentally responsible attitude is inculcated in them.

2.3.6 Enhancing knowledge and skills of students and faculty

Implementing knowledge with best of innovative efforts, i.e., fusion of blackboard teaching with use of technology helps in enriching students learning. Teaching students through blended e-learning techniques ensures exposure to latest technologies and pedagogies both in the students and faculty. In addition, the College organizes seminars, festivals etc. where all students and faculty members participate. They also attend workshops and seminars held from time to time at the inter-college, the university and inter university levels.

- The faculty members are exposed to advanced level of knowledge and skills through various Faculty Development Programmes (FDPs), orientation and refresher courses.

- The faculty members are also provided grants by University of Delhi as well as funding agencies like UGC, DST, etc. to participate in National/ International Conferences.

- The continuous involvement in research enhances teaching and helps the faculty to keep pace with the recent developments in the various fields.

- Students and faculty members also participate in the university's research innovation projects and study tours conducted by the University of Delhi, especially the Gyanodaya Express tour.

- The departments in the College have individual academic societies comprising students and teachers. These societies organize various academic activities like annual festivals, seminars and workshops reflecting recent trends of the research and corporate world.

- Learning is enhanced by extension activities such as interaction with intellectuals, industry leaders, community and other stakeholders in the society.

- Students are assigned various creative tasks, such as writing articles in the College magazine, presenting seminars on recent developments. Such interactions are mutually beneficial to the students and the faculty.

- The College library has subscribed to various books and magazines related to different subjects purchased by the College on a regular basis for knowledge up-gradation.

2.3.7 Provision of academic, personal and psycho-social support and guidance services to students

- The psychology department of Keshav Mahavidyalaya has actively supported the cause of student's mental health and well-being by the establishment of guidance and counseling cell called 'Counselenza' in the College premises.

- This counseling body comprised of faculty members and students who were trained to offer supportive help to students having a wide range of academic and personal issues.

- The therapeutic dimension of this cause extended to career counseling, psycho education, building awareness, interpersonal problems and social sensitization. The faculty has made regular attempts to offer help beyond the confines of the classroom setting.

- To further ensure the longevity of guidance services, the College has expanded the students' accessibility to a mentor who offers help by using techniques like role plays and psychometric assessment tools.

- To illustrate, students often approach over matters such as exam stress, career selection, family adjustment and friendship concerns.

- Many a times students are hesitant in approaching the counselor due to issues of privacy. This is tackled by maintaining standards of confidentiality, reassuring them of their ethical rights and offering an anonymous forum where ease in expression could take place.

- Over the years, college students have experienced a nurturing atmosphere towards their personal, social and academic growth.

2.3.8 Innovative teaching pedagogy adopted by the faculty and its impact

- Understanding and appreciation of different kinds of concepts are reinforced by regular reading and presentation schedules.

- An up to date infrastructure in the College such as ICT labs with latest computers, LCD projectors and internet facility lends an easy access to information. This helps faculty to adopt new and innovative approaches in teaching.

- The interactive method, audio-visual mode of teaching, organizing seminars based on the curriculum, project-based on the syllabus lay a positive impact on the students' learning.

- The texts in the syllabus are used as basic classroom material and more texts and tasks are added by the teacher. The learning materials and tasks are graded in nature. The heterogeneity of subject competence in the classroom is accounted for and therefore lectures are pitched at differing levels according to the difficulty level of the learner.

- Students are encouraged to use language in a variety of social situations, academic as well as professional contexts with the help of role playing and

word association games. They are allowed to choose narratives, build upon the concept and present them in the classroom.

- Attention is also given to developing their listening skills by responding appropriately to spoken language.

- Students are encouraged to express themselves confidently on the topic given to them for presentation. They are marked on content analyses, presentation skills and responsiveness.

- They are familiarized with strategies needed to read a variety of texts by develop reading and analytical skills.

- Field trips are conducted for students to enhance their inquisitiveness and create a sense of awareness.

2.3.9 Use of the Library as resource to augment the teaching-learning process

Teaching-learning is a dynamic process that requires continuous monitoring of the academic resources available in the College. Library is one of the most important academic resources. It plays an integral role in enhancing the productivity of the teaching-learning process.

- Keshav Mahavidyalaya is proud of its well stacked library having a rich repository of more than 22,000 books.

- The library has a computer lab with Wi Fi connectivity.

- The computer systems are connected to the centralized library service provided by the University of Delhi.

- The students and faculty members are free to access the e-journals and other academic material available online.

In the beginning of the academic session and as and when a grant is received by the College, the Librarian convenes a meeting with the teachers in charge of all the departments to discuss the book requirements of faculty and students. The faculty recommends text books and reference books as per course guidelines. Apart from this, books and magazines for general reading are also procured on the recommendations of the College staff members.

2.3.10 Challenges in completing the curriculum within the planned time frame and calendar

The academic calendar is well designed to suit the requirements of the semester system in regard to the completion of the curriculum/syllabi in time.

- The calendar is always available in advance, which mentions the entire schedule for working days, mid semester break and examinations, etc. Hence the faculty members and the students are aware of the total number of hours available during the entire semester.

- The detailed syllabus along with the number of lectures to be spent on various topics is also available with the syllabus. Therefore, the syllabus is completed within the available time frame and calendar.

However, lots of activities such as students' co-curricular activities, their participation in seminars, academic and cultural festivals, etc. in the College and outside the College, faculties' involvement in administrative work, research work and other departmental (at University level) meetings make it very challenging to complete the curriculum within the planned time frame. Lectures missed on account of such activities are compensated by engaging students in extra lectures.

2.3.11 Monitoring and evaluation of the teaching learning quality

The College is considerate and vigilant towards improving the quality of teaching-learning process. The faculty members of the College endeavor continuously to supervise the progress of students and create an amicable learning environment for them.

- Teachers monitor students through projects, assignments, tests, case studies and presentations.

- In addition to continuous assessment, they conduct mock practical exams; take viva, give rigorous practice sessions to prepare them for final examination.

- One to one interaction of teachers with the students helps them to understand each other in a better way and creates a conducive learning environment for the students.

2.4   Teacher Quality

2.4.1   Faculty qualification and recruitment process

Table 2-2: Faculty Qualification Profile

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	*M	*F	*M	*F	*M	*F	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	-	-	4	15	5	9	33
M.Phil.	-	-	-	1	3	3	7
PG	-	-	-	-	2	4	6
Temporary teachers							
Ph.D.	-	-	-	-	1	9	10
M.Phil.	-	-	-	-	3	4	7
PG	-	-	-	-	14	24	38
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

Faculty Recruitment Process

- There are three broad categories, namely Permanent, Ad-hoc and Guest, under which faculty members are recruited in college.

- The Workload Committee of the college calculates the number of teaching posts in each programme running under various departments. The recommendations are initially approved by the Governing Body of the college and then sent to the Directorate of Higher Education (DHE) for further approval.

- After all mandatory approvals, the College advertises the posts in relevant categories, namely, Gen, SC, ST, OBC, PH (as per Roster) in leading National newspapers and College website.

- The applications received are scrutinized and a merit list of eligible candidates is formed as per University guidelines. Information regarding dates and time of interviews is sent to these candidates and displayed on the University and College website as well.

- In case of permanent appointments, a Selection Committee comprising the Chairperson of the GB, the Principal, the Head of the concerned department at the University, Subject Experts, Observers, University Officials, conducts the interviews and forms a panel of candidates on the basis of merit. These candidates are offered appointments as per the prepared panel.

- For ad-hoc appointments, a walk in interview is conducted of only those candidates whose names appear in the ad-hoc panel formed by the concerned departments at the University level. Information regarding dates and time of interviews is displayed on the University and College website. The Selection Committee comprising the Principal, the Teacher in Charge of the concerned department (Coordinator of the concerned programme in case there is no department in the college), a Subject Expert and an Observer, conducts the interviews and forms a panel of candidates on the basis of merit. These candidates are offered appointments on the basis of the decision of the panel.

- For guest appointments, either the candidates from the panel formed during ad-hoc interviews or permanent faculty members appointed in other colleges of University of Delhi are approached. This is to ensure that the guest faculty member has gone through the formal interview process. If the post still remains vacant, the procedure for ad-hoc appointment is followed and the recruitment of guest faculty is done.

2.4.2 **Role of the College to cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern and emerging areas of study being introduced, details on the efforts made by the College in this direction and the outcome during the last three years**

The college offers numerous fundamental and vocational courses thereby addressing the challenge of growing demand of interdisciplinary, technical and professionally oriented curriculum.

- The faculty keeps itself up to date by attending Refresher and Orientation courses, Workshops, Seminars and Conferences.

- A number of external academic/professional experts have been invited in past from interdisciplinary fields to interact with the faculty and students.

- Workload is calculated for every semester. And new recruitments on permanent/ad-hoc/guest basis are made keeping in view the changing requirements according to the applicable rules and regulations.

2.4.3 **Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the College in enhancing the teacher quality**

a) Nomination to staff development programmes during last 4 years

Academic Staff Development Programmes	Number of faculty Nominated
Refresher courses	17
Orientation programmes	16
Staff training conducted by the university	24
Staff training conducted by other institutions	13
Summer / winter schools, workshops, etc.	2

b) Faculty Training programmes organized by the institution: **Nil**

c) Percentage of faculty

- invited as resource persons in Workshops/ Seminars/ Conferences organized by external professional agencies: **13%**

- participated in external Workshops/ Seminars/ Conferences recognized by national/ international professional bodies: **26%**

- presented papers in Workshops/ Seminars/ Conferences conducted or recognized by professional agencies: **28%**

2.4.4 **Institutional policies/ systems to support teachers in research**

The faculty forms the knowledge repository in any educational institution. The faculty members must be provided with a conducive environment to enrich their existing knowledge and grow both academically and professionally. The

continuous involvement in research enhances teaching and helps the faculty to keep pace with the recent developments in the various fields.

- Keshav Mahavidyalaya encourages teachers to participate in National and International Conferences, Seminars and FDPs such as various Refresher training programmes and Orientation courses.

- The faculty members are also provided grants by University of Delhi as well as funding agencies like UGC, DST, etc. to participate in National/ International Conferences.

- They are also entitled to pursue higher degrees by availing Study Leave as per University of Delhi rules.

- There is a provision for Deputation Leave for the teachers if they get offer to move on deputation to other institutions as per University of Delhi rules.

2.4.5 Details of faculty who received awards / recognition for excellence in teaching during the last four years

Keshav Mahavidyalaya is one of the youngest colleges of University of Delhi, yet the College has carved a niche for itself. It is recognized for its highly qualified faculty and academic performance of the students. It is evident from the 103 university positions that the students have secured till date. The faculty with the support and encouragement from the College continuously strive to achieve greater heights in research. The college extends complete support and freedom to the faculty to make full use of college infrastructure and the teaching aids to develop innovative teaching pedagogy.

2.4.6 Teachers' evaluation by the students and external Peers

- Although no formal system of feedback from the students had been in place till now, yet at informal and personal level, the students are encouraged to give their critique regarding the quality of teaching, equipment in labs and other facilities available in the college necessary for effective learning.

- The students are free to drop in their grievances in writing to the Grievance Committee or verbally to the teachers in charge and/or through email/personal meeting with the Principal. The feedback received is taken in a positive light and utilized to improve upon the quality of teaching and other facilities.

- The College has recently formed its IQAC which is in the process of forming the formal feedback mechanism.

2.5 Evaluation Process and Reforms

2.5.1 The evaluation process information

- The evaluation process carried out by the College is strictly as per norms of the University of Delhi which ensures transparency at all levels.

- The information regarding examination, attendance, evaluation and internal assessment is regularly updated on the College and/or University websites for the benefit of students as well as faculty.

- Internal assessment marks of all papers in respective courses scored by every student are displayed on student notice boards.

- A course wise schedule is prepared for taking signatures of concerned students on the consolidated IA. This schedule is displayed on the notice boards.

- The internal assessment related grievances (if any) of students are also addressed on the same day.

2.5.2 Evaluation reforms

Since the institution is the constituent college of the University of Delhi, all the evaluation reforms of the University have been adopted.

- A system of Internal Assessment (IA) was introduced by the University. The marks of a theory paper are calculated on the basis of IA that carries 25% weight and the theory exam that weighs 75% of the total marks.

- An evaluation schedule for all theory papers as received from the University is made available to the concerned teachers well in advance. The same is present on the University website as well.

- The University has formed subject specific centralized evaluation centers in different colleges for the evaluation of theory papers. Keshav Mahavidyalaya is running Evaluation Centers for Physics and Computer Science for the past seven and four years respectively.

2.5.3 Effective implementation of the evaluation reforms

The college ensures effective implementation of evaluation reforms by strictly following the deadlines mentioned in the Academic Calendar.

- At the commencement of the academic session, the teachers are provided with guidelines on how to calculate internal assessment.

- The details of teachers and the papers being taught by them is sent to the University so that the list of examiners may be prepared by the University and examination/evaluation work may be assigned to them accordingly.

In addition, committees such as Internal Assessment Committee, Moderation Committee at the department level and Central Moderation Committee are formulated to monitor the effective implementation of evaluation reforms.

2.5.4 Details on the formative and summative assessment approaches adopted to measure student achievement

The formative and summative assessment approaches have been adopted as per the guidelines given by the University of Delhi.

- The internal assessment of a student comprises both of these approaches. IA carries 25% weight of total marks scored by a student. The students are

assessed on the basis of three components - assignments/ projects/ presentations (10%), tests (10%) and attendance (5%).

- The assessment is carried out in various formats like evaluation of assignments, tests, multiple choice tests, projects and power point presentations. Student feedback is obtained from the students during face to face interaction on a regular basis.

- Students are also encouraged to open up their minds to their teachers. The feedback is analyzed by the faculty members to work upon and provide solutions to the problems of the students.

- Different academic aspects are discussed regularly at the departmental and staff council meetings to maintain the high academic standard of the College.

Formative Assessment:

- Background knowledge is probed before start of a new topic.

- Timely pop quizzes keep the students on their feet and attentive in the classroom.

- Students are encouraged to solve questions on the blackboard which helps them to overcome fear of facing an audience while at the same time boosting decorum of the class.

- Short answer or analytical True/ False questionnaire follows at the end of the class. Knowledge sharing and learning from each other is encouraged to gain deeper understanding.

- Original and creative thinkers are encouraged even when the answers may not be completely correct.

- Students are given 'silent thinking breaks' for easier questions and 'small group discussion breaks' for debating solutions to more difficult problems.

- In case most students fail to deliver correct answers to probe questionnaire at the end of the topic, the material is re-explained with a different approach, focusing on the aspects students seem to have missed.

Summative Assessment:

- Class tests are conducted during the session. Students on a majority have a rising performance curve over subsequent tests, showing they have learnt from their mistakes in the previous instances.

- Students are asked to prepare verbal presentations, either of PowerPoint nature or teaching a topic using blackboard/whiteboard.

- The students are guided through different stages. The first stage is to help them articulate and list their aims and objectives. This is followed by writing out of a proposal. Stage two uses appropriate methodology and a mid- semester presentation is made in which hands-on experiences are shared and some analysis is presented. In final stage presentation and written report is submitted.

- The projects assigned are executed in groups of at least five students. Project topics are taken from the syllabus; however the students have the flexibility to design their own projects in coordination with the teacher/mentor.

- At other times, students are asked to submit written assignments on course material and answer oral questions related to these.

- A checklist is maintained for practical work from the beginning of session, the students who are more regular and independent in completing the programs benefit by getting better marks as well.

Assessment is mindful of the writing, listening and speaking skills which are evident through submissions, class presentations and face-to-face "speaking" assessment. The end-semester written examination assesses the writing and reading ability through a range of unfamiliar texts.

2.5.5 Mechanism to ensure rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students

The internal assessment is done strictly as per the University guidelines. It includes attendance, performance in assignments/projects/presentations and tests.

- Attendance is uploaded at the end of every month on the College website and students can check their attendance easily. This measure helps them to keep track of how they are going to score in the final assessment.

- Evaluated answer scripts are made available to the students to make them aware about their marks as well as to their mistakes.

- At the end of the term, the final assessment in individual papers is shown to the students personally by the teachers. Once the students are satisfied, the data is uploaded on College website to ensure transparency.

- Students are assessed in an utmost fair manner free from all personal biases. No weightage is given for behavioral aspects; however students are evaluated on the basis of characteristics like level of understanding, regularity in class and communication skills.

2.5.6 Mechanism to ensure the attainment of graduate attributes specified by the college/ affiliating university

As an educational institution, Keshav Mahavidyalaya strives towards imparting holistic education to all its students. It firmly believes in the principle of inclusion and equal opportunity for all. The graduate attributes of the college are- to nurture its students into global citizens who can meet the demands of the market and at the same time stand up to the expectations of the society. The college has employed all mechanisms to meet its objectives.

- It possesses an excellent infrastructure including a well stacked Library, well equipped Laboratories, acoustically designed Auditorium,

commodious Amphitheater and a sizable playground to match the needs and ensure overall personality developments of its students.

- Committed faculty members guide the students to realize their objectives and help them achieve their goals.

- Analysis of feedback and results is one of the measures adopted to address the curriculum related problems of the students.

- Curricular activities like project making, delivering presentations, group discussions enhance the communication and interpersonal skills of the students.

- Working on research projects orient the students to realize the importance of exploration and innovative thinking.

- Opportunities to organize and participate in co-curricular, extracurricular and cultural events let the students hone their entrepreneurial skills and inculcate leadership and team spirit in them.

- College Administration and empowerment bodies like Equal Opportunity Cell, Women Development Cell, Counseling Cell, Grievance Cell, etc. assist the students overcome their anxieties that often surface while they move on their way to achieve their objectives.

2.5.7 Mechanisms for redressal of grievances with reference to evaluation, both at the college and University level

At the College level grievances with respect to Internal Assessment are considered in the following manner.

- The answer scripts are shown and discussed with the students to their satisfaction.

- The final IA marks are reviewed by Departmental and Central Moderation committees.

- The marks are sent to the University after verification by the students.

- At the University level, there is provision for applying for re-totaling/ re-evaluation of theory papers.

2.6 Student Performance and Learning Outcomes

2.6.1 Learning outcome statement

The course structure and its curriculum are designed at University level albeit with concrete inputs from the senior faculty teaching in various colleges. The courses are designed with an inherent focus on developing a firm theoretical knowledge base for students that has projections for application oriented practices also.

- The science courses aim at inculcating scientific temperament among students and provide technology based literacy that opens avenues for students in the longer run.

- Courses in the fields of commerce and management impart entrepreneurial skills to the students.

- The students of commerce society under social entrepreneurship conducted classes for self-deprived students to help make them self-reliant.

- Faculty continuously strives towards accomplishing the objectives of the course. They are regularly invited to attend meetings held for curriculum designing by the University. This helps them understand and define the learning outcomes of the papers to be taught. The same is communicated to the students in a tacit way through discourses during lectures and interaction in practical classes.

- Faculty members undergo various Faculty Development and Orientation Programmes. They also participate in National and International Conferences and Seminars to enhance their knowledge about advancements in various topics. The seminars and workshops are also conducted in college to help students understand the subject better and go in pace with the changing times

2.6.2 Monitoring and communicating the progress and performance of students, and course wise analysis of students' result of last four years

The faculty members assess the performance of the students on the basis of their regularity, attentiveness and inquisitiveness in theory and lab classes. The tests and viva are conducted at regular intervals to monitor the progress of each student in the class.

On a formal basis, IQAC has formulated the following guidelines to monitor the progress and performance of the students.

- **Curriculum** – Since college has to follow the syllabus prescribed by the University yet the college can improvise by including innovative projects, assignments, case studies and practicals.

- **Teaching, Learning and Evaluation** – Instruction plan/Teaching plan may be provided to the students. Course handout may be given to the students. Internal Assessment should be seen and signed by the students. Assignment Patterns may be defined

Following is presented a course wise detailed analysis of students' result of last four years.

Table 2-3: Course wise Distinctions, Divisions, ER and Fail count of students during 2010-11 to 2013-14

Course	Academic Year	Total Appeared (Final Year)	Dist.	I Div.	II Div.	ER	Fail
BBS	2010-11	20	1	16	4	0	0
	2011-12	29	8	13	7	1	0
	2012-13	35	9	22	3	1	0
	2013-14	37	6	22	3	6	0

	2010-11	20	1	16	4	0	0
B.Com.(H)	2011-12	91	8	55	23	0	0
	2012-13	114	22	63	15	3	0
	2013-14	100	16	63	3	18	0
B.Sc.(H) Elect.	2010-11	20	1	16	4	0	0
	2011-12	33	2	21	6	4	0
	2012-13	30	8	9	0	13	0
	2013-14	35	9	17	0	9	0
B.Sc.(H) Comp. Sc.	2010-11	20	1	16	4	0	0
	2011-12	83	5	55	20	3	0
	2012-13	72	24	37	8	3	0
	2013-14	68	26	34	4	4	0
B.A.(H) Psyc.	2010-11	20	1	16	4	0	0
	2011-12	36	0	8	22	4	0
	2012-13	22	0	10	7	3	0
	2013-14	33	3	18	5	3	0
B.Sc.(H) Phy.	2010-11	20	1	16	4	0	0
	2011-12	32	3	23	6	0	0
	2012-13	54	6	18	0	30	0
	2013-14	37	13	9	0	15	0
B.Sc.(H) Math	2010-11	20	1	16	4	0	0
	2011-12	32	0	15	16	1	0
	2012-13	61	7	34	17	0	0
	2013-14	37	18	11	0	8	0
B.Sc. Physical Sc.	2010-11	20	1	16	4	0	0
	2011-12	30	0	6	10	11	0
	2012-13	19	0	9	0	10	0
	2013-14	30	4	13	3	10	0
B.Sc.(G) Math Sc.	2010-11	20	1	16	4	0	0
	2011-12	26	0	16	5	3	0
	2012-13	32	3	13	12	3	0
	2013-14	40	10	14	0	16	0
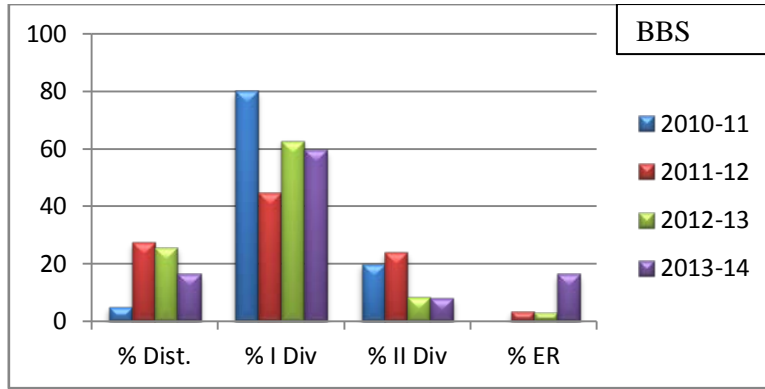
Figure 2-47: BBS Students' result analysis of last four years
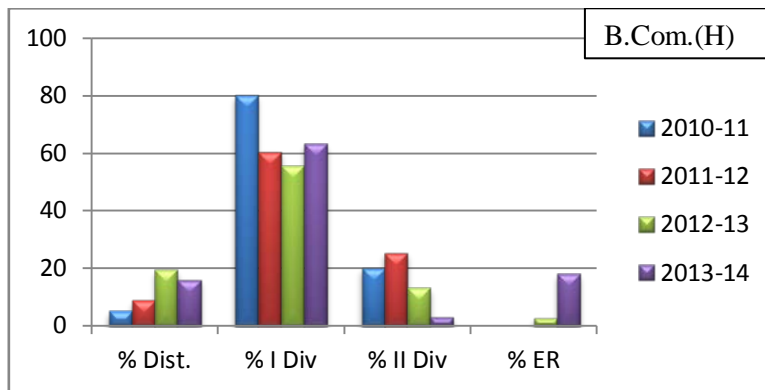
Figure 2-48: B.Com.(H) Students' result analysis of last four years
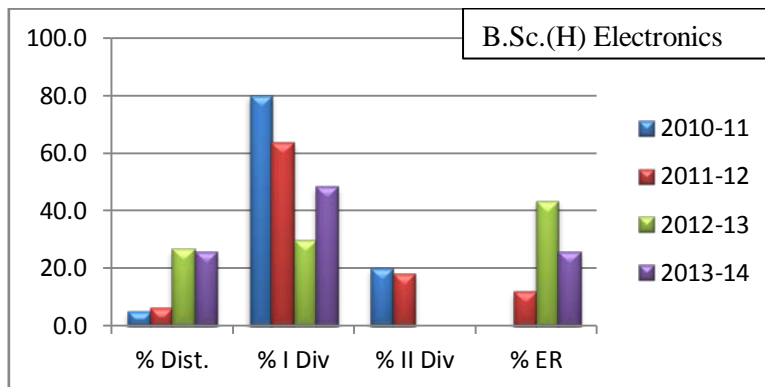
Figure 2-49: B.Sc. (H) Electronics Students' result analysis of last four years
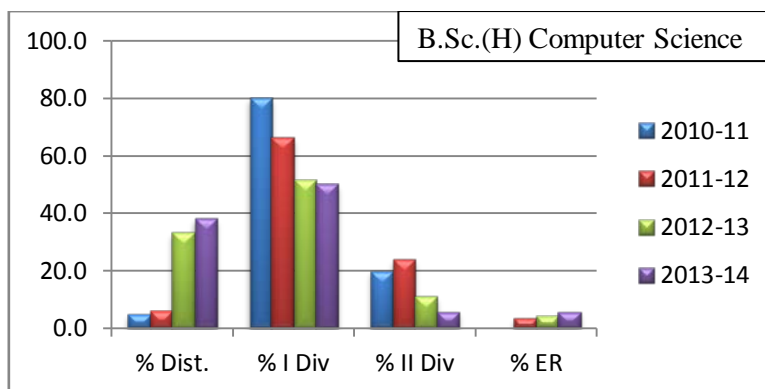
Figure 2-50: B.Sc. (H) Comp. Sc. Students' result analysis of last four years
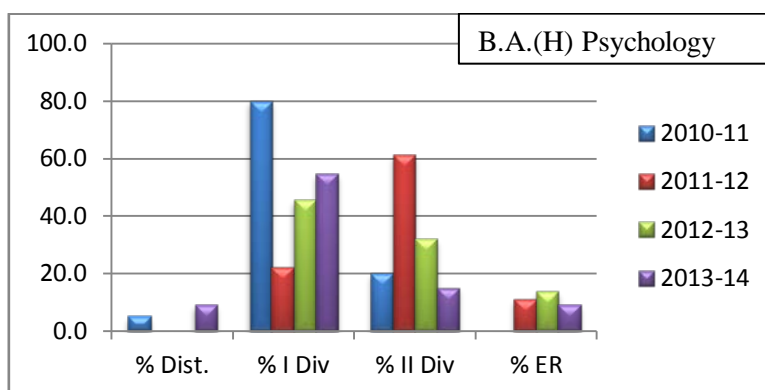
Figure 2-51: B.A. (H) Psychology Students' result analysis of last four years
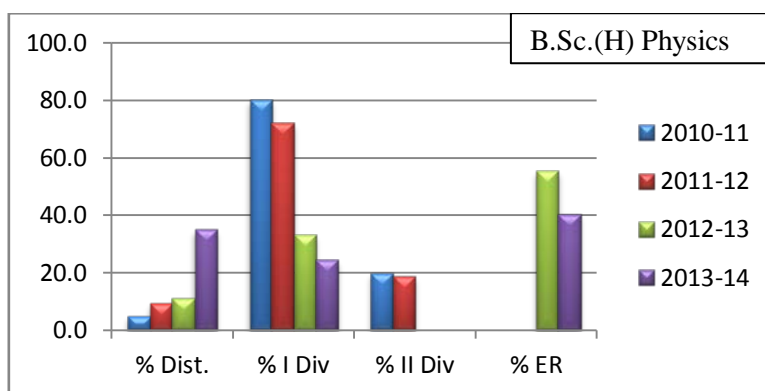
Figure 2-52: B.Sc. (H) Physics Students' result analysis of last four years
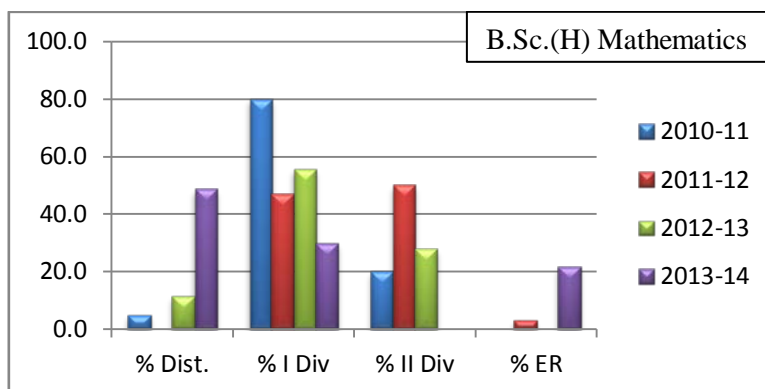
Figure 2-53: B.Sc. (H) Mathematics Students' result analysis of last four years
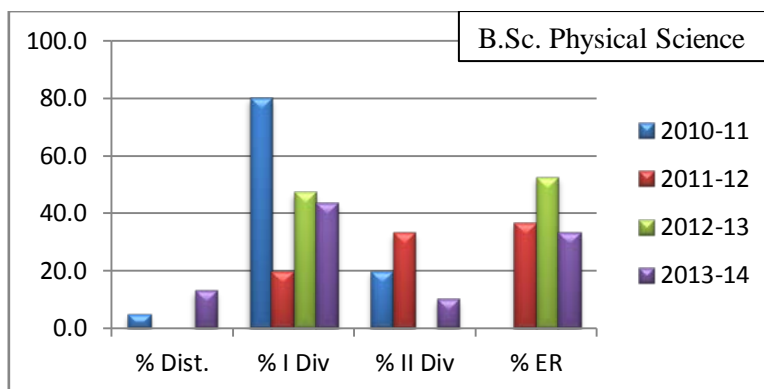
Figure 2-54: B.Sc. Physical Science Students' result analysis of last four years
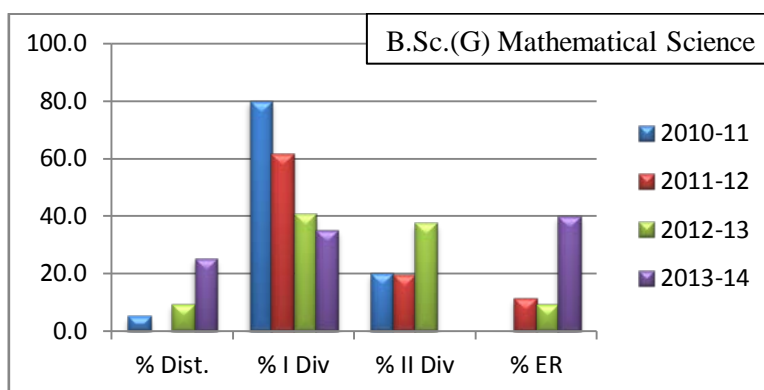
Figure 2-55: B.Sc.(G) Math. Sc. Students' result analysis of last four years

Keshav Mahavidyalaya is one of the best off campus colleges. The pattern of results reflects that the college has been steadily improving upon its results. Number of distinctions has increased over the years. However there is an increase in Essential Repeats (ERs) also. We could attribute this to the following reasons after analyzing the results.

- University of Delhi is undergoing various admissions and examination reforms:
  * Policies for admissions have been modified to include students from more diverse sections of society.
  * The student teacher ratio has increased.
  * Continuous change in course structures has its implications on results. Courses have become more relevant on international platform but a continuous change in the pattern of theory exams has resulted increase in ERs.
- The college is not situated in main campus and not offering professional courses.
- The cut-off percentage of the colleges situated in main campus is higher than those situated in off campus areas.
- The demand of professional courses has increased over the years and traditional courses are finding it difficult to retain their charm.

- Offering a hostel is an opportunity and a challenge. The college is now able to attract more talented students from other states than before, but for all the students who join in, English is not their first language.

2.6.3 Role of teaching, learning and assessment strategies to achieve intended learning outcomes

For the achievement of the intended learning outcomes, various facilities are provided to the learners of the College.

- Students are provided with excellent library facilities, internet facility etc.

- The teaching learning process is also student centered which helps in meeting the goals of the teaching learning process.

- Teachers make use of participative learning methods, ICT and mentoring of students for achievements of the intended learning outcomes.

- Continuous feedback regarding the learning further makes way for area of improvement.

- Proper assignments and test are also taken to evaluate students.

- Students also showcase the outcome in the form of presentations, projects report based on the data collected/information gained during the course of learning.

- Along with the internal examinations for the students, the faculty focuses on the performances of the students in classroom debates, group discussions and presentations and evaluates them in these events as well.

- The support if needed is provided to the students to improve their caliber in the respective subject. It enhances the confidence of students and prepares them to face the final examinations without getting nervous.

2.6.4 Initiatives to enhance the social and economic relevance of the courses

The college and its faculty members are instrumental in enhancing social and economic relevance of the courses offered and propagating the same among students. By the combined efforts and motivation of both, the students become more responsible and aware about the socio-economic conditions of the surroundings.

- The college actively supports and facilitates entrepreneurial ventures by its students who dream to make it big by starting small. Seminars, workshops by Entrepreneurs in various fields have been organized to propel the students in becoming independent and self-sufficient in the longer run.

- The students are encouraged to come forward as event coordinators, organizers and volunteers for organizing cultural and academic festivals annually and other periodic events. The students are required to prepare formal proposals, brochures and seek out sponsorship from various organizations, corporate houses and retailers for these events. The money is used for prizes and other expenses incurred for holding the festival. This activity gives them a practical exposure to the realities of marketing and

business world making them effective communicators, negotiators and organizers.

- Students take part in various internship programs. Values of team work and researching is also inculcated amongst them.

- Extension activities like sending relief to the victims of natural calamities, whenever required, and organizing blood donation camps, clothes collection drives and awareness programmes frequently help students grow into responsible citizens.

- Students are also encouraged and guided to participate in research activities.

- Apart from this various educational trips are also conducted to give them an insight of the topics. This has benefitted them to understand the real world scenario and imbibe the qualities of a researcher.

- Many students enrolled and attended the Massive Open Online Course Program (MOOC) conducted by University of Delhi.

- A number of students have started their own successful ventures while still in college or immediately on passing out.

2.6.5 Assessment of student performance and learning outcomes

On a formative level, the students are assessed on the basis of their regularity, attentiveness and inquisitiveness in theory and lab classes.

The students who are lacking on these parameters are counseled regularly by the respective teachers so that the students feel comfortable and come out with their problems. The personal issues are dealt with individual teachers and the administrative issues, if any, are communicated to the administration for further action.

On a summative level, tests and viva are conducted at regular intervals to monitor the progress of each student in the class. Tests, assignments and project presentations form the part of internal assessment. External examiners are appointed for evaluating their performance in Practical Examinations.

The results of the students are analyzed to get an insight into the students' as well as teachers' performance. The problem areas are chalked out and teachers put in their best efforts to address them while teaching.

The feedback given by the companies visiting the college for student placements is another parameter to judge the learning outcomes of a course.

The institute utilizes the feedback thus gathered to improve upon the teaching methodologies so that students are better prepared for facing the challenges of the market.

2.6.6 Monitoring and ensuring the achievement of learning outcomes

The College monitors and ensures the achievement of learning outcomes through University exams, assignments, presentations and projects.

Analysis of results is done by individual faculty members and discussed in departmental meetings.

The number of students placed every year through Central Placement cell also indicates the achievements of the learning outcomes

2.6.7 Use of assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning

Achievement of learning objectives is one of the major goals of any educational institution. Keshav Mahavidyalaya continuously strives towards achieving this goal through assessments and evaluation of students. The outcome of evaluation is utilized to improve upon the performance of not only students but faculty also.

- The marks obtained by students in tests, assignments, viva and project presentations reflect the level of understanding of a student in respective subjects.

- The attendance component reflects the regularity of the student in attending classes.

- Attaining soft skills is as important for a learner as scoring high in academics for overall personality development. Taking initiative in organizing co-curricular and cultural events in the college is one of the parameters to adjudge the ability of a student to be an entrepreneur.

- The faculty members take cue from the collective performance of students and make their best efforts to improve upon their teaching methodologies and adopt suitable pedagogies.

CRITERION III: Research, Consultancy and Extension

3.1 Promotion of Research

3.1.1 Research center

College being an undergraduate institution, the main focus is on following the curriculum as prescribed by the University of Delhi. However, the College always encourages faculty as well as students to actively participate in research related activities. As of now no recognized research center has been instituted in the College. Four of our faculty members are currently supervising PhD students and thirteen faculty members along with forty students have completed four innovation projects as part of research grant received from University of Delhi.

3.1.2 Details of the research committee to monitor and address the issues of research

The newly formed IQAC committee of the College would look into formulating the plans for addressing the issues related to research and in recent time may constitute a research committee. At present, the College has no such committee. However, the College grants/distributes ₹ 15,000.00 per annum through a temporarily formed committee. The amount is distributed to reimburse conference registration fees fully or partly, thereby encouraging faculty members to attend conferences and also present papers or for attending Refresher/Orientation Courses.

3.1.3 The measures taken by the College to facilitate smooth progress and implementation of research schemes/ projects

The College extends its full support to facilitate smooth progress and implementation of research schemes/ projects.

- The College motivates its faculty members to actively participate in research related activities and inculcate the aptitude of research in students as well.

- Following this ideology College has always extended its cooperation and help to all the project investigators to carry out the research projects independently and without any interference.

- As the College is Wi-Fi enabled so faculty members can download the study material (popular journals, magazines, periodicals as subscribed by Delhi University) required for their research.

- The innovation projects (KMV-101-201-202-203) were awarded to the College by the University of Delhi. The College ensured full autonomy to the principal investigators to take decisions about distribution of funds. The sanctioned grant is utilized only according to budgetary heads under which the amount is allocated. The College provides the information regarding the resources to the concerned faculty as soon as it is sanctioned by funding authorities.

- Responsibility of the final submission of the utilization certificate lies with Principal Investigator (PI) of the project.

- The PI prepares the statement of expenditure and utilization certificate of every project as per the guidelines and the time schedule prescribed by the funding agency which is further verified by the accounts office of the College.

- The College always encourages the faculty to achieve higher qualifications (PhD, Post Doctorate, M.Phil. etc.) for which they are provided leaves as per the University of Delhi rules.

- The College provides leave such as study leave and academic leave/ special casual to the faculty, as per University guidelines to facilitate smooth progress and implementation of research.

- Provision for study leaves enables the faculty to give an undivided attention to their research work, thus performing good quality research and is a great motivation towards imbibing research culture in campus. The facility of such leave has induced faculty towards higher education.

- In addition to that College has recently received a circular from Registrar dated 11 October 2013 via notification no. Estab. (T)/V/VI/045/2013 regarding the provision of sabbatical leaves to faculty.

- The research aptitude, the knowledge and the experience which is gained during the research tenure helped a lot to improve teaching and the way of imparting knowledge to the students.

- The details of the study leave for pursuing PhD degree granted by the College during the last four years for academic purposes include the following.

Table 3-1: Grant of Study Leave to persue PhD during Last Four Years

Study Leave granted during academic year	Faculty Name	Department
2011-2012	Dr. Shalini Kumar	Commerce
	Dr. Jyoti Anand	Electronics
	Dr. Roli Bansal	Computer Science
	Dr. Richa Sharma	Computer Science
	Dr. Anjali Thukral	Computer Science
	Dr. Bhavna Gupta	Computer Science
2012-2013	Dr. Richa Sharma	Computer Science
	Dr. Rajni Mendiratta	Mathematics
	Dr. Roli Bansal	Computer Science
	Dr. Jyoti Anand	Electronics
	Dr. Anjali Thukral	Computer Science
	Dr. Bhavna Gupta	Computer Science
2013-2014	Ms. Vinita Jindal	Computer Science

Dr. Bhavna Gupta	Computer Science
Ms. Manjari Singh	English
Dr. Rajni Mendiratta	Mathematics
Mr. Subodh Pandit	Business Studies
Mr. Subodh Pandit	Business Studies
Ms. Manjari Singh	English
Ms. Vinita Jindal	Computer Science

3.1.4 Efforts made by the College in developing scientific temper and research culture and aptitude among students

- The faculty members, who are actively involved in research activities, generally try to involve maximum number of students in the research activities   organized by the College and the University.

- The Library of Keshav Mahavidyalaya is connected to the Central University Library for access to the online journals subscribed by the University. In library there is a separate Internet Lab for Students.

- College Library remains open during vacations also (i.e. Summer Vacations as well as winter vacations) so that the research activities will not be disturbed.

- Computers are reserved for students and faculty for internet access and research work so that the concept of self-learning can be materialized and research activities could be carried out in a pleasant atmosphere.

- Easy access to the information about current research areas has cultivated a research aptitude amongst the students.

- After empowering them with basic knowledge, the College constantly encourages the students to enhance their thinking abilities which enable them to practically implement whatever is taught to them during the classroom lectures.

- Instead of restricting the classroom discussions to the curriculum the teachers occasionally engage students in discussions on latest technologies, encouraging them to publish their articles and thoughts in the College magazine.

- Poster-presentation, Essay and Quiz competition are organized on regular basis in each department.

- In the final semester of many undergraduate courses, the students are required to undertake a short term research project on a subject of their choice, under the mentorship of a faculty member and present their findings via presentation and viva given at their respective departments.

3.1.5 **The role and details of the faculty involved in active research**

Many faculty members are actively involved in research and few are supervising PhD students. Following faculty members have guided PhD students in the last 4 years.

Table 3-2: Faculty Members involved in PhD Supervision

Faculty Name	Department	No. of Students Guided
Dr. V. K. Sharma	Electronics	3
Dr. Priti Sehgal	Computer Science	3
Dr. J. K. Anand	Electronics	1
Dr. Dimpy Mahanta	Psychology	1
Dr. Harpreet Bhatia	Psychology	3

Table 3-3 lists the innovation research projects which have been awarded to the College and are funded by the University of Delhi during the last 4 years.

Table 3-3: Innovation Research Projects awarded to the College during Last Four Years

Project code	Project Title	Project Team
KM-101	Design and development of a low cost computerized laser Raman spectrometer indigenously for DU student laboratories	Dr. Ajay Arora (Physics) Dr. Priti Sehgal (Computer Science) Dr. Divya Haridas (Physics) and ten students
KM-201	Factors that determine the shopping behavior of customers of Big Shopping Retail Outlets and Small Neighborhood 'Kirana' shops - A statistical survey of customer behavior of shopping in Delhi and NCR	Dr. Vipin Negi (Commerce) Dr. Pardeep Kumar (Commerce) Ms. Sonu Mehta (Business Studies) and Ten students.
KM-202	To develop an early warning system for Quality deterioration of ground water and its purification	Dr. Mukesh (Chemistry) Dr. Dhanpal Singh (Mathematics) Mr. Ravi Kumar Yadav (Computer Science) Dr. Madhu Pruthi (The Principal) and ten students
KM-203	Optimism and Psychological Wellbeing as Correlates of Coping: Enhancing Coping in Elderly	Dr Harpreet Bhatia & Dr Daisy (Dept of Psychology) Dr Amanjot (Dept of Business Studies) and ten students

- Many faculty members are involved in research related activities. Details of few are given below. (For detailed information refer section 3.4.3

Ms. Neha Nainwal

Associated with the PG E-Pathshala project (a project initiated by HRD of Govt. of India and UGC) as a content writer for a paper titled Indian Economy, International Financial Management and Managerial Economics.

Dr. Harpreet Bhatia

Presently working on two projects related to Sexual Orientation and, Body Image and Self-Concept. Research projects which are a part of the curriculum, conducted under her supervision in the last four years are:

- Self-concept and Emotional Intelligence among the Institutionalized Children from Delhi and Assam

- Post-retirement Working as a Dimension of Positivity: A Comparative study between Rural and Urban Elderly

- Personality Traits and Attachment Styles: A Comparative Study of Individuals with and without Suicide Ideation

- Impact on Caregivers of Alzheimer's Patients: An Exploratory Study

- Intergenerational Relationships: Impact on Attachment and Adjustment of Adolescents

- Social Competence and Wellbeing among Children with and without Learning Disabilities: A Comparative Study

- Self-Efficacy and Anxiety as a function of Locus of Control: An Exploratory Study across Age and Gender

Dr. Vandana Chopra

The following list gives details about her current involvement in research

- Content Writer for Psychometry modules of e-pathshala.

- Individual Research Project: "Career choice and Career awareness in DU students (Presently involved in data collection)".

Ms. Kangan Jain

- For the E-PG Pathshala (Initiative of the MHRD), she worked as a content writer for the following modules:

   1. Bhasin, N., **Jain, K.** (2014). E-Module on Issues and Complexities in International Business

   2. Singh A.K., **Jain, K.** (2014). E-Module on Management of Change

   3. Bhasin, N., **Jain, K.** (2014). E-Module on Introduction to International Business

   4. Bhasin, N., **Jain, K.** (2014). E-Module on Balance of Payments- Part I, Part II

3.1.6 Details of workshops, training programmes or sensitization programmes conducted or organized by the College

The College organises workshops/ seminars/ talks from time to time which not only gave an insight to recent research trends but also focuses on the overall development of the students. The details are given as follows:

Table 3-4: List of Academic Seminars/ Workshops/ talks for Last Four Years

S.No.	Date of Events	Academic Seminars/ Workshops/ talks
1.	8th April 2015	Department of Physics organized a talk on 'Dark Universe and repulsive gravity', given by Prof. Patrik Dasgupta (Prof. at Department of Physics & Astrophysics, University of Delhi)
2.	30th March 2015	NSS unit Keshav Mahavidyalaya organized a seminar on "*Responsible Sexual Behaviour*" in collaboration with Delhi Police.
3.	24th March 2015	Department of Psychology organized two talks, one on 'Indian Psychology' given by Dr. Suneet Verma and another on "Relationships" given by Dr. Muzammil Karim
4.	9th March 2015	Department of Electronics organized a talk on "Graphene & Solar Cells", given by Emeritus Prof. R.M.Mehra (Prof, Sharda University)
5.	23rd February 2015	Department of Business Studies organized a talk on 'Pre-paid instruments that form an important part of RBI's vision of less-cash/less paper society' given by Mr. Manish Raina, Sr. Consultant with Management Consulting practice of KPMG
6.	10th February 2015	Department of Computer Science organized a talk on ' Information Security', given by Dr. S.K. Muttoo, Head, Dept. of Computer Science, University of Delhi
7.	23rd January 2015	Department of Business Studies conducted a leadership session by Prof. S K Ghosh, Management, HR & Training Consultant & Accredited Master Trainer.
8.	23rd January 2015	Department of Business Studies organized a talk on ' Placement Procedures', given by Mr. Aditya Kumar, Capital IQ
9.	31st October 2014	Department of Business Studies conducted a session on Entrepreneurship by Mr. Tarun Pandey from Pearl Academy.
10.	31st October 2014	Department of Business Studies conducted a session on Stock Market by Ms. Nivya Nair and Mr. Kunal Tyagi from Stock Exchange.
11.	5th September 2014	Department of Business Studies conducted a session on 'Corporate Leadership and Motivation' by Mr. Praveen Narang, renowned motivational speaker and a professional life skills trainer.
12.	14th October 2014	C.E.O 2014 (a counseling seminar and inter-school event)
13.	7th March 2014	Department of Physics organized a talk on '*Frontiers in Nuclear Physics*' by Prof. Brajesh Chandra Choudhary (Prof. at Department of Physics & Astrophysics, University of Delhi)
14.	06th March 2014	Department of Computer Science organised an academic seminar. A talk on '*Creating Android Apps*' was given by Mr. Rohit Gambhir (Senior Software Engineer, QA Infotech)
15.	20th February 2014	Cognizance 2014: The Convention on the theme '*TRANSFORMING ORGANIZATIONS: Role of Gender, Diversity, Leadership and Technology*'.
16.	29th October 2013	C.E.O 2013 (a counseling seminar and inter-school event)
17.	3rd October 2013	Department of Mathematics oraganised a talk on '*Cryptography*' by Dr. Somitra Kumar Sandhya
18.	13th August	Department of Mathematics oraganised a '*Mathematical talk with*

	2013	*Musical performance*' by Dr. Sudeshna Basu.
19.	22nd March 2013	The Department of Commerce organized seminar on *'Career development'* by Prof. Shirin Rathore
20.	9th November 2012	Department of Commerce organised an academic seminar. A talk on *'Sub Prime Crisis in U.S.A.'* was given by Prof. K.V. Bhanumuthy
21.	16th October 2012	One day workshop on *VFX, Animation, Digital Arts and Film Making* conducted by DQ School of Visual Arts
22.	7th September 2012	Workshop on *'Motivation and Personality Grooming'* by Mr. Suneel Keshvani, Consultant, Trainer, Possiblers
23.	27th February 2012	Industrial Visit to Halonix Ltd.
24.	3rd February 2012	Department of Computer Science organised an academic seminar. A talk on *'Evolution of Wireless -Connected World'* was given by Mr. Alok Wadera (AVP, Aricent)
25.	20th October 2011 (2011-12)	Department of Computer Science organised an academic seminar. A talk on **'***Wireless Networks*' was given by Mr. Aashish Chugh (Sr. Technical Lead, CISCO Systems)
26.	17th October 2011	C.E.O 2011 (a counseling seminar and inter-school event)
27.	17th March 2011	Department of Computer Science organised an academic seminar. A talk on *'Design Patterns'* was given by Mr. Sandeep Jain (Software Engineer, Adobe Systems)
28.	2010-11	Guest talk by Ms. Roli and Ms. Shilpi Prasad from Study Overseas on *'Study Options abroad for pursuing their post-graduation from various universities'*
29.	2010-11	Guest talk by Mr. Atul K. Gupta, Chairman, Northern Region, ICAI on *'Indian Economic Scene and Role of Corporate Governance in Indian Organizations'*.

3.1.7 Details of prioritized research areas and the expertise available with the College

Every department has its expertise in diverse research areas. A summary of the same is given below:

Table 3-5: Department wise Prioritized Research Areas

Department	Prioritized Research Areas
Business Studies	Finance, Marketing, and Human Resource
Commerce	Finance, marketing and advertising
Computer Science	Information Retrieval, Semantic Web Technologies, Multi Agent Systems, eLearning, Computer graphics, Image Processing, Biometrics, Computer Vision and Image Retrieval, Adaptive Content Sequencing, Social Opinion Modeling, Knowledge Management, Collaborative Learning, Human-Computer Interaction, Intelligent Information Systems and Multi-agent Systems.
Electronics	Optoelectronics, Integrated Optics, Solar Cells and Bio Sensors.

Mathematics	Operations research, Finance, marketing and advertising, Complex analysis in field of Mathematics
Physics	Material Science, Experimental Condensed Matter Physics (magnetic materials), Sensors, Atomic and Molecular Physics, Optics, photonics, display devices

3.1.8 Efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students

- Various departments of Keshav Mahavidyalaya organize their own academic fests which provide a pertinent platform for the departments to invite eminent professors and researchers from various academic institutions and scientific organizations.

- The invited Professors/ Speakers enlighten the students by delivering lectures to share their vast expertise and knowledge in the field of latest technologies and upcoming research areas.

- Also, various competitions related to latest technologies are held during academic festival. The events witness participation from the College students as well as students from other institutions, hence providing a platform for interaction.

- The College stays well connected and in constant consultancy with the industry experts.

- Workshops/ Seminars/ Conferences are conducted where researchers and academicians are invited. This provides an excellent opportunity for the students as well as for the faculty to interact with them and enhance their knowledge in the field.

3.1.9 Utilization of Sabbatical Leave for research activities

The College has recently received a Circular from registrar dated 11 October 2013 via notification no. Estab.(T)/V/VI/045/2013 regarding the provision of sabbatical leave to faculty, therefore, till now no faculty has availed this leave.

3.1.10 Details of the initiatives taken up by the College in creating awareness/advocating/transfer of relative findings of research of the College and elsewhere to students and community (lab to land)

The College truly believes in the ideology that any research activity is fruitful only when it is of use to students and with a larger view, when it is useful to the community.

In this field small initiatives have been taken by the students to give their due to the society through working on innovation projects. The major benefits to society and to the College by the innovation projects are highlighted below.

- In the Innovation project titled "Design and development of a low cost computerized laser Raman spectrometer indigenously for DU student laboratories" the undergraduate students have indigenously designed a low

cost Raman spectrometer. Raman spectroscopy experiment is neither explained in detail, nor is the experiment done at the undergraduate level in India, due to the lack of an inexpensive Raman spectrometer. Such equipment is still not available from commercial sources in India, and need to be imported at a huge cost. Raman spectrometer designed in the present project resolves such issues and help an undergraduate student to learn in-depth Raman analysis for which Sir C. V. Raman got a Nobel Prize. Such a spectrometer which is presently not available in the student laboratories will greatly benefit in enhancing the curriculum by designing simple experiments for students in the Physics, Chemistry and Biology stream.

- Optimism ADL as correlates of coping and their effect on the psychological well being of elderly- Student interactions as a part of the project made the elderly people at old age homes feel good and they developed a more positive outlook in life after regular interaction and counseling by students.

- India today is at cross roads with regard to the Retail Sector, and from the innovation project KMV201 it was revealed that neither the big retail outlets nor the small kirana shops are a threat to the existence of each other. Both the stores are embraced by the consumers for their unique features. While Kirana stores are prospering for features like limited variety, prompt buying, free home delivery, proximity, saving in time, need for frequent purchases, continuing family tradition, trustworthy relationships, and return facility; big retail outlets are flourishing due to features like variety, brand, quality, space, display, billing mechanism, acceptance of plastic money, parking facility, family shopping, and entertainment.The project analysis suggest that some desired changes can be brought about in the existing two formats: while the big retail outlets can provide services provided by kirana shops like proximity to residents, free home delivery, timely delivery of products, and giving option of making payment after the delivery of the products; kirana shops can try to be more modernized, sophisticated and organized in display of products and dealings with the consumers besides retaining their existing unique features. Besides innovating, the kirana stores to incorporate features patronized by consumers in big retail stores and vice-versa, a moderate mid-way retailing format that does not call for much alteration on the retailer's side but would immensely enhance the utility for consumers is recommended as the future of retailing to the benefit of consumers.

- The work done under the innovation project KM-202 is an attempt to

  1) To bust the myth that groundwater can be consumed without any sort of purification.

  2) To spread awareness and sensitivity amongst the college going students, the main future decision making group of the society that also has ability to spread awareness amongst all the age groups, about the groundwater and its quality, deterioration of ground water quality with time and its purification. So that ultimate aim of sustainable usage of ground water can be achieved.

3) To address the issue of deterioration of quality of ground water of different areas of Delhi (near to Keshav Mahavidyalaya) with time by developing a database. The results clearly indicated that almost all the ground water samples which were analyzed in the lab failed to meet the quality standards (Biological/Chemical) prescribed by Central Pollution Control Board for drinking water.

3.2 Resource Mobilization for Research

3.2.1 Expenditure on research activities

The College receives its grants from the Govt. of NCT of Delhi. These grants have no separate provision for expenditure under the research head. However, the College can spend ₹ 15,000.00 per annum on research activities. This amount is therefore, distributed among eligible faculty members to reimburse their registration fees of Conferences/ Workshops/ Refresher Courses.

3.2.2 Faculty benefited from the College regarding research

The various research projects running in the College are mainly funded by DU and UGC only. The College itself has no monetary provision for research to its faculty members except the reimbursement of Conference registration fees etc. However, the College awards long study leaves to the faculty members to pursue their research. This leave may be extended up to three years and during the leave period the faculty gets full salary.

Recently, the University has granted Sabbatical leave to Associate Professor to undertake study or research or other academic pursuit solely for the object of increasing proficiency and usefulness to the University or Higher Education system.

3.2.3 Financial provisions to support student research projects

In past there was no provision of providing financial assistance to support student research projects, but few developments as stated below have initiated.

- A scheme to support inter-disciplinary Innovation Projects for students is started by University of Delhi in 2012. Four projects (KM 101-201-202-203) involving 40 Students and twelve faculty members of the College got the required grant from the funding agency (University of Delhi) and Rs 1000/ p.m. is provided to each of those students who are involved with those projects.

- In March 2014, ten students of the College from different departments, accompanied by an Assistant Professor, Ms Nidhi Passi, Mr. Kunal Kumar and Mr. Hemant Yadav went for field-work in Sikkim and conducted research entitled, 'Gender Study: Women in Sikkim' in the train (The Gyanodaya Express) and the project was funded by Delhi University directly (College has not received any funds for that).

3.2.4 Role of institute in undertaking inter-disciplinary research

The innovation projects funded by University of Delhi, which are awarded to the College, have strong inter-disciplinary flavor. The innovation projects have provided a platform to the students and teachers from diverse fields to interact and work together. This has enhanced the research aptitude amongst the students. Following projects gives a jest of its inter-disciplinary approach towards a research problem:

The Innovation Project, KM-101

- The Innovation Project, KM-101 entitled "Design and development of a low cost computerized laser Raman spectrometer indigenously for DU student laboratories" was granted by University of Delhi in 2012.

- Project team consists of Dr.Ajay Arora (Physics) Dr. Priti Sehgal (Computer Science) and Dr. Divya Haridas (Physics) along with ten students in which seven students were from Physics and three students from Computer Science.

- The said project gave an excellent opportunity for both streams to work hand- in-hand.

- During the development stage itself, this project demanded inter-disciplinary skills to build the spectrometer, and involved UG students having interest, expertise and core competence in the fields of optics, electronics, computer science and natural sciences.

- Students got a chance to apply their knowledge in basic science and combine it with engineering design methodologies to develop the proposed spectrometer.

The Innovation Project, KM-202

- Project team consists of Dr Mukesh (Chemistry), Dr. Dhanpal Singh (Mathematics), Mr, Ravi Kumar Yadav (Computer Science) and Dr. Madhu Pruthi (Principal) along with ten students of the different courses of the College.

- Millions of people of this world use ground water for drinking. But with increasing pollution, the quality of groundwater is DETERIORATING day by day. Four faculty members along with ten students of an Innovation Project, KM-202 entitled "To develop an early warning system for Quality deterioration of ground water and its purification", from diverse backgrounds and having interest in Chemical, Mathematical, Computer and Biological sciences utilized their collective skills with prime motives as –

  1. To analyze the quality of these groundwater samples from different areas of Delhi and NCR

  2. To check the potability of these ground water samples

  3. To develop a database of the analysis results.

- The work was done, keeping in mind that a uniform, accurate and reliable set of sampling will bring up the collection of comparable data.

Ultimately, this allows for greater confidence in the interpretation and then the quality deterioration of collected water samples with time can be predicted.The developed database can be later used to monitor the quality of groundwater samples and to predict deterioration of quality of the ground water samples (if any) with time. Students have learnt to utilize the chemical and biological methods to ascertain the values of various quality parameters of water and then they have compared these values with standard values to check if the ground water sample is potable. They have also appreciated and learnt the usage of mathematical sciences to verify the reproducibility, sensitivity, accuracy etc. of these methods.

The Innovation Project KM-203

- The Innovation Project KM-203 entitled "Optimism and Psychological Wellbeing as Correlates of Coping: Enhancing Coping in Elderly" is being done.

- Project team consists of Dr. Harpreet Bhatia (Psychology), Dr. Daisy (Psychology) and Dr. Amanjot (Business Studies). Ten students of different courses of the College were also a part of this project.

- The project gave opportunity for faculty and students from diverse backgrounds to collaborate and use their psycho-social and managerial skills in dealing with the elderly people in old age homes. This provided an opportunity for enhanced interaction and sharing of conceptual knowledge among the staff and students. Interpersonal guidance in application of concepts lead to a broader understanding of the attitudes, needs and coping mechanisms of the Elderly in old age homes. The interaction of the students with the elderly and the positive results obtained shows that psychology and management students could successfully work together in teams and bring a change in the orientation of the elderly living in old age homes. The interaction was highly beneficial for the project investigators and researchers and for the community as well.

3.2.5 Ensuring optimal use of various equipment and research facilities of the College by its staff and students

The College believes in the notion that various equipment and research facilities which are provided for the benefit of the students and faculty members should be taken care of and preserved so that they remain useful for the future batch of students also.

- The College follows combined approach of teaching, both through traditional blackboard/ whiteboard as well through modern technologies including projectors, computers, internet etc.

- The College has well maintained Library and ICT labs with computers equipped with latest software such as Mathematica, Tora and SPSS etc. for acquainting students with modern technologies, so that they learn diverse set of tools.

- Teachers encourage students to make projects for their better understanding of concepts.

- Soft copies are encouraged to minimize the use of paper.

- The equipment provided by the College caters to a large number of students for carrying out practical as part of their curriculum.

- The department ensures the optimal use of equipment in the laboratory by assigning continuous practical classes to the students of various courses in batches of proper sizes.

- Timetables are designed in such a manner that the labs are utilized to their optimal use. For an instance, the Business Studies department of the College has allowed faculty and students access to lab so that they can avail internet facility and use other software beyond their scheduled lectures. They have notified the vacant slots in timetable which are available in the lab for the same.

- Maintenance of the equipment/ setups is an important aspect which is well taken care of by the respective departments.

- An introductory session is usually conducted especially for the new batch of students to make them well aware of the various facilities available in the lab. Students are advised to read the appropriate instruction manual before actually starting with the experimentation.

- Lab-assistants perform an important role of keeping track of the equipment/ components being used by the students during their practical classes by maintaining a record book.

- Timely repairs and maintenance of the existing equipment/ setups, prevents the department from the extra financial burden of purchasing new ones.

- Equipment which have been damaged to wear and tear, ageing or improper usage by the students are discarded through proper channel.

- An updated list of new equipment required in the lab is always maintained after a thorough assessment.

- Timely purchase of the required equipment is then done through inviting quotations/ tenders.

3.2.6 Financial assistance or grant from the industry or other beneficiary agency for developing research facility

The College has not received any special grants or finances from the industry or other beneficiary agency for developing research facility as of now.

3.2.7 Special grants or finances from the industry or other beneficiary agency for developing research facility

Following are special grants awarded by various agencies to carry out research.

Table 3-6: Details of ongoing and completed projects

S.No	Department	Name	Project Code Number	Title of Project	Sanctioning and funding Authority	Sanctioned amount (₹)
Academic Year: 2013-14						
1	Commerce	Dr. Vipin Negi	KM 201	Factors that determine the shopping behavior of customers of Big Shopping Retail Outlets and Small Neighborhood 'Kirana' shops - A statistical survey of customer behavior of shopping in Delhi and NCR	University of Delhi	3,00,000
2	Commerce	Dr. Pardeep Kumar				
3	Business studies	Ms. Sonu Mehta				
4	Chemistry	Dr. Mukesh	KM 202	To develop an early warning system for quality deterioration of ground water and its purification	University of Delhi	6,00,000
5	Mathematics	Dr. Dhanpal Singh				
6	Computer Science	Mr. Ravi Kumar Yadav				
7	Principal	Dr. Madhu Pruthi				
8	Business studies	Ms. Amanjot Sachdeva	KM 203	Optimism, ADL and Psychological Well-Being as Correlates of Coping: Enhancing Coping in the Elderly	University of Delhi	3,00,000
9	Psychology	Dr. Harpreet Bhatia				
10	Psychology	Dr. Daisy Sharma				
11	Commerce	Dr. Pardeep Kumar	-	Rural marketing challenges in 21st century	UGC	97,500
12	Electronics	Dr. Vinod Kumar Sharma	-	Analysis/characterization of Metal/semiconductor Surface Plasmon Optical Waveguides and their applications	UGC	47,000/ (approx)
Academic Year: 2012-13						
13	Physics	Dr. Ajay Arora	KM 101	Design and development of a low cost computerized laser Raman spectrometer indigenously for DU student laboratories	University of Delhi	10,00,000/-
14	Computer Science	Dr. Priti Sehgal				
15	Physics	Dr. Divya Haridas				

3.3 Research Facilities

3.3.1 Research facilities available to the students and research scholars

Adequate amount of research related facilities in terms of hardware and software tools are available for the students as well as for the faculty members to carry out in-house projects.

* The College has Wi-Fi connectivity in the campus which enables students to connect with the University Library for access to the online journals subscribed by the university.

* Apart from having a well-equipped ICT lab with internet facility, the students are provided with laptops to easily carry on their research and project work.

* Projectors are installed in all classrooms to incorporate new pedagogies in the teaching-learning process.

* An up to date infrastructure lends easy access to information e.g. the College library is connected to the Delhi University Library through the University Intranet. Also the departments of Physics and Electronics are equipped with certain instruments/set-ups which can very well be used for research purpose.

3.3.2 The institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers in the new and emerging areas of research

* The College is effortlessly trying to create and upgrade the infrastructural facilities to meet the researchers since its inception.

* The College has recently constituted 'Internal Quality Assurance Cell' (IQAC) with the aim of making consistent quality improvement of the College in both teaching and research.

* Few suggestions made by IQAC are as follows:

  * Students should be encouraged to take innovation projects.

  * All the academic activities held in the college must be properly documented.

  * Department wise faculty Research project results should be discussed with the students.

  * For the funding of research activities it was suggested that Student Chapters should be opened with subject related organizations such as SPI, Oracle etc.

  * The committees suggested that Pota cabins may be made for extra space so as to overcome the space problem in the college.

* IQAC is continually working towards achieving its objectives.

3.3.3 Special grants received from the industry or other beneficiary agency for developing research facilities

The College has not received any such special grants or finances from the industry or other beneficiary agency for developing research facilities.

3.3.4 Provision for research facilities to the students outside the campus/ other research laboratories

The College has well-equipped laboratories and a well stacked library. The students and staff are always motivated to do their research work by making the optimal use of the available resources. Apart from the in house laboratories students can utilize the resources/ facilities available in various esteemed research laboratories outside the campus including:

- University Science Instrumentation Centre (USIC), University of Delhi, CSIR - National Physical Laboratory (NPL), Delhi, Solid State Physics Laboratory (SSPL), Delhi, Department of Electronic Science (DOES), University of Delhi, South Campus (UDSC),etc.

- These institutes provide excellent platform for training and sustaining the continuous interest of students/scholars in environment of rapid advancement in science and technology. These institutes cater the needs with latest and high-end research facilities to the research related departments in the field of Microwave Technology, Optics, Nanotechnology, Microelectronics & Semiconductor Device Modelling, Embedded Systems and Signal Processing and Solar Energy.

3.3.5 Details of the library/ information resource center available for the researchers

- The library has more than 22,460 books with new books and editions added every year, a rich collection of text, reference materials and encyclopedias of various field. The total number of titles of books till date is more than 8600.

- Large number of dailies, weeklies, periodicals is being subscribed by the library on regular basis. Total number of Newspapers purchased by the library in the current session is 19 and magazines are 35.

- As per record, the Library has more than 700 CDs and DVDs (These are issue to various departments of the college). College-Library has the facility to access e-resources, e-journals provided by Delhi University Library System through Internet/website. Approximately 30,000 journals/e-resources are available on Delhi University website. Delhi University is spending approx. ₹ 3 crore budgets on the purchasing of these e-resources.

- **Easy Access to Books through OPAC**: The Library provides OPAC services to its users to search books.

- **Space for self-Reading and research purpose**: The First floor of the Library is divided into two portions. One Portion has a Separate space for faculty with Round table and comfortable chairs for self-reading and

research purpose. The other portion has a reading room with tables and chairs for all users including six tables with partition to avoid disturbances among students.

- **Internet Lab in the Library**: On ground floor of the Library there is a separate Internet Lab for Students. Ten Computers are reserved for students for internet-access. Library has reserved five computers for Faculty for internet access/research work and two computers for Staff separately so that the concept of self-learning and research activities could be possible in a pleasant atmosphere.

- **Library remains open on vacations** also (i.e. Summer Vacations as well as winter vacations) so that the research activities will not be disturbed.

3.3.6 The collaborative research facilities developed/ created by the research institutes in the college

Till now there are no facilities developed/ created by any research institute in the College but the College welcomes any such efforts if initiated by any research institute.

3.4 Research Publications and Awards

3.4.1 Major research achievements of the staff and students

- Five faculty members namely Dr. V. K. Sharma, Dr. Priti Sehgal, Dr. Jagneet Kaur Anand, Dr. Dimpy Mahanta and Dr. Harpreet Bhatia are supervising PhD students.

- Dr. Divya Haridas and Dr. Jasmeet Singh have been awarded by Best Paper presentation awards in Two International and one National conference respectively.

- Many faculty members of the college have participated and presented their research papers in International conferences. Following are the details:

  * Dr. Anju Arora presented a paper in International Conference on Banking and Finance, 2011 at Italy. She availed travel grant from University Grants Commission, New Delhi.

  * Dr. Divya Haridas, participated and presented her research papers in four international conferences namely International Conference on Sensing Technology held in Taiwan; Sensors Applications Symposium, SAS 2010 held in Limerick, Ireland; Material Research Society Fall 2010 held in Boston, USA and International Meeting on Chemical Sensors (IMCS 2012) held in Nuremberg, Germany. She availed Travel grants from various government agencies such as UGC, University of Delhi, Department of Science & Technology etc.

  * Dr. Jasmeet Singh participated and presented his research paper in four International Conferences namely on Photonic, Electronic and Atomic Collisions held at Queen's University Belfast, United Kingdom; European Conference on Atoms, Molecules and Photons held in Spain; Conference of the European group on Atomic systems held in Sweden;

> International Conference of the European group on Atomic systems held in France. He availed Travel grants from various government agencies such as UGC, University of Delhi, Department of Science & Technology etc.

- Five students of our College had won first prize in Legacy of Shrinivas Ramanujam Competition 2013. The team successfully decoded a Devnagri text affine Cipher using Frequency analysis. As first prize, their team was sponsored by University of Delhi to visit and spent four days each in Oxford University and Cambridge University, UK during 22 June-3 July 2013.

- Students of Innovation Project KMV-101 had participated and presented their work in two conferences. They gave an Oral presentation on "Low cost computerized laser Raman spectrometer designed for Undergraduate student laboratories" in IAPT National Student Symposium on Physics during 25-27 February, 2013 in Chandigarh. Students also participated and presented their work in 3-day National Conference on "Redefining Science Teaching: Future of Education" during 7-9 March, 2013 at South Campus, University of Delhi and awarded by a paper presentation award.

3.4.2 The Institute does not publish or partner in any publication of research journal

No, the College has neither published nor is a partner in publication of research journal(s) but any such effort by any of the faculty will be appreciated and supported by the College.

3.4.3 Details of publications by the faculty and students

Department	Number of Research Publications International/ National journal	Number of Research Publications Int/Na Conf/ Symp/ Wshop	Number of publications listed in International Database	Conference /Workshop /Seminar presentations International and National	Chapters in Books/Textbooks/ e-books	Books	Books edited	Citation
Business Studies	5(1)	4(2)	-	14(4)	26(5)	1(1)	-	-
Chemistry	6(2)	-	3(1)	4(1)	-	-	-	36(1)
Commerce	58(11)	8(4)	-	7(3)	17(6)	19(3)	-	-
Computer Science	38(14)	52(11)	98(11)	54(3)	8(8)	-	-	387(9)
Electronics	57(9)	31(6)	63(7)	34(3)	1(1)	-	-	268(7)
Environmental Studies	4(1)	-	-	-	4(1)	-	-	-
Mathematics	26(4)	4(2)	11(3)	15(4)	-	12(1)	-	-

Physical Education	-	5(1)	-	-	-	-	-	-
Physics	67(10)	26(3)	74(10)	48 (7)	10 (3)	-	-	352(8)
Psychology	17(6)	1(1)	8(3)	58(7)	23(6)	2(1)	3(2)	-

3.4.4 Details of research awards, recognition or incentives received by the faculty for research contributions

The following faculty members received awards at National and International level:

Dr. Divya Haridas

- Awarded by best paper presentation in International Conference on Sensing Technology (ICST) 2008 in Tainan, Taiwan during Nov 30-Dec 03, 2008, where one oral presentation and one poster presentation was given.

- Secured second Position in oral presentation on "Room temperature response of SnO_2 based thin film methane gas sensors" in International Conference on Indo-UK Conference on recent advances on chemical sensors held at Gargi College, University of Delhi from 10-11 February 2014.

Dr. Jasmeet Singh

- The research work is awarded with best poster prize in the National Conference "DAE-BRNS Symposium on Atomic, Molecular and Optical Physics" at Karnataka, University, Dharwad, during February, 2011.

3.5 Consultancy

3.5.1 Details of the systems and strategies for establishing institute-industry interface

- Various departments of the College annually organize academic activities like departmental fests, seminars and workshops reflecting recent trends of the industries.

- These seminars include a session of open discussion among students and experts where students are encouraged to ask their queries.

- The delegates from the corporate environment interact with students and tell them how the theoretical knowledge of subjects being studied is applied in the industry and what is the real world challenges being faced by them.

- They tell the practical applications of the subjects and provide a path on which student can think and develop interest.

- In order to ignite scientific zeal amongst the students regular educational trips to research labs such as National Physical Laboratory (NPL) and other institutes such as IIT Delhi are carried out.

- Institute-Industry interface is established by organizing industrial visits every year by Business Studies and Commerce Department. Such visits give the students an opportunity to observe the fully automated production process, production and quality control mechanism, and service conditions of employees; know the prospects of entry and career growth in specific areas of manufacturing; and interact with the Human Resource Manager and/Production and Operations Manager to know the opportunities, threats and future endeavors of the industry.

- Industry practitioners are invited from time to time to address students on their management experiences and insights.

3.5.2 – 3.5.5 Policy and details of the College to promote consultancy

- There is no institutional policy statement to promote consultancy.

- The College does not provide any formal consultancy services but has always encouraged its faculty members to utilize their expertise to any consultancy services provided it does not hamper the academics and the working of College system.

- The College does not provide any major consultancy service. As of now no revenue is generated by any consultancy services.

3.6 Extension Activities and Institutional Social Responsibility

3.6.1 Efforts to promote institution- neighbourhood - community network and student engagement, contributing to good citizenship, service orientation and holistic development of students

The College truly believes in the ideology that an overall development of an educational institution is incomplete without engaging its students in service activities which address human and community needs. College is contributing towards this selfless community service through various initiatives:

- **NSS**: The College has started its National Service Scheme (NSS) unit just a few years back with primary focus on the development of personality of students through community service. It upholds the very motto of NSS "Not me but you" and continuously work towards fulfilling the aim and objective of NSS. In recent years it has successfully organized various activities such as Free Health Checkup Camps, Public Lectures on Multidisciplinary topics by various eminent personalities, Blood Donation Camps, self-defence classes for girls, Educational Camps in nearby slum area, Anti-Tobacco Campaign and other social awareness activities.

- **WOMEN'S DEVELOPMENT CELL:** Keshav Mahavidyalaya continuously works toward the upliftment of women in society. Toward this end, Women's Development Cell was established in 2009. The cell aims at creating a systemic dissemination of information on gender parity. It aims to empower young minds with discourses' of equality. It plays a very important role in sensitizing students on issues related to gender

through organizing seminars, talks, and showcasing films. The College makes efforts through WDC to sensitize not only students but also the staff by holding workshops/seminars/talks etc. from time to time.

- **ROTRACT CLUB:** Founded in 1995, the Rotract club aims at developing a sense of responsibility in students through a variety of social welfare activities such as adult literacy, child welfare and relief programs. The club organizes blood donation camps, clothes donation drives and free eye check-up camps every year to encourage the spirit of community service among students. The Rotract club of the College aims to instill in the students a sense of community by actively engaging in socially responsible initiatives and contributing in whatever way they can to uplift our current state of being. The club has been participating in all rotary initiatives and is proud to be associated with its parent club i.e. Rotary west district 3010.

- **ENVIRONMENT CLUB–PRAKRITI:** Keshav Mahavidyalaya is endowed with one of the greenest campus of the University. Students and staff have always been considerate to environment protection and a platform for the same is arranged by Prakriti - the Environment Club of the College. The Club aims to inculcate the green culture and a mentality of environment protection in the students in the College. It teaches and promotes the habits which every individual can adopt to contribute towards environment protection. The club has tried to change the mindset of the individuals in College by taking few initiatives in this direction such as planting trees, using bins for waste, saving fuels, taking rounds of the campus and switching off lights & fans of the rooms which are not being used.

- **THE EQUAL OPPORTUNITY CELL**: The College is equally committed toward the needs of differently-abled persons. The main problems faced by people viewed as disabled or with disabilities, stem from disabling environmental, economic and cultural barriers. Disability is therefore equal right issue at par with other forms of unjustifiable discrimination and prejudices. To address these and other urgent issues concerning SC, ST, OBC and People With Disabilities (PWD), the Equal Opportunity Cell was set by University of Delhi on 27th June, 2006 and a policy draft was released ensuring a barrier free, equitable and accessible space to the PWD, in the field of higher education. The College has made efforts for improving the overall infrastructure, and in the learning and teaching process for the differently- abled academic community irrespective of visual, hearing, orthopedic or other kinds of impairments. The College works towards the mission to enable all differently-able students and staff to participate fully in the academic, intellectual, social and cultural life of the College, University & society. In this pursuit our differently-abled students participated in different programs during 2013-14 organized by EOC, University of Delhi. The main focus areas of Equal Opportunity Cell are:

  * Ensure a barrier free access to all buildings of the College i.e. departments, library and office. Ramp at the entrance gate and lift facility eases the access.

* Ensure that there is no discrimination in the College on grounds of disability.

* Provide counseling for psychological problems and employment.

* Sensitize the College community and general public towards the problems and the strengths of the differently abled.

* Infrastructural Provisions in the College.

* Straight and tactile paths.

* Accessible toilets.

* Sign ages & sign boards.

- **Student Aid Fund:** The College believes that every child has a right to education. Inability to pay for education should not be allowed to discourage a child from studying. Student Aid Fund of the College is a small step in this direction. It seeks to help the needy students of our College through various means such as financial aid, assistance in the form of books, scholarship and/ or waiving off the tuition fees.

3.6.2 The Institutional mechanism to track students' involvement in various social activities

Students' involvement in various social activities is taken care by the respective Committees /Clubs in which they are working. Meetings of the faculty in-charges of the Committees /Clubs with their student volunteers are held often to keep track of all activities and to discuss the future initiatives. To cite an example, a register is maintained by NSS program officer to keep a record of the presence of students involved in its various initiatives.

Few departmental societies also contribute towards extension activities. Commerce Society undertook few projects on skill development and entrepreneurship development for the weaker section of the community. The departmental society conveners plan the activities and ensure mass student involvement in the socially responsible initiatives.

3.6.3 Soliciting stakeholder perception on the overall performance and quality of the College

The College ensures to address the suggestions and grievances of students and staff at various levels. Various committees such as Library Committee, Grievance Redressal Cell work actively in each session to do that. Following mechanisms are adopted by Grievance Redressal Cell to address the grievances of the stakeholders as students.

- At the beginning of every academic year a notice is put up on the student notice board displaying the names of the Grievance Redressal Cell members' names.

- The students can place their grievance applications in writing in the Grievance Box installed near the Principal's office.

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- The committee opens the box periodically to discuss the grievances of students. The grievances are redressed at the earliest.

Nonetheless, the Cell not only tries to redress the grievances of students, but also extends counseling on various personal and academic issues of the students.

Further, IQAC (Internal Quality Assurance Cell) is recently constituted as suggested by NAAC requirement to enhance the quality of the College.

3.6.4 Organization of extension and outreach programmes, their budgetary details and details of major extensions and outreach programmes

The College's Committees and Clubs plan and organize its extension activities by holding time to time meetings of the faculty in-charges with student volunteers. Feedback and suggestions from volunteers are taken and timely activities are planned keeping the expenses under the allocated budget.

For NSS, financial assistance is provided by the NSS Wing of University of Delhi. Contribution of ₹ 20/- per student is being deducted from the fees as NSS fund and the same is remitted to the University of Delhi NSS Centre. The NSS Center, University of Delhi can give a maximum of 50% of the collected fees as grant-in-aid.

Rotract Club does not receive any financial assistance from the College but generates its finances through the yearly registration fees of the student volunteers. A sum of Rs. 150/- has been charged by each volunteer of Rotract Club. The club also gets some financial assistance (if required any) from its parent club, Rotary West district

Table 3-7: The expenditure incurred on the extension activities

Committees/ Societies/ Club	Expenditure (₹)			
	2010-2011	2011-2012	2012-2013	2013-2014
NSS	-	-	2,476	10,050
Rotract Club	12,000	7,000	13,550	15,188
Women Development Cell	5,247	-	-	16,806
Environment Club	-	-	15,400	-
Student Aid Fund	19,766	49,417	12,707	87,671

Various extension activities initiated by NSS in past:

- With the help of NSS unit, College has initiated a cleanliness drive on September 2014 to clean the College and its premises. Strong spirit and commitment towards Swachhta was built amongst the students, faculty members and non-teaching by the NSS volunteers so as to inculcate the regular habit of cleanliness in them and to contribute towards the vision and mission of clean India by 2019.

- Organized Self Defense Classes for Girls, in collaboration with Delhi police for fifteen days in February 2011, January 2014 and March 2015.

- NSS Unit of Keshav Mahavidyalaya in collaboration with Delhi Police, under an awareness campaign, "Parivartan" for the safety of Women and Children, has organized a talk on "Responsible Sexual Behaviour" on 30th March 2015

- NSS program officer and student volunteers participated in "Rashtriya Ekta Diwas" organized to commemorate the 139th birth anniversary of Sardar Vallabhbhai Patel, 31st October, 2014

- Five volunteers of NSS participated in the Swachhata Abhiyaan at the University of Delhi on 2nd October 2014.

- Few NSS volunteers were nominated to help the voters with disability in the General Elections to Delhi Legislative Assembly- 2015 as per the directions of the Chief Electoral Office of Delhi, Election Commission of India.

- Various initiatives were taken by the College to ensure a Tobacco free campus. NSS Programme Officer was designated as Nodal officer for ensuring Tobacco Free Campus. Various display boards as per the directions from GNCTD were displayed in and around the campus to create awareness amongst all. Students also participated in No Tobacco Campaign by preparing warning signs and sketches on Cigarette boxes and showcased the same during "ANTARDHVANI 2013" festival held on Feb.22-24, 2013.

- Organized a campaign for Enhanced "SPIRIT OF VOLUNTEERISM AND WOMEN SAFETY" during 17th January to 28th January, 2013.

- Participated in NSS Camp organized by Ministry of Youth and Sports affairs, at Rowing in Arunachal Pradesh during 23rd February to 9th March, 2013.

- Organized a Blood donation Camp on 29 October 2012 in Keshav Mahavidyalaya in Collaboration with Indian Red Cross society.

- Organized free Health Check-up and Blood donation Camp from 21st September, 2011 to 22nd September, 2011 in Keshav Mahavidyalaya in Coordination with WUS Health Centre University of Delhi, South Campus.

Various activities/events held by WDC

- A workshop on Sexual Harassment – Ramification and Remedies was organized on 17th October 2014. A talk on the issue of sexual harassment of women at work place was given by Ms. Jyotika Kalra, Advocate-on-record, Supreme Court of India. Mr. Rajesh Gogna, Advocate, Supreme Court of India and Prof. Ambrish Saxena, Director Vivekananda Institute of Professional Studies also enlightened the students on this issue.

- The cell has been constantly working to create awareness on health issues particularly relating to women, whereby a workshop on Health and Nutrition was organized on 24th October 2014. Dr. Seema Puri, Associate

Professor from Institute of Health & Nutrition along with her team & students delivered a talk along with a stage show. Further, the cell aims at developing and empowering our girl students to ensure that women once considered 'abla' are 'able' to run their own show.

- A seminar on Breast and Ovarian Cancer was organized by WDC in March 2014. Dr. Indu Aggarwal, Preventive Oncology, Rajiv Gandhi Cancer Institute and Research Centre, Rohini enlightened the students and staff.

- WDC organized a successful Legal Literacy Seminar in 2010, in tandem with "Umang Associates", on issues pertaining to domestic violence, inheritance rights of women along with marriage rights. Legal experts like Justice Verma and High court advocate M K Singh enlightened the students and staff about imperative issues.

- In 2009-2010 year College Complaints Committee (CCC) along with the Women's Development Cell had organized a seminar in the College. One of the eminent speakers, Ms. Minakshi Lekhi, advocate in Supreme Court spoke on "Constitution and Women Rights" and Ms. Seema Malhotra, Director of an NGO ScopePlus spoke on "Gender Sensitizing issues".

Initiative made by the Rotract Club of the College

- **Clothes Collection Drive in 2014-15:** The Rotract club organized a clothes collection drive from 29th October to 11th November 2014 in the College premises for the Rotract Club believes that charity begins at home. The club was honored to have its drive initiated by Rotract Delhi Westend's past president Rtn. Praveen Ahuja, Rtn. Subhash Dhir and Rtn. Adarsh Gupta. Tha Club has collected around 32 kilograms of clothes through our drive in the College. Through this drive, the club has created awareness in the College and the University, highlighting the grim situations of under-privileged ones in the society. Students themselves went to donate clothes and charity in form of other basic amenities, in slums of Karampura, Shakurpur Basti and Ashok Vihar. Watching the faces of underprivileged people getting the basic amenities had instilled the minds of college students with a new hope for better society.

- **Book Collection Drive in 2014-15:** The Rotract Club of Keshav Mahavidyalaya organized a book collection drive in the month of January 2015. The Club initiated a charity drive for books in the College premises. It helped in sensitizing College students towards the literacy status of various unprivileged sections of our society. It is planned to donate all the collected books to provide a well-developed library in an orphanage or a government school. Rotract club aimed at catering to the needs of unprivileged section by catering them with a well-furnished library that provides books from all categories and sections. With such efforts, the Rotract Club hopes to contribute its best efforts to imbibe a better future of Indian Youth.

- **Diwali at 'Sweet Home' Orphanage in 2013-14**: The Rotract Club organized a 'VISIT FOR COMPASSION' at Sweet Home Orphanage, Najafgarh, with 18 students celebrating Diwali with the children from the orphanage. The most enthusiastic part of the visit was Drawing

Competition where the girls of 5-18 years of age were divided in groups of four. The girls showed their talent by picturing Diwali with beautiful colors, mirrors and stars.

- **Donation Drive in 2013-14:** The Club organized a donation drive in January 2014 for about two weeks in the College premises. Students, teaching and non-teaching staff of the College actively took part in this donation drive and donated items such as old clothes for both, girls and boys, soft toys, basic stationery, grains and pulses, shoes etc. which were donated to various non-government organizations and schools.

- **Life After 60: A Visit to 'Nayi Duniya Old Age Home' in 2013-14**: The students of the Rotract Club visited 'NAYI DUNIYA Old Age Home', which is situated in East Delhi in Shahadara, in February'2014. Students got an opportunity to have an interactive session with the elderly inmates of the home. They chatted with the elderly and sang songs for them. Many elders opened up and shared their life stories, interests and talents.

- **Law Awareness Campaign in 2013-14**: On 15th January 2014 the Rotract Club organized an Educational workshop on 'Legal Awareness & the Rights of Women in Constitutional Bills'. The workshop started by giving a detailed account of Justice Verma Committee's Commandment for women rights protection. Advocate D.L.Sahni threw light on various topics associated with implementation of Women's rights.

- **Books for the Needy initiative in 2013-14**: In the month of March 2014, an initiative was taken by the Rotract Club to provide the underprivileged children from Slum Schools and Orphanages with books so that they can have their equal share of learning in the society. The students collected around 600 books from all sources.

- **Rotary Youth Leadership Awards (RYLA) in 2013-14**: Members of the Rotract Club attended the RYLA Meet. Rotary District 3010 had organized RYLA (Rotary Youth Leadership Awards) ceremony to award all those fellow members who by way of their work have created a distinctive place for themselves in the society. The award ceremony was organized from 20th to 22nd December 2013 in O.P. Jindal Global University, Sonepat which saw participation from fellow members around the world. The event was organized by Mr. Anup Mittal. The camp included various counselling sessions to guide and motivate the Rotractors to deal with the problems they face in life and to serve the society by volunteering in community activities. This activity acted as a great motivator.

- **A Visit for Compassion in 2012-13**: "The best way to find your-self is to lose your-self in the service of others." The Rotract Club organized a visit for compassion at SAKSHAM FOUNDATION near East Sagarpur where a group of twenty students experienced the most beautiful part of their life by servicing sweet little girls from nearby slum areas. The smiles on their faces carved a niche in the hearts of the students and they realized that the sole meaning of life is to serve humanity.

- **Workshop on Personal Hygiene in 2012-13**: The students undertook a small workshop on personal hygiene where they taught the children some

necessary facts and ways to keep themselves healthy and free from diseases. The motive behind was to make them aware about the value of cleanliness and personal hygiene in order to make their life healthy.

- **Diya Decoration in 2012-13:** The most enthusiastic part of the visit was diya decoration where the girls of 11-16 years of age divided in groups of three showed their talent by decorating diyas with beautiful colors, mirrors and (30) stars. The motive behind this activity is to see their creativity, hidden talent and the art of learning and cooperation. The students were amazed to see the beautiful creations.

- **Card making in 2012-13:** The third activity of the academic session was for the girls of 6-10 years of age where, with the help of volunteers they made some beautiful Diwali cards with the message of happiness and prosperity. The activity was very interesting and enjoyable which received an overwhelming response. The main motive of the visit to bring happiness on their innocent faces was fulfilled and this was the most fantabulous gift of DIWALI the students could ever give to themselves. "A generous heart, kind speech, and a life of service and compassion are the things which renew humanity"

- **Donation Drive in 2012-13**: "The Measure of a life, after all is not its duration, but its DONATION." The Club organized a donation drive in February for about two weeks in the College premises. Students actively took part in this donation drive and donated the items such as old clothes for both, girls and boys, soft toys, basic stationery, grains and pulses, shoes etc. The Club donated these things to various non-government organizations and schools where they could be used in the best possible way. Hence, it was a small effort made by the club for the happiness of others. "Being good to people is building a bridge that we will need at some point of life."

- **Call for help, Clothing Drive on 17- 21 Feb 2012** from 9 am to 2 pm in the College Amphitheatre. The collected clothes were donated to the Aurobindo Ashram at IIT.

- **Donation of warm clothes in 2010-11**: The Club organized donation of old warm clothes in the College premises and the collection was donated to a school in Jammu.

- **Blood donation camp** was organized by the club on 8th December 2010 in the Library reading room of the College from 9 am to 4 pm. Many students and faculty members came forward to support the noble cause. The encouraging part was that donors were not only confined to Keshav Mahavidyalaya but the residents of neighbouring colonies came forward to donate blood too. Proper measures were taken with regard to the safety of the donors. The donors were also provided with refreshments and donor cards for future reference. The club was successful in collecting 100 units of blood.

- **Clothes collection drive in 2010-11:** The Rotract club organized a clothes collection drive on 8-9 February 2011 from 9 am to 2 pm in the College amphitheater. The students and faculty members brought old clothes, bags

and footwear for donating to the needy. They were donated to the Aurbindo Ashram at IIT.

- The Club also helps bright but needy students of the College to provide them with financial support through the parent club.

Initiatives made by the Environment club

- The first step of the Club was in the form of an intra-college Environment Club fest – Bhoomi. Targeted to introduce and attract students towards the Club, the fest was a huge success. Students from all courses and year participated in the three events – Poster Painting, Face Painting and Treasure Hunt. Poster painting saw many painters of the College getting a chance to show their talent on the theme – 'Lonely Planet'. Face painting saw many interesting entries from bleeding tiger to natural disasters being painted by the artist on the other team member's face. But, the crowd puller of the fest was the treasure hunt, which saw more than 30 teams participating in it, following the clues given to each team member. The clues were related to the environmental knowledge of the participants. Treasure hunt rocked the College with the enthusiasm of the participants. All in all, people were made aware about the club and generated the interest of the students towards the club.

- The Club consistently worked on its task of spreading environmental knowledge to the college students. The documentary – 'An Inconvenient Truth', which got acclaimed worldwide for presenting the environmental crisis and providing some of the possible solutions to it, was screened in the College. The movie showed that the world is on verge of extreme environmental crisis and everyone from the common man to the president needs to take the issue seriously. The movie had a great impact on the mindset of the College students. The members of the club had also attended seminar and program launched by the Delhi govt. towards environment protection in the previous year.

- Plantation and greening drive was organized by the Club. A number of saplings have been planted in the implementation of the motto "Go Green".

- Anti-littering and anti-plastic bags campaign was undertaken by the club.

Initiatives made by the Fee Concession Committee:

- **The Fee Concession committee** had selected 124 students from various courses including many from the weaker section to grant them the financial aid for education in the academic year 2013-2014.

- In the year **2012-2013**, the College through the Student Aid Fund Committee had helped around 110 students by providing financial assistance in the form of books.

- In the year **2011-2012**, the College through the Student Aid Fund Committee had helped 17 students by providing financial assistance in the form of books, and other 23 students by providing cash assistance.

- In the year **2010-2011**, the College through the Student Aid Fund Committee made provisions to award financial assistance to around 15 students in the form of books.

3.6.5 Role of the College to promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies

- The students are sensitized towards various social issues prevailing in the society which can be taken care of with their sincere efforts.

- At the very beginning of the academic session, the NSS program officer organizes a get-together session to motivate students to join the NSS unit of the College and involve them in various activities initiated by NSS, University of Delhi. Program officer conducts time to time meeting with student volunteers to plan their activities and to get the feedback on the ongoing projects and activities.

- NSS unit has organized various activities such as Health Checkup Camps, Blood Donation Camps, self-defence classes for girls for which active participation of students was witnessed.

- The students of commerce society-BIZWORLD have voluntarily undertaken projects on skill development and entrepreneurship development for the weaker section of the community. The aim is not only to help the needy but also to create awareness among the students towards social responsibilities.

- One of the project called "SHUBHARAMBH" revolved around "diya making" and "candle making" by the ladies of JJ colony, Ashok Vihar. Team members provided raw materials and other accessories to the concerned persons.

- The other project was related to skill development work in association with Navjyoti India Foundation, Kerala. Various lectures were delivered and activities and competitions were organized during the camp. Students of commerce society tried to achieve its objective: "We provide you shoulder, take your flight."

3.6.6 Support to students from under-privileged and vulnerable sections of society

- The College is very active in extending its support to economically weaker and socially backward sections by providing financial aid in the form of books to the needy students through the Students Aid Fund.

- Free self-defence classes for girl students are organized time to time by NSS to prepare them to face day-to-day challenges. Students both girls and boys are sensitized towards gender equality so that the young shoulders of the country take the very responsibility of protecting vulnerable sections of society and inculcate the feeling of self and mutual respect among all.

- Student are actively involved in social services and involved in community services by visiting orphanages, old age homes and slum areas and help the habitants with their best efforts.

- WDC (Women Development Cell) organized a Legal Literacy Seminar in 2010, in tandem with "Umang Associates", on issues pertaining to domestic violence, inheritance rights of women along with marriage rights. WDC also organized lectures which primarily focused on the human rights of women and of the girl child which is an inalienable, integral and indivisible part of universal human rights.

- Ms. Minakshi Lekhi, advocate in Supreme Court gave a lecture on "Constitution and Women Rights" and Ms. Seema Malhotra, Director of an NGO ScopePlus enlightened students and staff on "Gender Sensitizing issues".

- Rotract Club is actively involved towards the upliftment of under-privilege and vulnerable section of society through their various activities.

- The Rotract Club organized an Educational workshop on 'Legal Awareness & the Rights of Women in Constitutional Bills' by Advocate D.L. Sahni.

3.6.7 Inculcating the values and skills in students through the extension activities

NSS, Rotract Club, EOC, WDC and Environment Club provide a suitable platform to all students and staff members of the College, to contribute their selfless services towards a noble cause. Students of Keshav Mahavidyalaya participate actively in all socially responsible initiatives under the able guidance of faculty members. Involving students in such activities helped them to imbibe the feeling of altruistic service in them and take on a sense of ownership in development efforts.

- Involving students in various activities and events leads to skill enhancement, confidence building and ownership that prepare them to face challenges while navigating toward adulthood.

- Societies / Clubs make the first move in starting student-community interaction though different activities such as visiting old age home, visiting slum area and imparting knowledge about personal health and hygiene, clothes/books donation drives and distributing same to orphanages or ashram, holding anti-tobacco campaign. This healthy interaction has created consciousness among students about social needs which are consistently molding our students for their betterment and leads towards becoming a better and responsible citizen.

- Such involvement contributes to both the development of community and the social and psychological development of the students involved which will have a long lasting and fruitful impact on a student's overall development.

3.6.8 Initiatives to encourage community participation in social development activities

The College ensures community involvement in social responsible initiatives through its various Committees and Clubs which are consistently working in the field of extension services.

- Activities including donation of warm clothes, bags, footwear, clothes and books take place in College almost every year. The collected items are properly sorted and are donated to orphanage/ashrams or slum areas so that essential items reach to deprived community timely. Students themselves donate clothes and charity in form of other basic amenities in slums of Karampura, Shakurpur Basti and Ashok Vihar.

- Blood donation camps are organized by both NSS and Rotract club on regular basis. Most of the times, residents of neighboring colonies are encouraged to come forward and donate blood. They passionately participate in the noble cause.

- The College has involved the students, the young generation of India to participate in the Swachha Bharat mission with full enthusiasm and zeal. Student volunteers were motivated to spread the message of importance of cleanliness and hygiene. NSS volunteers participated in Swachha Bharat Abhiyan organized by the University of Delhi on the occasion of Gandhi Jayanti.

3.6.9 Details on the constructive relationships with other institutions of the locality for working on various outreach and extension activities

Students often work with various organizations such as old age home, orphanage, bal-ashrams and offer their selfless services. Through their voluntary services constructive relationships are forged with the following institution for initiating diverse social development programs.

- A Blood donation Camp on 29 October 2012 in Keshav Mahavidyalaya was organized in Collaboration with Indian Red Cross society.

- A free Health Check-up and Blood donation Camp from 21st September, 2011 to 22nd September, 2011 in Keshav Mahavidyalaya was organized in Coordination with WUS Health Centre University of Delhi, South Campus.

- Self Defense classes for girl students were organized in Collaboration with Delhi police for fifteen days (15th January, 2014 to 30th January, 2014) and in the month of February 2011.

- The Rotract Club has been participating in all rotary initiatives and is associated with its parent club i.e. Rotary West District 3010. The College has been associated with the rotary since 1995.

- A visit for compassion at SAKSHAM FOUNDATION near East Sagarpur, NAYI DUNIYA Old Age Home, situated in East Delhi in Shahadara, Sweet Home NGO and Asahaya Bal Ashram was organized, which instilled a feeling of giving to the needy, in one and all.

3.6.10 Details of awards received by the College for extension activities and contributions to the social community development during the last four years

The College has not received any award for its extension activities. However, the students of the College give their best to provide basic amenities to the under privileged children, the smiles on the faces of those children has been the greatest award. The active participation of students in extension activities has carved a niche in their hearts and they realized that the sole meaning of life is to serve humanity. College is proud to have such students who in this way contribute towards building a strong nation.

3.7 Collaborations

3.7.1 Details of the institutional collaboration and interaction with research laboratories and industry for research activities

College invites eminent scientist and Industry practitioners from time to time to address students on their research or management experiences and insights.

- Students from Business Studies Department do research projects and internships in industrial organizations which involve doing research for the organization.

- Two of the faculty members, Dr. Neha Sharma (Associate Professor, Department of Electronics) and Mr. Sandeep (Assistant Professor, Department of Commerce), have successfully completed their Masters course in University of Glasgow, UK under faculty training programme (10th Sept 2012 to 10th Sept 2013) sponsored by the University of Delhi.

- Faculty members are also motivated to do research work. As of now no formal collaboration with any research institution has been taken though teachers can avail the facilities provided by them on their own.

3.7.2 and 3.7.5 Details on the MoUs/ collaborative arrangements with institutions, other universities, industries or Corporate etc. and its outcomes

- The University of Delhi has signed MoU with the National Skills Development Corporation (NSDC) to facilitate the introduction of skill-based courses.

- The objective behind the collaboration is to provide comprehensive and employment-oriented education to students.

- The courses are designed in such a way that training in sectors such as banking, financial services and insurance, IT and IT-enabled services, healthcare, media and entertainment, tourism and hospitality and automotive industry is provided.

- The agreement is expected to integrate skill-based training as part of the graduation curriculum.

- The College has enrolled few students in these skill-based courses and the classes were held in summer vacations in the College campus.

- The College has not signed any MoU as of now.

3.7.3 Details on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the College

- A placement committee with a faculty member as convener (and a sub-committee of students) is constituted that interacts with the industry telephonically and through mails (Committee's email id-placementatkmv@gmail.com) for initiating campus placement drives from time to time.

- It provides opportunities, training, guidance and mentorship in the industry – community interaction. It is linked with the Central Placement Cell of University of Delhi and has been successfully placing students in the best companies and multinationals year after year.

- In the past years, the deserving students have been placed in well-known companies such as Capital IQ, Protiviti Consulting, Jaypee Capital, Grail Research, Corporate Executive Board, Bank of America, Wipro, Infosys, IBM, CEB, Genpact, Smartican.com, Tata Power, Berger Painyts and Collective Artist Pvt. Ltd. and Igate. The students have also been able to get good pay packages in their placements however some of them prefer to decline the offer in favor of pursuing post-graduation studies.

- In the year 2014-2015, four students from Department of Business Studies have been offered the highest package of ₹ 9.5 lakhs p.a.by AT Kearney.

- Apart from this, various departments organize expert lectures where eminent persons from the industry are invited to share their knowledge and experience with students and faculty. This also helps the students in their placements.

- For the festivals and events, the students are required to prepare formal proposals, brochures and seek out sponsorship from various organizations, corporate houses and retailers for the festival. The money is used for prizes and other expenses incurred for holding the festival. This activity gives them a practical exposure to the realities of marketing and business world making them effective communicators, negotiators and organizers.

- Students get scholarships from few industries/agencies. Our three students are getting scholarships from Indian Oil for the period of four years ₹ 3000 per month.

3.7.4 Details of the eminent scientists or participants, who contributed to the events and details of national and international conferences organized by the college during the last four years

Famous Personalities who visited the College during last four years

- **Prof. R. K. Sinha**, Head, Dept. of Applied Physics, Delhi Technological University; Dean- Academic [UG] & Chief Coordinator: TIFAC- Centre of Relevance and Excellence in Fiber Optics and Optical Communication; Mission REACH Program, Technology Vision-2020, Govt. of India, Delhi Technological University.

- **Shri Satyendar Jain,** Hon'ble Health, Home, Power, Industry & PWD Minister of NCT, Delhi.

- **Mrs. Achla Singh**, Director, Directorate of Higher Education, Govt. of NCT, Delhi

- **Prof. J.M. Khurana** ,Dean Student Welfare

- **Smt. Sheila Dixit**, Ex Chief Minister of Delhi

- **Shri. Kapil Sibal,** Minister for communication and IT

- **Dr. J.P. Sharma** (Joint Secretary of India, Ministry of Development of North Eastern Region; District Magistrate and Collector of Etah, Badun and Rae Bareli; Commissioner of Faizabad and Devipatan Division; Executive Director Food Corporation of India, Government of India)

- **Mr. Amit Singla,** Deputy Commissioner, North West District

- **Dr. D.K. Kansal** (Principal, Indira Gandhi Institute of Physical Education and Sports Sciences, Head, University of Delhi)

- **Dr. Vikram Singh,** Assistant Director Sports, JNU, Delhi

- **Dr. Gurdeep Singh**, Joint Secretory (Sports), Association of Indian Universities.

- **Mrs. Asha Aggarwal**, Deputy Director, (Sports) Education, GNCT of Delhi.

- **Dr. Sudershan Pathak**, Head, Physical Education and Sports, University of Delhi

- **Col. Rajyavardhan Singh Rathore**, Shooter and Olympian

- **Shri Rajesh Lilothia**, MLA Patel Nagar Constituency

- **Dr. Kiran Datar**, Advisor, National Knowledge Commission

- **Prof. Nayanjot Lahiri**, Dean of Colleges, University of Delhi

Eminent participants (speakers) who contributed to various departmental events –

- **Prof. Raj S. Dhankar** (Dean, FMS);

- **Prof. Lallan Prasad**, Ex-Dean Department of Business Economics

- **Mr. Amit Bhattacharya**, Research Head, AT Kearney

- **Mr. Justin Rabindra**, VP and Head of Training, Ogilvy & Mather

- **Ms. Shivani Saka**, Solution Manager, IBM

- **Mr. O.N Marwah**, Ex-Director Marketing, IOC

- **Dr. Harsh Mander**, Head, Centre for Equity Studies

- **Dr. Kiran Datar**, Advisor, National Knowledge Commission

- **Mr. Unmesh Shukla** (DGM-HR, Isolux Corson)

- **Mr. Anil Singh** (AVP Sales and Distribution, ICICI Prudential)

- **Ms. Kanika Whig** (GM-HR, Experion)

- **Ms. Praveena** (Project Coordinator, Jagori)

- **Mr. Atul Mittal** (Director-Tax & Regulatory, Deloitte Touche Tohamtsu India Pvt. Ltd.)

- **Mr. Eish Taneja** (Director, Professional Commercial Academy)

- **Mr. Sandeep Jain** (Software Engineer, Adobe Systems)

- **Mr. Aashish Chugh** (Sr. Technical Lead, CISCO Systems)

- **Mr. Alok Wadera** (AVP, Aricent)

- **Mr. Rohit Gambhir** (Senior Software Engineer, QA Infotech)

- **Prof. Brajesh Choudary** (Department of Physics and Astrophysics, University of Delhi)

- **Prof. Amitabh Mukherjee** (Head of Department, Department of Physics and Astrophysics, University of Delhi)

- **Dr. Ajoy Ghatak** (Retired Professor , IIT Delhi)

- **Mr. Sanjay Jain** (Free Scale Technologies Pvt. Ltd.)

- **Dr. Rajeev Jindal** (Moser Bear Ltd.)

- **Dr. Meena Mishra** (Scientist 'F' SSPL, DRDO, Delhi)

- **Prof. R.N. Mehra** (Emaeratious Professor, Sharda University, Greater Noida)

- **Dr. S.K. Muttoo**(Head, Department of Computer Science, University of Delhi)

- **Prof. Patrik Das Gupta** (Professor, Department of Physics and Astrophysics, University of Delhi)

- **Dr. Suneet Verma** (Associate Professor, Expert in Indian Psychology, University of Delhi)

- **Dr. Muzammil Karim** (Relationship Counselor, Clinical Psychologist and Couple Psychotherapist)

- **Prof. Suresh Aggarwal**, Dean, Faculty of Applied Social Sciences and Humanities, University of Delhi;

- **Prof. M. L. Singla**, Dean Faculty of Management Studies, University of Delhi.

- **Dr. Pawan Bakhshi**, Associate Director, Miocrosave

- **Mr. Anurag Walia**, V.P., Tata Communications Ltd

- **Mr. Raghav Saraswat** from Vatavaran (Non-Profit Organization)

- **Mr. Vinod K.Bansal**, C.E.O, Chairman, Ficus Securities Pvt. Ltd.

- **Mr. Nimesh Sharma**, Corporate Communications Evangelist, Elixir Consulting India

- **Mr. Pranav Chaturvedi**, Co-Founder, Director, International Institute of Financial Markets

- **Mr. Vivek Parti**, Chief Consultant, India Business Database.com

- **Mr. Gagan Girotra**, Co-Founder, PRXA

- **Mr. Manish Raina**, Sr. Consultant with Management Consulting practice of KPMG

- **Prof. (Dr.) S.K. Ghosh**, a Management, HR & Training Consultant & Accredited Master Trainer

- **Mr. Tarun Pandey** from Pearl Academy

- **Ms. Nivya Nair** and **Mr. Kunal Tyagi** from National Stock

- **Mr. Praveen Narang** a Professional life skills trainer

- **Ms. Jyotika Kalra**, Advocate-on-record, Supreme Court of India

- **Mr. Rajesh Gogna**, Advocate, Supreme Court of India

- **Prof. Ambrish Saxena**, Director Vivekananda Institute of Professional Studies

- **Dr. Seema Puri**, Associate Professor from Institute of Health & Nutrition

- **Dr. Indu Aggarwal**, Preventive Oncology, Rajiv Gandhi Cancer Institute and Research Centre, Rohini

- **Justice J.S. Verma**, 27th Chief justice of India

- **Mr. M K Singh**, Advocate, High court of Delhi

- **Ms. Minakshi Lekhi**, advocate, Supreme Court of India

- **Ms. Seema Malhotra**, Director , NGO ScopePlus

- **Rtn. Praveen Ahuja**, past president of Rotaract Delhi Westend

- **Rtn. Subhash Dhir**, past president of Rotaract Delhi Westend

- **Rtn. Adarsh Gupta**, past president of Rotaract Delhi Westend

- **Mr. D.L.Sahni**, Advocate, High court of Delhi

Famous Career Counselors

- **Ms. Usha Albaquerque**,

- **Ms. Pervin Malhotra**, and

- **Mr. Jitin Chawla**.

Renowned Maestros/ Artists

- **Ms. Shovana Narayan** (Kathak Dancer)

- **Pt. Shiv Kumar Sharma** (Indian Santoor player)

- **Smt. S. Kanaka** (Bharatanatyam Dancer)

- **Warsi Brothers** (Indian Qawwali musical group)

- **Mr. Shashank Subramanyam** (Grammy nominated renowned exponent of the Bamboo Flute)

- **Mr. Ronu Mukherjee** (Flute Maestro)

- **Mr. Haji Aslam Sabri** (Qawwali Singer)

- **Pandit Satish Vyas** (Indian Santoor player)

- **Ustad Akram Khan** (contemporary performer of Tabla)

3.7.6 Details on the systemic efforts of the College in planning, establishing and implementing the initiatives of the linkages/ collaborations

- The University of Delhi has signed MoU with the National Skills Development Corporation (NSDC) to facilitate the introduction of skill-based courses.

- The students from second and third year will have an opportunity to register in the skill based training program. These programs are based on National Occupational Standards (NOC) developed by the industry to bridge industry-academia gap for employability.

- NSS unit of the College is consistently working in the awareness campaign for woman safety. The NSS in collaboration with Delhi police have arranged free self-defence classes for the girl students of the College.

- Placement Cell of the College is making efforts to establish formal linkages/collaborations besides recruitment.

CRITERION IV: Infrastructure and Learning Resources

4.1   Physical Facilities

4.1.1 Institution's policy for creation and enhancement of infrastructure

- For creation and enhancement of infrastructure, various committees have been constituted in the College like Building Maintenance Committee, Central Purchase Committee, Hostel Committee, Library Committee, E-learning Committee, Internet and Website Monitoring Committee, Canteen Committee, Additional Floor Construction Committee, Land Acquisition Committee, Enabling Committee, Sports Committee etc. In addition, the departments also constitute their own Purchase Committee.

- These committees function on yearly basis. Various requirements for the creation and enhancement of infrastructure are identified and short-listed by these committees well in advance.

- The department purchase committees identify the requirements of departments for purchase of various instruments along with the specifications in their departmental laboratories keeping in mind the revision in syllabus from time to time and submit the same to the Principal. The requirements of various departments are then collected and a collective requirement is prepared.

- A budgetary plan is prepared. This is placed before the Governing Body of the College for discussion and approval. Once the Governing Body approves, the same is submitted to the Govt. of NCT of Delhi for fund allocation.

- Once the College receives the required fund from the government, the College makes necessary purchases through the committees as per General Financial Rules of Govt. of India effective from time to time.

- Also, some development work like maintenance of building and its infrastructure within the College is undertaken by Public Works Department (PWD) of Govt. of NCT of Delhi. The College identifies their requirements and the request is send to PWD. The PWD prepares a comprehensive plan along with budget estimate and submit to the college for onward transmission to the government for approval and sanction of funds in lieu. The government releases the fund directly to PWD and the required work is undertaken by them.

4.1.2 Facilities available for Curricular and Co-curricular and Extra–curricular activities

Table 4-1: Facilities for Curricular and Co-curricular activities

S.No.	Facilities	Details
1	Building Infrastructure	Existing facilities- • Seminar Hall

		• Administrative Block • Class Rooms- 28 • Lecture Theatre -6 • Library • Sports Ground • Teaching Block
2	Information technology & E-learning Resources	• Simulation Software • All class rooms equipped with projectors • Computers for academic purpose • Wi-Fi enable campus • Provision of Video Conferencing facility
3	Laboratories	• Commerce Lab. • Computer Lab. • Physics Lab. • Electronics Lab. • Chemistry Lab. • Mathematics Lab. • Psychology Lab. • Business Studies Lab.

Table 4-2: Facilities for Extra Curricular Activities

S.No.	Facilities	Details
1	Space For Organizing Events	• Auditorium • Amphitheater • Seminar Hall
2.	Sports Training Facility	• Badminton Court (Cement) • Basket Ball Court • Volleyball court (mud) • Cricket/Football Field area • Indoor table tennis • Gymnasium • Yoga • Chess

Seminar Hall

A fully air conditioned and well equipped seminar hall is used to host a variety of events throughout the year. The seminar room has a seating capacity of around 100 delegates and is equipped with an LCD projector, Interactive board and audio conferencing public address system.

Amphitheatre

The campus has a beautiful amphitheatre with five pillars symbolizing the five elements- air, water, sky, earth and fire. It has a seating capacity of 500 persons. It is a host to a variety of performances, competitions, street plays etc by students. It is also the hot favorite with students as it has borne witness to performers like Juggy D and Benny Dayal.

Auditorium

The College has a state-of-the-art auditorium with a seating capacity of 800 persons (Area~2569sq m). It is fully air conditioned built with best acoustics and high end sound and light facilities. It has two green rooms, one for boys and the other for girls. It has been the centre for all cultural and academic activities of the College. The auditorium, since its inauguration, has borne testimony to the talented performances of renowned maestros including Ms. Shovana Narayan, Sh. Shiv Kumar Sharma, Smt. S. Kanaka, Warsi Brothers, and Mr. Shashank Subramanyam, Ronu Mukherjee and Haji Aslam Sabri . The College has also organized Santoor performance by renowned Santoor artist Pandit Satish Vyas who was accompanied by Ustad Akram Khan on the Tabla. It has also witnessed an array of eminent speakers from diverse field of academics, management, IT industry, governance, and theatre who have shared priceless thoughts with the staff and students of the College.

It also serves as a platform to boost the confidence of the College students to come up and show their talent as dancers, singers, actors and display their capabilities as future professionals, managers and event organizers. It is a hub for major College events like the Orientation Program, the Annual Day, College Farewell, talks by eminent Professor's & personalities etc.

Table 4-3: Departmental Facilities

Department	Facility
Commerce	• The commerce department has well equipped computer lab (with internet facility) which is being used by the students as well as faculty members. • The IT enabled class rooms are being used for effective teaching. The faculty members have also been provided laptops. • The library of KMV is connected to the university library for access to the online journals subscribed by the university. The entire College campus has Wi-Fi connectivity.
Electronics	• Two electronics labs.(one is fitted with projector facility) • One dark room for conduct of optical electronics practical. • One computer lab for electronics practical.(No. of computers -30) **The major equipment in different laboratories are as follow:** • Multi-waveform advanced function generator(With AM, FM functionality) • Two Channel DSO (Digital Storage Oscilloscope). • Spectrum Analyzer • Digital Multimeters. • Facility for circuit simulation. • Optical bench setup for optical electronics practicals. • He-Ne Laser Setup. • Hall Effect setup, magnetic susceptibility, four probe method. • Multipurpose Analog Trainer kit. • Trainer kit for various electronic practical. • Michelson interferometer Setup.
Physics	• The laptop and projectors are used for the presentations and video demonstration of the lectures. Some theoretical topics are verified by using the experimental demonstration in laboratory. • Physics Computer Lab has approx. twenty computers, optical fibre based experiments, laser experiments, Digitial Oscilloscope and

	Michelson Interferometer setup. • All labs are Airconditioned • A separate Thermal Lab.
Business Studies	• Air conditioned Lab with internet facility and access to software like SPSS, Capitaline, ProjectLibre. • Access to University library system. • Facility of portable projectors. • Facility of Laptops for faculty and student use. • Access to SPSS software. • Facility of Printer for taking • Prints for tests or case studies.
Physical Education	• The Department of Physical Education has a gymnasium hall with various machines. • Indoor game facilities like Table Tennis, Chess, Yoga etc. and outdoor games like Basketball, Volleyball, Cricket, Netball, Korfball, Ball Badminton, Badminton, Football and Tennis etc.
Mathematics	• Laptop / Desktop with latest software viz. Mathematics, Tora, Matlab etc. are provided in the Mathematics Laboratory. • Projector is also available, for the effective demonstration of algorithms. • Online programmes and e-learning resources are regularly referred through Wi-Fi portals.
Computer Science	• Overhead Projectors are used from time to time. • The faculty tries their best to use "learn by doing" paradigm of teaching by exposing students to various software laboratories and use of different software teaching tools whenever possible, such as WinLogi Lab, CPU-Sim, Matlab, LC-3 etc. • IIT and MIT lectures and online resources are specified as online reference material in the curriculum. Other than these, ILLL is also expanding online eLearning resources. • The University provides access to various journals such as ACM, SCOPUS etc via DU Intranet.
Psychology	• The lab has a wide range of standardized Psychometric Tests applicable in clinical, organizational, social, neurocognitive and councling settings. A total of 36 Psychometric Tests and Scales are available in the Laboratory. • 10 desktops, 3 Printers and one Laptop are available in the Laboratory for students and teachers use. • Other special equipments and apparatus available in the lab are: ∗ 3 Digital Reaction Time Apparatus ∗ 3 Mirror Drawing Apparatus ∗ 4 Muller Lyer Apparatus with Stand ∗ 3 Digital Arm Type Blood Pressure Monitor ∗ 3 Digital Thermometer ∗ 2 Memory Drums

4.1.3 **Mechanism followed to plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized, and major facilities developed/ augmented in last four years**

- The college plans and ensures the optimal use of available infrastructure through various committees like Central Time Table Committee, Departmental Time table Committees, E-learning Committee, Hostel Committee, Sports Committee etc.

- The Departmental Time Table Committee submits their requirements of class rooms and the departmental laboratories to the Central Time Table Committee. The Central Time Table Committee ensures the optimal use of class rooms and laboratories by getting prepared a proper time table of the college and allotting time slots to various departments as per their requirements.

- The E-learning Committee ensures the proper use of all IT facility available in the college by students and teachers.

- The Hostel Committee ensures that various facilities in the hostel are optimally utilized by the residents.

- The Sports Committee adds various facilities for the students and ensures their optimal utilization.
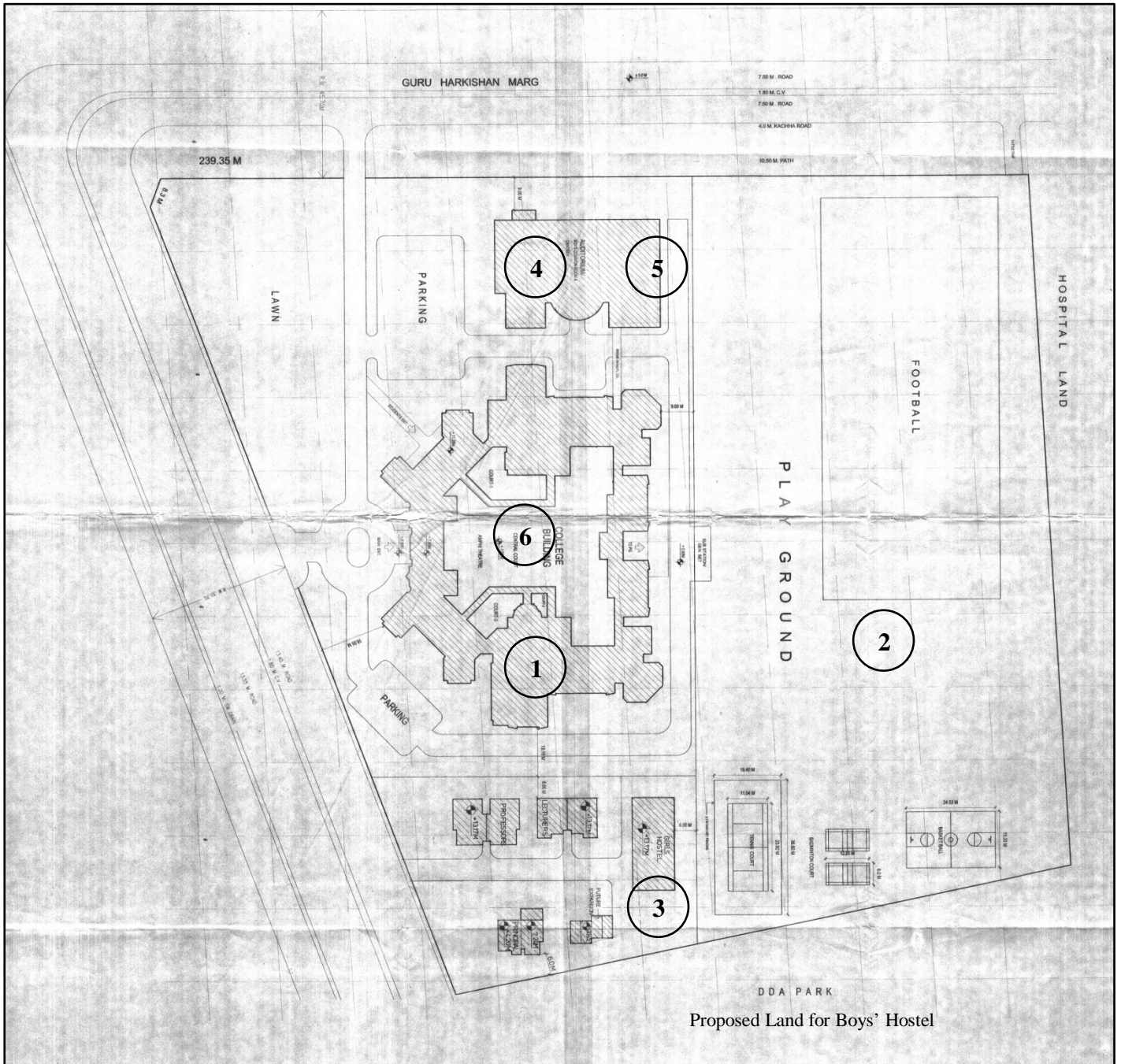
Figure 4-1: College Site Plan and proposed Action Plan

1. Library
2. Play Ground
3. Keshav Mahavidyalaya Girls' Hostel
4. Auditorium
5. Canteen
6. Amphitheater

Some of the facilities developed/ augmented during the last four years are provided in the following tables.

Table 4-4: Facilities added in the Hostel during years 2012-2015

S.No.	Particulars of items/ Equipments	Year	Quantity
1.	T.V. + Tatasky Set Box	2012-13	01
2.	Plastic Chairs	2012-13	20
3.	R.O. (50 Liters)	2012-13	01
4.	Air Cooler	2011-12	02
5.	Curtain Rod for Window	2012-13	73 meters
6.	Wall Clock	2012-13	01
7.	Aqua-guard Hi-Flo	2013-14 2014-15	02
8.	Towel Stand	2013-14	02
9.	Towel Stand	2014-15	04
10.	Notice Board	2013-14	01
11.	Chair (Iron)	2014-15	03
12.	Camera (Night Vision)	2014-15	16
13.	Cables (Hi -Resistance CCTV Cable)	2014-15	700 meters
14.	Digital Video Recorder	2014-15	01
15.	Power Supply	2014-15	02
16.	Video Amplifier	2014-15	06
17.	PVC Conduit Pipe	2014-15	500 feet
18.	Iron Ring	2014-15	06
19.	Steel Almirah (Without Locker)	2014-15	01
20.	Refrigerator	2014-15	02
21.	Iron Press	2014-15	01
22.	Ironing Board	2014-15	01
23.	Music System	2014-15	01
24.	Microwave Oven	2014-15	02
25.	Push Button Beetal Telephone	2014-15	02

The Sports Department improved the sports ground and added various facilities for the students.

Table 4-5: Sports Facilities Augmented during years 2011-2015

S.No.	Particulars of items	Year	Quantity
1.	Korfball pole (1 pair)	2011-12	01
2.	Volleyball poles (2 pair)	2011-12	02 pair
3.	Net ball poles (1 pair)	2011-12	01 pair
4.	Multi Gym Station (1no)	2011-12	01
5.	Roller (1 nos)	2011-12	01
6.	Ball and Badminton pole (2 pairs)	2012-13	02 pair
7.	Bush Cutter (1no)	2013-14	01
8.	Smith weight training machine	2013-14	01
9.	Loose weight training equipment 500 kg with 4 benches adjustable	2013-14	--
10.	Re-grassing of playground	2013-14	--
11.	Adjustable and Moveable Basketball pole	2014-15	--
12.	Marking Machine	2014-15	--

New instruments have been added in the departmental laboratories of various departments

Table 4-6: Facilities added to Laboratories of various Departments

S.No.	Particulars of items	Year	Quantity
Mathematics			
1.	Almirah	2010-11	02
2.	Mathematica - 08 Software	2010-11	03
3.	Laptops	2010-11	03
4.	Desktop Computers	2012-13 2010-11	40
5.	Computer Chair	2010-11	50
6.	File Cabinet	2011-12	01
7.	Computer Table (Fixed for 40 Computers)	2011-12	40
8.	Projector (Sony)	2012-13	01
9.	Laptops	2014-15	04
10.	Notice Board	2013-14	02
11.	Printer (Kyocera)	2013-14	01
12.	Wireless Amplifier	2013-14	02
13.	Blind Instrument	2013-14	01
14.	Collar Mike	2013-14	02
15.	Mathematica – 09 Software	2014-15	For 40 Computers

Business Studies			
1.	White Board	2010-11	1
2.	Chairs	2010-11	35
3.	Projector (InFocus)	2010-11	1
4.	Printer (Canon)	2010-11	1
5.	Shoe Rack	2010-11	2
6.	Almirah	2010-11	2
7.	Laptop (HCL)	2010-11	2
8.	SPSS (Software)	2010-11	1
9.	Capitaline (Software)	2010-11	1
10.	Computers (Dell)	2010-11	20
11.	Projector Screen	2010-11	1
12.	Almirah	2011-12	1
13.	Air Conditioner (LLOYD)	2011-12	1
14.	Book Shelf	2011-12	2
15.	Punching Machine	2013-14	2
16.	Projector (Sony)	2013-14	2
17.	Projector Screen	2013-14	1
18.	Computers (HP)	2013-14	10
19.	White Board with Wheel Stand	2013-14	1
20.	Portable Wireless Amplifier (Hi-Sound), Micro Phone (Tie Clip)	2013-14	2+1
Commerce			
1.	Antivirus	2010-11	35
2.	Laptops	2010-11	02
3.	Tally 9.0 software	2010-11	01(Multi user)
4.	Almirah	2010-11	02
5.	Shoe Rack	2010-11	01
6.	Book shelf	2010-11	01
7.	Projector (Optoma)	2010-11	01
8.	Desktop Computers (Acer)	2012-13 2010-11	40
9.	Computer chairs	2010-11	50
10.	Computer Table (Fixed for 40 Computers)	2011-12	40 (Fixed Table for computer)
11.	Notice Board	2013-14	01
12.	Mini Notebook	2014-15	03
13.	Printers (Xerox) All-in-one)	2010-11	02
14.	Printers (Brothers)	2013-14	02

Electronics			
1.	Digital Electronics Trainer kits	--	16
2.	Desktop Computers	--	29
3.	Printers	--	02
4.	Multi-meter (Digital)	2011-12	25
5.	Function Generator	2011-12	40
6.	Power Supply 30 V	2011-12	20
7.	Characteristics of LED and Photo Detector Setup	2011-12	5
8.	Sodium lamp source & spectrometer Setup	2011-12	2
9.	Michelson interferometer with He-Ne Laser source	2011-12	2
10.	Polari-meter	2011-12	5
11.	A to D converter study card	2011-12	10
12.	D to A converter study card	2011-12	10
13.	Study card 8155&8279	2011-12	14
14.	Study card 8257	2011-12	02
15.	Power supply (0-60 V)	2011-12	20
16.	DSO 60 Mhz	2013-14	31
17.	Microprocessor Trainer kit 8086(25)	2011-12	25
18.	Study card 8259	2011-12	02
19.	Study card 8255	2011-12	02
20.	Study card 8253	2011-12	02
21.	Study card 8251	2011-12	02
22.	Study card I/o interface8212	2011-12	02
23.	Serial port card of up kit	2011-12	02
24.	Study card keyboard interface of up kit	2011-12	04
25.	Hartley and Colpitts oscillator trainer	2011-12	05
26.	Diac characteristics Trainer	2011-12	05
27.	Triac characteristics Trainer	2011-12	05
28.	SCR characteristics Trainer	2011-12	05
29.	Rectifier Trainer	2011-12	05
30.	Transistor characteristics Trainer	2011-12	05
31.	UJT characteristics Trainer	2011-12	05
32.	BJT Amplifiers and emitter follower trainers	2011-12	05
33.	FET characteristics Trainer	2011-12	05
34.	MOSFET characteristics Trainer	2011-12	05
35.	FET Amplifier Trainer	2011-12	02
36.	Hall effect Trainer system	2011-12	02

37.	Hysteresis Loop Trainer (B-H curve) exp.	2011-12	05
38.	Planck constant Setup using photo cell	2011-12	05
39.	Planck constant setup using LED	2011-12	05
40.	E/m measurement setup	2011-12	05
41.	Carey Fosters bridge setup	2011-12	05
42.	Solar energy Trainer	2011-12	05
43.	Training board for RC phase oscillator	2011-12	05
44.	Universal frequency counter	2011-12	02
45.	Spectrum Analyzer	2011-12	01
46.	Speed control DC motor Setup	2011-12	03
47.	Three phase induction motor with control panel	2011-12	02
48.	Single phase induction motor with control panel	2011-12	03
49.	DC shunt motor with control panel along with DC power supply	2011-12	03
50.	D.C. Series motor with control panel along with d.c. power supply	2011-12	03
51.	Trainer kit for series inverter circuit	2011-12	02
52.	TDM pulse amplitude modulation/demodulation trainer	2011-12	05
53.	Data formatting and carrier mod/transmitter trainer	2011-12	05
54.	Data reformatting and carrier demodulation receiver trainer	2011-12	05
55.	TDM pulse code modulation transmitter trainer	2011-12	05
56.	TDM pulse code demodulation receiver trainer	2011-12	05
57.	Delta Adaptive delta and delta sigma mod/demodulation trainer	2011-12	05
58.	Pulse Amplitude modulation/demodulation Trainer	2011-12	05
59.	Pulse width modulation/demodulation trainer	2011-12	05
60.	Pulse position modulation/demodulation trainer	2011-12	05
61.	Amplitude modulation(SSB/DSB)Transmitter trainer	2011-12	05
62.	Amplitude modulation(SSB/DSB) Receiver trainer	2011-12	05
63.	Frequency modulation & demodulation trainer	2011-12	05
64.	Trainer board for SCR triggering technique	2011-12	03
65.	Trainer board for single phase controlled rectifier with Ramp comparator firing scheme	2011-12	03
66.	Training board for power electronics Lab Trainer	2011-12	03
67.	Training board for speed control of universal motor using SCR	2011-12	03

68.	Training board for SCR commutation circuits	2011-12	03
69.	Trainer board for Analog electronic Lab.	2011-12	05
70.	Prototype board for class A amplifier to be attached with analog electronics trainer	2011-12	05
71.	Prototype board for class B amplifier to be attached with analog electronics trainer	2011-12	05
72.	Prototype board for class C amplifier to be attached with analog electronics trainer	2011-12	05
73.	Trainer board for transmitter biasing circuits	2011-12	03
74.	Dual trace Oscilloscope(30 MHz) with microcontroller	2011-12	10
75.	Anderson bridge using A.C.	2011-12	05
76.	De-Sauty bridge setup.	2011-12	05
77.	Thermocouple Setup	2011-12	03
78.	Young's Modulus Setup	2011-12	05
79.	Maxwell's Needle setup with scale &telescope	2011-12	05
80.	Searle's method by wire setup	2011-12	05
81.	Boltzmann constant setup for diode with oven	2011-12	05
82.	Redberg's constant Setup	2011-12	05
83.	Rotational spectrum of iodine vapor Setup	2011-12	05
84.	Babinet compensator Setup.	2011-12	02
85.	Diffraction Experiment Setup using He-Ne laser 2mw	2011-12	02
86.	Newton's rings with sodium light source	2011-12	02
87.	Fresnel Bi-prism	2011-12	02
88.	Law of Mauls Setup.	2011-12	02
89.	Numerical aperture of optical fiber Setup	2011-12	02
90.	Diffraction grating with spectrometer	2011-12	03
91.	Resolving power of a prism with spectrometer	2011-12	03
92.	Laptops	2013-14	03
93.	Multitasking Printer	2013-14	01
94.	Online UPS (For Electronics Lab.)	2012-13 2013-14	04
95.	Air Conditioners(A.C.)	2011-12	02
96.	Computer Revolving chair	2011-12	05
97.	Wooden property counter	2011-12	01
98.	Computer Table	2011-12	02
99.	Filing cabinet	2011-12	01
100.	Almirah (steel)	2011-12	02
101.	Resistivity and Band –gap Measurment four probe Setup	2011-12	05

102.	Wooden stool	2011-12	50
103.	Wooden Table	2013-14	18
Physics			
1.	Wooden Property Counter	2011-12	01
2.	Wooden Stools	2011-12	50
3.	File Cabinet with locker	2011-12	01
4.	Computer tables	2011-12	10
5.	Computer Chairs tables	2011-12	20
6.	Window A.C.+ AC Stablizer	2011-12	01+01
7.	Measurement of field strength B & verification by solenoid	2011-12	01
8.	The Motion of Spring and calculate (a) Spring Constant (b) value of 'g'	2011-12	02
9.	Set up for measurement of magnetic susceptibility for liquids and Set up for measurement of magnetic susceptibility for solids.	2011-12	01
10.	Set up for measurement of coefficient of thermal conductivity of copper by Angstrom's method	2011-12	03
11.	Calibrate a thermocouple to measure temperature in a specified range (1) Null method (2) Direct measuring using an op-amp difference amplifier	2011-12	02
12.	Set up for Q factor of a Mechanical Oscillator	2011-12	03
13.	Setup for the Acceleration due to Gravity and Velocity for a freely falling body, using Digital Timing Techniques	2011-12	01
14.	Complete setup for the Coefficient of Thermal Conductivity of a bad conductor by Lee and Charlton's disc method.(Steam)	2011-12	02
15.	Set up for Young's modulus of wire by Optical Lever	2011-12	02
16.	Platinum Resistance Thermometer	2011-12	02
17.	Set up for Four Probe Method and determination of energy gap with temperature setup (a)DFP (B) DFP-RM	2011-12	02 01
18.	Complete setup for determination of Plank's constant (using LED's of at least five different known wavelengths)	2011-12	01
19.	Setup for measure the Numerical Aperture of an Optical Fiber	2011-12	01
20.	Complete setup for the polarization of light by reflection and to determine the Polarizing Angle for air-glass interface.	2011-12	02

21.	Power Supply(0-32 V/1Amp	2011-12	04
22.	Setup for the refractive index of a liquid by total internal reflection using Wollaston's air – film.(without spectrometer)	2012-13	03
23.	Setup for the Thickness of a Thin Paper by measuring the Width of the Interference Fringes produced by a Wedge-Shaped Film.	2012-13	01
24.	Tangent Galvanometer	2012-13	04
25.	To determine J by Callender and Barne's constant flow method.	2012-13	02
26.	Setup for Law of Malus for Plane Polarized Light.	2012-13	01
27.	Setup for Micrometer Sextant.	2012-13	02
28.	Carey foster Bridge 110 c.m.	2012-13	04
29.	Blinds & curtains	2012-13	64.13 (Sq.m)
30.	Air Curtains	2012-13	01
31.	A.C 1.5 ton Window	2012-13	01
32.	LCD screen(Toshiba LCD(40PB20)	2012-13	01
33.	Setup for e/m Apparatus with Magnet Method and Magnetic focusing method. (M/s Revco Instruments)	2013-14	01
34.	Laptop (Configuration: Intel Core i5,Operating System: Windows 8 Professional)	2013-14	02
35.	Desktop (Intel Core i3, Operating System: Windows 8 MAKE : HP (M/s Soft labs Solution)	2013-14	09
36.	All in one Printer (M/s NICSI)	2013-14	01
Psychology			
1.	Desktop-C	2010-11	06
2.	Printer HP L.J. P1008	2010-11	01
3.	Emotional Intelligence Test	2011-12	01
4.	Learning The Skills of Anger Management	2011-12	01
5.	Parent-Child Relationship Inventory	2011-12	01
6.	The Stress Management Game	2011-12	01
7.	Rosenweig Picture Frustration Test for Adult	2011-12	01
8.	Quality of Life Scale	2011-12	01
9.	Alexander Pass-a-long Test of Intelligence	2011-12	01
10.	Bhatia Battery of Performance Intelligence Test	2011-12	01
11.	16 PF Questionnaire- Fifth Edition With Hand Scoring	2011-12	01
12.	Piers-Harris Children's Self Concept Scale	2011-12	01
13.	Family Environment Scale	2011-12	01

14.	Children's Self concept Scale	2011-12	01
15.	Fear of personal death scale	2011-12	01
16.	Adjustment inventory for school student	2011-12	01
17.	Suicide Probability Scale (SPS)	2011-12	01
18.	State Trait Anxiety Test	2011-12	01
19.	Classroom Environment Scale	2011-12	01
20.	Family Environment Scale(FES)	2011-12	01
21.	Understanding and Managing Stress	2011-12	01
22.	Adult Suicidal Ideation Questionnaire (ASIQ)	2011-12	01
23.	Saguine Form Board Test With Handbook	2011-12	01
24.	Friedman Well Being -Scale	2011-12	01
25.	Almirah Without Locker	2011-12	01
26.	Air Condition (1.5 Ton) Window Stabilizer	2011-12	01
27.	Emotional Maturity Scale	2012-13	01
28.	Global Adjustment Scale (Student)	2012-13	01
29.	Laptop (Intel Core i5,Operating System: Windows 8 Professional)	2013-14	01
30.	Digital Arm Type Blood Pressure Monitor	2013-14	03
31.	Digital Thermometer	2013-14	03

Table 4-7: Facilities added in the Library during years 2010-2014

S.No.	Items	Year	Quantity
1.	• Scanner	2010-2011	01
	• Barcode Reader	2010-2011	01
	• Chairs	2010-2011	25
	• Tables for staff	2010-2011	02
	• Book Trolley	2010-2011	02
	• Heat Convector	2010-2011	03
	• Door Mat	2010-2011	01
2.	Slotted Angle Racks	2011-2012	10
3.	Barcode Scanner Roller Blinds for reading room	2012-2013	01
4.	CCTV cameras (along with hard disc, LED,DVR etc.)	2013-2014	12 CCTV

Table 4-8: Facilities added in the Administrative Block

S. No.	Particulars	Qty.	Amount (₹)
Year: 2013-14			
1.	HP Laserjet Printer	01	21,442/-

2.	Public Address System with Hand Mike (Cordless Mike) and Collar Mike (Tie Clip) for staff room	01	44,639/-
Year: 2012-13			
3.	Cordless Phone	01	4,700/-
4.	Bio-Metric Attendance Machine	01	8,375/-
5.	CCTV Camera	06	6,211/-
Year: 2011-12			
6.	Refrigerator	01	19,900/-
7.	File Cabinet	03	21,937/-
8.	Steel Almirah	02	14,000/-
Year: 2010-11			
9.	Computer	05	2,51,525/-
10.	HP 1008 Printer	02	
11.	HP LJ 1319F All-in-one Printer	01	
12.	Laptop	08	3,69,600/-
13.	Note Book	04	71,836/-
14.	CCTV Camera with 8 mm lense	02	10,480/-
15.	16 Ch. DVR with 16 Audio, VGA TCP/IP with Hard Disk 1 TB	01	34,462/-
16.	Air Conditioner	01	24,900/-
17.	Paper Shredding Machine	01	27,563/-
18.	Steel Etching Plate (Students Wall of Honor)	20	18,954/-

The College received a number of instruments from the University of Delhi as gift for use by the students and teachers. These instruments were installed and currently are in use.

Table 4-9: Asset Items Provided by the University of Delhi

S. No.	Particulars	Qty.	Allocation	Year
1.	Laptops	25	For Teachers	2012-13
2.	Projectors	25	For classroom	
3.	Notebook	17	For PwD Students	2013-14
4.	Laptops	542	530 For Students and 12 for teachers	
5.	Server	02	Installed / handed over at Server Room (adjoining room to Business Studies Lab)	2012
6.	Online UPS	03		
7.	Three Com Switch	01		
8.	Logitech Conference Camera	01		

9.	USB Speaker cum Mike, Make:Jabara	01		
10.	Computer Systems	40	Installed at ICT Lab (Commerce)	2012
11.	Computer Systems	40	Installed at ICT Lab (Mathematics)	2012
12.	Blind Instrument	01		2014
13.	Mathematica 9 Software	01		2014

The following table lists the expenditure incurred for development of various facilities in the college during the last four years:

Table 4-10: Expenditure incurred for development of facilities in the College during last four years

S. No.	Items Description for various departments	Financial Years			
		2010-2011	**2011-2012**	**2012-2013**	**2013-2014**
		Amt (₹)	Amt (₹)	Amt (₹)	Amt (₹)
1.	Chemistry & Biology Lab.	52,227	4,45,027	66,037	1,47,513
2.	Maths Deptt. Lab	2,78,100	7312	43,875	2,67,752
3.	Business Studies Lab	1409271	78362	12613	552617
4.	Advance to PWD for purchase Air Conditioners	00	00	5,50,000	00
5.	English Department	00	00	7525	00
6.	Library Expenditure	10,26,766	8,15,209	7,72,775	7,85,007
7.	Psychology Lab	00	25,750	00	51,022
8.	Physical Education (NR)	50,000	49,737	00	3,00,000
9.	Commerce Deptt. Lab.	3,18,731	00	1,07,865	90,791
10.	Electronics Lab.	00	86,11,734	3,93,217	5,16,474
11.	Physics Lab.	00	12,56,162	3,94,419	5,27,883
12.	Admin. (Staff room)	00	55,837	00	66,081
13.	Sports Expenses	00	00	00	73938
14.	Maintenance of Lab.	32,206	1,31,941	00	00
15.	Development of Garden & Playfield	9,938	24,001	20,270	44,446
16.	Magazine Expenses	99,918	1,08,800	74,550	1,05,354
17.	Maintenance of Lab.	00	00	2,20,399	2,52,302
18.	Hostel Expenditure	-	23,000	1,00430	13,287

4.1.4 Infrastructure facilities for the students with physical disabilities

Our College is equally committed toward the needs of differently-abled persons. All efforts have been made for improvement in the overall infrastructure, and in the learning and teaching methods for the differently-abled academic community irrespective of visual, hearing, orthopedics or other kinds of impairments.

- The College has a ramp at the entrance of the building.

- Lift facility has been provided near the entrance to enable students to reach different floors of the building.

- The College also has a toilet specially constructed for differently abled students and staff.

- The College is also planning to make available a wheelchair.

- The College has also requested the PWD to provide railings along the ramps.

4.1.5 Hostel facility for the college's girl students

- The College has Hostel facility available for its girl students. It accommodates 75 students on twin sharing basis. Two rooms are equipped to accommodate 3 students each.

- All rooms have ceiling fans and curtains. Each resident student is provided with a bed and mattress, one wardrobe/ almirah, one study table and chair, a bookshelf and an aluminium bin. Each floor has four bathrooms (with geysers in each bathroom) and four toilets with washbasins and looking mirror facility.

- An iron with an iron-board is also provided on the second floor which can be used by the residents whenever required. The hostel has three microwaves and refrigerators, one on each floor.

- There is an office room in the hostel for warden with computer facility. It has two computers. The intercom facility is also available for easy communication on each floor. Unlimited internet facility is being provided on the computer for the benefit of students.

- **Recreational facilities**: There is a student's common room well equipped with recreational facilities such as big screen TV and an audio system. The common room has four full size looking mirrors and two air coolers other than basic amenities.

- **Indoor games facilities** such as carom board, table tennis etc have been provided. Besides this, students can play games like basketball, football, badminton within the hostel premises or in the specific courts provided in the College premises.

- The hostel campus has beautiful lawns with several plants (flowers) (maintained by the gardeners) best for walking and exercising.

- **Computer Facility**: A desktop with internet connection is available for students.

- **Medical emergencies**: The Hostel is in close proximity of Bhagwan Mahavir Hospital. All cases of ailments are first referred there.

- A first-aid box containing some routine medicines is maintained in the medical room to help residents at odd hours. The medical room has a bed and washroom.

- **Library Facility**: The Hostel has no separate library. However, the Hostel being situated within the College campus, the residents have the College library facility for them till 5.30 pm on all working days.

- **Internet and Wi-Fi facility**: Access to internet is available for student's use on one desktop. However, there is no Wi-Fi connection within the Hostel Campus.

- **Residential Facility for Staff**: The Hostel campus has a Principal's residence, and one room set (with attached bathroom and a kitchen) accommodation for a Warden within the Hostel Building. The warden room is well equipped with a separate kitchen and washrooms, cupboards etc.

- **Drinking Water facility**: The residents are provided 24 hours supply of water. For safe drinking water, each floor has a Water Cooler attached with a water purifier, which can be accessed by the residents at all times.

- **Security**: Security Guards including a lady security guard are present in the Hostel for 24 hours in shift duties. The Hostel premises, common area, mess and each floor of the Hostel are under CCTV surveillance. The Hostel also has an announcement system with speakers fitted on each floor of the building to have a fastest broadcast communication with residents, especially in case of emergent situations.

- **Mess**: Hostel has a spacious mess area for dining with six wooden tables, 54 dining chairs, one water cooler with aquaguard and proper ventilation facility. Kitchen area is separate where food is cooked. Proper cleanliness is maintained in the kitchen. Separate washroom facility is there for mess workers.

4.1.6 Medical and health-care facility

Medical Facility on campus

- Medical room with bed and first aid facility. Stretcher & wheel chair facilities are soon going to be procured.

- Health Camps are organized for students & staff.

- A health and cancer checkup camp was organized for staff and students on Tuesday 30th April, 2013 by Metro Hospital & cancer Institute, Preet Vihar.

- An awareness talk for prevention of cancer was organized for staff and students on Thursday 17th April 2014. It was followed by free screening for breast and cervical cancer for staff.

- In case of emergency the patient is taken to nearby Bhagwan Mahaveer Hospital.

Medical Facility off campus

- To cater the health related needs of College employees and students, WUS (World University Service) with assistance from UGC has established various health centers.

- All employees and students of the College can avail medical assistance through its centers. Its north center has 14 full time doctors, 12 part time visiting specialists along with 42 paramedical staff and a fully functional physiotherapy unit that can be availed by College employees and students.

- In addition to this there is a list of empanelled doctors and hospitals which can be approached by the College employees (as per DU rules).

- Also in case of emergency, medical expenses of College employees are reimbursed as per DU rules.

4.1.7   Common facilities for special units

There is a common committee room in staff room of the College where meetings of special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit etc are held from time to time. Students are informed regarding these cells through notifications on notice boards provided at different places in the College.

Recreational spaces for staff and students

- **Canteen**: A spacious canteen has been made available for the students where a variety of quality food and beverages are made available at reasonable rates. The teaching and non-teaching staff also shares the canteen with the students.

- **Auditorium**: The College has a state-of-the-art auditorium with a seating capacity of 800 persons. It is fully air conditioned, built with best acoustics, and high end light and sound facilities. It has two green-rooms, one for boys and the other for girls. It has been the centre for all cultural and academic activities of the College. The auditorium, since its inauguration, has borne testimony to the talented performances of renowned maestros including Ms. Shovana Narayan, Sh. Shiv Kumar Sharma, Smt. S. Kanaka, Warsi Brothers, and Mr. Shashank Subramanyam.

- **Amphitheatre:** The campus has a beautiful amphitheatre with five pillars symbolizing the five elements – air, water, sky, earth and fire. It is a hub of activity and host to a variety of performances, competitions, street plays etc by students.

- **Staff Room:** College staffroom has chairs, tables and sofas where the teachers can relax and interact with each other. The pantry of the staff

room is well equipped with glass, cups, microwave, vending machine and RO water purifier system, to be used during tea breaks. The staff room has lockers for valuables, cupboards and separate washrooms for male and female staff. The staff room also has a committee room for holding meetings, and a notice board for displaying important information to teachers.

Sports Facilities

The Sports Department has ample infrastructure for participation in sports, both indoor and outdoor. A special room for playing table tennis, carom board and chess has been set up. The College campus also has badminton, lawn tennis, basketball courts and a huge playground for playing cricket and football.

Medical Facilities

- A Medical room with bed and first aid facility is available in the College. Stretcher & wheel chair facilities are soon going to be procured.

Safe drinking water facility

Water coolers with purification units were available on each floor for students and staff. However recently an RO plant has been commissioned and this drinking water is made available through Water Coolers.

4.2 Library as a Learning Resource

4.2.1 Advisory Committee

- The Library has a library committee which gives advices/ recommendations regarding fund allocation to various departments for purchase of books/ reference material.

- Library committee usually has four faculty members including the librarian.

- As per requirement, the meetings of the Library Committee are being held from time to time to distribute the funds/items to be procured for the library. T.I.Cs of various departments are also called for budget allocation, so that the funds could be distributed as per the need of concerned Departments and keeping in view the benefit of all users of the College.

- Grants received from UGC, Govt. of NCT of Delhi, University of Delhi (from University Development Fund) are appropriately distributed by the library committee in various departments so that the books etc. of all the subjects and for all users could be purchased for the overall development of the College.

Significant recommendations made by the committee:

- Library committee had recommended funds for the purchase of LIBSYS (LS ease) software in 2005-06.

- Library Committee also recommended funds for the purchase of Computers for College Library in 2005-06.

- Library committee also recommended funds for the purchase of 12 CCTV cameras with Hardware and Accessories in 2013-14.

- It has also recommended funds for installing Roller blinds in the Library Reading Room in 2012-13.

- It has also recommended funds for the purchase of Book-Trolleys, Chairs, Tables and Scanner (in 2005-06, 2010-11), and Barcode-Reader etc. in 2010-11 for the College library.

- Slotted Angle Racks (in 2005-06, 2011-12)

- The committee also recommends purchase of books on various subjects, Newspapers, Magazines, Stationary etc. every year for the Library use.

4.2.2 Library details

Total area of the library

The Library has a duplex structure covering an area of **866.67 sq. mts**.

Total Seating capacity

The Library has a seating capacity of around **150-200 persons**.

Working hours

The library is open from **9:00 am to 5:30 pm on all working days** including vacations.

Layout of the Library

- Keshav Mahavidyalaya Library is a Duplex library. It is well stocked, well furnished with tables, chairs, book cases, slotted angle racks etc. It is a spacious library comprising of a big air-conditioned Reading Room common for all users (i.e. Students/Teachers/Non-Teaching Staff) at the Ground Floor.

- The First floor of the library is divided into two partitions. One Portion has a Separate space for faculty with Round table and comfortable chairs for self-reading and research purpose. The other portion has reading room with tables and chairs for all users including six tables with partition.

- On the ground floor of the Library there is a separate Internet Lab for Students. Ten Computers are reserved for students for internet-access. Library has reserved five computers for Faculty for internet access/research work and two computers for Staff separately so that the concept of self-learning and research activities could be encouraged in a pleasant atmosphere.

- Also, the Library is Wi-Fi enabled for internet connectivity.

4.2.3 Purchases of the Library Holdings

The Library ensures purchases of current titles on the recommendation of the faculty members duly approved by the TICs of various departments, by consulting the publisher's catalogues, book reviews, publisher's websites, and

prescribed syllabus. The librarian ensures that all purchases to be made for various departments are within the allocated budget.

Table 4-11: The amount (in ₹) spent on procuring new learning resources during the last four years

Library Holdings	2010-11		2011-12		2012-13		2013-14	
	Qty	Total Cost (₹)	Qty	Total Cost (₹)	Qty	Total Cost (₹)	Qty	Total Cost (₹)
Text Books/ Reference Books	2589	8,34,011	1820	6,16,377	1594	5,60,526	1608	4,79,094
Periodicals: Newspapers /magazines	17/24	34,385	17/34	52,880	18/30	55,290	20/33	67,045
E-resources	- The College Library has the facility to access e-resources; e-journals provided by Delhi University Library System through Intranet. - There are approximately 30,000 e- journals/e-resources which are available at Delhi University website. Delhi University is spending approx. ₹ 3 crore of budgets on the purchasing of these e-resources. - The Library has more than 700 CDs/DVDs (As per record).These CDs/DVDs are issued to various departments of the College.							

4.2.4 ICT and other tools deployed in the Library

Table 4-12: ICT and other tools deployed in the Library

OPAC	Yes, OPAC of LIBSYS software package is available for access
Electronic Resource Management package for e-journals	College-Library has the facility to access e-resources, e-journals provided by Delhi University Library System through Intranet. There are approximately 30,000 journals available on Delhi University website. Delhi University is spending approx. ` 3 crore budgets on the purchasing of these e-resources.
Federated searching tools to search articles in multiple database	Searching facility provided by D.U.L.S. through internet.
Library Website	Information regarding library is available on the College website.
In house/remote access to e-publication	D.U./College provides User ID and password to every Faculty Member/Non-teaching staff/student to access e-publication
Library Automation	Keshav Mahavidyalaya library is fully automated /computerized through LIBSYS software package.
Total Number of computers for public	18 for public access

access	
Total number of printers for public access	Printing facility is available in the computer labs of the College.
Internet band width/speed	40Mbps-100Mbps
Participation in Resource sharing network/consortia (like inflibnet):	As provided by Delhi University Library System through its website.

4.2.5 Usage of the Library and its resources

Table 4-13: Library usage statistics

Average number of walk-ins	Approx. 200 Per Day
Average number of books issued/returned	Approx.150/145 Per Day
Ratio of library books to students enrolled	Approx.12:1
Average number of books added during last three years	Approx.5022
Average number of login to OPAC:	Approx. 25
Average number of login to e-resources	Approx. 20
Average number of e-resources downloaded/printed	Approx. downloads 25, printing facility is within the computer labs of the College.
Number of information literacy training organized	Delhi University Library System had organized two Information Literacy program in the College.
Details of "weeding out" of books and other materials	14 Chairs, 1cooler, curtains (20), palmate (Big Palmates-9,small Palmates-2)

4.2.6 Specialized services available in the library

The Library provides various services to its users i.e. Circulation Services, Technical Services (i.e. Classification and Cataloguing Services) Reprographic Services (Photocopier Service) and reservation service etc. to all the users of the College Library.

The Library also provides books on security during the examination period.

Table 4-14: Specialized services available in the library

Manuscripts	Nil

Reference	Yes, Reference Books are available in the reference section of the library.
Reprography	Yes, Reprography facilities are available in the Library.
ILL (Inter Library Loan Service)	Nil
Information Deployment and Notification	Yes, All notifications meant for students are notified on the notice board of the Library. Information regarding the Library is also available on College website.
Download	Yes
Printing	Printing Facility is available in all Computer Labs in their respective Departments.
Reading list/Bibliography compilation	The Library provides the facility on demand to its users
In-house/remote access to e-resources	Library provides the facility to access the e-resources provided by Delhi University library system through its website.
User Orientation and awareness	Orientation program is organized at the beginning of each academic session by the College and information regarding the library is also provided in the College prospectus and on College website.
In searching Databases	Yes, the Library staff is very cooperative and provides full assistance to the users in searching, whenever it is required.
INFLIBNET/IUC facilities	Nil

4.2.7 Support provided by the Library staff to the users

- The Library staff is very cooperative and provides full assistance to its users. The staff helps in locating books, periodicals etc. It assists users to search Database and download e-resources.

- The Staff locates books, periodicals and other materials for physically challenged users.

- Reference service is available for students and faculty members.

- Bibliographic services are provided as and when required by the users.

- Information related to student is deployed on the library notice board.

- Newspapers are displayed on the library newspaper stand and magazines are displayed on the periodical rack.

- Books are issued to Departments.

- Important D.U. news is highlighted on two national newspapers for the users.

4.2.8 Facilities to the persons with special need

- **Audio CDs and braille materials for visually challenged**: Staff locates books, periodicals and other materials for physically challenged users on need basis.

- **Reference Service**: Reference service is provided throughout the day on demand basis.

- One Notebook with better configuration and features is available in the College library for visually disabled users.

- The persons with special need are given priority in all services provided by the Library and therefore they are not required to stand in queues for any work.

4.2.9 Feedback

Library gets feedback from its users through interaction with them. Students, teachers and non-teaching staff can give their suggestions/feedback to the staff or the librarian anytime.

The following suggestions were considered and implemented by the library:

- Purchase and installation of CCTV cameras for the Library.

- Roller blinds for the Library reading room.

- Photocopier facility.

- Books on security are being provided to students during the examination.

- Newspapers and Magazines to be procured for the library are finalized only after getting recommendations from all users.

4.3 IT Infrastructure

4.3.1 Computing facility available at the College

- The College has the computer-student ratio of 1:8.

- There are a total of 334 Desktop PCs, 51 Laptops and 06 Servers as per details given below:

Table 4-15: Desktops details

S.No.	Details of Desktop Computer with configuration	Qty.	LAN	Wi-Fi
1.	Pentium - 1, HCL Intel Pentium 133,16MB RAM 1 GB HDD	01	YES	-
2.	HCL Intel Pentium 166 MHZ, 16 MB RAM 2 GB HDD (upgraded to 64 MB SD RAM/32 MB EDO RAM)	13	YES	-
3.	HCL Intel Pentium 166MHz	01	YES	-
4.	Vintron Pentium III 550, 64 MB RAM 8.4 GB	15	YES	-
5.	Pentium IV EVO D320 m Intel 845 GB chipset 2.4 GHZ 256MB RAM 40 GB HDD	25	YES	-

6.	Pentium - IV Compaq 2.4 GHZ Intel 845 GE Chipset 2.4 GHz, 256MB RAM, 210GB HDD	02	YES	-
7.	Compaq Desktop P IV	03	YES	-
8.	IBM Pentium IV 3.2 GHz with 2x256 MB DDR SD RAM, 80 GB HDD	14	YES	-
9.	Acer Pentium IV D915 Desktop B2 533 Mhz 160 GB SATA II HDD	27	YES	-
10.	HP Desktop Intel Core 2 , 2.4 GHz, 80 GB HDD	20	YES	-
11.	HP Desktop Intel Core 2 , 2.4 GHz, 80 GB HDD	20	YES	-
12.	Acer Pentium IV Desktop B2	04	YES	-
13.	HP Deskjet C2 (Intel Core 2 Duo) 1GB RAM	34	YES	-
14.	Compaq Desktop Intel Core 2 , 2.4 GHz	10	YES	-
15.	Wipro Desktop Super Genius - WSG 38215 V (Intel Quad Core) Q9550 (2.83 GHz Speed, 128 MB - L2 Cache, 13333MHZ FSD) V Pro Support 2 GB DDR II RAM 800 MHz	21	YES	-
16.	Acer Desktop Windows 7 Pro	80	YES	YES
17.	Wipro Desktop	05	YES	-
18.	Dell Desktop Intel i3-2100 CPU 3.10 GHz	20	YES	-
19.	HP Desktop Intel i3 CPU 3.30 GHz 64 bit OS	19	YES	-

Table 4-16: Laptop Details

S.No.	Details of Laptop with configuration	Qty.	LAN	Wi-Fi
1.	HP Compaq Pentium IV 2.8GHz, 01 Gb DDR	01	YES	YES
2.	HP Compaq NX6320 Intel Core DVot5600 1.83 GHz Processor with 2 MB (2 Cache 512 MB DDR 266 MHz 80 GB SATA	01	YES	YES
3.	HP Compaq 6730 B	10	YES	YES
4.	HCL Me 74 Series intel core i5	13	YES	YES
5.	HP Intel® Core ™ Windows 7 Home basic	02	YES	YES
6.	HCL M 480 intel core i5 2.67 MHz 4 GB RAM	02	YES	YES
7.	HP Laptop Probook 4430s	03	YES	YES
8.	HCL Laptop Windows 8 Pro Intel i5 3320 CPU@260GHz	01	YES	YES
9.	HP 450 Computer Notebook - Intel Core i3	03	YES	YES
10.	Intel® Core ™ I5 Laptops Windows 7 Pro	05	YES	YES
11.	HCL Laptop Windows 8 Pro Intel i5 3320 CPU@260GHz	04	YES	YES
12.	Acer AspireWindows 7 Homebasic	03	YES	YES
13.	Windows 7 Celeraon 300 GB 2 Gb RAM	03	YES	YES

Table 4-17: Server Details

S.No.	Details of Server with configuration	Qty.	LAN
1.	Compaq Server Proliant ML310 PIV 2.2 GHz 512 KB Cache	01	YES
2.	Acer Altos 1100 Server S 1100/ P III 450 MHz 128 MB SDRAM	01	YES
3.	Acer Server/ [Intel ®Xenon ® CPU E-5620 @ 2.40 GHz (Processor -2) with Microsoft Windows 2008 R2®]	02	YES

Table 4-18: Internet and other Hardware

S.No.	ICT Facilities	Description
1.	Separate standalone internet facility	18
2.	LAN Facility	All Desktops are connected on LAN
3.	Wi-Fi Facility	Facility is available through 6 Access Point 24 POE which is centrally managed by Router (Ruckus Zonal Manager 1100), and is further controlled by LDAP Directory that runs on a dedicated server.
4.	Licensed software	College has 18 licensed Software and 01 Office Automation Software as per List mentioned in Table 4-9.
5.	Number of nodes/ computers with Internet facility	All Desktop and Laptop are connected by Internet Facility
6.	Projectors	19
7.	Photocopy Machine	01
8.	Printers	49
9.	Scanners	05
10.	Printer/Scanner/copier/Fax 4 in 1 machine	05
11.	Portable Microphones	04

Table 4-19: Software Details

S.No.	Licensed Software	Qty	License Issued to
1.	Visual Studio 6.0	01	
2.	SCO Unix Rel 5 (5 user)	01	
3.	Oracle 8 workgroup server for win NT (5 user)	01	
4.	MS Office 2003 Prof.	01	Keshav Mahavidyalaya (The College)
5.	Adobe Photoshop CS2 ver 9.0	01	
6.	Turbo C++	01	
7.	Library LSEase Software 5.7.1 (5 user)	01	

8.	Adobe Acrobat Pro 9.0	01	
9.	Adobe Photoshop Extended CS4 11.0	12	
10.	Adobe Flash Pro CS4 10.0	05	
11.	Red hat Linux ES 5.0 Server Based	05	
12.	MS Visual Studio Pro 2008	05	
13.	Norton Antivirus (Validity 18 months)	02	
14.	Quick Heal Antivirus (Validity one year)	35 users	
15.	Mathematica Software	03	
16.	Tally 9.0	Multi User	
17.	SPSS	30	
18.	CapitalWise Plus Database (Validity one year)	Multi User	
19.	Quick Heal Antivirus (Validity one year)	Multi User	
20.	Office Automation System	Multi User	
21.	MatLab 2014a (Windows)	01	
22.	MatLab 2014a (Linux/Mac)	01	
23.	Mathematica 9 for Windows	01	
24.	Maxima 5.28 for Windows	01	University of Delhi
25.	SigmaPlot 12.5	01	
26.	SPSS 22.0	01	
27.	Office 2011 for MAC	01	

4.3.2 Computer and internet facility to the students and faculty

- **Computer and Internet facility** is made available to the faculty and students both on the campus.

- Out of the total of **540 Laptops**, 393 have been provided to students and 16 to faculty.

- **For PWD Students**, the College has provided 14 IBM Laptop specially assimilated and configured for ease and accessibility for students with special need.

- The College has a total of **06 Servers, 49 Printers, 05 Printer/ Scanner/ Copier/Fax, 05 Scanners and 19 LCD Projectors**.

- The College is a part of **National Knowledge Network's (NKN)** fiber optic Gigabit Network through University of Delhi with present Internet speed of 40 Mbps scalable to 1 Gbps.

- The Institute has **24 x 7 Wi-Fi enabled** campus accessible across the campus including the Canteen area, Amphitheatre and Auditorium so that no matter whether student is in the class or outside class they can get connected to the internet and access the learning material as per the need.

- All Desktops and Laptops have direct access to internet through password protected and domain enabled system. Every department is a part of centralized LAN besides having their own departmental network.

- College Girls' Hostel is also enabled by dedicated Internet Line which is provided by MTNL Broadband system so that they can avail the benefits of internet even beyond College hours.

4.3.3 Plans and strategies for deploying and upgrading the IT infrastructure

- All departments of the College have their own ICT infrastructure which is centrally connected through NKN Network. They can access the LAN network after authenticating themselves.

- The institute upgrades the ICT infrastructure as per feasibility and requirement on regular basis.

- Earlier, the institute used to get Internet access through the RF link through which bandwidth of only 40 Mbps was available for the campus, which had more than 500 nodes connected simultaneously. But after understanding the needs, the University of Delhi upgraded the Internet facility which is now provided via optical fiber lines, at the speed of 100 Mbps.

- The College has automated the Library using state of the art OPAC system. Administration and Accounts functioning has also been made efficient and smooth with the deployment of Office Automation Software.

- Keeping pace with the latest initiatives of the University, the College has also made significant efforts to move towards Free and Open Source Systems starting with porting 80 Desktops to Linux Ubuntu 12 LTS and is encouraging the use of open source software for curriculum and inculcating same values in the students. All Faculties laptop have Dual Boot.

- The concerned faculty members and other staff membershave also gained proficiency in the software usage by completing the workshops on Linux Basics which were held at the University of Delhi.

- Recently the College has purchased 02 Wi-Fi enabled projectors keeping in view the Massively Open Online Courses (MOOCs) project initiated by the University of Delhi.

- In addition, the College keeps upgrading the system as per the curriculum needs.

4.3.4 Annual budget details of last four years regarding ICT infrastructure

Following is the department wise expenditure to build state of the art ICT technology including Laptops, Projectors, CCTV for Library, Laboratories etc., and desktop during 2010-2014.

Table 4-20: Annual Expenditure on ICT Infrastructure

Academic Year	Department/ Items		Expenditure (in ₹)
2010-2011	Computer Fund	Expense on Computer Hardware and AMC	1,04,123
		Purchase of Computer Items	60,458
		Laptops for eLearning	4,41,437
2011-2012	Library	Computer AMC	14,240
		UPS Batteries	4,500
		UPS Repair	1,091
	Computer Fund	Expense on Computer Hardware & AMC	1,05,647
		Purchase of Computer Items	7,055
	Others	ICT (Laptop & Projectors)	8,37,572
2012-2013	Library	Computer AMC	25,308
		Repair of Computer Peripherals	15,337
		Barcode Scanner	12,075
	Computer Fund	Expense on Computer Hardware & AMC	59,944
		Purchase of Computer Items	11520
		Website Development	71000
2013-2014	Computer Fund	Expense on Computer Hardware & AMC	68284
		Purchase of Computer Item	36134
		Web Development	14000
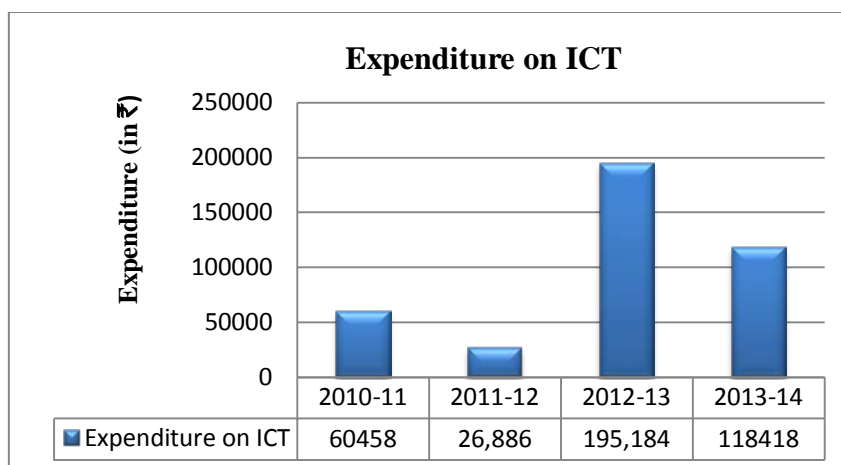
Figure 4-2: Expenditure on ICT

4.3.5 Effective use of ICT resources by the staff and students

- The College is 'going green' and saving paper through the extensive use of ICT resources and other freely available computing and storage facilities such as Cloud based Google Drive. Earlier, the College was using manual/paper based method for admissions and other regular College activities.

- Most of our faculty members ask students to submit their practical records via CDs instead of printouts and files, resulting in significant paper saving.

- The College has dedicated software for:

  * Students' admission,

  * Generating payroll of the staff, and

  * Online attendance system.

- The College is installing OPAC system for the Library which shall make the Library more user friendly making book search a trivial task.

- The College library also boasts of a computer center and our students and staff have access to Digital Libraries and journals like ACM, SCOPUS and many more provided via the University of Delhi.

- The College has a dedicated seminar room where frequent seminars and workshops are held for skill enhancement and knowledge. The room is equipped with 27 microphones, 01portable projector, Digital speakers, Desktop/laptop and connected by Wi-Fi and LAN

- Most of the classrooms of the College are fitted with projectors and the faculty members are encouraged to make teaching learning process more effective with the use of the ICT facility.

- The College has dedicated ICT labs which have high end systems to run sophisticated software such as MATLAB, Mathematica etc. in a smooth manner.

4.3.6 Student centric teaching learning process and use of ICT

- Institute has various Learning activities which are part of classroom teaching in various forms such as Assignments, Class-tests, Project Reports and Presentations which are also distributed by emails to the student.

- The student and faculty make use of Display on College website, email, group mails, and social networking tools for instantaneous communication and information disemmination. Students and faculty are provided with individual mail account on the College domain (keshav.du.ac.in).

- There are many ways in which teaching – learning resources have been deployed and made accessible for use by students to make them independent learner.

- The attendance is updated on the College website on monthly basis which can be easily retrieved by the students for their benefit.

- The College has been selected for University of Delhi's Premier Project DU MOOCS (University of Delhi Massive Open Online Course System). Only Four Colleges have been chosen for participating in the pilot run of this prestigious project. This is because the College is equipped with state of the art infrastructure required for these courses. In this project, the resource persons would be able to register for hosting the course, prepare course content using the ICT infrastructure and stream lecture over the

web so that anyone with a passion for learning, including our own students as well as distant underprivileged users can have free access to education.

- The College has all its classrooms ICT enabled so that teaching may be done more effectively by making use of Audio/Video, and presentations, especially in highly technical subjects or wherever required.

- Laptops are available for issuing them to the faculty members whenever required.

4.3.7 National Knowledge Network (NKN) connectivity

- Yes, the institute is connected to the National Knowledge Network which is supported by the University of Delhi. Also, now DU MOOCS is on the floor and is going to be available on NATIONAL KNOWLEDGE NETWORK (NKN).

- Institute has dedicated two AD server for monitoring and issue of password protected internet access so that only authentic users are allowed to access the NKN connectivity by their Desktop, Laptop, IPad and Mobile Instrument.

- Apart from this there are many other services which are running on Backbone of NKN Connectivity, few of them are:

  * Delhi University Wide Area Network (WAN).

  * College Local Area Network (LAN).

  * Access to Scholarly Content of UGC-Infonet Digital Library Consortium.

  * Local Resource Sharing Services of Delhi University Library System

  * Internet Services through dedicated Fiber Optic Network presently with 40 MBPS speed scalable till 1 GBPS.

  * Video Conferencing and Virtual classroom activities through the University developed application called Virtual Learning Environment (VLE).

  * Online Course preparation for DU MOOCS.

4.4   Maintenance of Campus Facilities

4.4.1 Ensuring optimal allocation and utilization of the available financial resources for maintenance and upkeep of various facilities

The budget allocated for maintenance and upkeep of various facilities in last four years is given below.

Table 4-21: Budget Allocated for Maintenance in 2010-11 and 2011-12

S. No.	Head	2010-2011		2011-2012	
		Allocated	Utilized	Allocated	Utilized
1	Building Fund	1,50,000	39,107	1,50,000	64,111
2	Furniture Fund	50,000	6,581	1,50,000	-
3	Equipment Fund	50,000	-	50,000	-
4	Computer Fund	-	-	-	-
5	Vehicle(College Car)	60,000	340	60,000	31,167
6	Maintenance of Xerox Machine	60,000	27,266	60,000	36,680
7	Repair & Replacement	1,50,000	15,762	150,000	79,564
8	Maintenance of Laboratories	2,50,000	32,206	250,000	1,31,941

Table 4-22: Budget Allocated for Maintenance in 2012-13 and 2013-14

S. No.	Head	2012-2013		2013-2014	
		Allocated	Utilized	Allocated	Utilized
1	Building Fund	1,50,000	32,818	1,50,000	45,960
2	Furniture Fund	1,00,000	1,02,235	1,00,000	-
3	Equipment Fund	50,000	-	50,000	-
4	Computer Fund	-	-	-	-
5	Vehicle(College Car)	60,000	2,300	60,000	1,780
6	Maintenance of Xerox Machine	60,000	30,747	60,000	25,400
7	Repair & Replacement	1,50,000	55,049	7,50,000	46,822
8	Maintenance of Laboratories	2,50,000	2,20,399	2,55,000	2,52,302

4.4.2 Institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the College

- Any problem relating to maintenance by staff and students is given in written to the administrative officer. The principal forwards the application to the maintenance committee which looks after the maintenance requirements and makes recommendations. Based on the recommendations, immediate action is taken for its repair and maintenance.

- The College building related maintenance is done by through PWD.

- The College has appointed a dedicated caretaker who deals with PWD on day to day basis and attends the routine maintenance work.

- Maintenance of the equipment in laboratories is looked after by scientific assistants, laboratory assistants and lab attendants appointed in each of the laboratories.

- Computers have been placed under AMC every year. For academic year 2014-15, the AMC has been done by Brisk InfoTech Solutions. The digital photocopier machine has also been placed under AMC.

- For other equipment need based outsourcing preferably form the manufacturer is done.

- The College website is maintained by a website monitoring committee.

- Also separate registers for lodging civil and electrical complaints have been kept at the main gate of the College. These complaints are regularly checked and handled by the PWD officials.

4.4.3 Institutional practices to take up calibration and other precision measures for the equipment/ instruments

The advanced laboratory instruments/equipment are calibrated and put on set precision mode by requesting manufacturer annually or as and when required.

- The other basic equipment/ instruments are calibrated by technical staff and faculty members during practical itself, which also gives students a technical understanding, as how to calibrate instruments.

- There is an Annual Maintenance Contract (AMC) with a competent IT maintenance company on a yearly basis to take care of the computer hardware in the laboratories.

- The company personnel visit the labs regularly as well as on need basis.

The performance of the company is reviewed quarterly to keep a check on their work. Annual checking of laboratory equipment and stock verification are regular practices at the end of every year.

4.4.4 Major steps taken for location, upkeep and maintenance of sensitive equipment

- Sensitive equipment like Servers are Run on ONLINE UPS 10KVA to provide uninterrupted power supply to the Server.

- Institute has dedicated Generators for all the ICT enabled Items which provide the back up 24x7.

- Automated Scheduled backup of data from server

- All Network Switches are run on the UPS Supply for protection from the power surge and voltage fluctuation.

- All system are run on standalone UPS.

- College has well maintained Emergency exit points near all sensitive zones.

- College also has Proper water supply available through the dedicated water tank in case of fire.

CRITERION V: Student Support and Progression

5.1   Student Mentoring and Support

5.1.1   Publication of Prospectus/ Handbook of the College for dissemination of information to the students

College Prospectus: The College publishes a prospectus annually before the admission process to provide detailed information to prospective students and other stakeholders.

- The prospectus provides information on the vision, mission, values and objectives of the College.

- It also gives details of various departments and courses offered in the College. Information about the Teaching and Non-Teaching staff members, clubs and committees, infrastructural facilities like Hostel, air-conditioned auditorium with 800 seating capacity, Library, Wi-Fi campus and around 34 E-equipped lecture halls/ class rooms, Computer Labs, Physics and Chemistry Labs, Electronics Lab, Psychology lab, Seminar hall, Medical facilities, Canteen, Amphitheatre, Sports room and Sports facilities etc., is given in detail to make the prospective students aware about the holistic learning environment offered by the College.

- The prospectus also contains information pertaining to courses available, the admission process, rules and regulations regarding discipline, attendance, internal assessment, complaint redressal mechanism etc.

- The details about the fee, scholarships, fee concession and financial assistance offered to deserving and needy students are provided in the prospectus.

- The prospectus also provides the details of events held in the preceding year and going to be held in forthcoming academic year.

Hostel information Bulletin: The Hostel information guide provides the detail about the hostel facilities, admission requirements and hostel rules and regulations to the girl students desirous of availing hostel facilities.

Annual Report: The Annual Report of the College gives information about the scholastic achievements of the students who have excelled in the University examinations and other co-curricular activities. It provides information about the academic and research pursuits of the faculty detailing their publications and achievements. The varied events organized by the different departments and societies of the College are also highlighted.

College Website: The College website is regularly updated to provide comprehensive information about the College and various departments to all the stakeholders.

5.1.2 Institutional scholarships / financial aid to students

Scholarships and fee concessions are given to desirous and deserving students and also to the students from under-priviliged sections of the society every year.

- The College has a 'Students Aid Fund (SAF) Committee'. The objective of the 'SAF Committee' is to provide financial aid and/ or books to those students who come from economically and socially weaker section of the society.

- 'Tuition fees' is also waived for these students.

- To accomplish this objective, the above Committee meets in the beginning of each academic year and invites application from the students who are eligible to get this aid for their study.

- Applications are scrutinized by the SAF committee and then entire fund is divided among all those applicants who fulfill the conditions set by the committee to avail this benefit.

- Final list of all eligible students of SAF is displayed on the notice board. The accounts department of the College reimburses the expenditure on books to these students.

The details of financial assistance provided to the students by the College during the last four years are as follows:

Table 5-1: Number of Students Provided with Financial Aid by the College

Description	2010-11	2011-12	2012-13	2013-14
Reserved category students (SC, ST and OBC) provided with financial aid by College in the form of books, fee concession and financial assistance.	3	16	50	107
Unreserved category students provided with financial aid by College in the form of books, fee concession.	3	7	10	6

5.1.3 Percentage of students receiving financial assistance from various agencies

- About 3% students have been provided scholarships by the University of Delhi and Govt. of NCT of Delhi and other agencies like the Indian Oil Foundation, POSCO, INSPIRE Scholarships under Department of Science and Technology, CBSE, Bihar Board, Haryana Board and UP Board in 2013-14

- In 2013-14 a total scholarship amount of ₹**10,09,242**/- was disbursed and in 2014-15 a total scholarship amount of ₹**12,82,009/-** was disbursed.

- Many students also apply directly for scholarships to State Boards and other relevant authorities which disburse the Scholarships to them directly.

The details of financial assistance provided to the students by the University of Delhi and Govt. of NCT of Delhi, CBSE, State Education Boards and other agencies during the last four years are as follows:

Table 5-2: Details of Students Receiving Financial Assistance from Various Agencies

Name of funding agency	Name of the scheme	Number of students	Amount (₹)
2014-2015			
University of Delhi	POSCO	1	30,009/-
University of Delhi	Vice Chancellors Student fund	2	3000/-+3000/- =6000/-
Department of Science and Technology	INSPIRE Scholarship	3 (for 5 years) each)	80,000/-*3= 2,40,000/-
Department of Science and Technology	INSPIRE DST	7 (for 5 years) each)	60000/-*7= 4,20,000/-
Department of Science and Technology	INSPIRE SHE	7(for 5 years) each)	60000/-*7= 4,20,000/-
CBSE	Central Sector Scheme of Scholarship for college and University Students	5 (for 3 years)	10,000/-*5= 50,000/-
Board of School Education Haryana	Merit Scholarship	2 (for 3 years)	10,000/-*2= 20,000/-
Board of School Education Haryana	HBSE Merit Scholarship	2(for 3 years)	10,000/-*2= 20,000/-
CBSE	CBSE Scholarship for Undergraduate program	5(for 3 years)	10000/-*5= 50,000/-
Indian Oil Corporation	Indian Oil Scholarship	2	18000/-*2= 36,000
2013-2014			
Department of Science and Technology	INSPIRE DST	7 (for 5 years) each)	60,000/-*7= 4,20000
Department of Science and Technology	INSPIRE SHE	7(for 5 years) each)	60,000/-*7= 4,20000
Board of School Education Haryana	HBSE Merit Scholarship	2(for 3 years)	10,000/-*2= 20,000/-
CBSE	CBSE Scholarship for Undergraduate program	5(for 3 years)	10,000/-*5= 50,000/-
University of Delhi	Vice Chancellors Students Fund	21	63,000/-
Govt. of Bihar	SC/ST/OBC Scholarship	1	25,951/-
Govt. of Bihar	SC/ST/OBC	1	10,291/-

	Scholarship		
2012-2013			
Govt. of NCT of Delhi	Award for meritorious Students	2	20,000/-
Govt. of NCT of Delhi	Post Matric Scholarship	2	7061/-
Department of Science and Technology	INSPIRE SHE	7(for 5 years) each)	60,000/-*7= 4,20,000/-
UP Board	Merit Scholarship	1	30,000/-
University of Delhi	Vice Chancellors Fund	6	12,000/-
2011-2012			
University of Delhi	POSCO Scholarship	1	24,002/-
University of Delhi	Vice Chancellors Fund	7	14,000/-
2010-2011			
University of Delhi	POSCO Scholarship	1	21,400/-
Govt. of NCT of Delhi	Meritorious Students Grant in Aid	5	25,000/-
Govt. of NCT of Delhi	Govt. of NCT of Delhi	6	30,000/-
Govt. of NCT of Delhi for SC/ST/OBC	Govt. of NCT of Delhi for SC/ST/OBC	2	9,660/-

5.1.4 Specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections

Students from SC/ST, OBC and economically weaker sections

- To aid the students from disadvantaged/ under-priviliged and economically weaker sections scholarships, assistance to purchase books from Students' Aid Fund etc. and fee concession are given every year to all the desiring candidates.

- The College provides the facility of concessional bus passes for its students, which is available on demand and has arrangement for the verification of DTC Bus Pass form.

- Facilities for Rail passes for daily travel to College from NCR are also available to the students at the College office. Railway concession is also provided by the College for visiting their parents at their home town (to and fro) during vacations only.

- Air concession facility is also provided on request.

Students with physical disabilities

- The Equal Opportunity Cell (EOC) actively looks after the interests of the differently abled students.

- They are given special attention and aid during the admission process for their stay and study and till they leave the College.

- EOC makes efforts for improvement in the overall infrastructure, and in the learning and teaching process for the differently abled academic

community irrespective of visual, hearing, orthopedics or other kinds of impairments.

- The College has provided barrier free path for the lifts (elevator) for differently abled persons. Special toilets are also constructed for them.

Overseas students

- The foreign students are extended all the required support during the admission process and after joining the College by the staff and students of the College.

- An enabling environment for their adjustment is created by providing mentorship, guidance and assistance in understanding the local language and culture by the teachers as well as fellow students.

- Initial hardships faced with respect to communication, expression and other academic issues are dealt with sensitivity and care.

Students to participate in various competitions/ National and International events

- Students are actively encouraged to participate in various co-curricular and extra-curricular activities and sports competitions at inter college, inter university, national and international levels.

- The students are given relaxation in attendance during the events and extra time during tutorials in order to compensate their study loss due to ECA and sports activities.

- The faculty members give them extra time for clearing their doubt/ review sessions so that they can make up for the academic losses.

- Regular notices/emails received for such events are communicated to the students through the College notice or through their group mail ids.

- The College website is regularly updated to provide information about various events and competitions being organized.

Medical assistance to students

- The College has a medical room with all basic first aid facilities.

- In case of emergency, the students/ staff members are taken to the adjacent Bhagwan Mahaveer Hospital or any other specialized hospital where prompt attention can be provided.

Organizing coaching classes for competitive exams

- Special talks with Alumni who have cleared entrance exams and interviews are organized, who give the students useful insights into cracking the exams and handling tedious interview questions.

- Guest talks to train the students for appearing for interviews, providing motivation to achieve their goals etc. are held from time to time. Talks on preparing for interviews, participating in group discussions, CV profiling etc. have been organized in the past to acquaint the students with practical corporate expectations and train them in handling competitive situations with confidence.

Skill development (spoken English, computer literacy, etc,)

It is an endeavor of the College to constantly enhance the skill set of its students in varied areas and equip them to handle the challenges of the competitive world.

- The curriculum of most of the courses contains papers on computers in each semester to make the students computer literate.

- The teachers actively encourage the students to get hands on experience on the computers by giving them assignments and asking them to make presentations etc. and helping the students who do not have such skills.

- The students are encouraged to plot the graphs and do their calculations on computer using software available in the labs. For doing their research projects, the students are encouraged to use SPSS and other software available in the labs.

- The College has signed an MOU with National Skill Development Council (NSDC) under the aegis of University of Delhi. The Institute, in collaboration with NSDC, organized one month skill development program for the students during the summer vacations in June-July 2014. NSDC is a government initiative that started its Star Program (signed by DU) last year. It had following Assistant Companies:

  ∗ BFSI (Banking Financial Services & Insurance): BFSI provided banking & financial services to the above courses.

  ∗ SCC (Skill Council Corporation): SCC provided training to the students who had enrolled themselves in equity share and dealing course.

  ∗ ILFS (Infrastructure Leasing & Financial Services): ILFS hired Centum (an Automotive Company) to provide training to the enrolled students.

It has launched following courses during June-2014:

Equity Share and Dealer Training Course: 100 students were enrolled for the above certificate course. 97 students were also awarded with a cash prize of ₹ 4,000 each. This course was designed to help students to play the role of Equity dealer who buys and sells investment and financial instruments on behalf of their clients. The equity dealers also provide market insights and investment advice to potential and existing clients as per the organizational standards and procedures.

Automotive Course: 27 students enrolled themselves for the above certificate course. This course was designed to help students to play the role of Customer Relationship Executive (CRE), Stores Operations Manager and Sales Representative. The Customer Relationship Executive (CRE) is responsible for assisting and supporting sales function through telemarketing, activities such as generating sales prospects or leads through telemarketing, customer experience at the dealership showroom and supporting in their follow ups. The CRE is also responsible for supporting the service function through follow-up calls for after sales service. The Stores Operations Manager needs to manage all aspects of

material viz. safe receipt, storage-stock, retrieval and issue/ dispatch for the manufacturing processes adhering to the laid down SOP and schedule requirements. The Sales Representative is responsible for sales, growth and account penetration either in the retail market, to OEM dealers/ distributors or directly to the key customers/ accounts. The person is also responsible for developing new markets for the auto component products and securing new business accounts/customers.

- The College also offers Certificate courses in French and German to equip the students with cross cultural communication skills in this globalized world.

- The medium of instruction in most courses is English and the students, especially from Non English Medium schools, are motivated to enhance their communication skills while answering and asking questions. However, the faculty members also use bilingual (English and Hindi) medium of instruction while teaching the students with Hindi background, to make them understand the subject easily.

Support for "slow learners"

- To aid the slow learners and students who do not have basic skills/ knowledge on certain subjects, one-on-one guidance is provided on their request besides the usual lectures, during tutorials and preparatory leave.

- The faculty members give extra sessions for clearing doubts to these students so that they can make up for the academic losses.

- Cluster classes for B.Sc. Mathematical Science 3rd year students were organized.

- Students are always encouraged for clarification on any topic or for discussions outside the class.

- Special emphasis is given to slow learners by giving them extra time to enhance their quantitative abilities and communication and presentation skills.

- Peer learning is encouraged and meritorious students are asked to help the slow learners.

- Special tests are conducted for them to monitor their progress and additional assignments are assigned to them for giving detailed feedback overcoming gaps in their expression.

- Simplified versions of books are recommended to them.

Exposures of students to other institution of higher learning/ corporate/business house etc

- Visits from faculty/ representatives of other institutes of higher education, participation in workshops/seminars/guest lectures by representatives from academia, corporate houses and entrepreneurs are organized from time to time to raise the bar and enhance the practical knowledge of the students.

- Interactive sessions with eminent faculties from IIT's, DRDO etc. and other professionals from renowned organizations like GE Money, CRISIL,

KPMG, Ogilvy and Mather, ICICI Prudential, TATA Communications, ICAI, NSE etc., have been organized to enhance the knowledge base and ignite the students' desire for new ventures. A list of renowned personalities/ scientists/ academicians /corporate leaders who visited the College in the past is detailed in section 3.7.4.

- Students participate in various National and International Conferences under the guidance of the faculty members which give them an interface with latest happenings and opportunity for interaction with faculty and staff of other institutions

- Regular industrial visits are organized. Industrial visits are part of the Curriculum of BBS and B.Com. (H). In the past students have visited organizations like Jubliant Organysys, Honda Motors, Railcoach Factory, LG Electronics, Yakult Danone India Ltd., Halonix, Relaxo Footwear Pvt. Ltd., Frontier Biscuits Pvt. Ltd. to name a few. Visits have been arranged to NSE, NPL, IIT, Trade Fairs to give the students exposure to the actual learning and business environment.

- The students take up internships with companies and also undertake research projects with the corporate.

- Numerous technical festivals are organized by various colleges and institutes nationally throughout the year. The students are notified regarding the same via both the college notice boards and electronic medium. The students are encouraged to participate in such events and many have brought laurels to the College.

Publication of student magazines

- The College publishes its magazine '**DWARIKA**' every year. The Editorial Board comprises of both the faculty and students.

- The magazine provides the students with a powerful medium to express their creativity by contributing their articles, poetry etc. in Hindi and English.

- It highlights the academic, cultural and sports activities of the College.

- The Department of Business Studies brings out '**PERSPECTIVE**' its annual newsletter which charts the event trajectory and varied accomplishments of the Department every year. It also publishes **EVENT BROCHURE** during its annual flagship events CEO and COGNIZANCE. A **PLACEMENT BROCHURE** designed, created and compiled by students is also taken out every year by the department.

- The Commerce department publishes its annual magazine '**GENESIS**' providing platform to the students and teachers to share their ideas and develop their writing skills.

- The Psychology department takes out its magazine '**PSYNOPSIS**' to encourage students to express themselves and become more knowledgeable in their field.

5.1.5 **Efforts to facilitate entrepreneurial skills, among the students and its impact**

The students of the College are the budding entrepreneurs of tomorrow. Recognizing this fact, the College actively supports and facilitates entrepreneurial ventures by its students who dream to make it big by starting small.

- Seminars, Guest Talks and Workshops by entrepreneurs in various fields have been organized to propel the students in becoming independent and self-sufficient, and become employment generators rather than seekers.

- For the annual festivals and events, the students are required to prepare formal proposals, brochures and seek out sponsorship from various organizations, corporate houses and retailers for the festival. The money is used for prizes and other expenses incurred for holding the festival. This activity gives them a practical exposure to the realities of marketing and business world, making them effective communicators, negotiators and organizers.

- A number of students have started their own successful ventures while still in College or immediately on passing out.

- The students of developmental psychology and counseling psychology have been sent for organizing free seminars and lectures in schools and colleges which provided them a platform to share their theoretical knowledge with others. It helped them not only gain confidence but also widened their horizons of work beyond rigid boundaries of job like being a career consultant.

- A few entrepreneurial ventures started by the students of Department of Business Studies are:

  * **Mithas by Sumeeta** - A hand made chocolate manufacturing and delivery venture by Vatsal Sethi (Batch 2011-2014)

  * **A Word a Thought**- A website which gives subscribers daily updates on meanings of words in Shri Guru Granth Sahib and other religious updates by Baljit Kaur (Batch 2011-2014)

  * **Delhi Street Football -** A novel concept of street football with 5 players known as Futsal by Tushar Bedi. (Batch 2008-2011)

  * **The Alumni Fraternity (TAF) -** Started by Rahul Gupta of Business Studies to stay connected with Alumni. (Batch 2007-2010)

  * **Pustaken** - An entrepreneurial venture by Devendra, Keshav, Mohit and Pratik to buy and sell first and second hand books online. (Batch 2012-2015)

  * **Feeding India** - is a social enterprise by Ankit Kwatra, working to tackle two rampant and interconnected problems of India, that of food wastage and hunger, by helping the needy to get an access to the excess cooked food from restaurants and caterers in marriages, functions etc. (Batch 2010-2013)

5.1.6 **The policies and strategies of the College to promote participation of students in extracurricular, co-curricular activities, cultural activities etc**

The College is committed towards developing the students by encouraging them in participating in various extracurricular activities. The necessary facilities are provided and adequate funds are allocated. The College believes that for an overall development of personality and skills, participation in various cultural, technical and sports activities is as important as attending regular classroom lectures. This provides great exposure and goes a long way in enhancing self-confidence and developing team-spirit and sportsmanship amongst the students.

The College employs various policies and strategies to promote participation of students in various co-curricular activities:

- Special attention/care towards students who have missed significant number of lectures on account of participation in various sports & cultural activities and other competitions.

- Efforts are made by the teachers in the form of providing extra coaching to such students during lab hours and free periods which helps them to compensate for any academic loss.

- Relaxation in attendance is given to the students during their participation in various competitions/ activities.

- To ensure the holistic and all round development of the students, the College has the following societies. The aim of all these activities is to provide ample opportunities to the students to develop their qualities of initiative, organizational skills, public speaking, leadership, self-help and self-expression.

Departmental Societies

- **BLITZ**: Brilliant Information Technology Zealots Computer Society is developed to organize events such as seminars, debates and computer festival (Blitz Kreig) to keep the students abreast of new advances in the fast changing world of information technology.

- **BIZWORLD**: Department of Commerce has a society named "BIZWORLD" which provides a platform to the students where they can express their views on current economic issues through events like debates, quiz, poster competitions, extempore and group discussions. It also organizes annual commerce Festival (Fledgling). The department keeps organizing guest talks to keep its students updated about the latest trends in industry and enhance their knowledge base.

- **COSMOS**: Physics society named COSMOS, provides exposure to the students in the form of special lectures, poster presentations, debates and various competitions. The Physics society Cosmos also organizes its annual Physics Festival 'Curiosity'.

- **ELECTRONIKA**: The Electronics society "ELECTRONIKA" organized various inter-college competitions and its annual event, the Electronics festival 'ELEXONIA'.

- **INPSYCH**: "INPSYCH" is the society of the Psychology department. The focus of the society is on organizing seminars, workshops, and field visits. It also organizes its annual Psychology Festival 'Fenestra' in which paper presentations and a host of other events like Quiz, JAM, Psychodrama, Treasure hunt, etc., are organized.

- **METAMORPHOSIS**: The Bachelor of Business Studies Society organizes its annual convention cum cultural fest COGNIZANCE, a two day event which incorporates a seminar and a number of management based and other cultural competitions. It also organizes C.E.O., an event for school children which includes a career counseling session and a number of events to give them a platform to hone their managerial skills and be exposed to the various career choices available to them. Besides this the department regularly organizes Guest Lectures and Talks by renowned academicians and representatives from industry. Friday activity is an integral part of the event calendar in which students come forward and organize intellect stimulating management based activities.

- **MODULUS**: Mathematics department has its society "MODULUS" which organizes various inter-college competitions and its annual event.

Cultural Societies

- **ADVAITAA**: The dance society ADVAITAA provides a platform to the students to showcase their dancing talent through varied dance forms. Advaitaa, meaning one in a million, is the western dance society of Keshav Mahavidyalaya. The students of the college through the society have represented the college at various levels bringing many accolades. A few of the achievements of the students in the past two years include: (*Full details of all achievements in Annexure B1*)

  * 1st position, at Apeejay Institute of Management

  * 1st position, at Technia Institute of Management

  * Got selected amongst the top 5teams at IIM-Ahmadabad

  * 3rd position, at Asia Pacific Institute of Management

  * 1st position, at Bhartiya Vidya Bhawans' Usha Mittal Institute of Management

  * 1st position, at Symbiosis, Pune

  * 3rd position, at Institute of Home Economics, New Delhi

  * 1st position, at Shyama Prasad Mukherjee college, University of Delhi

  * 1st position, at JIMS, IP University

  * 2nd position, at Fortune Institute of International Business

  * 1st position, at DIAS, IP University

  * 1st position, at NTPI.

  * 2nd position, in Solo dance, IIM, Ahmadabad.

  * 3rd position, at Bhagini Nivedita college (DU)

* 3rd position, at Dance dream land

* Selected in the top 5 teams at IIT Roorkee

- **ANHAD**: ANHAD, the Music Society gives an opportunity to music enthusiasts to bring forth and nurture their music skills. The Music Society of Keshav Mahavidyalaya has specialized in Sufi Rock and Bollywood Medleys/ melodies over the years. The band has won various positions in the past two years in the Battle of Bands Competitions which are listed below. (*Full details of all achievements in Annexure B1*)

  * 1st position at University of Delhi's largest cultural fest Antardhvani, 2015.

  * 2nd position, at University of Delhi's largest cultural fest Antardhvani, 2014.

  * 2nd position, at IIT ROORKEE's Annual cultural festival Thomso 2015.

  * 3rd position, at Ambedkar University.

  * 1st position, at Antardhvani, 2015 organized by University of Delhi.

- **VAGMITA**: VAGMITA, as the name suggests is the eloquence- the art to express, to say the unsaid. VAGMITA Debating cum Poetry Society is one of the youngest societies of the college. VAGMITA has always worked on a simplified thought- Be the voice you would want to hear in your support. The students have brought numerous laurels by honing their creative expression through the society and winning in many poetry and debate competitions. Some of their accomplishments in the past two years are enumerated below. (*Full details of all achievements in Annexure B1*).

  * 1st position, Hindi Creative Writing, Maitreyi college (RHAPSODY-2014)

  * 1st position , Poetry Recitation, Ram Lal Anand College

  * 1st position, Creative Writing, Ram Lal Anand College

  * 1st position, Expressions- spin a yarn, Kamla Nehru College

  * 1st Position, Microsoft India V fest-JAM Delhi Zonals

  * 1st position Engifest, creative writing), DTU

  * 1st position, PEN YOURSELF (Creative Writing), Sri Guru Nanak Dev Khalsa College

  * 1st position Kavya Mela (Poetry, recitation), Sri Guru Nanak Dev Khalsa College

  * 1st position Surlok, (Poetry+ creative writing), Sri Guru Nanak Dev Khalsa College

  * 1st position Tarang, (Poetry+ creative writing), LSR

  * 1st position, Aagaz- creative writing PGDAV college

  * 1st position Hindi debate interjection, Maitreyi college

* 1st position, IIT Bombay, Mood Indigo-Poetry
* 1st Position. Slam poetry, Miranda house
* 1st t position, Aagaz- poetry, PGDAV college
* 1st position, Eloquence-Kavi Sammelan, BPIT
* 2nd position Hindi Swarachit (Poetry), Sri Venketeswara College.
* 2nd position, Hindi Creative Writing, Maitreyi college
* 2nd position, Creative Writing (Inkhead), Motil Lal Nehru College
* 3rd position, Hindi Sahitya Sabha, Kavya Path,SRCC
* 3rd position, Hindi Sahitya Sabha, Kahani Buno,SRCC
* Best Speaker in Debate, Daulat Ram college
* 1st Runner up, Microsoft India V fest-JAM Delhi Zonals
* 2nd position, Turncoat, Ram Lal Anand
* 2nd position, Innovision- English poetry, NSIT
* 3rd position, Techfest-debate, Miranda House
* 3rd position, IIT Bombay, Mood Indigo-Poetry
* 2nd position, Slam poetry, Miranda house
* 2nd position, V connect, VIPS
* 2nd position, Josh-Poetry, Ramanujan college
* 2nd position, Innovision- Hindi poetry, NSIT
* 2nd position, Acumen-Humour me, JMC
* Consolation, Rotary club, RYLA
* Consolation, Hindi Sahitya Sabha, Crative Writing, SRCC
* 2nd position, Poetry Recitation, Bhagwan Parshuram Institute of Technology (BPIT)
* 2nd position, Kavi Sammelan, FLEDGELING organized by KMV
* Certificate of Merit at Talent Unlimited, JIMS
* Certificate of Merit for Original Poetry, Antardhvani

* **MANIERA**: The Fine Arts Society of Keshav Mahavidyalaya provides a medium to students to express their creative selves with numerous activities like Rangoli making, decoration and creating the best out of waste. The members of the society have demonstrated an excellent exhibition of their varied talents in the festivals organized by the college. It's a very young society which in a short span of time bagged many positions in various events. Some of its achievements in past two years are enumerated below. (*Full details of all achievements in Annexure B1*).

  * 1st position, in Rangoli Competition, Apeejay Institute Of Advance Studies

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* 2nd position, in Rangoli Competition, Janki Devi Memorial College

* 3rd position in Rangoli Competition, Janki Devi Memorial College

* 1st position, in Rangoli Competition, Hansraj College

* 1st position, in Rangoli Competition, Gargi College

* 1st position, in Rangoli Competition, Vivekanand Institute Of Professional Studies

* 1st position, in Rangoli Competition, Shivaji College

* 1st position, in Rangoli Competition, Delhi Institute Of Advanced Studies

* 2nd position, in Rangoli Competition, Kirori Mal College

* 2nd position, in Rangoli Competition, Technia Institute Of Advanced Studies

* 2nd position, in Rangoli Competition,Keshav Mahavidyalaya (Tryst):

* 1st position, in Rangoli Competition, Keshav Mahavidyalaya (Blitzkreig)

* 2nd Position, in Rangoli Competition, Keshav Mahavidyalaya (Fledgling)

* 1st position, in Artival, IIIT Delhi

* 1st position, in Trash Fashion, Delhi College Of Arts And Commerce

* 2nd position, in Face Painting, Janki Devi Memorial College

* 1st position, in Waste Craft, AIIMS

* 1st position, in Ad Making, AIIMS

* 1st position, in Waste Craft, Maitreyi College

* 1st position, in Sketching, IIIT Delhi

* 1st position, in Cartoon Making, IIIT Delhi

* 2nd position, in Graffiti, IIIT Delhi

* 2nd position, in Mask Making, IIIT Delhi

* 3rd Position, in Waste Craft, AIIMS

- **SHADES**: The College's Dramatics Society gives a platform not only to actors but also to writers, directors and many others who are encouraged to bring forth their talent. The SHADES team has brought many laurels to the College. Some of their accomplishments in the past two years are listed below. (*Full details of all achievements in Annexure B1*)

  * Among top 8 teams in Street Play - KAR-MAA, IIT Bombay, MOOD Indigo - Delhi Prelims

  * 1st position, at IIT Bombay, MOOD Indigo Finals at Mumbai

  * 2nd position, Street Play - KAR-MAA, IILM, Lodhi Road

* 3rd position, Street Play - KAR-MAA, Ambedkar University

* 1st position, Street Play - KAR-MAA, Sahitya Kala Parishad, Mahavidyalaya Natya Samaroh, Best Production

* 2nd position, Street Play - KAR-MAA, NOKIA India Fest- Delhi Zonals.

* Among top 8 teams in Street Play - KAR-MAA, IIT Bombay, MOOD Indigo - Delhi Prelims

* 1st position, at IIT Bombay, MOOD Indigo Finals at Mumbai

* 2nd Position, Street Play - KAR-MAA, IILM, Lodhi Road

* 3rd position, Street Play - KAR-MAA, Ambedkar University

* 1st position, Street Play - KAR-MAA, Sahitya Kala Parishad, Mahavidyalaya Natya Samaroh, Best Production

* 2nd position, Street Play - KAR-MAA, NOKIA India Fest- Delhi Zonals.

* 1st position, Street Play(SYNERGY-2013), Apeejay Schcool of Management

* 1st position , Street Play - HAQ HAI, Apeejay Institute of Management

* 2nd position, Street Play - HAQ HAI, Maharaja Surajmal Institute of Management

* 1st position, Street Play - HAQ HAI, NOKIA India Fest- Delhi Zonals.

- **ROTRACT CLUB:** Founded in 1995, the ROTRACT CLUB aims at developing a sense of responsibility in students through a variety of social welfare activities such as cleanliness campaigns, adult literacy, book donation drives, visits to old age homes and orphanages, child welfare and relief programs. The club organizes blood donation camp; clothes donation drives, and works in collaboration with NGOs every year to encourage the spirit of service amongst students. The Rotract club of the college aims to instill in the students a sense of community by actively engaging them in socially responsible initiatives and contributing in whatever way they can to uplift the current state of being.

- **ENVIRONMENT CLUB** – PRAKRITI- Let it Grow' is the motto of the Environment Club-PRAKRITI. The club has always worked hard to promote the green culture. The activities of the club attempt to impact the mindset of the students in both direct and indirect ways to appreciate and respect the environment. Recognizing the importance of environment as a holistic entity to be respected and not merely used, the club activities include planting trees, recycling waste, taking steps to control air/water pollution. It reiterates the idiom "TAT TVAM ASI" (that thou art) i.e. man is a constituent of his environment.

- **SPICMACAY**: is a society that carries forward the torch of India's classical music and culture across to the new generation. In recent years, SPICMACAY organized performances from guests like Pandit Viswa

Mohan Bhatt, Pandit Shiv Kumar Sharma, Shovana Narayan, Warsi Brothers, S. Kanaka, Shashank Subramanyam etc.

- **WOMEN'S DEVELOPMENT CELL**: The cell plays a very important role in sensitizing on issues related to gender. It aims to empower young minds with discourses' on equality and regularly organizes interactions to make the students aware about gender issues. It has organised a workshop on Sexual Harassment – Ramification and Remedies with panellists Ms. Jyotika Kalra, Advocate-on-record, Supreme Court of India, Mr. Rajesh Gogna, Advocate, Supreme Court of India, Prof. Ambrish Saxena, Director — Vivekananda Institute of Professional Studies. A workshop on Health and Nutrition was also organized in which Dr. Seema Puri, Associate Professor at the Department of Nutrition, Institute of Home Economics, University of Delhi deliberated on various health issues. A seminar on Breast and Ovarian Cancer organized with Dr. Indu Aggarwal, Preventive Oncology, Rajiv Gandhi Cancer Institute and Research Centre as the resource person.

- **THE EQUAL OPPORTUNITY CELL**: The EOC makes efforts for improvement in the overall infrastructure, and in the learning and teaching process for the differently abled. The College has provided barrier free path for the lifts (elevator) for differently abled persons. Special toilets are also constructed for them.

- **NSS**: The College has an NSS wing which organizes various activities in the form of talks, lectures, cleanliness drives, self-defence classes and camp, which are very helpful to the students and staff regarding their environment and health issues.

The Cultural and Co-Curricular Activities organized by the College during a calendar year are:

- **Orientation Day:** An orientation day for students is organized on the first day of the academic session in the College Auditorium to introduce them to the College and their teachers and apprise them on various activities and departments of the College.

- **Fresher's Welcome:** The academic session begins with a warm welcome for the newly joined first year students. The seniors hold a fresher's welcome which provides a platform for the interaction between the seniors and the juniors.

- **Annual Cultural Festival:** The Annual Cultural Festival, held every year in the months of February/March, is a cultural panorama on the College campus. It provides a forum for students to display their varied talents and compete with students of other colleges in different cultural events.

- **Sports Day:** The Sports Department organizes a sports day every year which sees an enthusiastic participation by both students and teachers in various games.

- **Annual Day:** The Annual Day is held in the College every year. On this day, the deserving students are felicitated. The University and College Examination toppers and achievers in other extracurricular activities are

rewarded for their achievements with certificates, prizes in the form of books and medals.

- **Farewell:** As the journey down the lane of undergraduate life draws to a close, the juniors bid adieu to the graduating students by holding a Farewell function in early April.

- **Departmental Academic Festivals**: In addition, all departments organize their independent academic festivals and other co-curricular activities from time to time during the year. These activities provide a platform for the interaction amongst the students of various courses of different colleges, and offer a forum for students to display their varied talents.

- As an encouragement and appreciation, the students who participate in sports competitions and ECA activities are given relaxation in the attendance where required. Not only this, the teachers assist the students in updating on the lectures/ topics missed during that period.

Special dietary requirements, sports uniform and materials

The College provides both indoor and outdoor sports facilities to the budding sportspersons.

- Indoor sports facilities include a Gymnasium hall, Table Tennis hall, and facilities for Chess, Carom Board and Yoga.

- The College grounds are used for football, cricket, basketball, netball, koffball, ball badminton, badminton, tennis etc.

- The Department of Physical Education ensures that the dietary and other requirements of sports persons of the College are taken care of. Daily refreshment of ₹ 30/- per player during coaching camps, conveyance charges of ₹ 50/- per player during Intercollege tournaments, Refreshments of ₹ 50/- during inter-college tournaments are given.

- Playing kits and other sports equipment are provided. Track suits are given to inter-college position holders and participants in national championships.

- Cash Prize of ₹ 10000 (ten thousand) for participants in All India Inter University Tournaments have been given. Annual Sports day is organized for students and staff in which a wide variety of athletic and fun events and Chess, Football. Basketball, Volleyball and Cricket matches are held.

5.1.7 Details of the support and guidance provided to the students in preparing for the competitive exams

The College offers a mix of academic and professional courses. The academic courses prepare the ground base for students to take up post-graduation/ research. Professional courses equip the students with skills to either go for employment or further studies. The College tries to provide support system for the students from either of the courses who are interested in appearing for various competitive examinations. Students who are willing to appear in various competitive examinations are helped by the teachers in providing guidance, study material and counseling. The topics of the syllabus discussed

in the class are also explained from competitive exams point of view. Students have access to library and can refer various books related to competitive examinations and tests. Besides these motivational lectures on positive attitude, smart goals, leadership, handling interviews etc. are also organized.

5.1.8 Details of the counseling services made available to the students on academic, personal, career or psycho-social front

The College makes adequate arrangement for guidance of students during the time of admissions. A help desk is put in place during admissions to facilitate the queries from students and parents. The College has been organizing 'open days' under the aegis of the University of Delhi in its auditorium to provide a mechanism for addressing queries of the large population of students along with their parents on courses and the admission process. The College nominates its faculty also to go for counseling sessions for students organized by leading newspapers in the city. The faculty also counsels the student during the admission period. The choice of the career and other issues of the students are listened to very carefully and solutions provided. The Department of Psychology has been running ''ÇONSELLENZA'' a counseling cell to address the counseling needs of students. The cell tackles various problems faced by students ranging from examination stress, career choices to personal and family issues. Students who have relatives with psychosocial disorders also freely approach the cell representatives to take advice. The students are offered complete confidentiality and the issues are discussed on an informal basis to enhance confidence. The teachers make it sure to guide and counsel them to the best of their abilities.

5.1.9 Details of the institutional mechanism and services provided to students for career guidance and placement

- The College has an active placement cell which is linked with the Central Placement Cell (CPC) of University of Delhi.

- The CPC Coordinates with the College Placement Cell Coordinators to ensure placement of all students. Student Coordinators from different courses are also appointed to ensure active participation and dissemination of placements information.

- The Department of Business Studies also has a Central Placement and Development Cell (CPDC) which organizes placement drives on a regular basis, placing students in various job profiles in collaboration with the Central Placement Cell of the College.

- Some of the major recruiters in the past are AT Kearney, Corporate Executive Board, McKinsey Knowledge Centre, Grail Research, LIBSYS, Wipro, IBM Daksh, Module-I, Jaypee Capital, PN Vijay, Capital IQ, Protiviti, Mansukh Securities and Finance, Weird Logics, TATA Capital, Atero Recycling and MarkIT and many more.

- The cell also conducts Interview preparation and CV building sessions. The Placement cell also takes care of student internships and have

successfully assisted students in securing internships with a number of reputed organizations.

- The College placement cell in collaboration with Aspiring minds conducted an employability test AMCAT through which a number of students were shortlisted by companies like: HCL Technologies, ING VYASA, Accenture, MphasiS (An HP Co.) to name a few.

- Every year the students of Department of Business Studies, under the guidance of their faculty, bring out a Placement Brochure to facilitate the placement process.

- The College placement cell organizes several training sessions, talks, guest lectures and mock interviews to facilitate the holistic development of its students and to equip the students with soft skills to ensure their preparedness for the job market.

- Placement Committee and sub-committee meetings are convened at least once a month for follow up. Student sub-committee meetings are convened at least twice a month for taking initiative towards organizing placement drives in College and encouraging other students to actively participate in the same.

- Career Guidance seminars or guest talks are also arranged as and when convenient during the year to make students aware of possible job opportunities, opportunities for higher studies and for entrepreneurial start-ups.

- The following mechanism has been developed by the placement committee for the functioning of the placement cell

Table 5-3: The Schedule of the College Placement Cell

S.No.	Task	Month
1.	Display of application inviting nominations of final year student from each course for forming sub-committee to coordinate Placement work with the students of their course	First week of August
2.	Constitution of Sub Committee and Display of names of selected student representative of each course	Second week of August
3.	Collection of student details (Name, Course, Phone No. and email id) to create a database	Third week of August
4.	Registration of Teacher Coordinator and 2 student coordinators from I/II year with CPC	Fourth week of August (or when started by CPC)
5.	Registering for placement and internship with Central Placement Cell, University of Delhi	Fourth week of August (or when started by CPC)
6.	Forming group mail ids of students for each course from the database so collected by lab support staff	First week of September
7.	Meeting with student sub-committee to create/update the database of companies recruiting w.r.t. their respective course and initiation of calling prospective recruiters	Second week of September
8.	Organizing campus placement drives	Second week of September onwards

5.1.10 **Details of the student grievance redressal cell**

A Grievance redressal Cell has been constituted in the College for addressing the grievances of the students. Although most of the students' complaints get redressed at the teacher level or teacher-in-charge level, they can be notified directly to the cell or through the Grievance box placed at an accessible location. Also, depending upon the nature of the grievance, students can approach several other committees of the College like:

- Internal Complaints Commitee
- Anti Ragging Committee
- Proctorial Committee
- Hostel Proctorial Committee
- Enabling Committee for Admissions

The details of the mechanism adopted by the Grievance Redressal Cell to accomplish its objective are as follows.

1. At the beginning of every academic term a notice is put up at prominent places, on the student notice board and on College website displaying the Grievance redressal cell members' names.

2. The students can place their grievance applications in writing in a grievance box installed near the Principal's office.

3. The committee opens the box periodically and meets to discuss the grievances of students.

Some examples of situations where student's grievances/ suggestions were received and solutions implemented are:

- A student expressed concern over dirt and filth outside the College wall near gate number 3 in the first week of February, 2015. The college authorities also discussed the matter with the local MLA who has assured to get the matter addressed so as to stop people from dirtying the wall and the surrounding area.

- Students from B.Tech. Computer Science, III Semester had been erroneously charged the same fee as that charged for B.Sc. (H) Computer Science, which was requested to be reimbursed and this fee was duly reimbursed by the accounts department.

- Students had complained in January '2015 of problems in water supply on the second floor. Action was taken immediately and direct taps from the centralized RO plant were installed and water supply to the floors was provided.

- A student had complained about the intentional removal of notices put up on the notice board by other students which was checked by putting locked glass casing on the notices so that they cannot be tampered with.

- A student complained about not receiving his certificate for the National Skill Development Course organized in the college which was verified and subsequently given.

5.1.11 Institutional mechanisms to resolve issues pertaining to sexual harassment

The ICC (Internal Complaint Committee) as per gazette notification has been constituted for resolving issues pertaining to sexual harassment. The name of its members along with contact details are notified on the College website and at all prominent places on the College notice boards. Students and the staff members of the College can directly approach the committee or the higher authorities.

5.1.12 Anti-ragging committee and its role in the College

- The College has a zero tolerance policy for ragging and has an Anti-ragging cell which carefully keeps a check on the menace of ragging and ensures that no untoward incidents of ragging take place on the campus.

- Sub-Committees of teachers are also constituted to keep a vigil during first few months. These teachers go on rounds to ensure no incident of ragging is taking place.

- Signage, Notices and Posters informing students about the 'No tolerance for Ragging' policy of the college are put up at all prominent places.

- CCTV cameras installed all over the College and Hostel building are used for vigilance.

- Orientation Program is organized in the beginning of the session in which seniors are sensitized and juniors are apprised about the problem and informed about the mechanism to be followed in case of a problem.

- Anti-ragging helpline numbers are notified and procedure to be followed in case of a ragging complaint specified.

- Feedback on an informal basis is taken from students to know about problem they face.

- Affidavits signed by parents and students during admission claiming that they will not engage in any sort of ragging activity are taken during the time of admission itself.

In the **Girls' Hostel** too, students are sensitized towards the issue of ragging.

- The Proctorial committee visits the hostel and ensures that no such incident takes place.

- In the beginning of the session Anti-ragging notices are put up at all prominent places in the campus.

- No instance of ragging has been reported during last few years.

5.1.13 Welfare schemes for students

With welfare of students super most in its agenda, the College provides various facilities.

- Scholarships and financial aid from the Students' Aid Fund is provided to students from meritorious as well as disadvantaged sections.

- Counseling and Career Guidance is provided through the counseling cell and individually by all faculty members.

- Every possible help and encouragement is provided to the students to participate in intra-college, inter-college, inter-university competitions.

- Various cultural and sports events are organized from time to time to ensure a holistic development of the students.

- The College has well-equipped sports room and gymnasium to allow students to relax and unwind.

- A spacious playground for cricket, football etc. and courts for basketball, volley ball etc. are available.

- Medical facility is provided and in case of any medical emergency, students are taken to the Bhagwan Mahaveer Hospital which is adjacent to the College.

- A Canteen providing wholesome food at subsidized rates caters to the students.

- A girl's hostel allows girl students staying at far off places to stay in a secure environment.

- Photocopy facility is available for students in College Library. The same is made available for prospective students at the time of admissions.

- An RO system provides purified water for drinking on all the floors of the College.

- An ATM facility has also been provided on the campus.

- A huge spacious air conditioned library and reading rooms equipped with internet facility allow students to study and enhance their knowledge.

- The College provides Wi-Fi facility to its students to access internet from anywhere throughout the campus.

- The College also provides the facility of concessional bus passes for its students, which is available on demand and has arrangement for the verification of DTC Bus Pass form.

- Rail pass for daily travel from NCR towns is facilitated to the students.

- The facilities for rail and air concession are also available to the students at the College office for visiting their parents at their home town (to and fro) during vacations only.

5.1.14 Information regarding the College's Alumni

The College is in the process of building alumni database and getting its Alumni Association registered.

- The Business Studies Department organizes its alumni meet on a regular basis. These meets provide an opportunity for the students to learn from their seniors, get information on internships and job opportunities through networking with the alumni.

- The alumni are able to give them necessary guidance on how to handle interviews and apply for jobs based on their experiences and expertise. Some alumni who have initiated their own start-ups also offer internships and job opportunities to the students.

5.2   Student Progression

5.2.1   and 5.2.3 The percentage of students progressing to higher education or employment (for the last four batches)

- A number of students have gone on to do their post-graduation from renowned institutions such as IIM Lucknow; IIM Indore; IIM Kolkatta; IIM Shillong; Oxford University; ESADE Business School, Spain; NIFT, Mumbai; IIFT Kolkatta; ICFAI Hyderabad; KJ Somaya Institute of Management, Mumbai; SP Jain Institute of Management, Mumbai; TISS, Mumbai; XLRI Bhubneshwar; Symbiosis, Pune; IMT, Ghaziabad; and many more.

- The placement cell of the College has been actively placing students in companies of repute individually and in association with the central placement cell of the university.

- Since most of the students are studying at an under graduate level, majority prefer to go for higher education.

- Once students pass out, it is difficult to track their progression but the alumni interactions provide an opportunity to update their progression information to some extent.

- The students especially from the professional courses in the college are placed in Organizations such as Hindustan Unilever, KPMG, McKinsey & Company, Goldman Sachs, American Express, McKinsey Knowledge Centre, Ernst and Young, Smart Cube, Corporate Executive Board, Infinite Computer Solutions, TATA Capital, Newgen Technologies, Bank of America, Sapient, Google, Groupon, Punjab National Bank and many more reputed organizations.

- A detailed report of the students placed in industry in the last four years is given in Annexure B2, and the number of students is given below.

Table 5-4: Number of Students Placed in Last Four Years

Academic Year	No. of students placed	Name of the Organizations
2013-14	23	Capital IQ, WeirdLogics, Shabad Foundation (A Word A Thought), 99acres.com, Capital IQ, Protiviti Consulting, TATA Capital, McKinsey Knowledge Centre and Dewan Holidays.
2012-13	21	KPMG, Libsys, Weird Logics, Smart Cube, TATA Power, CRISIL, CEB, Capital IQ, HUL
2011-12	15	TAM India, Attero Recycling, Capital IQ, Central Bank of India, Trident Industries, CEBSumanglamImpexPvt. Ltd.,

		Capital IQ, Yebhi.com, Tata Capital, Protiviti Consulting, Smartcube
2010-11	7	Protiviti Consulting, Capital IQ, GRAIL Research

5.2.2 **Details of the programme wise pass percentage and completion rate for the last four years, and programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district**

Programme wise pass percentage and completion rate for the last four years

Table 5-5: Programme wise Pass Percentage of Students

S.No.	Course	Percentage of Students passed			
		2010-11	**2011-12**	**2012-13**	**2013-14**
1	BBS	100	96.55	97.14	83.78
2	B.Com (H)	99.12	100	97.37	82.00
3	B.Sc.(H) Maths	87.50	96.88	100	78.38
4	B.Sc. (H) Comp. Sc.	85.71	96.39	95.83	94.12
5	B.Sc.(H) Elect.	100	87.88	56.67	74.29
6	B.Sc.(G)Math. Sc.	93.33	88.46	90.63	60.0
7	B.Sc. (H) Physics	94.12	100	44.44	59.46
8	B.A. (H) Psychology	100	88.89	86.36	90.91
9	B.Sc. Physical Science	80.95	63.33	47.37	66.67
10	PGDCA*	100	100	-	-

*PGDCA discontinued from 2010-11
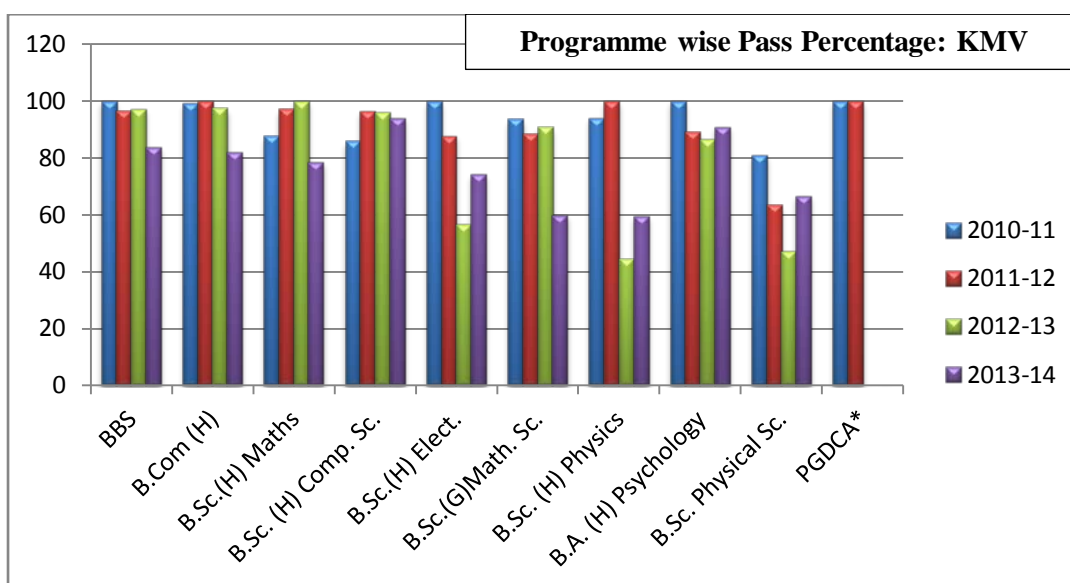
Figure 5-1: Graph representing Programme wise Pass Percentage of Students

Course wise comparison of pass percentage in various programmes with different colleges

Pass Percentage Comparison: BBS

	2010-11	2011-12	2012-13	2013-14
KMV	100	96.55	97.14	83.78
DDU	100	100	94.87	0
SSCBS	97.35	99.38	93.51	94.18
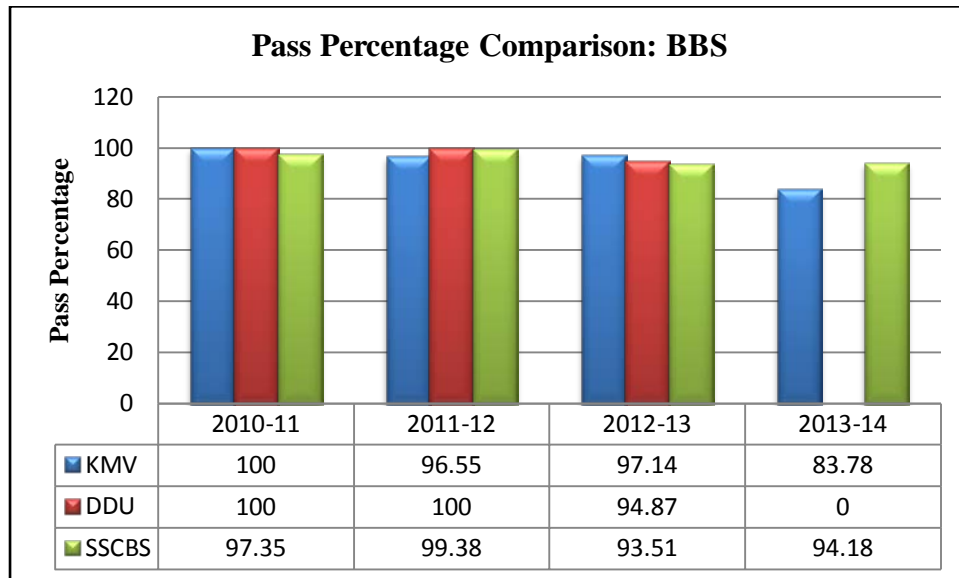
Figure 5-2: Pass percentage in BBS - comparison with different colleges

Pass Percentage Comparison: B.Com(H)

	2010-11	2011-12	2012-13	2013-14
KMV	99.12	100	97.37	82
DDU	100	100	100	0
Deshbandhu	96.6	97.2	92.5	97.5
Shivaji	100	100	100	75
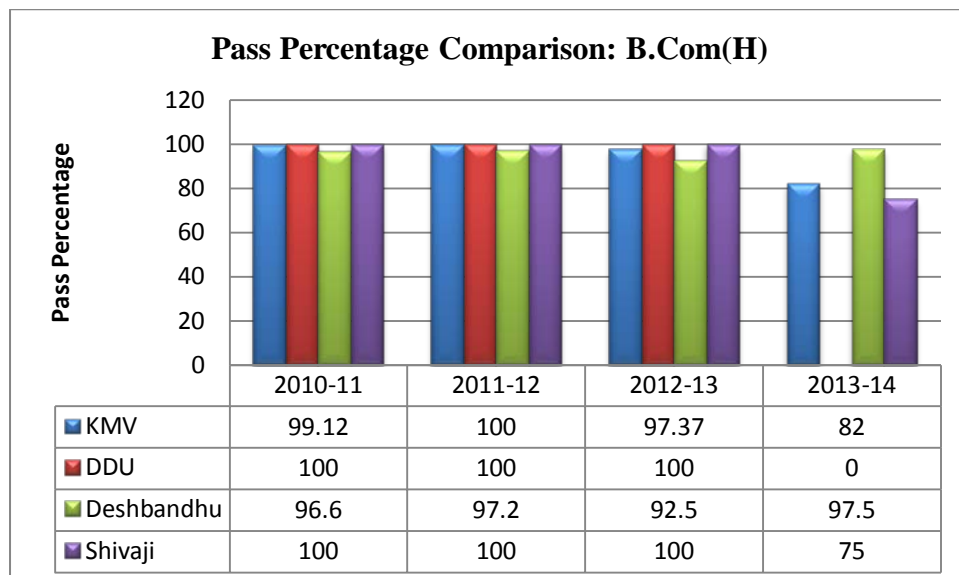
Figure 5-3: Pass percentage in B.Com (H) - comparison with different colleges

Pass Percentage Comparison: B.Sc.(H) Mathematics

	2010-11	2011-12	2012-13	2013-14
KMV	87.5	96.88	100	78.38
DDU	91.89	100	92.75	0
Deshbandhu	40.9	76.4	58.3	82.08
Shivaji	100	100	96.36	30.98
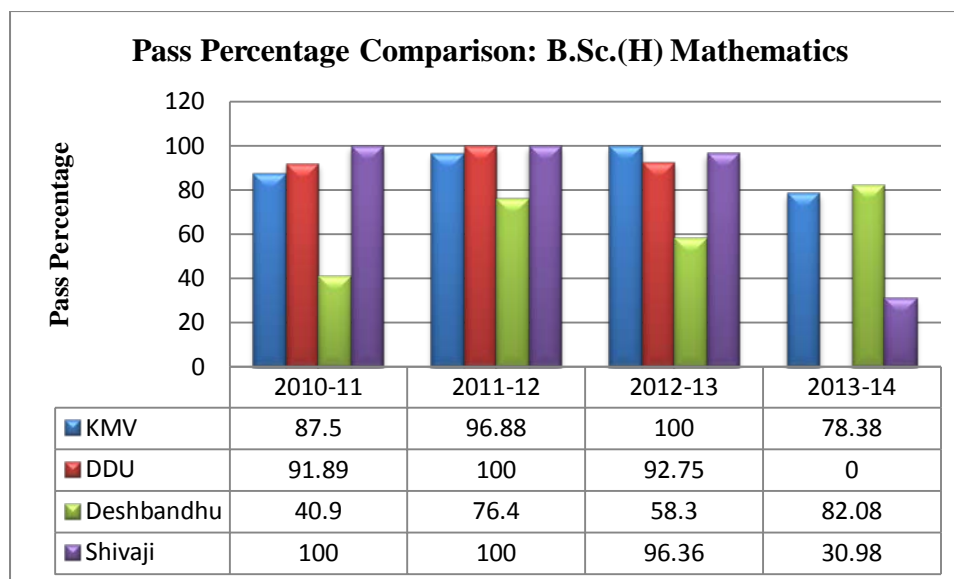
Figure 5-4: Pass percentage in B.Sc. (H) Mathematics - comparison with different colleges

Pass Percentage Comparison B.Sc.(H) Computer Science

	2010-11	2011-12	2012-13	2013-14
KMV	87.71	96.39	95.83	94.12
DDU	83.33	84.5	100	0
SSCBS	95.65	96.15	96.15	96.67
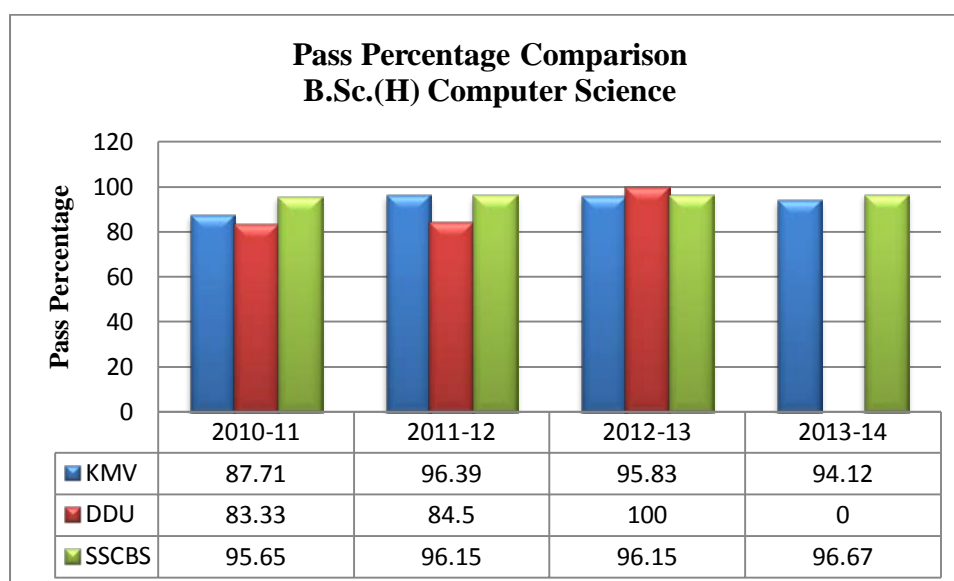
Figure 5-5: Pass percentage in B.Sc. (H) Computer Science - comparison with different colleges

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Pass Percentage Comparison
B.Sc.(H) Electronics

	2010-11	2011-12	2012-13	2013-14
KMV	100	87.88	56.67	74.29
DDU	100	91.3	22	0
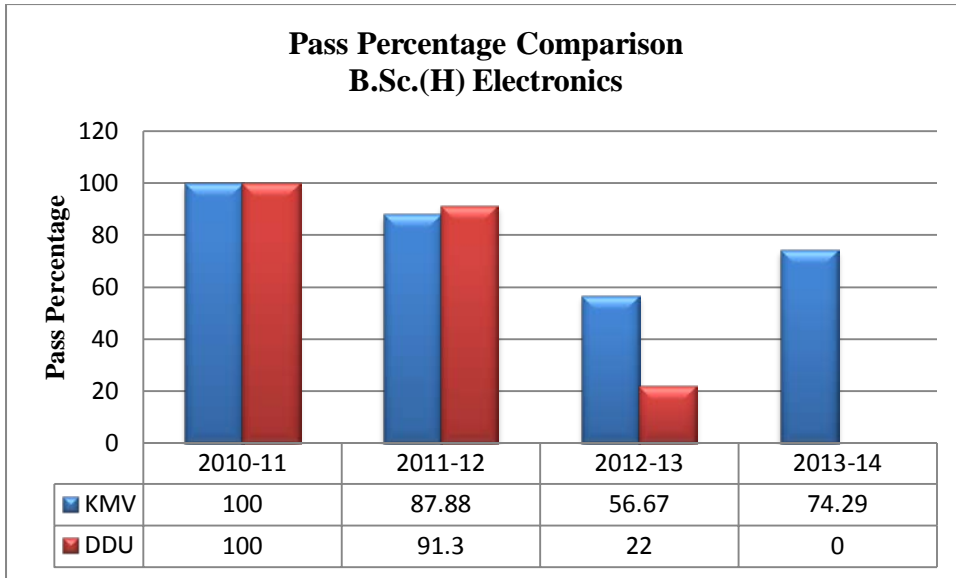
Figure 5-6: Pass percentage in B.Sc. (H) Electronics - comparison with different colleges

Pass Percentage Comparison
B.A. Psychology

	2010-11	2011-12	2012-13	2013-14
KMV	100	88.89	86.36	90.91
JMC	0	97.5	100	93.61
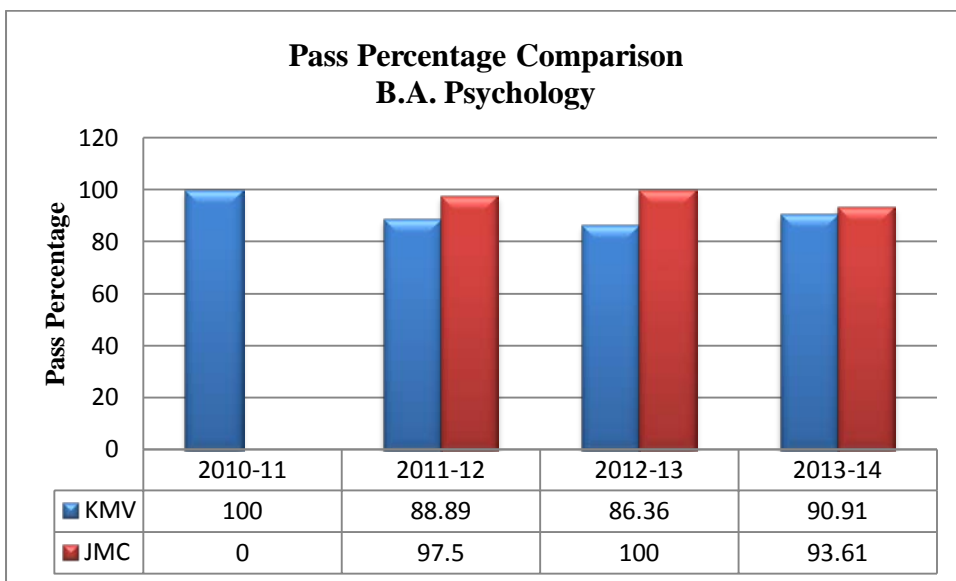
Figure 5-7: Pass percentage in B.A. Psychology - comparison with different colleges

Pass Percentage Comparison
B.Sc. Physical Science

	2010-11	2011-12	2012-13	2013-14
KMV	80.95	63.33	47.37	66.67
DDU	71.43	37.5	62.07	
Shivaji College	66.66	24.13	22.58	50
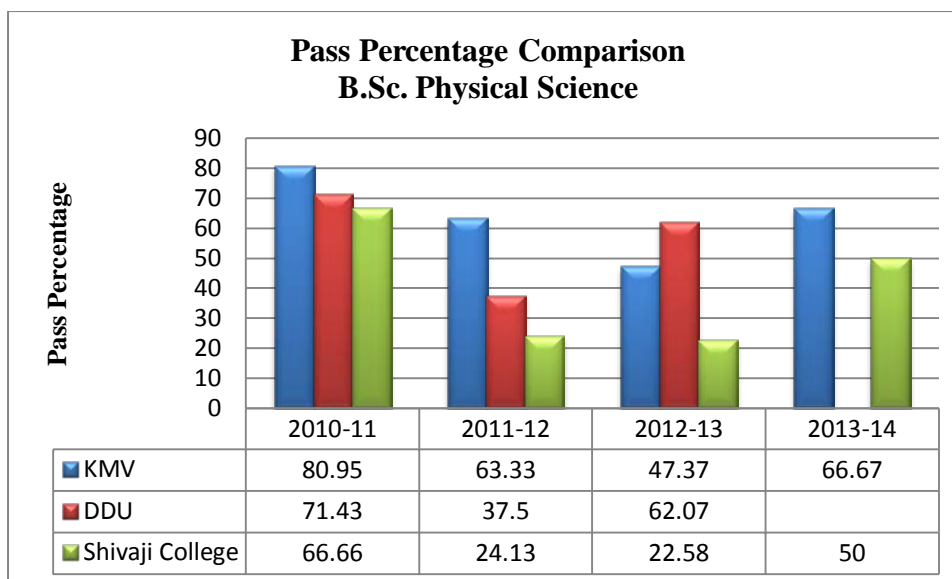
Figure 5-8: Pass percentage in B.Sc. Physical Science - comparison with different colleges

5.2.4 The special support provided to students who are at risk of failure and drop out

The faculty members in the College understand that each individual is different and carries a highly subjective lens through which they see the world.

- To bridge the gap, nourish and bring out the best in students, the faculty organizes remedial classes, cluster classes and give guidance at individual level as well.

- Students who are found to be weak in a certain subject(s) or those who lag behind on the academic front due to health, family or other reasons are provided motivation and all the necessary assistance and guidance which can enable them to improve their academic performance and eventually perform better in the examinations.

- They are provided with extra study material. In addition to this, they are also given extra coaching during lab hours, during free periods and during preparatory leave.

- In this way, the teacher is able to give extra attention to such students and identify and clear all the individual doubts.

5.3 Student Participation and Activities

5.3.1 Various sports, games, cultural and other extracurricular activities available to students, their details of participation and program calendar

A wide gamut of curricular and extra-curricular activities is held throughout the year to ensure the holistic development of the students. These avenues are facilitated by the cultural committee, festival committee, departmental festivals and various cultural and literary societies in the college.

Cultural committee

The committee organizes the following Cultural and Extra Curricular activities in an academic year:

- Orientation Programme at the start of the academic year (July)

- Fresher's Party to welcome the Fresher's formally in the College (in Month of August)

- Two to three events under Spic Macay Virasat Programme.

- Farewell Party to fare bid farewell to the final year students in the month of the March and April.

Festival Committee

The committee organizes Annual Festival 'TRYST' which sees participation from a number of colleges from Delhi NCR. A variety of events like Dance-Western and Indian, Group Dance, Singing Competitions, Rangoli, Debate, Mock Stock, Kavi Sammelan, English Poetry recitation, Fashion Show, Street Play and a Musical Nite are organized.

Departmental Festivals

Besides the events organized by the Cultural Committee and Festival Committee, the departments organize their individual festivals and activities to encourage students to participate, to channelize their creative expression and hone their organizing skills.

- **Computer Science**: The Department organizes its annual festival **BLITZKRIEG** where various technical competitions like IT-quiz, Coding Challenge, Debugging Challenge, Photoshop, Music Making, Website Designing, and fun events such as LAN Gaming, IT Rangoli, Treasure Hunt etc. are held. The festival witnesses an overwhelming student turnout not only from the College itself but also from various other colleges of the University and other engineering institutes.

- **Commerce**- **FLEDGLING** the annual commerce fest attracts a large number of students from Delhi University, IP University and various other colleges in and around Delhi. The events include Group Dances, LAN Gaming, Gully Cricket, Debate Competition, Poetry Competition, Street Play, Business Quiz, Mock-stock and Tug of War, etc.

- **Business Studies**: The Department holds its annual event for school students, **CEO** (Challenge Enrich Outperform) for familiarizing school students to various aspects of college and corporate life through events like Street Play, Mock-Stock, Quiz, Ad-Mad show, Debate and Photography competition and to enable them to make right course and career choices through organizing career counseling sessions with renowned career counselors. The Department also organizes its Annual Corporate Convention cum Cultural Festival **COGNIZANCE** which sees a huge participation from students from colleges of Delhi University, IP University, Amity University and many other Institutes from outside Delhi. The department has a tradition of organizing a Friday activity every week. The objective of this activity is to break the monotony of classroom

teaching and encourage students to interact. These Friday activities span across a wide area covering finance, marketing and human resource. General discussions on current affairs and the economy and various learning with fun activities that include, brand games, advertisement creation, logo designing, mock stock, MUN and so on. In the past the department has organized various student interactions with Alumni who have started their own start-ups. Besides this Guest talks with representatives from academia and industry are a regular feature in the department.

- **Physics**: The physics society Cosmos organizes its Physics Festival - **CURIOSITY**. The festival hosts a lecture session by eminent Physicists and various events like Poster Presentation, Debate and Rangoli Competition on "Colours in Science", etc. The events see an active participation and tremendous contribution of students from all the three years.

- **Psychology**: The departmental society "**INPSYCH**" was formulated to give students a medium to give expression to their creativity and deliberate on various issues. The society also takes out its magazine "**Psynopsis**" to encourage students to express themselves and become more knowledgeable in their field. The department organizes its annual festival '**FENESTRA'** in which a number of events like Poster presentations, Treasure hunt, Psychodrama etc. are organized.

- **Electronics**: The Electronics society '**ELECTRONIKA'** organizes its annual Electronics festival '**ELEXONIA'**. The festival includes an interactive lecture by eminent scientists and other student activities like Science Quiz, Picture Perception Test, LAN Gaming, Flick Click, Just a Minute, Treasure hunt and many more.

- **Mathematics: MODULUS** - an annual event of the Mathematical society takes place every year in which a variety of Mathematics based and other general competitions are held. The Department organizes talks by eminent speakers from IIT, Delhi and other Universities to expose the students to newer concepts.

- **Physical Education**: The Department of Physical Education of the College has a gymnasium hall well equipped with fitness equipment. The College also has adequate facilities for games and sports like Table Tennis, Chess, Yoga, Basketball, Volleyball, Cricket, Netball, Korfball, Ball Badminton, Badminton, Football and Tennis etc. The College actively participates in sports activities from August to March every year according to the University Calendar. **ANNUAL SPORTS DAY** of the College is organized every year which sees enthusiastic participation of the students and staff in various athletic events. Many games like Table Tennis (M&W), Chess (M&W), Volleyball (M), Basketball (M&W), Cricket (M) & Athletics event are organised in which mass participation of student along with teaching and non-teaching staff.

- **NSS**: The College NSS committee takes up socially responsible initiatives like organising Cleanliness Drive, Self-Defence classes and lectures on

topics like Health and Nutrition in collaboration with the Women Development Cell of the College.

- **Rotract Club**: The ROTRACT CLUB of the College aims to instill in the students a sense of community by actively engaging in socially responsible initiatives and contributing in whatever way they can to uplift the current state of being. The club has been participating in all rotary initiatives and organizes activities like visits to orphanages and old age homes, a donation drive in which students, teaching and non-teaching staff actively take part and donated items such as old clothes for both, girls and boys, soft toys, basic stationery, grains and pulses, shoes etc. which were donated to various non-government organizations and schools. It organizes other events like Legal Awareness & the Rights of Women in Constitutional Bills and Collection Drive of Books for the Needy. Members of the Rotract Club attend RYLA (Rotary Youth Leadership Awards) ceremony to award all those fellow members who by way of their work have created a distinctive place for themselves in the society and also participate in various events organized in the meet.

- **Environment Club**: "**PRAKRITI - Let it Grow**" is the motto of the Environment Club of Keshav Mahavidyalaya. The activities of the club attempt to impact the mind-set of the students in both direct and indirect ways to appreciate and respect the environment and engage in all sorts of green activities.

- The Cultural Societies of the college include ADVAITAA, the dance society; ANHAD, the Music Society; VAGMITA, Debating cum Poetry Society; MANIERA, the fine arts society; and SHADES, the Dramatics Society.

5.3.2 Details of student achievements in co- curricular, extracurricular and cultural activities at different levels for the previous four years

The students have brought numerous laurels to the College by their participation in myriad co-curricular and extra curricular events at Inter College, Inter University, State and National level. The Physical Education Department actively provides coaching and encourages students to participate in various events at Inter College, Inter University and National Level. The number of awards received by the students in various co-curricular, extra – curricular and sports activities are exhibited below. The details of events and participation are presented in the Annexure B1.

Table 5-6: Number of Prizes/ Participations of Students in Extra-Curricular Activities

Society	Year	Inter College				Inter University				State Level				National Level			
		I	II	III	P*	I	II	III	P*	I	II	III	P*	I	II	III	P*
Advaita (Dance)	2014-15	2	2	3		15	3		4	4	2	2	1	1			3
	2013-14					6		2	1						1		5

Event	Year																
	2012-13																2
Anhad (Music)	2014-15		1				1								1		
	2013-14		1														1
	2012-13					1			1								
Shades (Dramatics)	2014-15	1	4	1	2		1	1	3		1		1	2	1		5
	2013-14	1	1	1	3	2	1		1					3			
	2012-13	1												1			1
	2011-12								1								1
Vagmita (Poetry/ Debating)	2014-15	7	10	2	5					1	1			2		1	2
	2013-14	8	4	2	2		1		1	1	1						1
	2012-13	1		1	2												
Maniara (Arts)	2014-15	4	3	1		4		2						1	3		
	2013-14	3	2		1	1	2	1									
	2012-13	1															

P*: Participation
Number in the table cells indicates Prizes/ Participation at various levels

Table 5-7: Number of Prizes/ Participations of Students in Sports

Event	Year	Inter-College				University			State	National
		I	II	III	P*	II	III	P*	P*	P*
Taekawando	2013-14		1 (1)							
	2014-15		1 (1)							1 (1)
Football	2010-11		1 (1)	1(16)						
	2011-12				1 (16)					
Cricket	2010-11				1 (18)					
	2011-12				1 (18)					
Swimming	2012-13		1 (1)	1 (1)						
	2013-14			1 (1)						
	2014-15			1 (1)						
Net Ball	2014-15	1 (12)						1(4)		1 (1)
	2013-14	1 (12)					1 (5)			1 (2)
	2012-13							1 (4)		2 (2)
	2011-12				1 (12)			1 (5)	1 (12)	
Baseball	2012-13					1 (1)				
Ball	2013-14							1 (1)		

Badminton								
Table Tennis	2011-12	1 (4)						
Korfball	2013-14				1(2)			
	2012-13					1(2)		
	2011-12	1(1)						
Athletics	2012-13			1(1)				
	2013-14							
Basket Ball	2011-12			1(12)				

P*- Participation
No. of Prizes (No. of Students)

5.3.3 Mechanism to seek and use feedback from its graduates and employers, to improve the performance and quality of the institutional provisions

Regular Alumni meets and interactions provide the necessary feedback for the College to keep evolving and changing. The alumni keep giving directions based upon their experiences which are readily accepted and implemented by the faculty and students, whether it is about improving their communication, taking their research projects seriously, or handling interviews and finding jobs. The Alumni are invited to the college on various occasions, as speakers or to judge the various events held in the college. They provide valuable feedback on corporate expectations or skill enhancement to meet the requirements of prospective recruiters. The visits from eminent scientists, academicians and industry stalwarts also enhance the interaction between them and the students, providing greater insights into their expectations from the College. The placement cell has regular interactions with prospective employers whose expectations, requirements and suggestions are heeded to and addressed.

5.3.4 Role of the College to encourage students to publish college magazines and other material

The College publishes its Magazine "DWARIKA" every year. The magazine provides the students with a powerful medium to express their creativity by contributing their articles, poetry etc. in Hindi and English. It highlights the academic, cultural and sports activities of the College. The department of Business studies brings out 'PERSPECTIVE', its annual newsletter which charts the event trajectory and varied accomplishments of the department every year. It also publishes event brochure during its annual flagship events CEO and COGNIZANCE. A PLACEMENT BROCHURE designed, created and compiled by students is also taken out every year. The Commerce department publishes its annual magazine 'GENESIS' providing platform to the students and teachers to share their ideas and develop their writing skills. The Psychology department also takes out its magazine "PSYNOPSIS" to encourage students to express themselves and become more knowledgeable in their field.

5.3.5 Details on the Student Council or groups

All departments in the College have democratically elected student societies whose office bearers are elected every year. Even the cultural societies and other socially responsible initiatives like Rotaract etc., select their representatives from among the students through a formal election or interview based process. These societies actively initiate various events and activities throughout the year under the guidance of their teachers and in consultation with the authorities.

5.3.6 Details of various academic and administrative bodies that have student representatives on them

Hostel mess committee has two student representatives as its members. Various departmental and cultural societies have student representation. The College placement cell also selects student coordinators to facilitate the placement process in collaboration with Central placement cell of University of Delhi. Other academic and administrative bodies do not have student representatives on them.

5.3.7 Efforts of the College to establish networks and collaborations with the Alumni and former faculty of the College

The College is in the process of building the database of the alumni and getting its Alumni association registered. Some alumni who have initiated their own start-ups also offer internships and job opportunities to the students. Many alumni are working in college as faculty.

The Business Studies Department organizes its alumni meet on a regular basis. These meets provide an opportunity for the students to learn from their seniors, get information on internships and job opportunities through networking with the alumni. The department keeps organizing Alumni Talks on a variety of issues and also involves its alumni to come and be part of the annual cultural events as judges and guests. Some of the Alumni who visited the department are as follows:

- Mr. Aditya Kumar, batch of 2014 discussed his experience and growth at Capital IQ and informed the students of its placement procedure.

- Mr. Vishesh Jain, batch of 2010 addressed the current batches on internships and avenues after post-graduation. He also conducted mock interviews for the students.

- Mr. Ayush Arora, batch of 2014 - conducted a session on interface to MUN.

CRITERION VI: Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 Vision and Mission statement of the College and its operationalization

Vision and mission of the College

Vision

To be a premier institute that nurtures creativity amongst students and instills moral values along with quality education to enable them to take on real life challenges with confidence.

Mission

- To inculcate positivity in attitude and thoughts.

- To nurture creativity and problem solving skills.

- To sensitize students towards gender issues and respect for all human beings.

- To give impetus to women empowerment.

- To bring about awareness related to ecological enrichment and environmental factors.

- To encourage students to have vision and courage to initiate and manage the change.

- To help in recognizing the challenges of a competitive world and learn to adapt.

- To create a clean and conducive atmosphere for the promotion of education.

The College operationalizes its programs and activities guided by an overreaching Vision, Mission, Objectives, Beliefs and Values.

- The College seeks to be an exemplary for advancement of the knowledge base of students through excellent pedagogy. It aims to nurture their creativity, inculcate moral values, sensitize them towards environment and make them responsible towards nation building. It strives to provide a concrete foundation for a lifetime of learning and churn out students who are holistically developed to meet the challenges of the diverse and ever changing world.

- The mission of the College is to help students who will use their skills and knowledge to improve the lives of other individuals in a changing and complex global society. The College is committed to achieve excellence in diverse fields of teaching and learning so that the faculty and students can fulfill their responsibilities of good citizenship and service in their chosen areas of study. It seeks to achieve its stated vision through a sound development of intellect, creativity and character through participation in myriad curricular and co-curricular activities. It seeks to create an enabling

environment by consistent skill up gradation and by providing a continuous learning environment. The College is committed to facilitating a climate for research and innovation and achieving its goals of quality education by providing development opportunities for the faculty and students.

- The College believes that a literate and educated society is important for the intellectual growth and development of the citizens and the nation itself. High-quality education is everyone's right and only a dynamic education system can create an inclusive, equitable and a productive economy in a global environment.

- A well rounded holistic development with interdisciplinary flexibility and exposure are vital to the learning, growth, and development of the student community. The latest in pedagogy and technology should be used to improve the quality of teaching and learning and research.

- The College espouses the values of academic excellence, outstanding teaching and a collaborative culture through maintaining and encouraging quality and integrity in all initiatives furthering the cause of education, hence an emphasis on ethics and character building are at the core of its approach to excellence.

- It aims to render service through education to all the stakeholders and the community at large. It aims to encourage innovative thinking and give enough freedom of thought to faculty and students so as grow intellectually.

6.1.2 Role of top management, Principal and Faculty in design and implementation of its quality policy and plans

Role of the Top Management

- The Governing Body (GB) of the College is the top and ultimate management body. It is highly committed towards to the mission and vision of the College and provides all possible supports to the Principal for the smooth functioning of the College.

- The Governing Body in constituted by the University of Delhi. The members include 10 nominees of Govt. of NCT of Delhi duly approved by the Executive Council of University of Delhi, two University nominated professors, two faculty members of the College on rotation basis (one from more than 10 years of service and other from less than 10 years of service) and one graduate member of non-teaching staff on rotation basis as an invitee. Principal of the College is the secretary, GB. Chairman of GB is selected from amongst the members. The treasurer of GB is nominated by Chairman of GB.

- All Major policy decisions regarding functioning of the College on Academic/ Administative/ Financial aspects are taken/ approved/ rectified by the Governing Body members in its meeting.

- The Governing Body extends its full support to the Principal in order to fulfill the vision and mission of the College.

Role of the Principal

- The Principal is responsible for the day to day functioning of the College.

- The policy decisions and other decisions/resolutions of the GB for smooth functioning of the college are implemented by the Principal.

- The Principal is assisted by e various committees appointed by the Staff Council of the College for smooth and proper working of the college.

- The regular meetings of Staff Council are conducted by the Principal to take important decisions and to ensure the effective implementation of the same.

- The Principal is the ultimate authority for smooth functioning of the College in consultation with the Governing Body and with the assistance of the various committees appointed by the Staff Council of the College.

- The Principal interacts with the authorities of the UGC, University, Directorate of Higher Education, Govt. of Delhi of NCT, Governing Body, faculty members, non-teaching staff, students and their parents.

- The Budget to meet expenditures of the College is prepared by all departments, which is then approved by Finance Committee members and Chairperson of the GB. The same is forwarded to DHE for approval by the Govt. of NCT of Delhi. The effective utilization of the approved budget is also ensured by the Principal.

- The responsibilities of the Principal encompass the following:

  * Establishing the policy and quality objectives of the College and ensuring that the College is functioning as per its vision and mission.

  * Providing administrative and academic leadership.

  * Academic and administrative management of the College.

  * Assisting the Governing Body on appointment of faculty members and non-teaching staff.

  * Assisting the concerned University department on promotion of the faculty members

  * Ensuring curriculum implementation in the best possible manner through respective teacher in-charges of the various departments of the College.

  * Interaction with the UGC, University of Delhi, Directorate of Higher Education, Govt. of NCT of Delhi and other regulatory bodies.

  * Regular monitoring and evaluation of the academic activities of the College.

  * Periodic review of the College activities through regular interaction with the teacher in-charges of the various departments and also with the various committees constituted by the Staff Council.

∗ Implementation of the academic and administrative directions of the Governing Body, University of Delhi and Directorate of Higher Education of the Govt. of NCT of Delhi.

Role of the Faculty

- The faculty members have an important role to play in inspiring preparing and empowering students to succeed in an ever changing world.

- The faculty members coordinate with the Principal through their respective teacher in-charges for the smooth functioning of the College.

- The faculty members play a key role in the implementation of the vision and mission of the College.

- The role of the faculty members includes:

  ∗ Teaching the prescribed curriculum and to ensure effectiveness of the learning process through innovative methods / pedagogy.

  ∗ Monitoring the academic progress of the students through continuous and comprehensive evaluation and interaction with them.

  ∗ Ensuring remedial action for academically weak students.

  ∗ Maintaining discipline in the College.

  ∗ Internal Assessment of the students through class tests, assignments, presentation and project work etc.

  ∗ Assisting the Principal through various committees and specifically assigned tasks.

  ∗ Counseling of the students.

  ∗ Conducting university examinations in various capacities.

  ∗ Evaluation of the answer sheets of the University Examinations.

The Management, Principal and faculty of the College are fully committed towards the Vision, Mission and the objectives of the College.

6.1.3 Role of leadership to ensure:

The policy statements and action plans for fulfillment of the stated mission

The College leadership i.e. Governing Body and the Principal function in a very democratic and transparent manner keeping in view the Vision and the Mission of the College. The Governing Body which has representatives from both teaching and non-teaching staff acts as a facilitator and frames the broad framework of policies. The Principal coordinates and interacts with the regulatory authorities e.g. DHE, Govt of NCT of Delhi, UGC, University of Delhi etc and the other stakeholders for the smooth functioning of the College. The various committees appointed by the Staff Council assist the Principal in the academic and administrative matters of the College. The student centric and futuristic approach is adopted by the College authorities.

Formulation of action plans

The various action plans are formulated by the Staff Council under the leadership of the Principal. The Staff Council constitutes various committees before the commencement of the academic session in order to ensure its working in a planned manner. All the departments of the College are also actively involved in the formulation of actions plans. The regular meetings of various committees constituted by the Principal and the Staff Council are convened for monitoring and reviewing the action plans. The Departmental meetings are also regularly convened for the smooth functioning of the department and implementation of various academic and administrative action plans.

The College budget is prepared well in advance taking in to consideration the Action Plans and requirements of the various departments. The Academic calendar is strictly followed and adequate focus is also made on extra-curricular (cultural, sports etc.) activities as well.

The College has a very sound 'Management Information System' where the information flows from bottom to top through various committees. The action plans are incorporated with the institutional strategic plans by taking necessary inputs from all concerned. The actions plans are executed through different committees. The Principal takes periodic review of the activities through regular meetings and interactions with the conveners of various committees and the TICs of the various departments.

Interaction with stakeholders

- The College leadership strongly believes in regular and live interactions with all the stakeholders to take their valuable inputs, feedback and suggestions and incorporating the same in the planning process and necessary execution as well.

- The Vision. Missions and Objectives are communicated to the various stakeholders including students and their parents through College prospectus and display on the College website.

- The first day of the academic session is observed as 'Orientation-Day' and personal interaction is made with the students and their parents to make them aware about the academic activities, extra-curricular activities, sports activities etc. and their role in these activities.

- The Placement Cell and the various departments of the College interact regularly with the Industry.

- The Principal interacts with the DHE, Govt of NCT of Delhi, UGC, University of Delhi and other external agencies on a regular basis for the smooth functioning of the College keeping in view the Vision, Mission and the objectives of the College.

- The Principal also convenes regular meetings with the teaching and the non-teaching staff of the College to take their valuable inputs and suggestions on various academic and administrative issues.

- The Staff Council meetings and Departmental Meetings are regularly convened to discuss various important issues.

- Annual Day function is also utilized as a platform for live interaction of the College leadership with the various stakeholders including the eminent people of the society, alumni and the parents of the meritorious students.

- The College has appointed a Public Information Officer (PIO) and a/two Assistant Public Information Officer (APIO) under RTI Act. Various people utilize this platform to obtain necessary information related to the College. This helps in developing a good rapport with the public.

- The College also tries to establish a good rapport with the eminent personalities of the society by inviting them to College on various functions and also through organizing their special lectures/ interactions with the teachers and the students of the College.

Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- The College strongly believes in maintaining teaching-learning environment of a very high standard for the overall development of the students to enable them to meet the challenges of a fast changing complex world.

- The policies are framed after carrying out detailed study, proper need analysis, deliberations while keeping in view the Vision, Mission and the objectives of the College.

- Regular consultations are made with the stakeholders to obtain their constructive contributions and research inputs. The changing need of the society is also taken into consideration before taking any major policy decision.

- The newly constituted Internal Quality Assurance Cell (IQAC) also putting efforts to develop a system for the conscious and consistent improvement in the overall performance of the College in a planned manner.

Reinforcing the culture of excellence

- For reinforcing the culture of excellence, the faculty members are encouraged to participate in National/ International Conferences/ Seminars/ Symposiums/ Workshops etc. They are also encouraged to participate in Orientations Programs, Refresher Courses and Staff Development Programs. The faculty members are motivated to undertake minor/ major research projects and also the Innovation Projects.

- The faculty members also discuss among themselves to formulate the effective ways for better classroom transactions using ICT facilities etc. The excellence in delivering the curriculum serves as a benchmark for the students in writing assignments, taking tests, making presentations etc.

- The College library is connected to the library of the University of Delhi. Therefore the faculty members and the students have access to all the National/ International journals subscribed by the University. Access to such wide knowledge bank helps promote excellence and enhance the standards of excellence to meet global standards.

- Regular training programs are also held for the non-teaching staff for their skill development and for better performance of their duties.

Champion organizational change

The College leadership is always open to incorporate the required changes in view of the fast changing national and international scenario. It holds regular and live interaction with all the stakeholders for introducing necessary organizational changes while keeping the Vision, Mission and the objectives of the College in mind.

6.1.4 Procedures adopted by the College to monitor and evaluate policies and plans

- The monitoring and the evaluation of the plan and policies are carried out on a continuous basis.

- The College has various committees which monitors and evaluates policies. The major committees are as follows:

Staff Council Committees

1. Academic Affair Committee
2. Central Monitoring Committee for Internal Assessment
3. Annual Festival Committee
4. Special Category Admission Enabling Committee
5. Fee Concession Committee
6. Central Admission Committee
7. Grievance Committee for Admission
8. Central Purchase Committee
9. Library Committee
10. Cultural Committee
11. Magazine Committee
12. Central Time Table Committee
13. Proctorial Committee
14. Teaching Post/ Workload Committee
15. Sports Committee
16. PH Reservation in Teaching Post Committee
17. Hostel Committee
18. Grievance Redressal Cell
19. Guidance Cell
20. Placement Cell

List of Other Committees

21. NAAC Steering Committee

22. NAAC Co-ordination Committee

23. Internal Quality Assurance Cell

24. Attendance Committee

25. Internet and Website Monitoring Committee

26. Garden Committee

27. Canteen (College + Mess) Committee

28. Provident Fund Committee

29. Land Acquisition Committee

30. E-Learning Committee

31. Prospectus Committee

32. Floor (Addl.) Construction Committee

33. Women Development Cell

34. Alumni Coordinators

35. Anti-Ragging Committee

36. Building Maintenance Committee

37. Hostel Proctorial Committee

38. Hostel Purchase Committee

39. Grievance Committee for College Staff

- Periodical review meetings are held at different levels to ensure better and efficient functioning of the College.

- The Principal convenes regular meetings of the Staff Council for taking important policy decision and their effective implementation.

- Regular meetings of the Teacher In-charges of all departments are convened by the Principal for monitoring the academic performances, and to discuss various departmental issues.

6.1.5 The academic leadership provided to the faculty by the top management

- The top management (GB) of the College gets the feedback through the Principal and the Teachers' representatives on the Governing Body. The management considers their valuable inputs on various issues for necessary actions.

- The Governing Body and the Principal of the College extends their full support to the various academic initiatives taken up by the faculty members.

- The senior faculty members are appointed as Coordinators/ Conveners and Co-conveners in various academic and administrative committees/ cell of the College.

- The faculty members are motivated to undertake the Minor/ Major/ Innovative Research Projects etc.

- The faculty members are appointed as Teacher In-charges of their respective departments for a period of two years on seniority-wise rotation basis. The teacher In-charge is responsible for academic and co-curricular activities of the department.

- A faculty member is appointed on rotation in the respective department who is responsible for organizing various students' activities and special lectures.

- The Principal follows an 'Open Door Policy' where the Principal is accessible to discuss matters related to department or college functioning, suggestions or grievances of the faculty members, non-teaching staff and the students during the office hours.

6.1.6 Grooming leadership at various levels

- The Principal plays the role of mentor, coordinator and motivator in addition to the primary role of an academic and administrative leader.

- The faculty members are actively involved in decision making process by including them in administrative and academic committees.

- The faculty members are also entrusted with the responsibility of various extra-curricular and co-curricular committees as Coordinators, Convener, Co-Convener and Member.

- The faculty members are motivated to attain professional growth and engage in research work.

- Various student committees are constituted to develop leadership skills, Organizational skills and team spirit amongst them.

- Leadership skills are fostered amongst students by delegating responsibility of organizing various activities.

- The College fest 'TRYST' and all departmental fests are organized by the students that foster their organizational and leadership skills. The faculty members guide them in the above activities.

- The leadership and team spirit is developed among the students through NSS, NCC and various sports activities.

- The tasks and responsibilities of the non-teaching staff are also switched periodically for grooming them in assuming higher responsibilities.

6.1.7 Decentralized governance system

- The College works towards a decentralized governance system by delegating tasks to various committees and departmental Teacher-In-Charges and authorize them to make recommendations.

- The College provides operational autonomy to its faculty members through various committees, where they can discuss the issues and

recommend actions. The Principal and the Governing Body are authorized to approve the recommendations.

- Various faculty members are appointed and authorized for specific College tasks such as, PIO (Public Information Officer) and APIO for handling RTIs, Bursar for handling of College accounts, NSS Coordinator, NCC Coordinator and Alumni coordinators.

- There are 39 different committees where faculty members are conveners. Non-teaching staffs are also appointed/ elected as members in various committees. In this way the complete College work is distributed among all staff members and authorizing them under systematic decentralized governance.

6.1.8 Culture of Participative Management

Keshav Mahavidyalaya entirely believes in the culture of participative management and the same is applied to its all staff members and students.

- The faculty members, non-teaching staff and students participate in managing all various day to day activities from admission, academic, co-curricular, extra-curricular, cultural, to counseling, placements, purchases and examinations.

- Most of the Institutional decisions are taken at the College Staff Council level, where all faculty members participate and contribute their ideas for effective decision making.

- Faculty members in the council committees and other committees, which are constituted by the council and the Principal, manage various activities and hold many events throughout the year.

- The committees discuss and deliberate on various issues and make recommendations after lot of brainstorming and including perspectives of various stakeholders. Such recommendations are then forwarded to the Principal for due consideration and approval by Governing Body.

- Two faculty members participate as Teacher Representatives in the Governing Body.

- Top management of the College, the Governing Body, has two teachers' representatives as its members, thereby providing an opportunity to participate at the highest level of decision making.

- Most of the decisions taken by the Principal and approved by the Governing Body are those discussed and implemented by the associated committees, department's teachers' or any of the staff members.

6.2 Strategy Development and Deployment

6.2.1 Formally stated quality

The College has recently formed IQAC as per NAAC guidelines for monitoring the effective and efficient use of institutional provisions. The IQAC is in the process of formulating the quality policies.

6.2.2 Perspective plan for development

The College has plans for Infrastructure Development as well as Academic Development.

Infrastructure Development

1. Construction of Additional Floor:

The administrative sanction has been received for the construction of additional floor. The efforts are being made to obtain the financial sanction from the Govt. of NCT of Delhi.

2. Boys Hostel:

The matter has been taken up with the Delhi Development Authority (DDA) for allotment of a vacant plot near to the College for construction of boys' hostel.

3. Housing apartment for teaching and non-teaching staff:

The efforts are being made for the construction of Housing apartment for teaching and non-teaching staff.

Academic Development

The academic development plans are mainly focused on:

- Introduction of new courses.

- Increase in intake of existing courses.

- Efforts for better Networking and more linkages with reputed academic institutions and Industry.

- Faculty Development and research

- Strengthening Industry academia interface

- Innovative Practices in teaching learning process.

- Skill enhancement of students

- Making students more employable

- Establishing Business Incubation Centre in College

- Holistic development of students

6.2.3 Internal organizational structure and decision making processes

- The Governing Body is responsible for the overall management of the College.

- The Principal is the Member Secretary of the Governing Body and acts as the executive head of the College and handles the day to day management of the College in accordance with the rules, regulations and guidelines of UGC, University of Delhi and DHE, the Govt. of NCT of Delhi.

- The Principal also executes the decisions of the Governing Body.

Constitution of the Governing Body

- The University nominates ten members, as approved by the Executive Council on the recommendation of Govt. of NCT of Delhi, out of which five are from Delhi University's Executive Council approved panel and five are from Delhi Government panel.

- Two University representatives, usually of the ranks of Professors are also included who are nominated by the University of Delhi for a period of one year extendable to another year.

- Two teacher representatives of College, one with above ten years of experience and the other with less than ten years of experience are also included for a period of one year on rotation basis in order of seniority.

- One representative, other than teaching is included as a special invitee for a period of one year.

- The Principal is the member secretary of the Governing Body.

Organizational Structure and Structure of Decision making process

- The Principal is Chief Executive Officer (CEO) of the College. The Principal of the College is in constant touch with the Governing body to discuss all matters related to the smooth functioning of the College. The Governing body meetings are held at frequent intervals to discuss major issues relating to infrastructure, finance, recruitments or any other matter related to development of the College. The Governing body also constitutes certain important committees such as the Finance committee, the Provident Fund committee and the New Building Construction committee.
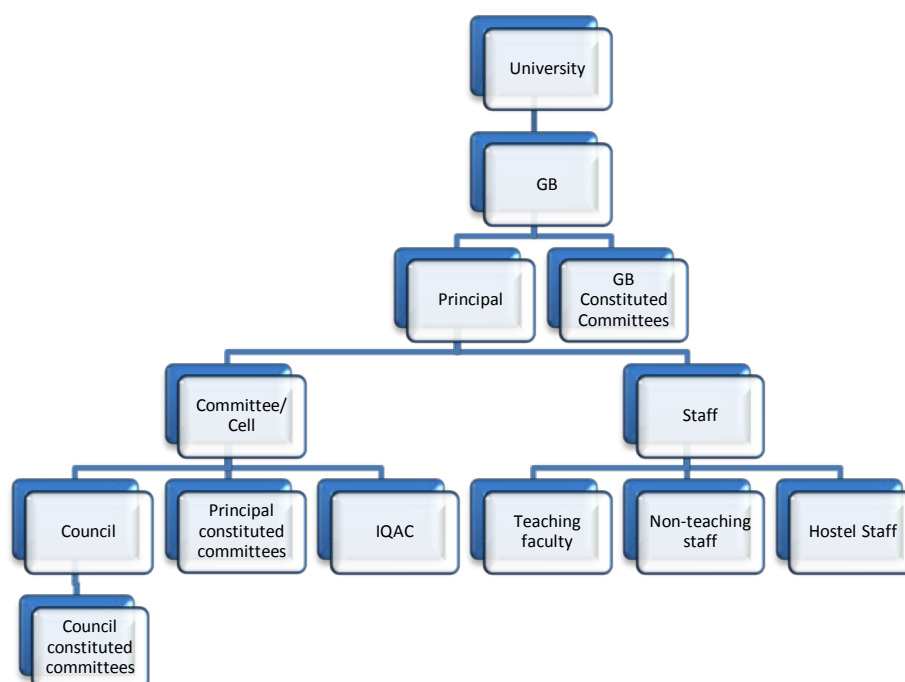
Figure 6-1: Organizational Structure and Structure of Decision making process

- Staff Council meetings are held from time to time for discussing matters related to the overall development of the College. For taking decisions in the matters of admission, sports and cultural activities, time table, discipline, administration, academic affairs etc., separate committees are constituted in the Staff Council. Certain other committees for special matters are constituted by the Principal. These committees hold their meetings frequently and take decisions in specified areas.

- Also, individual faculty members are given the responsibility to act as coordinators of specified activities such as NSS. Individual faculty members are also appointed for carrying out specific statutory functions such as those of being Deputy Superintendents of Examinations or Public Information Officers (PIO)/ APIO for RTIs.

- Recently, IQAC (Internal Quality Assurance Cell) has been formed and the members are in the process of formulating quality policies and mechanisms.

6.2.4 Quality improvement strategies

Teaching & Learning

- The College has highly qualified, experienced, dedicated and sincere faculty.

- Innovative techniques and modern teaching learning tools have been provided to the faculty to implement in the class room teaching.

- The College has six big Lecture theatres and 28 classrooms equipped with e-learning facility.

- Laptops have been provided to first year students to encourage E-learning. Laptops have also been provided to faculty members for taking classes in E-enabled classrooms.

- The review of the academic results, the mutual sharing among the faculty and the regular feedback from the students enable the teachers to keep improving their teaching strategies. New methods are developed to make the learning experience for the students very interesting and stimulating.

- The College has a placement cell, the feedback from the companies coming for placement also help in improving the strategies of the College for improving teaching and learning.

Research & Development

- The College promotes research activities in different disciplines that are offered.

- The College has also been motivating the research culture among the faculty members. So far, many of the teachers have completed their PhD's in their respective disciplines.

- Many teachers of the College are engaged in active research work. The faculty is also encouraged to organize/ attend Seminars, Workshops and Conferences.

- Many of the faculty members have taken innovation projects. Participation of students in these innovation projects helps the students in improving their research abilities.

Community engagement

- The College believes in strengthening ties with the community, be it parents, professionals, general public or the less privileged citizens.

- Through its various components, naming a few, NSS, Rotract club, Environment club, Dance and street play societies the College has developed meaningful new programmes and schemes to develop the relationship with the community.

- The College has carried out a number of blood donation camps and tree plantation Drives.

- The NSS organizes various events for the students of the College like self-defence classes for girls, lecture on health and nutrition, etc. The NSS team also participates in various events held outside the College throughout the year.

- The College also continuously works toward the upliftment of women in society. Toward this end, Women's Development Cell was established. It plays a very important role in sensitizing students on issues related to gender through organizing seminars, talks, and films.

Human resource management

- The decisions regarding the recruitment, promotion, increments, leaves and handling of grievances are taken according to the Acts, Statutes and Ordinances of University of Delhi.

- Following and believing in the culture of participative management, the faculty members participate in all Human Resource Management activities.

Industry interaction

- There have been seminars in the College from eminent personalities in Industry.

- The College also has a well-organized and active placement cell. It is linked with the Central Placement Cell of University of Delhi and has been successfully placing students in the leading companies and multinationals year after year.

- In the past years, the deserving students have been selected by well-known companies like Capital IQ, Protiviti Consulting, Jaypee Capital, Grail Research, Corporate Executive Board, Bank of America, Wipro, Infosys, IBM, Genpact, Smart Cube, Module one, Manpower Solutions, Weird Logics, LIBSYS, IFFCO TOKIO, Markit and Igate. Thus Industry interaction enhances through placement cell.

6.2.5 Availability of information to the top Management and the stakeholders

- The Principal is the Member Secretary of the Governing body. She is in constant touch with the Governing body. She interacts with the governing body members formally or informally, as necessary to discuss and communicate all useful information. All important decisions are formally brought to the notice of the GB members for discussion and approval.

- The Principal shares the decisions/ resolutions of Governing Body, communications received by the university and all other useful information with the teaching and non-teaching faculty through e-mails, regular personal interactions and meetings held from time to time with respective committees.

- A PIO has also been appointed in the College to provide answers to external queries received through RTI's.

- Relevant information is made available for students on the notice boards provided at various places in the College. Information is also uploaded on the College website on regular basis.

6.2.6 Role of Management to involve staff in improving proficiency of the institutional processes

The Management always encourages and supports the involvement of the staff in improving the effectiveness and efficiency of institutional processes.

- The management, through the Principal, involves the staff members in various activities and decision making processes related to the curricular, extra-curricular and administrative development of the College.

- The staff members are involved through the constitution of various committees such as Admission Committee, Proctorial committee, Time Table Committee, Women Development Cell, Placement Cell, Anti-ragging Committee, Sports Committee, etc.

- Each committee conducts meetings on regular basis and gives recommendations. These recommendations are taken into consideration before making any decisions.

6.2.7 Resolutions/ decisions made by the Management Council and their status (2014-15)

The Governing Body of the college met five times during the academic year 2014-15 and took some important decisions.

Table 6-1: Resolutions/ Important Decisions made by the GB in 2014-15 (First Meeting) and its Status

At its meeting held on 23rd May, 2014		
S.No.	Resolutions/ Actions	Status
1.	Approval of the purchase of the following furniture items from College Development Fund for the Class Room and Staff Room respectively:	Approval granted

	a) Chair - 40 Nos. @₹ 2400 each + VAT extra b) Central Table - 06 Nos. @ ₹ 4800/- each + VAT extra c) Tea Table - 01 No. @ ₹ 2700/- each + VAT extra	
2.	Approval of purchase of two almirahs and one printer for NAAC Committee from College Development Fund.	Completed
3.	Approval of recommendations of the PF Committee dated 03.04.2014 regarding distribution of interest on PF subscription @8.70% amongst PF subscribers for the financial year 2013-14 as per University of Delhi Notification.	Completed
4.	Approval of a budget of ₹ 2.96 lacs from Students Activity Fund for incurring expenses on Annual Day & Prize Distribution Function held on 04.04.2014	Budgent approval and money spent
5.	Approval of transfer of ₹ 400000/-(Rupees four lakhs only) from Hostel income to college students Society fund as part payment towards grant of loan to the hostel in 2013 to pay the salary and running expenditure of the hostel in the absence of any additional grant to the hostel from DHE.	Completed
6.	Appointment of the teachers on ad-hoc basis at minimum of the appropriate pay band of ₹ 15600-39100+AGP 6000 during the year (2013-14) in the respective departments as per University guidelines.	Completed
7.	Re-appointment/Appointment of the non-teaching staff on consolidated salary basis as per norms of the University of Delhi	Completed
8.	A new bank account in the name of "Keshav Mahavidyalaya Income Tax Account" to be opened for online payment of Tax, RTGS, NEFT etc. transaction only was reported, recorded and approved. The house was informed that the account will be operated severely for online transfer of money. The Governing Body members authorized the Bursar and the Principal to manage the said account. This account will be opened as Current Account because two separate passwords (checker and maker) shall be issued by the bank for secured online transactions that will be made separately by the principal and the Bursar.	Under Consideration

9.	The recommendations of the Academic Affairs Committee of the college regarding allotment of following ten DC-II courses to the students enrolled under FYUP were reported, recorded and approved.
	 DC-II Subject(s) Tentative No. of Students
	     a. Economics - 51
	     b. Electronics - 38
	     c. Mathematics - 54
	     d. Operational Research - 52
	     e. Computer Science - 58
	     f. Physics - 18
	     g. Physical Education - 20
	     h. Finance (Two Sections) - 127
	     i. Human Resource Management- 52
	     j. Marketing - 41
		Could not be implemented due to roll back of FYUP by the university of Delhi

Table 6-2: Resolutions/ Important Decisions made by the GB in 2014-15 (Second Meeting) and its Status

S.No.	Resolutions/ Actions	Status
	At its meeting held on 22nd August, 2014	

S.No.	Resolutions/ Actions	Status
1.	Approval of purchase of the following furniture items from College Development Fund as per revised rates as stated below for the Class Room and Staff Room respectively from Tihar Haat: a. Chair 40 Nos. @ ₹ 3122 each + VAT extra b. Central Table 06 Nos. @ ₹ 4000/- each + VAT extra c. Tea Table 01 No. @ ₹ 2667/- each + VAT extra	Completed
2.	Approval of the transaction of ₹ 28090/- from the college account for the purpose of mandatory assessment and accreditation by NAAC	Completed
3.	Approval of budget of ₹ 50,000/- approx. for purchase of Aluminum Notice Board with Fiber Sheet in front and provision of lock for display of Time Tables from College Development Fund.	Completed
4.	Appointment of the teachers on ad-hoc basis at minimum of the appropriate pay band of ₹ 15600-39100+AGP 6000 during the year (2013-14) in the respective departments as per University guidelines and according to workload requirement on the opening day of the college on 21st July, 2014.	Completed
5.	Appointment of the guest faculty on rates of honorarium as approved by the University (2014-15) as per University guidelines according to workload requirement.	Completed
6.	Re-appointment/ Appointment of the non-teaching staff on consolidated salary basis as per norms of the University of Delhi.	Completed
7.	Approval of purchase of following items for Girls Hostel as detailed below: a. Night Vision Camera 16 Nos. b. DVR 01 No. c. Aquaguard 02 Nos. d. Intercom 02 Nos. e. Public Address System with Speaker 01 No. f. Refrigerator 02 Nos. g. Water Cooler 02 Nos. h. Toaster 03 Nos. i. Microwave 02 Nos. j. Bed and Almirah for the Warden Room 01 No. each	Completed except for water coolers and toasters
8.	The tenure of M/s Rahul Caterers extended for a period of one year beyond 01.07.2014 on the same terms and conditions was reported, recorded and approved.	Completed
9.	The auction/sale of College Ambassador Car No: DL9CA0021 and subsequent deposit of money received through auction in college accounts was reported and recorded and approved.	Completed
10.	E-mail dated 05.08.2014 received from the Director, University Computer Center, University of Delhi regarding discontinuation of Agreement for the use of Microsoft desktop software which primarily consisted of Windows 7 operating system and Microsoft Office Pro	Completed but yet to purchase the licenses of MS Office

	2010 was reported and recorded. The Governing Body members also permitted the college to procure 3-5 license of M.S Office to run the Students and Accounts related software and the expenditure was allowed to be met from College Computer Fund.	
11.	The GB members approved the request of the college for getting PNG (Piped Natural Gas) connection through Indraprastha Gas Ltd. (IGL) for college canteen, hostel mess and college labs was approved subject to completion of all formalities.	Initiated
12.	The GB members approved the request of the college for purchase of six water coolers from College Development Fund in view of serious drinking water problem faced by the students.	Pending as matter was forwarded to DHE.
13.	The GB members approved the request of the college for purchase of batteries for UPS and for Laptops in lieu of the old dysfunctional batteries from College Computer Fund was approved.	Completed
14.	The GB members approved the request of the Girls' Hostel students regarding purchase of two Aquaguards (from the Hostel Fund) for the Water Coolers going to be installed in different floors of the Girls Hostel.	Completed
15.	The matter to increase the hostel fee due to increased rates of electricity (NDPL), water (DJB), Increased Minimum wages of Security and Hosek Keeping Personnel and Building of additional-essential Assets from the next Academic Session was reported, recorded and approved in principle. However the Governing Body members informed the college to prepare a revised fee structure and get it approved in the next Governing Body after through deliberations and discussions.	Under process

Table 6-3: Resolutions/ Important Decisions made by the GB in 2014-15 (Third Meeting) and its Status

At its meeting held on 9th September, 2014		
S.No.	Resolutions/ Actions	Status
1.	Appointment of the teachers on ad-hoc basis at minimum of the appropriate pay band of ₹ 15600-39100+AGP 6000 during the year (2014-15) in the respective departments as per University guidelines.	Completed
2.	Appointment of the guest faculty as per University of Delhi guidelines on rates of honorarium as approved by the University for the year 2014-15.	Completed
3.	The issue for revision of fee for the student of B.Tech in Computer Science – II Year (III Semester) was deliberated upon in the house and the GB Members felt the need to defer the matter till the next G.B meeting in order to seek further clarification from various colleges and Administrative Offices of University of Delhi.	Matter was deffered
4.	The matter regarding issue of Laptops to the I- Semester Students was discussed and unanimously resolved that laptops may be issued to all I-Semester Students (if the number of students is not exceeding 530 – the number of Laptops received from University of Delhi last year) after completing all paper formalities i.e filling of Undertaking Proforma and submission of Insurance money etc. However, if the number of students of I - Semester is more than 530 (the number of Laptops received), the G.B informed the college to adhere to letter from Dy. Registrar regarding distribution of Laptops to students.	Laptops were distributed as per directions

| 5. | The matter regarding issue of Laptops to the all the permanent teachers was discussed and unanimously resolved that Laptops may be issued to all the permanent teachers as per recommendation of the E-Learning Committee of the college. Excess number of Laptops be kept with authorized person for issue to Ad-hoc teachers on daily basis. | Laptops distributed |

Table 6-4: Resolutions/ Important Decisions made by the GB in 2014-15 (Fourth Meeting) and its Status

At its meeting held on 19th January, 2015		
S.No.	Resolutions/ Actions	Status
1.	Grant of approval for the engagement of one Guest Lecturer (UR) in the Department of Mathematics due to non-availability of unengaged/unemployed ST candidate on the Ad-hoc Panel.	Completed
2.	Grant of permission to float the options of Philosophy (LOGIC) and Sociology as Concurrent- Interdisciplinary paper to the students of B.A (H) Psychology – VI Semester and engagement of Guest Lecturer/s in lieu thereof.	Options floated
3.	Grant of approval for the re-distributed/ reallocated vacant Teaching Posts as per semester based syllabi and the subsequent revised Roster (for filling of the teaching vacancies in various departments) that was prepared and sent to University of Delhi for vetting.	Approval granted by GB
4.	Appointment of Ms. Anju Tyagi as a Warden of the Girls Hostel at ₹ 20000/- per month consolidated salary alongwith free one room accommodation, meals and Water & Electricity for a period of 6 months w.e.f 08.01.2015.	Completed
5.	Appointment of Ms. Baby as a Lady Attendant for the night duty in the Girls' Hostel at consolidated salary of ₹ 11000/- per month in the hostel w.e.f. 24.09.2014.	Completed
6.	The House was informed that now since a warden has recently joined on 8th January, 2015 therefore Ms. Baby (Lady Attendant of the Hostel previously on night duty) shall be reverted to day duty w.e.f. 10.01.2015 and paid the contractual salary of ₹ 8250/- henceforth.	Completed
7.	Appointment of Ms. Shabana as a J.L.I.A in the Library of College at a consolidated salary of ₹ 13200/- per month w.e.f. 11.12.2014.	Appointment was made
8.	Appointment of Mohammed Shakir as a MTS – Library Attendant in college at a consolidated salary of ₹ 8250/- per month w.e.f 01.12.2014 a. M/s Knight Watch [7 (6 male and 1 female) for college on 8 hours duty and 3 (2 female and 1 male) for Hostel on 8 hours duty] b. M/s Sulabh International (7 for college and 3 for Girls Hostel)	Appointment was made
9.	Appointment of the teachers on ad-hoc basis at minimum of the appropriate pay band of ₹ 15600-39100+AGP 6000 during the year (2014-15) in the respective departments as per University guidelines.	Appointment was made
10.	Appointment of the guest faculty on rates of honorarium as approved by the University (2014-15) as per University guidelines	Appointment was made
11.	Re-Appointment / Appointment of the non-teaching staff on consolidated salary basis as per norms of the University of Delhi.	Appointment was made

12.	The recommendations of the College Sports Committee to charge a fine of ₹ 200/- per day from the students (Admitted under Sports Category) who are not attending the coaching camp/ daily practice was reported, recorded and approved:	Approved
13.	The receipt of letter from the teachers of Computer Science of the college for urgent requirement of 50 new computers in lieu of 67 old condemned computer systems in the labs was reported and recorded. The house was informed that the systems were purchased during the period 1997 to 2006 and were very old and completely obsolete. The systems were also not supporting the software's prescribed in the curriculum of the courses to be taught. Hence, the urgent need to buy 50 new systems in lieu of the condemned ones was put forward. The GB after hearing the plea of the teachers of the Computer Science department, advised the college to again take up the matter with the Directorate of Higher Education for granting the administrative approval of the same citing the urgency.	Completed
14.	The directive from the University of Delhi to its colleges to teach Environmental Science papers to all First Year Students (Half of them in I- Semester and remaining half in II – Semester) was reported and recorded. The requirement of two teachers, for the teaching of the EVS paper as reported by the college was considered and Governing Body approved the creation of two additional teaching posts for teaching of the same and allowed the college to write to DHE for its approval.	Implemented
15.	The Governing Body members also approved creation of additional 26 posts as per students teachers ratio as detailed (1569-276=1293/12=107.75=108 + 276/15=18.4=18). The GB further directed the college to take the administrative approval from Directorate of Higher Education before making any Ad-hoc arrangements.	Under process
16.	The request of the current students of III/IV Semester students previously enrolled under B.Tech Computer Science during the Academic Year 2013-14 under FYUP programme regarding charging of a lower fee for the course as that was charged when the same students were in I-Semester was reported, recorded and approved. The GB directed the college to refund back the excess money that was charged from these students.	Refunded the excess back to the students
17.	The receipt of letter dated 16.01.2015 from Faculty Members of Department of Business Studies regarding enhancement of fees from students of BBS course was reported, recorded and approved. The GB approved the college to charge an additional fees from the comind academic session under the following heads: a. Seminar and Inter College Activities : ₹ 500/- b. Corporate/Industrialization Interaction Fund : ₹ 4,000/- c. Alumni Registration Fee (3rd Year students only) : ₹ 200/- d. Social Function Fee : ₹ 1,000/-	shall be implemented from coming academic session

6.2.8 **Status of autonomy**

The University of Delhi does not provide the status of autonomous Institution to its constituent colleges. The College follows academic calendar and syllabus finalized by the University for the Programmes running in the College. The admission process is carried out under the guidelines of the University and the degrees are also awarded by the University.

6.2.9 Grievances / Complaints Redressal

The College sensitively deals with the grievances and complaints brought by the stakeholders. Full and sincere efforts are made to promptly attend and resolve the grievances effectively.

- Although most of the students' complaints get redressed at Teacher's level, Teacher-in-charge's Level or at Principal's Level, however, depending upon the nature of the grievance, students can approach several other committees of the College also.

- There is a mechanism to analyze and deal with the grievances and indiscipline in the College.

- Following committees are purposely constituted to handle students or staff grievances or complaints of students and staff based on their type.

  - **Internal Complaints Committee**: All matters / complaints relating to Sexual Harassment are dealt by this committee, as per gazette notification, in accordance with the Policy on Sexual harassment. The committee has one of the members from outside the College who is an advocate. Other members are from teaching and non-teaching staff.

  - **College and Hostel Anti-Ragging Committee:** All matters/ complaints relating to ragging of students are dealt by this committee. The College and the Hostel campus is a strictly ragging prohibited zone. The Anti-Ragging Committee (Names of members with telephone numbers) is notified at various places in the College and Hostel premises as well as the College website. In case of any incident related to ragging, any student can contact any of the College staff members immediately. The matter is then resolved promptly by the Anti-Ragging Committee as per University of Delhi rules. Apart from this, the committee keeps extra vigil on the campus and at the Hostel during the first few months of the new session so as to avoid any unpleasant incidence.

  - **College and Hostel Proctorial Committee**: All matters/ complaints relating to indiscipline are dealt by this committee. The contact details of the members are displayed at prominent places in the college premises as required and also published on the college website. Any student may contact the committee members for any type of grievances/ indiscipline or they may submit their written complain to the Principal by writing their nature of problems they face in the college.

  - **Enabling Committee for Admissions:** A committee of 4-5 faculty members is constituted especially during the time of admission. The committee members make appropriate provisions to extend help to students in general, and physically challenged students or under-priveldged students in particular. Besides helping students during the entire admission process, the members also deal with the complaints/ grievances of these students.

  - **Grievance Committee for Admissions:** A special committee of faculty members is formed to deal with all kinds of grievances/

complaints of students relating to the admission. The committee members try to instantly dispose of the complaints by following rules and procedures without any bias.

* **Students' Grievance Committee:**

  ▪ Any student may contact the committee members for any type grievances/indiscipline or either they may submit their written complain to the Principal by writing their nature of problems they face in the College.

  ▪ The Principal in turn may forward their grievances to the appropriate committee convener depending on the nature of complaint.

  ▪ The Convener then calls the Committee meetings and places the matter there. The members take the decisions by analyzing the facts after thorough investigating the matter.

  ▪ The Committee then submits their decisions to the Principal for consideration, approval and implementation.

* **Grievance committee for College Staff:** The College has formed a Grievance committee on 6th April 2015 to address the grievances of the College staff members. Previously such complaints were discussed at Governing Body level. Now the grievances shall first be discussed and resolved at the committee level and then if need be shall be referred to the Governing Body. The non-teaching members in the committee were duly elected by the non-teaching staff. Other members of the committee are the Principal, Secretary- Staff Council, two teacher representatives on the list of GB as per rotation and SO (Administration Office)

• The information regarding the procedures to lodge any type of complaints is provided at various places such as in College Information Boucher which is provided to every student at the time of admission, the College and the University of Delhi websites and at all prominent notice boards. The information about the committee members along with their contact details is also notified.

• The students are informed by the Principal on the orientation day and also contacted by various committee members for educating them and making them aware of the committees for lodging different types of complaints. They are also cautioned regarding the punishments for indiscipline or non-tolerable offences.

6.2.10 Information regarding court cases

Yes, there are two pending court cases since 1998 (one with Labour court and one with the Hon'ble High Court, Delhi) filed by Shri Rambir, a daily wages mali who has been a habitual offender for his regular unauthorized absence from duty.

An interim decision of the Hon'ble High Court ordered the College authority to reinstate him. Since then he has been engaged in the College on daily

wages. However he continues to be a repeat offender as far as unauthorized absence from duty is concerned. The College is waiting for judgment of the Hon'ble court.

6.2.11 Mechanism for analyzing student feedback on institutional performance

The Institute usually uses the informal feedback mechanism from the students regarding the infrastructure, teaching, completion of the curriculum or other facilities. A suggestion box is also placed in the college for the same. The suggestions received through various means are considered earnestly and efforts are made to take appropriate actions as soon as possible.

The college is working towards a formal feedback mechanism through its recently formed IQAC committee.

6.3 Faculty Empowerment Strategies

6.3.1 Institution's efforts to enhance the professional development of its teaching and non-teaching staff

Faculty members are pillars of any educational institution. They are encouraged to enhance their qualifications and pursue further studies.

- They are encouraged to attend Conferences, Seminars, Symposiums, Workshops, Refresher Course, Orientation Programme, Training Programmes etc. for which they are granted leave also. In addition, they get financial assistance as per UGC/ University rules.

- They are encouraged to undertake Minor/Major research projects with the help of respective funding agencies.

- They are encouraged to register for PhD in their respective areas for which the faculty gets the study leave, and after completion of the Doctorate, the faculty gets increments in the salary as per the University's rule.

Table 6-5: Training for Non-Teaching Staff

S.No.	Name of the training program & the institute which organized the same.	Non-Teaching staff trained in 2012-13
1.	Training on Basic Functional efficiency in Establishment/ Service Matters (19.11.2012 to 21.11.2012)	Mr. Raj Kumar
		Mr. P.K. Bhatia
2.	Training on Refresher Course on Office Procedure for LDC's and Equivalents (29.01.2013 to 03.05.2013)	Mr. A. S. Mehra
		Mr. Kamal Gulati
		Mr. Deepak Singh Saun

6.3.2 Strategies for faculty empowerment

- Faculty Members are suitably trained as per the changes in the curriculum.

- They are allowed to participate in the workshops conducted by the University during syllabus changes/revisions.

- Various committees are constituted by the Principal and the Staff Council which empowers faculty members and help in developing leadership qualities & enhancing teamwork.

- Four Innovation Projects were granted by the University of Delhi. Such project brings-out and utilizes the inner qualities and research aptitude of the faculty members.

- The Executive Council and the Academic Council of the University both have representatives from the teaching community to ensure their active involvement in decision making.

- The Governing body of the College also has teacher representative to ensure their participation in major policy decision.

6.3.3 Performance appraisal system of the staff

- The performance appraisal of the administrative and accounts staff members is done by the Principal through their respective Section Officers.

- The performance appraisal of Section Officers (Administration and Accounts) is done by the Principal directly.

- The performance appraisal of laboratory staff is done by the Principal through their respective Teacher-In-Charge.

- The performance appraisal of library staff members is done by the Principal through the Librarian.

- The complete transparency is ensured in the entire process and professional as well as human approach is adopted.

6.3.4 Outcomes of the performance appraisal reports

- Principal reviews the performance and results of the faculties from time to time.

- The Teacher In-charges of the various departments keep a close watch over the academic functioning of the department and the same is discussed with the Principal periodically.

- Performance of the Ad-hoc and Guest faculty members is periodically reviewed by the permanent faculty members and communicated to the Principal by respective Teacher-In-Charges.

- The functioning of the Laboratory staff is also monitored by the respective Teacher In-charge and the same is discussed with the Principal periodically.

- The necessary self-appraisal forms are submitted by the faculty members to the Principal for their promotion under the Career Advancement Schemes. The same are reviewed by the Principal and forwarded to the concerned department of the University with necessary recommendations.

6.3.5 Welfare schemes

The welfare schemes include:

- Group Insurance

- Medical Reimbursement

- LTC and HTC

- Encashment of leave

- Maternity leave

- Paternity leave

- Child care leave

- Study leave

- Special Casual leave

- Extra Ordinary leave with permission to retain liean. Leave without pay to accept important assignment in other Universities/ Educational Institutions etc.Deputation to foreign Universities under faculty exchange program.

- University of Delhi reserves seats for admission of children of teachers and staff under ward quota.

- Loan facility through Thrift and Credit Society of the College.

Table 6-6: Percentage of Staff who has Availed Welfare Schemes in the last four years

Financial Year	Group Insurance	Medical Reimbursement		LTC for Block Year 2010-2013		Thrift & Credit Society	
		Teaching	Non-Teaching	Teaching	Non-Teaching	Teaching	Non-Teaching
2010-11	100	14.89	67.5	53.2	60	36.36	63.63
2011-12	100	19.15	77.5			40	90
2012-13	100	31.92	65			58	90
2013-14	100	21.28	70			58	90

Table 6-7: Number of Staff Members who has Availed Leave Facility in the last four years

Academic Year	Deputation to Foreign University under Faculty Exchange Programme	Child Care Leave	Study Leave	Maternity/ Paternity leave			
				Teaching		Non-Teaching	
				Paternity	Maternity	Paternity	Maternity
2010-11	-	9	6	-	1	2	1
2011-12	-	11	6	-	5	-	-

2012-13	2	14	6	1	2	-	-
2013-14	-	13	5	1	3	1	1

6.3.6 Measures taken by the College for attracting and retaining eminent faculty

The measures taken by the College for attracting and retaining eminent faculty include:

- The College encourages faculty members to undertake higher research work like PhD and Post-doctorate etc.

- The faculty members are encouraged to participate in national/ international level Conferences, Seminars, Symposiums, Workshops, Refresher Courses, Orientation Programmes, and Training Programmes etc. The leave is granted and financial assistance is provided as per UGC/ University rules.

- The faculty members are encouraged to undertake Minor/ Major/ Innovative Research projects.

- The faculty members are involved in decision making by including them in various committees formed by the Principal and the Staff Council.

- Their timely promotion is ensured through the effective implementation of the Career Advancement Scheme.

6.4 Financial Management and Resource Mobilization

6.4.1 Mechanism to monitor effective use of available financial resources

- The College has formulated a system of Budgetary Control for each financial year. It prepares its budget in advance for the forthcoming financial year. The estimated budget is sent to the Govt. of NCT of Delhi through the University of Delhi. The expenditure is monitored and controlled keeping in view the budget sanctioned.

- For monitoring effective and efficient use of available financial resources, the College asks for the requirements from various departments along with their estimated cost and justification, right in the beginning of the year. These requirements are properly analyzed and priorities fixed as per the finances available.

- The purchases are made through the Central Purchase Committee and the Departmental Purchase Committees. The available amount is spent after following the due General Financial Rules (GFR) regarding purchases to be made. Quotations are invited by publishing on the University of Delhi and college website, writing letters to vendors or if the amount exceeds a particular limit then invited through advertisements in the news dailies. The prices/ quoted rates are compared and order placed with L1 (least first vendor) vendor except in cases where quality is also a matter of great concern

- The established procedure for purchasing of capital items on tendering basis is followed. Prior approval of the sanctioning authority is also obtained for the expenditures after following the due procedures.

- All the event in-charges of the various college activities also prepare their respective budget and get it approved from the competent authority. After completion of the event, the actual budget is submitted to the College office.

- The major source of revenue of the College is fund received from the Govt of NCT of Delhi. The College also gets fund from UGC and the University Delhi and the same are utilized for specific purposes as directed by the respective funding authority.

- Unnecessary expenditures are strictly avoided and it is also ensured that expenditure is kept within the sanctioned limit.

- A regular annual stock verification is also ensured for all the departments by the College Authority. Non-serviceable items are written off and disposed off after following due procedure.

- All the Receipts and Payments are closely supervised by the Bursar and the Section Officer (Accounts) and are also monitored by the College Principal.

- College accounts are audited annually by Local Fund Accounts of the Govt. of NCT of Delhi. In addition to this, the College has an effective internal control system that comprises of internal check system and the internal Audit.

6.4.2 Mechanisms for internal and external audit

- The College has adopted a very sound accounting system. All necessary books of accounts are properly maintained by our accounts department.

- The College has developed its own internal check system. All transactions are verified at three stages. The errors of omissions/ commissions (if any) are corrected by the staff instantly.

- Internal Audit is conducted annually by the Internal Auditor (a qualified Chartered Accountant) appointed by the Governing Body of the College.

- External Audit is also conducted annually by Local Fund Accounts of the Govt. of NCT of Delhi. The last audit has been carried out from 16th Dec to 23rd Dec 2014 for the financial year 2013-14. There were no major audit objections. Only some procedural lacunae were pointed out which have already been complied with.

- The Controller and Auditor General of India (CAG) had also conducted an Audit during the 2008-09. No major objections were raised by the auditors at that time also. All the respective audit observations have already been settled long back.

6.4.3 Major sources of institutional receipts/funding

- The College being a 100% funded College of the Govt. of NCT of Delhi gets its grants from the Govt. of NCT of Delhi.

- The plan development grants of the UGC under section2 (f) and 12 (b) of the UGC Act 1956 are also available.

- The College also gets fund from the UGC and the University of Delhi which are utilized for specific purposes as directed by the respective funding authority.

- The College also gets funds from the students' fees and fines.

- The College has received first installment of ₹ 4,00,000 from the UGC under 12th plan for books, journals, equipment and their maintenance, examination reforms etc.

- 'Unutilized grants' of the last financial year are utilized till the fresh grants are received for the current financial year. However the 'unutilized grants' are adjusted in the fresh grants.

6.4.4 Efforts to acquire additional funding

- The Annual College festival 'Tryst' has also been a source of raising funds through sponsorship etc.

- Various departmental fests too attract sponsorship from the business and industry.

- The College follows a strict monitoring process for the sponsorships obtained by the Organizing Committee of the respective fest.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. IQAC - Policy and quality assurance processes

- IQAC was formed on 5th May 2014 as a part of NAAC guidelines. The external member representatives were added to the committee on 18th Dec 2014, as per the IQAC constitution guidelines.

- The Committee is working towards the formulation of the institutional policies regarding quality and quality assurance procedures.

b. Decisions approved and implemented by the management

- Since IQAC has just been formed and working towards formation of the institutional quality policy, the cell has guided /suggested some steps to the members of the College to adopt for a strict quality control.

- However, the departments assess their requirements with regard to quality from time to time and submit their requests to the Principal. The decisions on the issues are then taken up by the management.

c. External members on the IQAC

The IQAC of the institute has been constituted as per the guidelines on 18th Dec 2014. It has the following constitution:

- Two external members from the academia with considerable work experience.

- One member from the College Alumni

- The principal of the College as chairperson

- Six internal faculty members including one member as a coordinator.

d. Role of students and alumni in IQAC

The IQAC of the College has one of its members from the College alumni. IQAC will frame the guidelines for the role of students and alumni so that they could also contribute towards improving quality of the College in all aspects.

e. Contribution of staff and different constituents of the College to IQAC

The IQAC will frame the guidelines for the contribution of staff and other constituents of the College. In the first meeting held on 14th March 2015, it was discussed that the faculty must provide the teaching plan to the students at the beginning of every semester.

6.5.2 Integrated framework for Quality assurance of the academic and administrative activities

The framework for Quality Assurance of the academic and administrative activities will be designed by the IQAC. Some measures such as result analyses, dissemination instruction plan to the students, promoting research by opening student chapters with subject related organization were discussed in the first IQAC meeting.

6.5.3 Training to its staff to maintain Quality

Since IQAC has recently been formed, the training to its staff (teaching and non-teaching) members will be planned by the committee. However, before its inception Teaching and Non-Teaching technical staffs were permitted to attend various Seminars and Conferences held in the university.

6.5.4 Academic Audit or other external review of the academic provisions

IQAC has initiated the process of formalizing the audit. The IQAC has discussed that feeback should be taken from all the stakeholders of the College. The Teacher In-Charges of every department ensures that the teachers of their departments are meeting their classes, and monitor the progress of curriculum. The matters consecutively are discussed with the Principal on regular basis.

6.5.5 IQAC and other external quality assurance agencies/regulatory authorities

A formal feeback mechanism by all the stakeholders including parents, alumini and placement companies, has been proposed by the IQAC.

6.5.6 Institutional mechanisms to review the teaching learning process

- All University guidelines are followed in teaching the curriculum and learning is assessed through the assignments, presentations, class tests and semester examinations.

- An external review is received as informal feedbacks of the people coming from industry for placements. They communicate the learning outcome of the students through the placement coordinators to the College.

6.5.7 Declaration of the institution's quality assurance policies, mechanisms and outcomes

- The information regarding the Institutional quality policies, mechanisms and outcomes is communicated from time to time to its various stakeholders.

- At the start of each academic session an information bulletin of the College is published which details various institutional procedures, its quality, infrastructure, facilities, admissions and rules for conduct.

- On the first teaching day of the academic session (Orientation day), these guidelines are communicated to the fresh entrants and their parents.

- Relevant information is updated and communicated from time to time through the College website, and notices are put at the prominent places of the institute.

- At the end of the academic session, the College celebrates its Annual Day in which the Principal releases an Annual Report which lists the achievements of the College.

CRITERION VII: Innovations and Best Practices

7.1   Environment Consciousness

7.1.1   Green Audit of its campus and facilities

The College has adopted various measures to develop eco-friendly environment in order to keep the campus clean and green, however no formal green audit has been conducted in the campus. Some of the efforts made in this direction by the staff and students are mentioned below:

- College showed enthusiastic participation in the 'Rashtriya Swachchhata Abhiyan' as initiated by Honorable Prime Minister Shri Narendra Modi.

- In order to promote cleanliness, National Cleanliness Drive was initiated on 2nd October, 2014 to develop a positive thinking towards environment, thereby motivating and ensuring the continuance of this good practice.

- During this cleanliness drive both the College staff members as well as students took great interest and contributed their bit to make the College premises shining and clean. Students used their creativity and made posters spreading awareness on issues promoting cleanliness

- In September 2014, the Hostel girls' celebrated Ganesh Chaturthi by *ecofriendly immersion of Lord Ganesh idol*. **The students made Lord Ganesh   from earth mud**, painted it with eco-friendly paints and after 10 days of worshiping, they submerged it in a clay pot filled with water. The pot was covered with red color cotton cloth and same was allowed to stay undisturbed for 7 days. During this period the clay idol got completely dissolved in water. After 7 days this water was used to water other potted plants with a positive thinking thatt the same can regenerate new plant life by becoming fertile soil. The practice promoted the ideology that religious ceremonies need not bring pollution to the earth but can be performed in a way to nurture the planet.

- The college has a Garden Committee, specially constituted to take care of the beautiful green campus, its sprawling lawns and flower beds. The committee with the help of students works throughout the year to spread awareness by conducting plantation drives and performing activities to keep the environment green and clean.

- Prakriti, the environment club works by the motto Tat Tvam Asi (that thou art) promoting the ideology that humans are constituent of their environment. The club activities include planting trees, recycling waste, taking steps to control air/water pollution etc.

- All organic waste of the college is accumulated in a compost pit, dug in the college premises. Rest of the waste is collected on daily basis by the MCD van.

- Circulation of important circulars through internet (emails) is promoted, in order to avoid wastage of paper.

- Biometric Attendance System is in place for the non-teaching staff which has helped to have a complete paperless system.

- The College has successfully built and installed in-house developed online attendance software, where teachers can submit students' monthly attendance online and immediately after submitting, the students can view it.

7.1.2 Initiatives taken by the College to make the campus eco-friendly

- Being the youngest College, the infrastructure of the College facilitates green bed in the College premises along with traditional and modern methods of care. The infrastructure is both innovative and energy efficient.

- A special committee named as 'Garden Committee' is also dedicated to keep a check on the requirements related issues of the flora of the College.

- Students are encouraged to submit their files in soft copy and less of paper work is advised. In case of administrative, lab and official work, both sides of papers are utilized and even one sided waste papers are utilized for preparing draft notes. The emphasis has always been on minimal use of paper.

Energy conservation

- Students, teachers, non-teaching staff and the Principal as well make all possible efforts to minimize energy utilization. This includes minimal use of AC units and heaters only when it is absolutely necessary, taking care of switching off the lights, fans etc. when not using them.

- Making use of TFT monitor screens in all laboratories.

- Creating sense of awareness to switch off fans/ lights when not in use.

- A huge centrally built open Amphitheatre within the infrastructure allows having natural light.

- Lift installed in College is specifically for use by differently abled people.

- Use of CFL and tube lights in place of tungsten lamps.

- Laboratory equipments, computers and ACs are serviced periodically so as to minimize the power consumption.

Water harvesting

- The College had initiated the process for water harvesting a long back. However the PWD on inspecting the area recommended that the campus does not require it because of availability of water at shallow depth.

- The College building is constructed in such a way that the rain water and overflowing water from roof tanks flows down through drain pipes into the ground directly, which waters the plants without making the lawns and campus area messy.

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Efforts for Carbon neutrality

- Campus is surrounded by beautiful garden, trees and lawns to purify the air.

- Limited vehicles are permitted inside the campus and the few which are permitted are kept at a distance from classrooms.

Plantation

- Tree Plantation Drive was held on 14th Aug 2014 for planting saplings.

- The Principal motivated the Hostel residents to adopt at least two plants each. The students pledged to give their efforts towards their care. Efforts are made to inculcate this tradition every year amongst students.

Hazardous waste management

- Other non-hazardous waste from the Hostel and Canteen is disposed in to MCD trucks for its safe disposal.

- The Chemistry department is making efforts towards disposal of the waste in proper and harmless manner. For instance use of semi micro/ micro techniques to reduce/minimize waste generation.

E-waste management

- Obsolete ICT equipments are disposed through proper measures as per the E-waste management guidelines.

- To foster sense of responsibility towards e-waste management, the College on 27th Dec 2014 organized a seminar on "Awareness for safe management and handling of E-waste" by GIZ-IGEP (Indo-German Environment Partnership).

7.2   Innovations

7.2.1   Details of innovations introduced during the last four years which have created a positive impact on the functioning of the college

The College has gone through a lot of development process in last few years. From academics to cultural activities a lot of improvisations have been noticed. Apart from maintaining and keeping an eye on the wellbeing of the older facilities, new initiatives as per the changing scenarios have also taken place.

Reducing paper wastage

- Keeping in view the wastage of paper, students are given the option to submit the assignments via e-mail. For practical records submission, a CD

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for the students of entire class is advised in the department of computer science.

- Student's attendance is uploaded on the website on monthly basis. This keeps the students aware if they are falling short of attendance. This also helps the faculty to have a managed online record instead of pile of papers. The faculty members are given separate credentials to log in.

Benefiting from constructive technology usage

- The College was also a part of the latest Massive open online course (MOOC) conducted by DU. Many students registered themselves for the same and connected to the north campus center via the Web Cast Technology. The College took great initiative to maintain a room for it and is ready for any future opportunities and teaching strategies like this.

Innovations at students' front

- The Hostel campus has a huge green area and around 200 earthen pots with plants in its lawns. This requires substantial efforts to maintain the green area and keep it clean, that too by the only one Gardner. This situation and intent to keep the campus green and beautiful gave birth to an innovative thought. In start of the academic session 2014-15, the students were asked to adopt one to two pots of the Hostel and to take care of these pots by each student. This innovation not only developed a sense of belongingness amongst students but also helped in beautification of the Hostel campus.

Innovations by various committees

- In 2013-14 and July-Dec 2014-15 sessions the **Internet and Website Monitoring Committee** along with the College programmer worked to manage online submission of Students' monthly attendance using Google drive. Though this system gave paper-less procedure, upload of attendance for public viewing was not automatic or dynamic. After the hard work of the programmer and few faculty members for more than a year, the College successfully built and installed its new online Attendance Management System from Jan 2015 onwards. The new attendance software has offered the following benefits:

  ∗ saving the time for uploading of attendance,

  ∗ eliminating manual intervention of non-teaching staff for the uploading purpose,

  ∗ has made the process of updating easier and prompt as the faculty can simply log in their user id and make suitable changes in the attendance uploaded for a student in case of notice of error in the same,

  ∗ has made the entire process paper less,

* provides automatically calculated percentage of lectures attended that indicates students who are short of attendance,

* has made the process of computation of marks for attendance in internal assessment easier as it automatically calculates and displays aggregate attendance for the entire semester.

- **The Central Workload Committee** has designed a common form in which every department fills their workload. This gave uniformity in the system across all departments besides the ease and convenience.

- **The Cultural Committee** has permitted the creation and functioning of all the extra-curricular and co-curricular societies in the last four years. This provides a platform for students to showcase their talent. It has increased enthusiasm amongst students and promotes all round development of students. Due to increased extra-curricular activities, the students have shown greater involvement in academics as well. Doing well in intra and inter-college competitions has helped in boosting the self-esteem of students.

- **The E-Learning Committee** has introduced the following facilities in the last four years which have created a positive impact on the functioning of the College.

* Wi-Fi Campus: The College campus is well connected through wired as well as wireless networks. Students have access to internet with 100 mbps connectivity by fiber optic/LAN cable backbone structure. The coverage of Wi-Fi is not only restricted to class rooms but also extends to all the areas including Library, Auditorium, Amphitheatre and Cafeteria. Eventually, it enables Keshav Mahavidyalaya to switch over to innovative and recent teaching and learning methodologies.

* E-enabled Classrooms: The College has six big Lecture theatres and 28 classrooms equipped with e-learning facility (with projector). Almost all classrooms in the College are e-enabled.

* Laptops have been provided to first year students to encourage E-learning.

* Laptops have also been provided to most of the faculty members for taking classes in E-enabled classrooms.

- The procedure and the phone numbers of the committee members to lodge ragging complaints are displayed at different places in the College premises by the **Anti-Ragging Committee**.

- In 2013-14 academic session, the **Magazine Committee** along with its students' representatives laid a theme that was taken throughout the magazine to represent various pearls in the whole thread. For Instance, in the year 2013-14, the issue was divided into three inter- connected sections, personal reflections, shades of society and being bliss.

- **The Canteen Committee** has introduced various measures from time to time for creating positive impact related with functioning of College canteen and Hostel mess on all its stakeholders such as surprise visit,

display of rate list with specifications of items, feedback related with quality, quantity, hygiene, services & behaviors etc.

Innovation projects taken by faculty members along with students

- Dr. Vipin Negi, Dr. Pradeep Kumar and Ms. Sonu Mehta have worked on an innovation project "Factors that determine the Shopping Behaviour of Customers of Big Shopping Retail Outlets and Small Neighbourhood 'Kirana' shops - A Statistical Survey of Customer Behaviour of Shopping in Delhi and NCR". The project analysis suggest that some desired changes can be brought about in the existing two formats: while the big retail outlets can provide services provided by kirana shops like proximity to residents, free home delivery, timely delivery of products, and giving option of making payment after the delivery of the products; kirana shops can try to be more modernized, sophisticated and organized in display of products and dealings with the consumers besides retaining their existing unique features.

- Dr. Mukesh, Dr. Dhanpal Singh, Mr Ravi Kumar Yadav and Dr Madhu Pruthi have worked on the innovation project entitled "To Develop an Early Warning System for Quality Deterioration of Ground Water and its Purification". The work done under the innovation project KM-202 was an attempt

  1. To bust the myth that groundwater can be consumed without any sort of purification.

  2. To spread awareness and sensitivity amongst the college going students, the main future decision making group of the society that also has ability to spread awareness amongst all the age groups, about the groundwater and its quality, deterioration of ground water quality with time and its purification, so that ultimate aim of sustainable usage of ground water can be achieved.

  3. To address the issue of deterioration of quality of ground water of different areas of Delhi with time by building a database.

The results obtained so far have clearly indicated that almost all the ground water samples which were analyzed in the lab failed to meet the quality standards (Biological/Chemical) prescribed by Central Pollution Control Board for drinking water.

- Dr. Ajay Arora, Dr. Priti Sehgal and Dr. Divya Haridas along with a team of 10 students were working on an innovation project entitled "Design and development of a low cost computerized laser Raman spectrometer indigenously for DU student laboratories". In the project undergraduate students have indigenously designed a low cost Raman spectrometer. Raman spectrometer designed in the present project resolved high cost issues and helped an undergraduate student to learn in-depth Raman analysis for which Sir C. V. Raman got a Nobel Prize. This endeavor can be further extended with future students towards the development of miniaturized and portable Raman spectrometers for specific field use and

for strategic applications of the Indian space research with further innovation in design and development.

- Dr. Harpreet Bhatia, Dr. Daisy Sharma and Dr. Amanjot Sachdeva have worked on the innovation project 'Optimism, ADL and Psychological Well- Being as Correlates of Coping: Enhancing Coping in the Elderly' the aim of which was to assess the impact of intervention on coping, levels of optimism and pessimism, psychological well-being and activities of daily life. The study consisted of 100 participants divided into

    a) Participants from Old Age Homes and

    b) Participants from family using accidental sampling method.

    The findings of the study revealed that there is a relationship between activities of daily living; psychological well-being and levels of optimism and post intervention the psychological well-being of the subjects have improved. There was a marked change in the behaviour of the elderly persons. Where their earlier coping methods were avoidance, aggression, and pessimism, over time it changed to positive reframing of events and forming of a social network amongst the inmates of the various old age homes. The overall negativity was observed to decrease. However, it was also observed that there was a high need for social engagement, and emotional support highlighting the need for social workers and psychologists in the old age homes.

- The College participated in **Gyanodaya-"College on wheels**" which is an initiative by the University of Delhi, under which a special train is arranged and the students along with a few teacher mentors take a trip to various places in India. Under Gyanodaya V trip, 10 students along with a teacher, Ms. Nidhi Passi visited India's North Eastern state "Sikkim" under the theme of "**Dharohar –The Glory of North-east**". Our college team worked on the project '**Gender Study: Women in Sikkim'**. The project delves to gain a deeper insight on the status of women in society and the role played by them in the economic growth of Sikkim. Further, comparing the lifestyle of women in Sikkim to other parts of India. This Education trip benefitted students to be familiar with people of north east and understanding their lifestyle, developing Critical thinking along with scientific temperament. The 12 days project journey also helped students in building their leadership qualities, intellectual thinking, team spirit, more sensitization towards people from different states, and respect towards their culture.

7.3   Best Practices

7.3.1   Best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college

The Principal, all Faculty members, Non-Teaching staff and the College students, all are committed towards doing their best for the betterment of the College. A number of best practices that are followed in the college such as:

- An internal verification of the stock in all departments including all laboratories, the Library, Accounts and Administration is carried out annually by the faculty teams nominated by the Principal.

- Unnecessary use of paper is discouraged, and the information in the digital form is encouraged as an alternate.

- Best efforts are made to keep the Campus green and clean.

- All the staff members including the Principal and a team of students ensure that the lights, fans, ACs/ heaters in the rooms or corridors are switched off when not required by anyone.

- During the cultural festivals students use their creativity where most of decoration is done by self-made objects/ props using waste material.

The college has declared its premises as a '**No Ragging and No Smoking Zone**' to curb unhealthy and undesirable practices. The Committees constituted for this purpose works throughout the year to vigil the campus.

The two best practices of the College are detailed below in the required format.

Best Practice – 1

Title: Initiatives for Social Impact and Developing Service Orientation

1. Goal

The goal is to inculcate values of social service among the students and to make them sensitive towards the economically and socially deprived section of the society. Another objective is to make a difference in the lives of the underprivileged and raise the level and quality of life of people of the society.

2. The Context

Socially responsible initiatives not only aid to uplift the current state of being but also nurture the value laden leadership potential in the students making them the nation builders of tomorrow. These initiatives allow the students to contribute in creating a social impact, raise awareness of issues, alleviate poverty through work in social entrepreneurship and create a better living environment. These social interactions are necessary to learn new experiences, and to serve the society by volunteering in community activities

3. The Practice

The above stated goals can be realized by varied means and creating formalized structures and societies like Rotract, NSS, Departmental societies, Eco clubs etc. which provide a medium to the students to contribute in meaningful ways to the society they are an integral part of. The **Rotract** club of the college, **Bizworld** - the commerce society, the NSS students, the Environment cell – **Prakriti,** and the Women Development Cell have contributed their bit by innovative practices that have created a desired social impact, made the world a little better and made the people aware of their rights and other issues affecting them. Social Entrepreneurship projects helped in raising awareness, providing hope and encouraging the slum dwellers to volunteer and to become self-reliant.

4. Evidence of Success

The Rotract club organized visits to old age homes and orphanages like the one at Sweet Home Orphanage, Najafgarh, where students experienced the most beautiful part of their life by celebrating an auspicious Diwali with the sweet little girls in the home. The most enthusiastic part of the visit was Drawing Competition where the girls of 5-18 years of age divided in groups of four showed their talent by picturing Diwali with beautiful colors, mirrors and stars. The students also undertook a small session where they taught the children some facts and beliefs about the Festival. The motive behind was to make them aware about the value of truthfulness, honesty and determination in life. Another such visit for compassion was organized at Saksham foundation near east Sagarpur, a school being run by an NGO to impart teaching to slum children. Students made the children prepare Greeting cards, Diyas and Candles which were sold in the college and the proceeds given back to the School. The students also conducted a small workshop on personal hygiene where they taught the children some necessary facts and ways to keep themselves healthy and free from diseases through an engaging power point presentation. Blood donation camp during 2013-14 witnessed that donors were not only confined to Keshav Mahavidyalaya but the residents of neighboring colonies also came forward to donate blood. The club was successful in collecting 100 units of blood.

The club also organized clothes and books donation drives in the past years and donated the huge collections of Clothes, shoes, pulses, grains and a large number of books to various non-government organizations and schools where they could be used in the best possible way. The students of the Rotract club also tried to change a day in the life of the elderly in the Old Age Homes. They organized interactive sessions with the elderly and tried to make a change in their lives by organizing performances for them. Many elders also opened up and shared their life stories, interests and varied talents. These small visits not only made a difference to the elderly but also made the student's change their whole concept of life. The club also organized Educational workshops like one on 'Legal Awareness & the Rights of Women in Constitutional Bills'. The workshop started by giving a detailed account of Justice Verma Committee's Commandment for women rights protection. Advocate D.L.Sahni threw light on various topics associated with implementation of Women's rights.

Student members of the Rotract Club attended the RYLA Meet. Rotary District 3010 had organized RYLA (Rotary Youth Leadership Awards) ceremony to award all those fellow members who by way of their work have created a distinctive place for themselves in the society. The award ceremony was organized from 20th to 22nd December 2013 in O.P. Jindal Global University, Sonepat which saw participation from fellow members around the world. The camp included various counselling sessions to guide and motivate the young students of the Rotract club to deal with the problems they face in life and to serve the society by volunteering in community activities.

The Commerce Society **BIZWORLD** started the vocational skill development program 'SUBHARAMBHA' which included training the women of J.J. Colony, Ashok Vihar for making diyas, candles (gel and wax) and jute

handicrafts. The society funded the requirements like raw materials and the products made were also exhibited during the Diwali festival in the college premises and proceeds donated to the women. The effectiveness of the project could be portrayed by the willingness of the residents to take it as source of income in future. Also, the paper bags, envelops and quelling products made by the students from NGO's were displayed at FLEDGLING the commerce fest. With the aim to combat illiteracy, ignorance, gender discrimination and social Inequality various lectures were delivered by the experts on the topics ranging from health & hygiene to consumer awareness and democracy. In this activity special focus was made on NGO students (14-19 years). The students also got an opportunity to hone their social leadership skills, enhancing their sense of responsibility, capacity of team work, and respect for resources.

The college has started its **National Service Scheme (NSS)** unit just a few years back with primary focus on instilling values by sensitizing the students towards weaker and under-priviliged community of the society. It upholds the very motto of NSS "Not me but you" and continuously work towards fulfilling the aims and objective of NSS. In recent years it has successfully organized various activities such as Free Health Checkup Camps, Public Lectures on Multidisciplinary topics by various eminent personalities, Blood Donation Camps, self-defence classes for girls, Educational Camps in nearby slum area, Anti-Tobacco Campaign and other social awareness activities.

Women's Development Cell of the college continuously works toward the upliftment of women in society. The cell was established in 2009 and aims at creating a systematic dissemination of information on gender parity. It aims to empower young minds with discourses' on equality. It plays a very important role in sensitizing students on issues related to gender through organizing seminars, talks, and films. The college makes efforts through Women's Development Cell to sensitize not only students but also the staff members by holding workshops/seminars/talks etc. from time to time.

Prakriti - the Environment Club of the college has always worked hard to promote the green culture in the college. From distinctly visible efforts like environment club activities to very indirect impacts on student mindset, environment club has changed the attitudes towards protecting the environment and also introduced the students to the green culture of the college. The club has tried to change the mindset of the individuals in college by telling them about the small steps they can take to help the environment by planting trees, using bins for waste, saving fuels, taking rounds of the campus and switching off lights & fans of the rooms not being used. Recognizing the importance of environment as a holistic entity to be respected and not merely used, the club activities include practising three RRR (Reduce, Reuse and Recycle), planting trees, taking steps to control air/water pollution, it reiterates the idiom "TAT TVAM ASI" (that thou art) i.e. man is a constituent of his environment.

5. Problems Encountered and Resources Required

Good deeds done with right intentions make meaningful differences but when there is a greater zeal and larger number of people who make their contributions results increase manifold. The clubs and societies have to keep encouraging students to volunteer and also require funds to sustain their

initiatives. Also motivating the slum dwellers in changing for the better or for taking up activities that can enhance their self reliance was quite challenging. The student volunteers had to spend around 4-5 hours daily for the lecture sessions apart from the initial visits, other preparatory and travel time. Apart from this safety concerns of girls had to be taken care of. The hygiene and safety conditions in the slum areas were a concern throughout.

Best Practice – 2

Title: Co- Curricular and Extra-curricular Activities – The axle for Holistic Development

6. Goal

To provide students an enabling environment that stimulates nurtures and brings forth the immense creative potential and talents of the students through diverse programs and activities.

7. The Context

Co-curricular and extra-curricular activities provide opportunities for holistic development, personality and character building, spiritual and physical growth, enhance the self-concept and self-reliance among students. As per the stated mission of the college the objective is an all-round personality development and to make the students achieve the following:

- Channelize their creative potential
- Provide a medium to exhibit their varied talents
- Enhance confidence to take new challenges
- To increase a sense of responsibility and taking charge
- Learn to work in teams
- Connect to the cultural roots
- Imbibe the notion of health and physical care
- Develop an awareness of the self and of others
- To enhance creative and independent thinking
- Be sensitized towards the social issues
- Manage available resources and their optimal use
- Learn prioritizing their work and time management skills

8. The Practice

A wide variety of co-curricular and extracurricular activities is an integral part of the holistic education at Keshav Mahavidyalaya. There are many societies and clubs which organize a variety of academic, sports, artistic and recreational events. Besides this the cultural committee of the college organizes a plethora of cultural events like the Orientation day, Fresher's Welcome, SPICMACAY, and Farewell throughout the year to unleash the talent and creativity of the students. The festival Committee organizes Annual cultural fest TRYST which sees a enormous participation from all Delhi University Colleges. The social impact and service is another feature of the

holistic development at the college. The socially responsible initiatives include ecofriendly initiatives by the Environment cell - Prakriti, Community service and outreach by the Rotract club, Self-defence classes and organizing Blood donations camps by NSS, Women empowerment initiatives by Women's Development cell. The socially responsible initiatives and experiences help the students to mature into responsible citizens. The different departments in the college also organize their festivals which include a number of intellect stimulating, cultural and fun events. The Cultural Societies of the college include ADVAITAA, The dance society; ANHAD, the Music Society; VAGMITA, Debating cum Poetry Society; MANIERA, the fine arts society; and SHADES, The Dramatics Society.

9. Evidence of Success

The availability of myriad channels to demonstrate talent and hone the creative and organizational skills of students has enabled the students to carve out a name and niche for themselves and in the process brought laurels to the College. These initiatives have allowed the students to develop their qualities of initiative, organizational skills, public speaking, leadership, self-help, and self-expression. The success can be evidenced by the results achieved by the students when representing the college through various societies and festivals as enumerated below.

Cultural Societies

ADVAITAA: The students of the dance society have represented the college at various levels bringing many accolades. A few of the achievements of the students in the past two years include bagging 1st position at Apeejay Institute of Management, Technia Institute of Management, Bartiya Vidya Bhawans Usha and Mittal Institute of Management, Symbiosis, Pune, Shyama Prasad Mukherjee college, JIMS, IP University, DIAS, IP University and many more.

ANHAD: ANHAD, the Music Society has won various positions in the past two years in the Battle of Bands Competitions like 1st Position at Antardhwani, 2015 organised by University of Delhi., 2nd Position in Delhi University's cultural fest Antardhwani, 2014, 2nd Position in IIT ROORKEE's Annual cultural festival Thomso 2015, 3rd Position in Ambedkar University.

VAGMITA: VAGMITA Debating cum Poetry Society has brought numerous laurels by winning in many poetry and debate competitions. Some of their achievements in past two years are 1st position at Hindi Creative Writing, Maitreyi college (RHAPSODY-2014), Poetry Recitation, Ram Lal Anand College, Creative Writing, Ram Lal Anand College, PEN YOURSELF (Creative Writing), Sri Guru Nanak Dev Khalsa College, Kavya Mela (Poetry, recitation), Sri Guru Nanak Dev Khalsa College and many more.

SHADES: The College's Dramatics Society has brought many laurels to the College. Some of these achieved in the past two years are 1st position in IIT Bombay, MOOD Indigo Finals at Mumbai, Best Production at KAR-MAA, Sahitya Kala Parishad, Mahavidyalaya Natya Samaroh, Street Play - HAQ HAI, Apeejay Institute of Management, Street Play(SYNERGY-2013), Apeejay Schcool of Management, 2nd Position Street Play - KAR-MAA, NOKIA India Fest- Delhi Zonals. etc.

Complete details of students' achievements are listed in Annexure B1.

Socially Responsible Initiatives

ROTRACT CLUB: The club organized clothes donation drives, book donation drives, Social entrepreneurship activities, visits to old age homes and orphanages, and blood donation camps and worked in collaboration with NGOs every year to encourage the spirit of service amongst students.

ENVIRONMENT CLUB–PRAKRITI: Recognizing the importance of environment as a holistic entity to be respected and not merely used, the club activities include planting trees, recycling waste, taking steps to control air/water pollution.

WOMEN'S DEVELOPMENT CELL: The cell played a very important role in sensitizing all about issues related to gender and regularly organized interactions to make the students aware about pressing issues. The cell has organized a workshop on Sexual Harassment – Ramification and Remedies with panelists Ms. Jyotika Kalra, Advocate-on-record, Supreme Court of India, Mr. Rajesh Gogna, Advocate, Supreme Court of India, Prof. Ambrish Saxena, Director - Vivekananda Institute of Professional Studies. A workshop on Health and Nutrition was also organized in which Dr. Seema Puri, Associate Professor at the Department of Nutrition, Institute of Home Economics, University of Delhi deliberated on various health issues and stressed importance of Nutrition in our lives by eating a balanced diet. A seminar on Breast and Ovarian Cancer was organized with Dr. Indu Aggarwal, Preventive Oncology, Rajiv Gandhi Cancer Institute and Research Centre as the resource person.

NSS: The College has an NSS wing which organized various activities in the form of talks, lectures, blood donation camps and self-defence classes which are very helpful to the students and staff and sensitize the students about their surroundings, the environment, women empowerment and other health issues.

The Cultural and Co-Curricular Activities which are organized by the college during a calendar year to ensure the holistic development and provide a platform for showcasing their multifarious talents are:

- **Orientation Day**: An orientation day for students is organized on the first day of the academic session in the College Auditorium to introduce them to the college and their teachers and apprise them on various activities and departments of the college.

- **Fresher's Welcome**: The academic session begins with a warm welcome for the newly enrolled first year students. The seniors hold a fresher's welcome which provides a platform for the interaction between the seniors and the juniors.

- **Annual Cultural Festival**: The Annual Cultural Festival, held every year in the months of February/March, is a cultural panorama on the college campus. It provides a forum for students to display their varied talents and compete with students of other colleges in different cultural events.

- **Sports Day**: The Department of Physical Education organizes a sports day every year which sees an enthusiastic participation by both students and teachers in various games.

- **Annual Day**: The Annual Day is held in the college every year. On this day, the deserving students of the college are felicitated. The University and College Examination toppers and achievers in other extracurricular activities are rewarded for their achievements with certificates and medals.

- **Farewell:** As the journey down the lane of undergraduate life draws to a close, the juniors bid adieu to the graduating students by holding a Farewell function in early April.

- **SPICMACAY**: is a society that carries forward the torch of India's classical music and culture across to the new generation. In recent years, SPICMACAY organized performances from guests like Pandit Viswa Mohan Bhatt, Pandit Shiv Kumar Sharma, Shovana Narayan, Warsi Brothers, S. Kanaka, Shashank Subramanyam etc.

Students under the guidance of the Festival Committee organize Annual Festival 'TRYST' which sees participation from a number of colleges from Delhi NCR. A variety of events like Dance- Western and Indian, Group Dance, Singing Competitions, Rangoli, Debate, Mock Stock, Kavi Sammelan, English Poetry recitation, Fashion Show, Street Play and a Musical Nite are organized.

Departmental Festivals

Besides the events organized by the Cultural Committee and Festival Committee, the department organize their individual festivals and activities to channelize the creative expression of students and encourage students to participate in various events. These events also hone their organizing skills.

- **Computer Science:** The Department organizes its annual festival **BLITZKRIEG** where various technical competitions like IT-quiz, Coding Challenge, Debugging Challenge, Photoshop, Music Making, Website Designing, and fun events such as LAN Gaming, IT Rangoli, Treasure Hunt etc. are held. The festival witnesses an overwhelming student turnout not only from the college itself but also from various other colleges of the University and other engineering institutes.

- **Commerce- 'FLEDGLING'** the annual commerce fest attracts a large number of students from Delhi University, IP University and various other colleges in and around Delhi. The events include Group Dances, LAN Gaming, Gully Cricket, Debate Competition, Poetry Competition, Street Play, Business Quiz, Mock-stock and Tug of War, etc. The department also takes out its annual newsletter 'Genesis' which showcases the creative expression of its students.

- **Business Studies**: The Department holds its annual event for school students, **CEO** (Challenge Enrich Outperform) for familiarizing school students to various aspects of college and corporate life through events like Street Play, Mock-Stock, Quiz, Ad-Mad show, Debate and Photography competition and be able to make right career choices by organizing career counseling sessions with renowned career counsellors. The Department also organizes its Annual Corporate Convention cum Cultural Festival **COGNIZANCE** which sees a huge participation from students from colleges of Delhi University, IP University, Amity University and many

other Institutes from outside Delhi. The department has a tradition of organizing a Friday activity every week. The objective of this activity is to break the monotony of classroom teaching and encourage students to interact. These Friday activities span across a wide area covering finance, marketing and human resource. In the past the department has organized various student interactions with Alumni who have started their own start-ups, general discussions on current affairs and the economy and various learning with fun activities that include, brand games, advertisement creation, logo designing, mock stock, MUN and so on. Besides this **Guest talks** with representatives from academia and industry are a regular feature in the department. The department also takes out its annual newsletter 'perspective' which reflects the creative expressions and charts out the event trajectory for the past year.

- **Physics:** The physics society Cosmos organizes its Physics Festival **"CURIOSITY"**. The festival hosts a lecture session by eminent Physicists and various events like Poster Presentation, Debate and Rangoli Competition on "Colours in Science", etc. The events see an active participation and tremendous contribution of students from all the three years.

- **Psychology:** The first departmental society "**INPSYCH**" was formulated to give students a medium to give expression to their creativity and deliberate on various issues. The society also takes out its magazine "Psynopsis" to encourage students to express themselves and become more knowledgeable in their field. The department organizes its annual festival '**FENESTRA**' in which a number of events like Poster presentations, Treasure hunt, Psychodrama etc. are organized.

- **Electronics**: The Electronics society '**ELECTRONIKA'** organizes its annual Electronics festival '**ELEXONIA'**. The festival includes an interactive lecture by eminent scientists and other student activities like Science Quiz, Picture Perception Test, LAN Gaming, Flick Click, Just a Minute, Treasure hunt and many more.

- **Mathematics**: **MODULUS** - an annual event of the Mathematical society takes place every year in which a variety of Mathematics based and other general competitions are held. The Department organizes talks by eminent speakers from IIT, Delhi and other Universities to expose the students to newer concepts.

Physical Education: The Department of Physical Education of the college has a gymnasium hall well equipped with fitness equipment. The college also has adequate facilities for games and sports like Table Tennis, Chess, Yoga, Basketball, Volleyball, Cricket, Netball, Korfball, Ball Badminton, Badminton, Football and Tennis etc. The college actively participates in sports activities from August to March every year according to the University Calendar. The department actively provides coaching and encourages students to participate in various events at Inter College, Inter University and National Level. The students have participated in a number of sports competitions at the National, State, Inter University level and Inter College level and brought many laurels as detailed in Annexure B1.

10. Problems Encountered and Resources Required

As the different events are executed during the course time only, one of the difficult tasks is to help students to cope with the curriculum along with extracurricular activities. The activities may be too time-intensive for positive benefits in the classroom. Extra classes' provision is considered regarding this but still students have to work hard to compensate the study loss. Finances also become a limit in organizing cultural fests. Students work hard to make their efforts a success but lack of resources and finances often makes them review and reduce their arrangements for the plan.

Evaluative Reports of Departments

Department of Business Studies

1. Name of the department: **Business Studies**

2. Year of Establishment: **2007**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   UG- Bachelor of Business Studies - BBS (3 Years)

   UG- Bachelor of Management Studies - BMS (3 Years) (Only for Batch 2013-16)

4. Names of Interdisciplinary courses and the departments/units involved

   BBS:

   Environmental Studies (II Semester)

5. Annual/ semester/choice based credit system (programme wise):

   Bachelor of Business Studies - BBS: Semester Mode
   Bachelor of Management Studies - BMS: Semester Mode

6. Participation of the department in the courses offered by other departments

   - **Principles of Economics (VI Semester) of B. Sc (H) Mathematics, Department of Mathematics**
   - **Financial Management, (I Semester) of B. Sc (G) Mathematical Science, Department of Mathematics**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of Teaching posts

	Sanctioned	Filled	Others
Professors	Nil	Nil	-
Associate Professors	Nil	Nil	-
Assisstant Professors	6	3 (including 1 on Study Leave)	4 Ad-hoc (including 1 against leave vacancy)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience (in years)	*Students guided for PhD
Mr. Subodh Pandit	Pursuing PhD, NET, M. Phil, M.B.E	Assistant Professor	Economics, Marketing, IT	14	-
Dr. Amanjot Sachdeva	PhD, NET, M.B.A,	Assistant Professor	OB, HR	13	-
Ms. Sonu Mehta	NET, M. Com	Assistant Professor	Finance, IT, Quantitative Techniques	12	-
Ad-hoc					
Ms. Astha Kanjlia	NET, M.B.A	Assistant Professor	Marketing, Finance	8	-
Ms. Kangan Jain	NET-JRF, M. Com	Assistant Professor	Finance	2	-
C.A., Kritee Manchanda	C.A, NET, M. Com,	Assistant Professor	Accountancy, Finance	3	-
Dr. Nomita Sharma	PhD, NET, M.B.A, M.C.A	Assistant Professor	OB, HR, IT	13	-
* No. of PhD Students guided for the last 4 years (including ongoing PhD supervision)					

11. List of senior visiting faculty:

- Prof. Raj S. Dhankar, Dean, FMS, University of Delhi
- Prof. Suresh Aggarwal, Dean, Faculty of Applied Social Sciences and Humanities, University of Delhi
- Prof. M. L. Singla, Dean Faculty of Management Studies, University of Delhi.
- Prof. Lallan Prasad, Ex-Dean, Department of Business Economics
- Dr. Kiran Datar, Advisor, National Knowledge Commission
- Prof. (Dr.) S.K. Ghosh, HR & Training Consultant & Accredited Master Trainer (Workshop)
- Mr. Tarun Pandey, Pearl Academy
- Dr. Ajay Kumar Singh, Department of Commerce, University of Delhi
- Dr. Vinod Kumar, Associate Professor, SGND Khalsa College, University of Delhi

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

BBS: 55.26%

BMS: 75%

13. Student -Teacher Ratio (programme wise):

BBS: 23:1

BMS: 42:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No.	Support Staff	Sanctioned Post(s)	Filled Post(s)	Others
1.	Lab Attendant	1	Nil	1 (Contractual)

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

S.No.	Qualification	No. of Faculty Members	
		Permanent	Ad-hoc
1.	PhD	1	1
2.	M.Phil.	1	Nil
3.	M.Com. / MBA	1	3

16. Number of faculty with ongoing projects from

a) National

b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications

S.No	Faculty Name	No. of Papers Published in International/ National Journals	No. of Papers Published in International/ National Conference Proceedings	No. of Chapters in Books/ e-Lessons	Citations	H-Index
1.	Dr. Amanjot Sachdeva	-	3	4	-	-
2.	Ms. Sonu Mehta	-	-	4	-	-

Ad-hoc						
3.	Ms. Astha Kanjlia	-	-	7	-	-
4.	Ms. Kangan Jain	-	-	9	-	-
5.	Dr. Nomita Sharma	5	1	1	-	-

- Books with ISBN/ISSN numbers with details of publisher:

1. Kumar P. and **Sachdeva, A.** (2011). Fundamentals of Management. Sultan Chand Publishers, Delhi, ISBN 81-219-4028-1.

- Books Edited: **NIL**
- Monographs: **NIL**

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

   a) National committees: **Nil**

   b) International Committees: **Nil**

   c) Editorial Boards: **Nil**

22. Student projects:

   a) Number of students who have done in-house projects including inter departmental/programme:

   All final year students undertake a research project in their area of specialization chosen in final year namely, Finance/ Marketing/ Human Resource. Such projects are evaluated by Internal and External Examiners through detailed presentations and viva-voce that is for 100 marks. The students carry out both primary and secondary survey and use both qualitative and quantitative techniques including SPSS tools for their research analysis.

   b) Number of students placed for projects in organizations outside the College i.e.in Research laboratories/Industry/ other agencies: **Nil**

23. Awards / Recognitions received by faculty and students: **Nil**

24. List of eminent academicians and scientists / visitors to the department

- Prof. Raj S. Dhankar, Dean, FMS, University of Delhi
- Prof. Suresh Aggarwal, Dean, Faculty of Applied Social Sciences and Humanities, University of Delhi
- Prof. M. L. Singla, Dean Faculty of Management Studies, University of Delhi.

- Dr. Pawan Bakhshi, Associate Director, Microsave
- Mr. Anurag Walia, V. P., Tata Communications Ltd
- Mr. Raghav Saraswat from Vatavaran (Non-Profit Organization)
- Mr. Vinod K. Bansal, C.E.O, Chairman, Ficus Securities Pvt. Ltd
- Mr. Nimesh Sharma, Corporate Communications Evangelist, Elixir Consulting India
- Mr. Pranav Chaturvedi, Co-Founder, Director, International Institute of Financial Markets
- Mr. Vivek Parti, Chief Consultant, India Business Database.com
- Mr. Gagan Girotra, Co-Founder, PRXA
- Col. Rajyavardhan Singh Rathore, Shooter and Olympian
- Shri Rajesh Lilothia, MLA, Patel Nagar Constituency
- Prof. Lallan Prasad, Ex-Dean, Department of Business Economics
- Mr. Amit Bhattacharya, Research Head, AT Kearney
- Mr. Justin Rabindra, VP and Head of Training, Ogilvy & Mather
- Ms. Shivani Saka, Solution Manager, IBM
- Mr. O.N Marwah, Ex-Director Marketing, IOC
- Dr. Harsh Mander, Head, Centre for Equity Studies
- Dr. Kiran Datar, Advisor, National Knowledge Commission
- Mr. Unmesh Shukla, DGM-HR, Isolux Corson
- Mr. Anil Singh, AVP Sales and Distribution, ICICI Prudential
- Ms. Kanika Whig, GM-HR, Experion
- Ms. Praveena, Project Coordinator, Jagori
- Mr. Atul Mittal, Director-Tax & Regulatory, Deloitte Touche Tohamtsu India Pvt. Ltd.
- Mr. Eish Taneja, Director, Professional Commercial Academy
- Ms. Usha Albaquerque, Career Counsellor
- Ms. Pervin Malhotra, Career Counsellor
- Mr. Jitin Chawla, Career Counsellor
- Mr. Praveen Narang, Motivational Coach, Trainer, Chief Inspiration Officer (Workshop)
- Prof. (Dr.) S.K. Ghosh, HR & Training Consultant & Accredited Master Trainer (Workshop)
- Mr. Manish Raina, Sr. Consultant, KPMG
- Mr. Tarun Pandey, Pearl Academy
- Mr. Kunal Tyagi & Ms. Nivya, National Stock Exchange
- Dr. Ajay Kumar Singh, Department of Commerce, University of Delhi
- Mr. Puneet Raman, Head of North India sales at Tata Communications
- Mr. Jyotrimoy Jain,Finance Head, ASSOCHAM
- Mr. Suneel Keswani – Consultant Trainer, Possiblers (Workshop)
- Mr Rohan Ubrainani, Advertising and Generation of Creative Ideas, Flame Communications, (Workshop)

- Mr. Subhash, Capitaline (Workshop)
- Mr. Srijith Menon, Manager, National Stock Exchange of India Limited
- Mr. Atul K. Gupta, Chairman, Northern Region, ICAI
- Colonel Sukumar Sudhakar, Ex-army Colonel
- Mr. Sushil Tikkoo, Marketing head, NIIMS
- Mr. Vaibhav Mittal, CFO, Zion Education
- Mr. Bhuvanesh Goyal, Manager, Advertising and PR, Zion Education
- Ms. Roli and Ms. Shilpi Prasad, Career Counsellors, Study Overseas
- Mr Prashant Gupta, Centre Head – Pitampura, IMS
- Mr. Sumit Chandok, Counsellor, MBA Guru
- Mr. Rajiv Chugh, Sr. Manager, CRISIL
- Dr. Vinod Kumar, Associate Professor, SGND Khalsa College, University of Delhi
- Ms. Radhika Dhir, VP Marketing, GE Capital
- Alumni visit by Mr. Aditya, CapitalIQ
- Alumni visit by Mr. Aayush
- Alumni visit by Mr. Vishesh, Corporate Executive Board

25. Conferences/ Workshops/ Seminars organized & the source of funding

a) National: **Nil**

b) International: **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Students Enrolled (Final Year)			Pass Percentage
		M	F	Total	
BBS	2010-11	12	8	20	100.00
	2011-12	12	17	29	96.55
	2012-13	15	20	35	97.14
	2013-14	25	12	37	83.78

No Pass out batch for BMS

27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
Bachelor of Business Studies (BBS)	2011-12	87.2	12.8	0
	2012-13	79.2	2.0	6.2
	2014-15	86.7	15.5	0
Bachelor of Management Studies (BMS)	*2013-14	96.4	8.9	0

*Admissions were done under FYUP for BMS, No admissions were done in BBS in the year 2013-14

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

    Data Unavailable

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	**Data Unavailable**
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a) Library: **The College has a common library.**

   b) Internet facilities for Staff & Students:

   Yes, entire college campus is equipped with Wi-Fi facility. Both the students and faculty have access to internet for academic use.

   c) Class rooms with ICT facility

   All classrooms alloted to the department of Business Studies are ICT

enabled. The department also has a back-up of 3 portable projectors, a portable projector tripod screen, and a portable white board to replace temporary technological breakdowns of classroom facilities, and also to provide resource for conducting seminars/workshops from time to time in seminar hall or auditorium.

d) Laboratories:

The department has a well-equipped computer lab with internet facility and specialized software like SPSS for use by students as well as faculty members.

31. Number of students receiving financial assistance from college, university, government or other agencies: **3**

32. Teaching methods adopted to improve student learning

- Use of Power point presentations
- Providing handout of study material
- Mailing of practice assignments
- Demonstration of solved numerical questions in Ms excel,
- Demonstration of Ms excel functions, formulas and solver applications,
- Case studies
- Role Plays
- Management games
- Use of Open resource material and e-lessons
- Online project submission and evaluation
- Undertaking industry based research projects
- Periodic performance evaluation and feedback

33. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

34. SWOC analysis of the department and Future plans

Strengths:

- Keshav Mahavidyalaya is one of the three colleges which are running this course starting in the year 2007. The students are selected to the course after a rigorous process of All India Entrance Exam, Group Discussion and Personal Interview. They are highly inquisitive, creative, and professionally oriented.

- Being a professional undergraduate course, it provides a terminal degree to the students at an undergraduate level so that they can take up jobs right after their graduation.

- The department has a committed and dedicated faculty with specialization in Organizational Behavior, Human Resource Management, Economics,

Marketing, IT, Finance, Accounting and Quantitative Techniques to enrich the students academically in diverse disciplines.

- The department has a dedicated computer lab that provides internet facility to the students to assist them in their assignments and research projects. Access to software like SPSS, ERP, Capitaline helps students in their research and analysis.

- The department offers specialization in the areas of Finance, Human Resource and Marketing in the final year to the students and assists them in undertaking research projects in the chosen specialization area.

- The department has a strong Corporate/ Industry interface and invites reputed people from the industry to deliver guest lectures, conduct workshops, or deliver expert talks in seminars and conventions organized by it annually.

- The department also organizes an industrial visit annually to acquaint the students about the realities of the production floor.

- The department has built a valuable alumni base overtime that not only visit and interact with the students of current batches during annual departmental alumni meets, but also come to deliver special lectures to mentor them for a smoother transition from college to corporate life. The department has come up with an alumni directory that provides the organization and contact details of the alumni from batch 2007-10 onwards.

- The department has a student society called 'Metamorphosis'. Annually a team of office bearers representative of all three years is democratically constituted. The society so formed takes active part in organizing various academic and corporate cum cultural events for students.

- The department strives for holistic development of its students and ensures that they develop soft skills, interpersonal skills, and presentation skills by assigning them group tasks and projects.

- The department encourages the students to take a meaningful 6-8 weeks summer internship with companies after their first and second year to enable them to have on the job work experience in their prospective area of specialization.

- The department organizes an event for school students annually, mainly class XI and XII to apprise them of the course and its admission criterion, besides acquainting them with college life and other courses offered at Keshav Mahavidyalaya. A career counselling session is also organized during this event that invites renowned career counsellors who inform the students about various career options available to them and how to apply or prepare for the same.

- The department plays an active role in the college placement activities and coordinates with the placement activities of Central Placement Cell, University of Delhi and has successfully placed a number of students in reputed organizations.

- The department provides a platform for creative expression to the students by releasing its newsletter, recruiters' guide and event brochures namely C.E.O

brochure and Cognizance brochure. The department also develops a website for two of its annual mega events C.E.O and Cognizance, which is designed and managed exclusively by its students.

- The annual convention cum cultural festival of the department gives an opportunity to the faculty and students to interact and learn from a host of renowned personalities in industry and academia and also develop their managerial and organizing skills.

- The entrepreneurial streak in business studies students is nurtured by providing them encouragement and autonomy to take up new ventures which can contribute to the society or allow the students to chase their big dreams and implement their ideas by starting in a small way.

Weaknesses:

- About half the faculty is working on ad-hoc basis which leads to loss of trained manpower and turnover problems.

- Since the entire department is involved in organizing events in newer and innovative ways from time to time, a lot of teaching time is lost.

- Less emphasis on students' research work besides the mandatory research in area of specialization due to lack of time as most of the students time is taken up in routine curricular activities like preparing for assignments, presentations, etc.

- Seminars have been organized with eminent speakers from the region but no National or International Seminar has been organized so far.

- There is lack of a viable incubation cell to promote entrepreneurial skills.

- It is difficult to keeping track of progression of students to higher education once they students pass out and leave.

Opportunities:

- Being a professional course, there can be a dedicated position for handling placements and internships for students.

- Students can be given exposure to global management systems through exchange programmes etc.

- Inter Institutional collaborations can be made to enhance both the curricular and practical knowledge.

- FDPs s for training faculty and students in latest concepts and techniques can be planned.

- Alumni association could be formalized for updating database and strengthening alumni association.

- Industry interface can be increased further and long term partnerships can be made for mutual benefit.

- Introduction of Paid Short Term Certificate Courses for students like NCFM of NSE, Six-Sigma and KITE of KPMG etc.

Challenges:

- The department has to cover a very expansive course for each paper in very limited time of a semester mode (3 and a half months) and needs to enhance e-capabilities for management of presentations and assignments.

- The department has a diverse set of students and it is a challenge to ensure holistic development of all its students. An effort is made to engage all the students in various extracurricular initiatives but the faculty has to ensure that diversity is enhanced and interactions between students are increased.

- The department does not have a scheme of tutorials for any paper due to which is extremely challenging for the faculty to pay attention to the learning needs of each child in a class of 45 to 59 students. The faculty devotes extra time to such students for their academic growth.

- The department faces a challenge of organizing all its annual events within the limited financial student society fund.

- The department does not have any workload for assisting the research projects of the final year students. The faculty teaching specialization papers devote considerable extra time in assisting students from choosing the topic to making analysis beyond their scheduled lectures. The department also makes extra effort in taking internship viva for which there is no designated workload.

- It is a challenge to keep the balance between academics and extracurricular activities and the department has to be highly efficient in the transition between the two. Usually a month of academic study is followed by a big event of the department.

- The department handles large amount of paperwork and record keeping with inadequate administrative staff support.

- No provision of separate department room/workstations and dedicated resources book-shelves, computer and printer

Future Plans:

- The department strives for making long term associations with companies of repute for offering the following to our students each year:
  - placements
  - internships
  - Live case studies
  - Research projects

- The department seeks to organize FDPs s for training faculty and students in contemporary concepts and techniques.

- The department is working on strengthening its alumni association for the benefit of the students through greater networking.

- The department is encouraging Industry interface through greater collaborations with industry.

- The department is also working on the possibility of introduction of Paid Short Term Certificate Courses for students like NCFM of NSE, Six-Sigma and KITE of KPMG and enhancing their skill set with collaborations with other national level bodies like CII, PHDCCI, NIESBUD, MSME etc.

Department of Commerce

1. Name of the department: **Commerce**

2. Year of Establishment: **1994**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   UG- B.Com (H)

4. Names of Interdisciplinary courses and the departments/units involved

   - **Business Communication** (VI Semester) taught by English Department.
   - **Hindi** (II Semester) taught by Hindi Department**.**
   - **Environmental Studies** (I year) taught by EVS faculty.

5. Annual/ semester/choice based credit system (programme wise):

   B.Com (H) – Semester Mode

6. Participation of the department in the courses offered by other departments

   - **Principles of Economics** of Department of Business Studies**.**
   - **Financial Accounting** (VI Semester) of Department of Mathematics**.**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons:

   Four Year Undergraduate Programme (FYUP) was introduced by the University of Delhi in the academic year 2013-2014. The same was discontinued by the University of Delhi in the academic year 2014-2015

9. Number of Teaching posts

	Sanctioned	Filled	Others
Professors	Nil	Nil	Nil
Associate Professors	Nil	5 (promoted) (Includes one on leave)	Nil
Asst. Professors	20	5	11 (Ad-hoc, Including one against leave vacancy)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience (in years)	*Students guided for PhD
Dr. Shalini Kumar	Ph.D. M.Com	Associate Professor	Finance	20	Nil
Dr. Anju Arora	Ph.D., M.Phil, M.Com	Associate Professor	Finance: Banking and Risk Management	21	Nil
Dr. Pradeep Kumar	Ph.D. M.Phil, M.Com	Associate Professor	Management, Organizational Behaviour, Human Resource	15	Nil
Dr. Padmasai Arora	Ph.D. M.Phil, M.Com	Associate Professor	Finance: Banking	17	Nil
Dr. Vipin Negi	Ph.D.	Associate Professor	International Economics	17	Nil
Dr. Shalini Devi	Ph.D. M.Com	Assistant Professor	Finance	11	Nil
Dr. Deepak Srivastava	Ph.D. MBA (Finance) M.Com	Assistant Professor	Financial Accounting, Corporate Law	8	Nil
Ms. Anita Mendiratta	M.Phil.	Assistant Professor	Finance, Organization Behaviour	8	Nil
Mr. Sandeep	M.Phil. M.Com	Assistant Professor	Financial Management, International Business	5.5	Nil
Mr. Praveen Kumar	M.Phil (Eco) M.A. (Eco)	Assistant Professor	Micro-Economics, Macro-Economics, Statistics	6.5	Nil
Ad-hoc					
Dr. Raghuveer Singh Rajpurohit	PhD, NET, PGDCMA, M.Com	Assistant Professor	Accounting and Finance	11	Nil
Ms. Anjalika Solanki	NET, MIB, M.Com	Assistant Professor	Marketing	5	Nil
Ms. Prama Vishnoi	NET, M.Com	Assistant Professor	Marketing and Finance	1.5	Nil
Ms. Namita Padhy	NET, M.Com	Assistant Professor	Finance and Law	1	Nil
Mr. Kunal Kumar	NET, MBA	Assistant Professor	Marketing and Finance	1.5	Nil

Dr. Renu Kumari Verma	PhD, MA (Eco)	Assistant Professor	Economics	6.5	Nil
Ms. Neha Nainwal	NET, M.Com	Assistant Professor	Finance	2	Nil
Mr. Mohit Prakash	NET M.Phil. M.Com	Assistant Professor	Finance	1.5	Nil
Mr. Hemant Yadav	NET, MBA	Assistant Professor	Marketing	2	Nil
Ms. Neha Jain	NET, M.A. (Eco.)	Assistant Professor	Microeconomics, Macroeconomics	0.5	Nil
Ms. Monu Chauhan	NET, M.Com	Assistant Professor	Marketing	1.5	Nil
* No. of PhD Students guided for the last 4 years (including ongoing PhD supervision)					

11. List of senior visiting faculty:

- **Prof. Muneesh Kumar,** Department of Finance, South Campus, Delhi University

- **K.V. Bhanumurthy,** Former Head and Dean, Department of Commerce, Delhi School of Economics, Delhi University

- **Prof. Shirin Rathore,** Former Dean of Colleges, Delhi University

- **Prof. R.P. Tulsian,** Shaheed Bhagat Singh College, Delhi University

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

    B.Com (H): 50%

13. Student –Teacher Ratio (programme wise): **22:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No.	Support Staff	Sanctioned Post(s)	Filled Post(s)	Contractual
1.	**Scientific Assistant**	1	Nil	1
2.	**Lab Attendant**	1	Nil	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil / PG

S.No.	Qualification	No. of Faculty Members	
		Permanent	Ad-hoc
1.	**PhD**	7	2
2.	**M.Phil.**	3	1

| 3. | **M.Com./MA/MBA** | Nil | 8 |

16. Number of faculty with ongoing projects from

a) National: **Nil**

b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants received:

   1 UGC funded project is assigned to Dr. Pardeep Kumar. The details for the same are:

   Name: Rural Marketing Challenges in 21st Century
   UGC Approval Number: 8-3(153)/2011/MRP/(NCRB)
   Approval date: December 23, 2011
   Implementation Date: March 1, 2012
   Period of Project: March 1, 2012 – April 30, 2013
   Project Tenure: Eighteen Months
   Total Grants Allocated: ₹ 1,35,000/-
   Total Grants Received: ₹ 97,500/-
   Final Expenditure: ₹ 40,688/-
   Project Completion and Submission Date: June 19, 2013

18. Research Centre /facility recognized by the University: **Nil**

19. Publications

S.No	Faculty Name	No. of Papers Published in International/ National Journals	No. of Papers Published in International/ National Conference Proceedings	No. of Chapters in Books/ e-Lessons
1.	Dr. Shalini Kumar	02	-	-
2.	Dr. Anju Arora	14	-	01
3.	Dr. Pardeep Kumar	08	-	-
4.	Dr. Padmasai Arora	07	-	-
5.	Dr. Vipin Negi	-	01	-
6.	Dr. Shalini Devi	06	-	06
7.	Dr. Deepak Srivastava	02	-	01
8.	Ms. Anita Mendiratta	02	02	07
Ad-hoc				
9.	Dr. R.S. Rajpurohit	04	-	-
10.	Ms. Anjalika Solnaki	04	04	-
11.	Ms. Neha Nainwal	05	-	01

12.	Dr. Renu Kumari Verma	04	01	01

Books with ISBN/ISSN numbers with details of publisher:

1. **Kumar Pardeep** & M.K. Nabi, "Business Law". Wisdom Publications, New Delhi. First Edition 2014-15. ISBN: 978-93- 81505-82-3

2. **Devi Shalini** "Managerial Economic". International Book House, 2014, ISBN: 978-93-83283-21-7

3. **Kumar Pardeep** & J.C. Varshney, "Financial Accounting and Auditing" Wisdom Publication. New Delhi. First Edition 2013-14. ISBN: 978-93-81505-66-3

4. **Kumar Pardeep** & Aggarwal. S.P. "Business Entrepreneurship and Management" (Foundations Course). Wisdom Publication. New Delhi. First Edition., 2013-14 ISBN: 978-93-81505-64-9

5. **Kumar Pardeep** & A.S.Chillar, "Financial Reporting in India". Rajat Publication, New Delhi. First Edition, 2004, ISBN: 81- 7880-139-6

6. **Kumar Pardeep** & Sachdeva Amanjot, "Fundamentals of Management, S.Chand & Sons publications. New Delhi. 2012. ISBN: 81-219-4028-1

7. **Kumar Pardeep** & Thakur K.S. "Organizational Behaviour: Concepts and Applications: Text and cases", Wisdom Publications, Delhi, New Delhi, First Edition. (2010)ISBN: 978-93-81505-90-0

8. **Kumar Pardeep** & Thakur K.S. "Organizational Behaviour: Concepts and Applications: Text and cases", Wisdom Publications, Delhi, New Delhi, Revised Edition. (2011)ISBN: 978-93-81505-90-0

9. **Kumar Pardeep** & Thakur. K.S. "Management: Principles and Practices" First Edition, Wisdom Publication, New Delhi) (2010). ISBN:978-93-81505-01-4

10. **Kumar Pardeep** & Thakur. K.S. "Management: Principles and Practices" Revised Edition, Wisdom Publication, New Delhi) (2011). ISBN:978-93-81505-01-4

11. **Kumar Pardeep** & Thakur. K.S., "Management: Principles and Practices" (Academic Excellence Publication and Distributors New Delhi) (2008-09). First Edition. ISBN: 978-81-89901-76-9.

12. **Kumar Pardeep** & Thakur. K.S., "Management: Principles and Practices," Academic Excellence Publication and Distributors New Delhi, 2009-10. Second Reprint Edition. ISBN: 978-81-89901-76-9.

13. **Kumar Pardeep** & Thakur K.S. "A Text Book of Organizational Behaviour", Academic Excellence Publications and Distributors, New Delhi, First Edition. (2008-09)ISBN: 978-81-89901-77-6

14. **Kumar Pardeep** & Thakur K.S. "A Text Book of Organizational Behaviour", Academic Excellence Publications and Distributors, New Delhi Reprint Second Edition. (2009-10)ISBN: 978-81-89901-77-6

15. **Kumar Pardeep** & Y.P.Singh, "Organizational Behaviour, Cyber Tech

Publications, New Delhi (2005- 06) First Edition, ISBN: 81-7884-140-X

16. Singh. Y. P., **Kumar Pardeep**. Organizational Behaviour, Cyber Tech Publications, New Delhi (2006- 07) Revised Edition., ISBN: 81-7884-138-X

17. **Kumar Pardeep** (Pradeep) Principles of Management: Cyber Tech Publication, New Delhi, (2005- 06) First Edition. ISBN: 81-7884-140-1

18. **Kumar Pardeep** (Pradeep) Management: Concepts and Practices (Cyber Tech Publication, New Delhi) (2002-03) First Edition..ISBN: 81-7884-034-0

19. **Arora Anju** "Financial Management by commercial banks". South Asia Publications, 1994, India, ISBN: 817433002X

Number of Publications listed in International Database: **Nil**

Monographs: **Nil**

Books Edited: **Nil**

Citations: **Nil**

H-Index**: Nil**

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

    a) National committees:

S.N.	Name of the faculty	Name of the society/ Association	Membership details
1.	Dr Shalini Devi	Indian Accounting Association.	Life Member
2.	Dr R.S Rajpurohit	Indian Accounting Association	Life Member
		Indian Commerce Association	Life Member
		Noida Management Association	Life Member
3.	Dr Renu Kumari Verma	Madya Pradesh Economic Association	Member

    b) International Committees: **Nil**

    c) Editorial Boards:

- **Dr. Pradeep Kumar** on the editorial board of Global Education Society and Development (A quarterly International Journal of Academicians)

- **Dr RS Rajpurohit** was editor of the Management Section of IMS Manthan, ISSN 0974-7141 (Print), ISSN 0976-1713 (Online). December-2011 issue and July-2012 Issue released by him.

- **Dr Renu Kumari Verma is** Member of editorial board of International Journal of Education and Applied Sciences Research (IJEASR) and also on theReview Board & Reviewing Papers of Global Business and Management Research: An International Journal.

22. Student projects:

    a) Number of students who have done in-house projects including inter departmental/programme:

Students of B.Com (H) VI semester have compulsory project work as a part of their curriculum.

    b) Number of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **Nil**

23. Awards / Recognitions received by faculty and students: **Nil**

24. List of eminent academicians and scientists / visitors to the department

- **Prof. Muneesh Kumar,** Department of Finance, South Campus, Delhi University
- **K.V. Bhanumurthy,** Former Head and Dean, Department of Commerce, Delhi School of Economics, Delhi University
- **Prof. Shirin Rathore,** Former Dean of Colleges, Delhi University
- **Prof. R.P. Tulsian,** Shaheed Bhagat Singh College, Delhi University

25. Seminars/ Conferences/Workshops organized & the source of funding

    a) National: **Nil**
    b) International: **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Students Enrolled (Final Year)			Pass Percentage
		M	**F**	**Total**	
B.Com.(H)	2010-11	48	65	113	99.12
	2011-12	32	59	91	100.00
	2012-13	47	67	114	97.37
	2013-14	57	43	100	82.00

27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
B.Com.(H)	2011-12	98.4	1.6	0
	2012-13	97.0	3.0	0
	*2013-14	94.2	5.8	1
	2014-15	95.8	5.2	0.5

*Admissions were done under FYUP later merged into B.Com. (H)

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

   Data Unavailable

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	**Data Unavailable**
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a) Library: **There is no separate Library of the Department. Students have access to the common College Library.**

   b) Internet facilities for Staff & Students:

   Entire college campus is equipped with Wi-Fi facility. Besides, Department of Commerce has well equipped computer lab with internet facility for students as well as faculty members. The faculty members have also been provided with Laptops.

   c) Class rooms with ICT facility

   All the classrooms allocated to Commerce Department are ICT enabled.

d) Laboratories:

Well-equipped computer lab with internet facility

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	No. of Students receiving financial assistance from the College
2011-12	11
2012-13	57
2013-14	31
2014-15	11

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- **'Sub Prime Crisis in U.S.A' by Prof. K.V. Bhanumurthy on November 9, 2012**

- **'Career Development' by Prof. Shirin Rathore on March 22, 2013**

33. Teaching methods adopted to improve student learning

- **Chalk-Talk Method**
- **Case Study Method**
- **Class Room Interaction**
- **Group Discussion Method**
- **Projects and Assignments**
- **Power Point Presentations**
- **Audio-Visual aids (films and videos on subject related topics)**
- **Co-operative Learning**
- **Discussion of previous year's question papers**
- **Project and Paper presentations by students**
- **Use of weekly course delivery plan**
- **Discussing Practical examples from the Business World**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

One of the projects called "SHUBHARAMBH" revolved around "diya making" and "candle making" by the ladies of JJ Colony, Ashok Vihar. Team members provided raw materials and other accessories to the concerned persons.

35. SWOC analysis of the department and Future plans

Strengths:

- Highly qualified, dedicated, diversified, faculty with specialization in different areas

- Inclination of faculty towards research and quality improvement

- Majority of the permanent staff has Ph.D.

- Commerce Magazine "Genesis" is released annually to inculcate the habit of writing in students and faculty

- Department attracts the cream of students who are academically brilliant

- Dedicated faculty members and eager students work as an ideal combination for information generation

- Student centered and activity based teaching and learning

Weaknesses:

- Department needs to focus on organizing National/ International level Seminar/ Conference/ Symposium etc.

- More interaction with the industry is required

- Majority of the faculty members are on Ad-hoc basis

- The faculty members do need individual rooms for research work and preparing lectures.

Opportunities:

- To produce graduates who have entrepreneurial abilities to generate employment and business for the society

- To make the students employable and to make them well equipped to enter job market

- To create more Industry Institute linkages

Challenges:

- To understand a paradigm shift at global level on academic front and to make proper adjustment

- To guide the students in this transition period of social change and make them self-learners

- Increasing the placements of the students

- To motivate students to develop a deeper level of critical and analytical thinking and to cultivate in them an endeavoring passion to pursue higher education

- Developing soft skills among students

- To constantly upgrade the syllabi for a dynamic subject like Commerce

Future Plans:

- To organize National and International Conferences/ Seminars/ Workshops/ Symposium.

- To start value-added courses e.g. skill development, personality development etc.

- To have more interaction with the industry

- To start a Departmental Journal.

Department of Computer Science

1. Name of the department: **Computer Science**

2. Year of Establishment: **1994**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

    UG - B.Sc (H) Computer Science (3years)
    UG - B.Tech (Computer Science) (4 years)[Only for 2013-2017 Batch]

4. Names of Interdisciplinary courses and the departments/units involved

    B.Sc (H) Computer Science:

    - **Microprocessors** (V sem) taught by Electronics Department
    - **Digital Electronics** (I sem) taught by Electronics Department
    - **Calculus and Matrices** (I sem) taught by Mathematics Department
    - **Calculus and Geometry** (II sem) taught by Mathematics Department
    - **Basic Statistics and Probability** (III sem) taught by Mathematics Department
    - **Differential Equations** (IV sem) taught by Mathematics Department
    - **Real Analysis** (V sem) taught by Mathematics Department
    - **Operational Research** (V sem) taught by Mathematics Department
    - **Statistical Methodology** (VI sem) taught by Mathematics Department
    - **Technical Writing and Communication in English** (II sem) taught by English Department
    - **Environmental Studies** (I year) taught by EVS faculty

    B.Tech (Computer Science):

    - **Introduction to Operational Research & Linear Programming** (Operational Research) (III sem) taught by Mathematics Department
    - **Numerical Methods** (Mathematics) (IV sem) taught by Mathematics Department

5. Annual/ semester/choice based credit system (programme wise):

    B.Sc (H) Computer Science(3 years): Semester mode
    B.Tech Computer Science(4 years): Semester mode

6. Participation of the department in the courses offered by other departments

    Computational Skills (II sem) of Electronics Department
    Programming Fundamentals (III sem) of Electronics Department
    Data Structures (IV sem) of Electronics Department

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons:

   PGDCA: Discontinued by the University from 2011-12 onwards

   B.Tech Computer Science under FYUP was discontinued from 2014-15.

9. Number of Teaching posts

	Sanctioned	Filled	Ad-hoc
Professors	**Nil**	**Nil**	**Nil**
Associate Professors	**Nil**	**4 (Promoted)**	**Nil**
Asst. Professors	**19**	**5**	**10**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience (in years)	*Students guided for PhD
Dr. Priti Sehgal	PhD, NET Computer Science, M.Sc Computer Science	Associate Professor	Computer graphics, Image Processing, Biometrics, Computer Vision and Image Retrieval	20	3
Dr. Anjali Thukral	PhD, NET Computer Science, MCA	Assitant Professor	Information Retrieval, Semantic Web Technologies, Multi Agent Systems and eLearning	16	-
Dr. Roli Bansal	PhD, SLET Computer Science, MCA	Associate Professor	Image Processing, Biometrics, Data Hiding in images, Watermarking	17	-
Dr Richa Sharma	PhD, M.Sc Computer Science	Associate Professor	e-Learning, Adaptive Content Sequencing, Social Opinion Modeling, Knowledge Management, Collaborative Learning, Human-Computer Interaction, Intelligent Information Systems and Multi-agent Systems	17	-
Dr. Bhavna Gupta	PhD, MCA	Associate Professor	Artificial Intelligence, recommender system, trust multi agent system, grid computing, cloud computing	16	-
Ms. Vinita Jindal	PhD (pursuing), M.Phil, NET Computer	Assistant Professor (On Study Leave)	Artificial Intelligence	13	-

	Science, MCA				
Mr. Ravi Kumar Yadav	PhD (pursuing), NET Computer Science, MCA	Assistant Professor	Theory of Computer Science, Information Security	8	-
Ms Richa Gupta	NET Computer Science , M.Sc Computer Science	Assistant Professor	Database management, Computer system architecture, Operating Systems	6	-
Ms Maulein Pathak	NET Computer Science, M.Sc Computer Science	Assistant Professor	Algorithms and Data Structures	6	-
Ad-hoc					
Ms. Astha Goyal	NET Computer Science, MCA	Assistant Professor	Discrete Mathematics, Operating systems, Data Structures, Digital Electronics, Software Engineering	3	-
Ms. Rochana Chaturve di	NET Computer Science, MCA	Assistant Professor	Computer System Architecture and Digital Electronics, Data Structures and Algorithms, Linear Algebra and Discrete Mathematics	2	-
Ms. Nidhi Passi	NET Computer Science, M.Sc Informatics	Assistant Professor	Informatics	2	-
Mr. Sumit Baberwal	NET Computer Science, M.Sc Informatics	Assistant Professor	Informatics	2	-
Ms. Shiva Saini	NET Computer Science, M.Tech Computer Science, MCA	Assistant Professor	Data Structure, Software Engineering	3	-
Dr. Sumit Kumar Aggarwal	PhD, NET Computer Science, M.Tech(IT), M.Sc(IS)	Assistant Professor	Computer Networks, Software Engineering, Artificial Intelligence	5	-
Dr. Namita Aggarwal	Phd, NET Computer Science , M.Phil, MCA	Assistant Professor	Image Processing, Pattern Recognition	7	-
Mr. Manvendr a Yadav	NET Computer Science, MCA	Assistant Professor	Database Management System	1	-
Ms. Vijaya	NET Computer Science, M.Sc	Assistant Professor	Algorithms, Data Structures, DBMS	2	-

Goel	Computer Science				
Mr. Sudhir Kumar Gupta	NET Computer Science, MCA	Assistant Professor	Computer Graphics, Network Security	2	-

* No. of PhD Students guided for the last 4 years (including ongoing PhD supervision)

11. List of senior visiting faculty:

- **Dr. S.K. Muttoo**, HOD, Department of Computer Science, University of Delhi.

- **Dr. Shivendra Kumar Pandey,** Assistant Professor, Marketing, FORE school of Management.

- **Dr. R. K. Aggarwal,** Associate Professor, JNU**.**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

    B.Sc (H) Computer Science: 37.34%

    B.Tech. Computer Science : 79.12%

13. Student -Teacher Ratio (programme wise):

    B.Sc (H) Computer Science : 14:1

    B.Tech. Computer Science :   14:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No.	Support Staff	Sanctioned Post(s)	Filled Post(s)	Contractual
1.	Scientific Assistant	3	2	1
2.	Lab Attendant	2	2	Nil
3.	Farash	1	1	Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

S.No.	Qualification	No. of Faculty Members	
		Permanent	Ad-hoc
1.	PhD	5	2
2.	M.Phil./M.Tech	1	1
3.	M.Sc./MCA	3	7

16. Number of faculty with ongoing projects from

a) National

b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

- Dr. A K Arora, **Dr. Priti Sehgal** and Dr. Divya Haridas were awarded Innovation project by University of Delhi in the year 2012-2013. The details are given below:

    Name of Project: Innovation Project titled "Design and development of a low cost computerized laser Raman spectrometer indigenously for DU student laboratories"

    Position in Project: Project Investigator along with Dr. Ajay Arora and Dr. Priti Sehgal.

    Period: One Year

    Funding Agency: Awarded/Funded by University of Delhi

    Grant: ₹ 10,00,000/- (₹ Ten Lakh)

    Project Completion Date: 15th July 2013

- Inniovation Project entitled "To develop an early warning system for quality deterioration of ground water and its purification" **by Mr. Ravi Kumar Yadav** along with Dr. Mukesh Gupta, Dr. Madhu Pruthi and Dr. Dhanpal Singh

    Duration of the Project: 2013-15

    Project completed on: 31st March 2015

    Funding Agency: University of Delhi

    Total grand received for the project: ₹ 6, 00,000/-

18. Research Centre /facility recognized by the University: **Nil**

19. Publications

S.No	Faculty Name	No. of Papers Published in International/ National Journals	No. of Papers Published in International/ National Conference Proceedings	No. Publications listed in International Database	No. of Chapters in Books/ e-Lessons	Citations	H-Index
1.	Dr. Priti Sehgal	8	18	23	2	124	-
2.	Dr. Anjali Thukral	4	6	10	-	44	5

3.	Dr. Roli Bansal	5	8	13	1	104	-
4.	Dr Richa Sharma	4	6	10	-	26	4
5.	Dr. Bhavna Gupta	5	7	12	1	20	3
6.	Ms. Vinita Jindal	-	4	4	-	6	-
7.	Ms Richa Gupta	1	1	-	-	-	-
8.	Ms Maulein Pathak	-	1	-	-	-	-
Ad-hoc							
9.	Ms. Astha Goyal	4	-	2	1	-	-
10.	Ms. Rochana Chaturvedi	4	-	2	1	-	-
11.	Ms. Nidhi Passi	1	-	-	1	-	-
12.	Mr. Sumit Baberwal	1	-	-	-	-	-
13.	Ms. Shiva Saini	3	1	1	-	5	-
14.	Dr. Sumit Kumar Aggarwal	3	9	12	1	43	5
15.	Dr. Namita Aggarwal	3	3	8	1	14	1
16.	Mr. Sudhir Kumar Gupta	2	-	-	-	-	

- Books with ISBN/ISSN numbers with details of publisher: **NIL**

- Books Edited: **NIL**

- Monographs: **NIL**

- **Details of Journal, Impact factor , SNIP , SJR :**

Name of the journal in which faculty has published papers	ISSN	Impact Factor
Elsevier,Computers & Electrical Engineering	0045-7906	0.99
International Journal of Advanced Research in Computer Science and Software Engineering	2277-6451	2.5
International Journal of Computational Intelligent Studies	1755-4977	--

International Journal of Computer Science Issues	1694-0814	0.242
International Journal of Information Security and privacy	1930-1650	--
Information Security Journal, A Global Perspective	1939-3555	--
International Journal of Biometrics and Bioinformatics	1985-2347	--
The Journal of the Computer Society of India	2277-7091	--
Journal of Computer Science and Technology	1000-9000	0.642
Int. Journal of Information Retrieval Research	2155-6377	--
International Journal of e-Education, e-Business, e-Management and e-Learning	2010-3654	--
Journal of Experimental & Theoretical Artificial Intelligence	1362-3079	0.527
Journal of Information Modeling and Optimization	2010-3697	--
Journal of Indian Society of Agricultural Statistics	0019-6363	--
Journal of Intelligent Systems	2191-026X	--
Journal of Information Assurance and Security	1554-1010	--
International Journal of Artificial Intelligence and Soft Computing	1755-4950	--
International Journal of Advanced Intelligence Paradigms	1755-0386	--
International Journal of Trust Management in Computing and Communications	2048-8378	--
International Journal of Knowledge Management	1548-0666	--
International Journal on E-Learning	1537-2456	--
The journal of Computing	2151-9617	--
Indian Journal of Scholarly Research	2278-8271	--
International Journal of Research in Engineering and Technology	2319-1163	2.375
Indian Journal of Research	2250- 1991	3.416
International Research journal of Management Science and Technology	2250-1959	0.83
International Journal of Computer Science, Engineering and Information Technology	2231-3117	--
Journal of Global Research in Computer Science	2229-371X	0.92
International Journal of Research in Computer Applications and Robotics	2320-7345	1.831
International Journal of Computer Information Systems and	2150-7988	--

Industrial Management Applications		
Special Issue on Machine Learning & Pattern Recognition of Defence Science Journal	0011-748X	0.31
International journal of computer vision and image processing	2155-6997	--
Journal of Signal and Information Processing	2159-4465	0.79
International Journal of Computer Applications	2250-1797	2.52

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

   a) National committees: **Nil**

   b) International Committees: **Nil**

   c) Editorial Boards: **Nil**

22. Student projects:

   a) Number of students who have done in-house projects including inter departmental/programme: **6**

   b) Number of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **8**

23. Awards / Recognitions received by faculty and students

S.No.	Name of the Students	Activity	Description of the Activity	Level	Year	Position
B.Tech. Computer Science 2nd year						
1.	Abhinav Kumar	Information security expert	Certified Information security expert from INNOBUZZ KNOWLEDGE SOLUTIONS	-	2015	Certified Information security expert
2.	Tarun Mudgal	Internship project	Project on "Creating Module to Enhance Connectivity to Vice-Chancellor" during Delhi University Vice Chancellor's Interns	Inter departmental	2014	Intern
3.	Shubham Gupta	-	India Oil Scholarship Rs	-	2013-17	-

280

			3,000/- per month			
4.	Amit Kumar	-	India Oil Scholarship Rs 3,000/- per month	-	2013-17	-
5.	Vaishali Gera and Ayush Jain	Internship project	Project on "Delhi University web designing" Intern under VC's internship programme	-	2014	-

24. List of eminent academicians and scientists / visitors to the department

- Creating Android Apps by **Mr. Rohit Gambhir** (**Senior Software Engineer, QA Infotech**) - 06th March, 2014

- Information Security by **Dr. S.K. Muttoo, HOD, Department of computer science** – 10th March 2015

- One day workshop on **VFX, Animation, Digital Arts and Film Making** conducted by **DQ School of Visual Arts**-16th October, 2012

- Wireless Networks by **Mr. Aashish Chugh (Sr. Technical Lead, CISCO Systems)**-20th October, 2011

- Evolution of Wireless -Connected World by **Mr. Alok Wadera (AVP, Aricent)**-3rd Feb, 2012

- Design Patterns by **Mr. Sandeep Jain (Software Engineer, Adobe Systems)** -17th March, 2011

- Research Methodologies by **Dr. Shivendra Kumar Pandey, Assistant Professor in Marketing at FORE School of Management** gave a talk on during a seminar conducted by Blitz Computer Society - 26th October 2010.

- The state of art in steganography by **Dr. R.K Aggarwal, Associate Professor, JNU** - 25th February 2010

25. Seminars/ Conferences/Workshops organized & the source of funding

   a) National: **Nil**

   b) International: **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Students Enrolled (Final Year)			Pass Percentage
		M	**F**	**Total**	
B.Sc.(H)	2010-11	28	42	70	85.71

Computer Science	2011-12	29	54	83	96.39
	2012-13	30	42	72	95.83
	2013-14	44	24	68	94.12

No Pass out batch for B.Tech. Computer Science

27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.(H) Computer Science	2011-12	88.9	11.1	1.1
	2012-13	77.5	17	21.2
	2014-15	85.2	13.5	2.4
B.Tech. Computer Science	*2013-14	26.2	36	1

*Admissions were done under FYUP for B.Tech. Computer Science only

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

   Data Unavailable

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	**Data Unavailable**
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a) Library: **The College has a common library for all the courses**

   b) Internet facilities for Staff & Students:

   All the computer labs are equipped with internet facility. The college is Wi-Fi enabled and the students can access information for academic purposes.

c) Class rooms with ICT facility

All the classrooms allocated to Computer Science Department are ICT enabled.

d) Laboratories:

S.No.	ICT Equipment	Description	Quantity
1.	**LCD Projector**	Hitachi CP-RX70	01
2.	Laptop	HP Compaq NX6320 Intel Core Duo T5600, 1.83 G Hz Processor	01
3.	Desktop Computer (Total 87 Computers)	Compaq P-IV - EVO D320 m /256 MB RAM OS Windows XP	25
		IBM P IV -3.2 GHz with HT 2x256 MB DDR SDRAM, 80 GB SATA HDD, OS Windows XP	12
		Acer Pentium D915, 2x 256 MB DDR II, 160 GB SATA II HDD, OS Windows XP Professional	20
		HP Desktop C2 Intel Core 2 Duo E6420, 2 Gb RAM, 160 GB SATA II, OS Windows XP	15
		Wipro Super Genius-WSG38215V, Intel Quad Core Q9550, 2 GB DDR II, 800 MHz, 250 GB SATA II HDD	15

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	No. of Students receiving financial assistance from college
2011-12	**6**
2012-13	**6**
2013-14	**19**
2014-15	**8**

Apart from this Two students of B.Tech Computer Science are receiving Indian Oil Scholarship-2013 for a period of four years @ Rs 3000/- per month payable on six monthly bases.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Academic Years	Academic Seminars	Workshops
2010-11	**Design Patterns** by Mr. Sandeep Jain (Software Engineer, Adobe Systems) -17th March, 2011	-

2011-12	**Wireless Networks** by Mr. Aashish Chugh (Sr. Technical Lead, CISCO Systems)-20th October, 2011	-
2012-13	**Evolution of Wireless -Connected World** by Mr. Alok Wadera (AVP, Aricent)-3rd Feb, 2012	One day workshop on **VFX, Animation, Digital Arts and Film Making** conducted by **DQ School of Visual Arts**-16th October, 2012
2013-14	**Creating Android Apps** by Mr. Rohit Gambhir (Senior Software Engineer, QA Infotech) - 06th March, 2014	-

Conferences: Nil

In addition Blitz the computer science society under the guidance of faculty organizes an annual inter college technical festival Blitzkrieg that provides an excellent platform for students to showcase their knowledge by participating in various programming, debugging, web designing, technical quiz, designing events.

33. Teaching methods adopted to improve student learning

Four pronged teaching methodology is emphasized:
1. **Explain:** The content is explained by the teacher.
2. **Demonstrate:** The ideas are demonstrated by citing examples from real world or by use of simulators and overhead projectors.
3. **Collaborate:** The students are given small projects that they are supposed to work on in small groups, whereby they brainstorm, discuss and learn from each other.
4. **Learn by Teaching:** The students are required to give presentations to an audience so they can benefit by not only gaining knowledge in particular topic but also by gaining self-confidence and enhancing their communication skills.

The teaching learning process is made creative by use of software simulators, animations and creative content is displayed using overhead projectors.
Some examples include but are not limited to following:

- In courses on Computer System Architecture for B.Sc.(Physical sciences) and B.Sc.(Mathematical Sciences) the students visited the electronics laboratory and got the chance to view the lab equipment first hand (the breadboard, IC chips, resistors, capacitors, LEDetc.) and setup digital circuits.

- WinLogiLab has been used as an electronics laboratory simulator in another instance.

- In the mathematical subjects for Computer Science students such as Linear Algebra and Discrete Structures, instead of sticking with only mathematics, the emphasis has been placed on linking the mathematical base with applications in computer science.

Various other techniques are used to keep students simulated and interested such as: citing examples from the popular culture, handing out logical and algorithmic

puzzles, classroom atmosphere is kept light with clear disciplinary boundaries

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

Strengths:

- One of the biggest and one of the most prominent departments across the University.

- Most of the students prefer to joint Computer Science in Keshav Mahavidyalaya as is evident from our high cut-offs.

- Teaching staff that is committed and enthusiastic and ready to accept challenges across all domains.

- We have almost all the Computer Science and related courses run by the university.

- Go Green Initiative:

  * Accepting practical record on single CD for all class to reduce paper waste and e-waste.

  * Students have the option to submit their assignments via email.

  * To discourage photocopy, additional resources are shared online.

- Balanced course structure with equal stress on both theory and application.

- Active participation of students in extra-curricular activities such as dramatics, fine arts, literary, sports, music, dance and fests such as Antardhvani.

- Blitz fest, provides opportunities to students to polish their organizational, entrepreneurial and communication skills.

- Our students are consistently selected in various University sponsored projects, most recent being:

  * Gyanodaya Express, 2014

  * VC's Winter Internships, 2014

- Placements in top companies.

- We have migrated most of our softwares and systems to Free and Open Source Systems.

Weaknesses:

- Non availability of separate faculty rooms and infrastructure for research work and preparation of lectures due to lack of available space.

- Lab space crunch due to infrastructure constraints.

- Procurement procedure for new computer systems, ICT equipment and

upgradation of existing ones is lengthy with all the bureaucratic delays.

- The department has not been able to organize any Conferences due to resource crunch.

Opportunities:

- Departmental library and book bank system can be started.
- Regular E-waste collection drives in sight for near future
- To start IEEE student society in college.
- Some live projects of students are being formalized such as KMV Mobile App,
- Online shared Repository (for accepting assignments and sharing additional resources online)

Challenges:

- Industry Student Collaboration needs further improvement.
- To overcome administrative delays in condemnation of e-waste.
- Maintenance of labs
- To maintain the relevance and worthiness of B.Sc. (H) degree in Computer Science as the students wrongly compare this degree with B.Tech degree of other institutions.

Future Plans:

- Regular E-waste Collection drives
- To organize conferences/ workshops/ seminars
- To fully migrate to FOSS (Free and Open source Systems)
- To publish an annual departmental newsletter.
- To start IEEE student society in college.

Department of Electronics

1. Name of the department: **Electronics**

2. Year of Establishment: **1994**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   UG - B.Sc (H) Electronics (3 years)
   UG - B.Tech (Electronics) (4 years)[Only for 2013-2017 Batch]

4. Names of Interdisciplinary courses and the departments/units involved

   B.Sc (H) Electronics:

   - **Technical Writing and Communication in English** (I Semester) taught by English Department

   - **Mathematics I** (II Semester) taught by Mathematics Department

   - **Computational Skills** (II Semester) taught by Computer Science Department

   - **Mathematics II** (III Semester) taught by Mathematics Department

   - **Fundamental of Programming Languages** (IV Semester) taught by Computer Science Department

   - **Data Structures** (IV Semester) taught by Computer Science Department

   - **Environmental Studies** (I year)

   B.Tech (Electronics)

   - **Chemical Bonding** (III Semester) taught by Chemistry Department

   - **Electricity and Magnetism** (IV Semester) taught by Physics Department

5. Annual/ semester/choice based credit system (programme wise):

   B.Sc (H) Electronics (3 years): Semester mode
   B.Tech Electronics (4 years): Semester mode

6. Participation of the department in the courses offered by other departments

   Microprocessors (V Semester) of B.Sc (H) Computer Science
   Digital Electronics (I Semester) of B.Sc (H) Computer Science

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9.   Number of Teaching posts

	Sanctioned	Filled	Ad-hoc
Professors	Nil	Nil	Nil
Associate Professors	Nil	3 (Promoted)	Nil
Asst. Professors	11	1	6

10. Faculty profile with name, qualification, designation, specialization,
     (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience (in years)	*Students guided for PhD
Dr. V.K Sharma	PhD, M.Sc Physics	Associate Professor	Integrated Optics	21	3
Dr. Neha Sharma	Ph.D, M.Sc.Elect. M.Sc. Nanoscience, Nanotechnology	Associate Professor	Integrated Optics	18	-
Dr. J K Anand	PhD, M.Tech Optoelectronics and Optical Communication Electronics, M.Sc Electronics	Associate Professor	Optoelectronics	17	1
Dr. Jyoti Anand	PhD, NET, M.Sc. Electronics	Assistant Professor	Optoelectronics	14	-
Ad-hoc					
Mr. Himanshu Kushwah	NET(JRF), M.Sc Electronics	Assistant Professor	Electronics	4	-
Mr. Anil Sethi	M.Phil, NET, M.Sc Electronics	Assistant Professor	Electronics	6	-
Dr. Neetu Singh	Ph.D, NET M.Sc.Electronics	Assistant Professor	Solar Cells	3	-
Dr. Jyoti Bansal	PhD, NET M.Sc.Electronics	Assistant Professor	Bio Sensors	2	-
Mr. Prashant	NET, M.Sc Electronics	Assistant Professor	Electronics	1	-
Dr. Monika	PhD, NET, M.Sc.Electronics	Assistant Professor	Electronics	1	-

* No. of PhD Students guided for the last 4 years (including ongoing PhD supervision)

11. List of senior visiting faculty:

- **Prof. Ajoy Ghatak,** Retired, IIT Delhi.
- **Dr. Meena Mishra,** Scientist 'F', SSPL, DRDO, Delhi.
- **Prof. R.M. Mehra,** Emeritus Professor, Sharda University.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

B.Sc (H) Electronics: 74.51%
B.Tech. Electronics: 75%

13. Student -Teacher Ratio (programme wise):

B.Sc (H) Electronics: 10:1
B.Tech. Electronics: 11:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No.	Support Staff	Sanctioned Post(s)	Filled Post(s)	Contractual
1.	Lab Assistant	2	2	Nil
2.	Lab Attendant	2	Nil	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

S.No.	Qualification	No. of Faculty Members	
		Permanent	**Ad-hoc**
1.	PhD	**4**	3
2.	M.Phil.	-	1
3.	M.Sc.	-	2

16. Number of faculty with ongoing projects from

a) National: **Nil**

b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications

S.No	Faculty Name	No. of Papers Published in International/ National Journals	No. of Papers Published in International/ National Conference Proceedings	No. Publications listed in International Database	No. of Chapters in Books/ e-Lessons	Citations	H-Index
1.	Dr. V.K Sharma	27	1	20	-	97	6
2.	Dr. Neha Sharma	04	--	4	-	3	1
3.	Dr. Jagneet K Anand	08	12	14	-	62	4
4.	Dr. Jyoti Anand	03	14	8	-	9	1
Ad-hoc							
5.	Dr. Neetu Singh	10	01	9	-	67	5
6.	Dr. Monika Bhattacharya	07	07	10	-	22	3
7.	Dr. Jyoti Bansal	03	05	3	-	8	1
8.	Mr. Anil Sethi	02	--	-	-	-	-
9.	Mr. Himanshu Kushwah	02	--	-	-	-	-

- **Books with ISBN/ISSN numbers with details of publisher**:
  1. "**Matrix Method & Vector Spaces in Physics" Vinod K Sharma**. PHI Learning Private   Limited 2009,ISBN-978-81-203-3866-1.
  2. **"Optoelectronics: An Introduction"** K.N. Tripathi, P.C Mathur, A. Kapoor, **V.K Sharma**, Insat. Pub. 1998. ISBN 81-87260-00-9

- Books Edited: **NIL**

- Monographs: **NIL**

- **Details of Journal, Impact factor , SNIP , SJR :**

Name of Journal in which faculty has published paper	Impact Factor (2013)	SNIP (2013)	SJR (2013)
Elsevier, Optics &Laser Technology	1.649	1.675	0.711
Elsevier, Optics and Lasers in Engineering	1.695	1.929	0.941
Optik-International Journal for Light and Electron Optics	0.769	0.925	0.314
Optical Fiber Technology (UK)	1.188	1.255	0.823
Optics and Laser Technology (UK)	1.649	1.675	0.711
Journal of Optical Society of America B (USA)	1.806	---	---
Microwave and RF Journal	0.05	---	---
J. Material Science Lett	2.305	--	--
Jr. of Optics(Paris)	2.010	--	--
Applied Optics	1.649	--	--
Ind. Jr. of Eng. and Mat. Sc	0.641	--	--
Ind. Jr. of Chemistry	0.628	--	--
Jr. of Nonlinear Optical Physics and Materials	0.48	--	0.319
Jr. of Optics A : Pure and Applied Optics	1.92	--	--
Optics and lasers in eng	1.695	1.929	0.941
Optics Communications	1.542	1.207	.850
Sensors and Actuators B	1.943	1.841	0.854
Journal of Colloid and Interface Science	3.552	1.445	1.252
Journal of Applied Physics	2.185	--	--
Material Research Bulletin	1.968	1.032	0.772
Thin Solid Films	1.867	1.273	0.884
Journal of Renewable Sustainable Energy	1.51		
Nuclear Instruments and Methods in Physics Research Section B	1.186	1.252	0.752
Solid State Electronics	1.514	1.259	0.819
IEEE Transactions on Electron Devices	2.358	--	--
IEEE Transactions on Device and Material Reliability	1.543	--	--
Journal of Semiconductor Technology and Science	0.62	--	0.22
IEEE Transactions on Nanotechnology	1.619	--	--
International Journal of Engineering Research and Development (IJERD)	1.09	--	--
Nano- Electron. Phys.	0.256	0.442	0.194

Jr. of Bioscience and Bioengineering	1.869	0.944	0.744
Jr. of Sensor Letters	0.558	--	--
International Research Journal of Management, Science and Technology	0.83	--	--

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

    a)   National committees

    b)   International Committees

    c)   Editorial Boards

S.No.	Faculty	Name of the Society	Membership ID
1.	Dr. Neetu Singh	Semiconductor Society (India)	201012627
2.	Dr. Monika Bhattacharya	IEEE Electron Device Society (IEEE EDS)	90852218

22. Student projects: **Nil**

    a)   Percentage of students who have done in-house projects including inter departmental/programme

    b)   Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

23. Awards / Recognitions received by faculty and students

S.No.	Name of the Student	Activity	Description of the Activity	Level	Year	Position
B.Tech Electronics (IV Sem)						
1.	Avik	ROBOTICS Deshbandhu Chhotu Ram University of Science and Technology, Sonipat (Haryana)	Beat the Time	Inter-College	2015	Second
B.Sc.(H) Electronics (VI Sem)						
2.	Palak Vasudeva	ROBOTRYST-2014, Delhi Technological University	Robotryst-2014	National-zonal	2014	Zonal Coordinator
3.	Palak Vasudeva	QUAD COPTER UAV, Delhi Technological University	QUAD COPTER UAV	Inter-college	2014	Second

24. List of eminent academicians and scientists / visitors to the department

Academic Year	Eminent Academicians and Scientists / Visitors
2011-12	Lecture on Topic "Latest Electronic Technologies" by **Mr. Sanjay Jain** (Free Scale Technologies Pvt. Ltd.). Lecture on Topic "LEDs" by **Dr. Rajeev Jindal** (Moser Bear Ltd.)
2012-13	Lecture on Topic "Einstein Miraculous Years" by **Prof. Ajoy Ghatak** (Retired Professor , IIT Delhi)
2013-14	Lecture on Topic "Radical Changes in Modern Day Science" by **Dr. Meena Mishra** (Scientist 'F' SSPL, DRDO, Delhi)
2014-15	Lecture on Topic " GRAPHENE AND SOLAR CELLS " by Emeritus **Prof. R.M. Mehra** (School of Engineering and technology, Sharda University , Greater Noida, UP)

25. Seminars/ Conferences/Workshops organized & the source of funding

   a) National: **Nil**

   b) International: **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Students Enrolled (Final Year)			Pass Percentage
		M	F	Total	
B.Sc.(H) Electronics	2010-11	20	13	33	100
	2011-12	20	13	33	87.88
	2012-13	17	13	30	56.67
	2013-14	20	15	35	74.29

No Pass out batch for B.Tech. Electronics

27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.(H) Electronics	2011-12	81.5	15.8	2.6
	2012-13	55.9	38.2	0
	2014-15	53.8	42.3	3.9
B.Tech. Electronics	*2013-14	62.5	41.1	0

*Admissions were done under FYUP for B.Tech. Electronics only

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Data Unavailable

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	**Data Unavailable**
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a) Library: **Common Library for all courses, no separate Library for department.**

   b) Internet facilities for Staff & Students:

   Entire college campus is equipped with Wi-Fi facility. Besides, Department of Electronics has well equipped computer lab with internet facility for students as well as faculty members.

   c) Class rooms with ICT facility

   All the classrooms allocated to Electronics Department are ICT enabled.

   d) Laboratories:

   - **Well Equipped Computer laboratory with internet facility.**

   - **Well Equipped Hardware laboratory for Electronics Practicals.**

   - **Well maintained Dark laboratory for Optoelectronics Practicals and for Optical fibre Practicals.**

   - **Apart from these Hardware laboratories, the Electronics department also has Software lab which is enriched with a number of computers with internet facility. The same hardware experiments can be simulated using various simulation software such as multisim, P-spice, Sci-lab etc.**

The students gain necessary practical experience on following topics:

- **Semiconductor Devices**
- **Analog electronics**
- **Network Analysis**
- **Digital Hardware**
- **Fundamentals of Programming Languages**
- **Microprocessor**
- **Optics and optical Electronics**
- **Applied Quantum Mechanics**
- **Engineering Materials**
- **Computational Skills**
- **Numerical Techniques**
- **Analog and digital communication**
- **Electronic instrumentation**
- **Electrical Machines**

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	No. of Students receiving financial assistance from college
2011-12	03
2012-13	18
2013-14	13
2014-15	06

Apart from this One student of B.Tech Electronics is receiving Indian Oil Scholarship-2013 for a period of four years @ Rs 3000/- per month payable on six monthly bases.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **Kindly refer point 24**

33. Teaching methods adopted to improve student learning

Enhanced/innovative teaching methods which enable a more interactive and vibrant knowledge sharing system have become a very essential and inevitable part of modern day teaching. Some of these modern day tools which have been adopted by the department include:

- Standard Chalk-Talk Method

- Class Room Interaction

- Group Discussion Method

- Projects and Assignments

- Power Point Presentation method

- Audio-Visual aids (films and videos on subject related topics)

- Co-operative Learning

- Discussion of previous year's question papers and their solution

- Project and Paper presentations by student

- Healthy and dynamic culture in which the students are encouraged to remain in constant interaction with the industry experts and other eminent people in their field.

- Students are also encouraged to think beyond classroom lectures.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

<u>Strengths</u>:

- Job oriented, structured curriculum.

- Highly qualified, dedicated, diversified, faculty with specialization in different areas of Electronics.

- Majority of the staff has Ph.D. degrees and publications in reputed journals.

- Highly advanced infrastructure/resources, hardware and software tools to fulfill the demands of curriculum.

- Regular Lecture/seminar induction, interaction with the industry experts and eminent scientists to nurture new ideas and technical thinking.

- Inclination of faculty towards research and quality improvement through various measures.

- Good management which preserves teacher's dignity and values.

- ITC enabled laboratory serves as the extra hand for learning and teaching process.

- Reference books for advance study level also available in the college library.

- Dedicated faculty members and eager student's synchronization acts like an ideal combination for best teaching and learning process.

- Student centered and practical based teaching and learning environment.

<u>Weaknesses:</u>

- Not enough interaction with the industry.

- Department needs to focus on organizing intra-university/inter-college level technical workshops/seminars/tech-awareness programs and many more.

- Equipments/instruments within the labs must have sync with fast changing technology.

- The department lacks departmental library.

<u>Opportunities:</u>

- In the laboratories, experiments can be simulated using advanced simulation

software's before the actual experiment is carried out.

- Creating more Industry Institute linkages.

- To make the Electronics students employable and to make them well equipped to enter job market with good technical backgrounds.

Challenges:

- The challenge is to motivate the students towards core research and further studies in today's world where more students are attracted towards higher and quick pay packages.

- To guide the students in this transition period of social change and make them self-learners.

- To motivate students to develop a deeper level of technical and analytical thinking and to motivate them to pursue higher education.

- To constantly upgrade the syllabi for a technical subject like Electronics as to meet the fast changing technology requirement of industries.

Future Plans:

- Ever since its inception, the Department of Electronics has vigorously worked with the vision to improve itself in terms of the quality of the laboratories and the teaching methodologies employed.

- The department plans to expand resources and set up new labs to promote research and innovation.

- Additional facilities will be provided to the students to carry out in-house projects.

- The department also plans to develop a mechanism through which better interaction and consultancy with the industry experts and eminent scientists can be achieved. This can be partially accomplished by conducting regular seminars/workshops in which academicians/scientists are invited to share their expertise and knowledge amongst the students.

Department of Mathematics

1. Name of the department: **Mathematics**

2. Year of Establishment: **1994**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   UG - B.Sc (H) Mathematics (3years)
   UG - B.Sc (G) Mathematical Science (3 years)

4. Names of Interdisciplinary courses and the departments/units involved

   B.Sc (G) Mathematical Science

   - **Programming Fundamentals** (I semester) taught by Computer Science Department.

   - **Data Structure** (II semester) taught by Computer Science Department.

   - **Psychology for Living** (V semester) taught by Psychology Department.

   - **Networking** (V semester) taught by Computer Science Department.

   - **Modern Indian Literature** (V Semester) taught by English Department.

   - **Data Base Management System** (VI semester) taught by Computer Science Department.

   - **Environmental Studies** (I year)

   B.Sc (H) Mathematics

   - **Chemistry** (I semester) taught by Chemistry Department.

   - **Financial Management** (II semester) taught by Commerce Department.

   - **Chemistry Lab** (II semester) taken by Chemistry Department in IInd Semester

   - **Contemporary English** (II semester) taught by English Department.

   - **Hindi** (III semester) taught by Hindi Department.

   - **Psychology for Living** (IV Semester) taught by Psychology Department.

   - **Economics** (VI semester) taught by Economics Department.

   - **Green Chemistry** (VI Semester) taught by Chemistry Department.

   - **Environmental Studies** (I year)

5. Annual/ semester/choice based credit system (programme wise):

   - **B.Sc (H) Mathematics: Semester mode**
   - **B.Sc (G) Mathematical Science: Semester mode**

6. Participation of the department in the courses offered by other departments

   - **Calculus & Geometry** (II Semester) of B.Sc(H) Computer Science & Applied physical science
   - **Mathematics-I** (II Semester) of B.Sc (H) Electronics.
   - **Statistical Methodology** (VI Semester) of B.Sc(H) Computer Science
   - **Allied- Real Analysis** (III Semester) of B.Sc(H) Physics
   - **Real Analysis** (V Semester) of Applied Physical Science

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of Teaching posts

	Sanctioned	Filled	Ad-hoc
Professors	Nil	Nil	Nil
Associate Professors	Nil	3 (Promoted)	Nil
Asst. Professors	14	3	8

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience (in years)	*Students guided for PhD
Dr. Rubina Mittal	PhD, M.Phil, M.Sc	Associate Professor	Operational Research	19	-
Dr. Rajni Mendiratta	PhD, M.Phil, JRF, M.Sc.	Associate Professor	Complex Analysis	16	-
Dr.Arpana Sharma	PhD, JRF, M.Sc	Associate Professor	Operational Research	19	-
Dr. Ritu Arora	PhD, M.Phil, JRF, M.Sc	Assistant Professor	Mathematical Programming	11	-
Mr. Ashish Bansal	M.Phil, JRF, M.Sc	Assistant Professor	Harmonic Analysis	06	-
Dr. Dhanpal Singh	PhD, M.Phil, NET, M.Sc	Assistant Professor	Reliability Theory	09	-
Ad-hoc					
Ms. Richie Aggarwal	M.Phil, JRF, M.Sc	Assistant Professor	Operational Research	02	-
Ms. Khusboo Bussi	NET, M.Sc	Assistant Professor	Applied Mathematics	02	-

Mr. Anirban Chatterjee	NET ,M.Sc	Assistant Professor	Pure Mathematics	01	-
Ms. Preeti	M.Phil, JRF, M.Sc	Assistant Professor	Fundamental Analysis, Operator Algebra	01	-
Mr. Sanjeet Kumar Kamat	NET ,M.Sc	Assistant Professor	Pure Mathematics	01	-
Ms. Vandana Verma	JRF, M.Sc	Assistant Professor	Pure Mathematics	02	-
Ms. Rajat Arora	M.Phil, NET, M.Sc	Assistant Professor	Operational Research	04	-
Mr. Ram Keval	JRF, M.Sc	Assistant Professor	Mathematical Modelling	1.5	-
* No. of PhD Students guided for the last 4 years (including ongoing PhD supervision)					

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

    B.Sc (H) Mathematics: 51.7%
    B.Sc (G) Mathematical Science: 52%

13. Student -Teacher Ratio (programme wise):

    B.Sc (H) Mathematics: 27:1
    B.Sc (G) Mathematical Science: 44:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No.	Support Staff	Sanctioned Post(s)	Filled Post(s)	Contractual
1.	Scientific Assistant	1	Nil	1
2.	Lab Attendant	1	Nil	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

S.No.	Qualification	No. of Faculty Members	
		Permanent	Ad-hoc
1.	PhD	5	Nil
2.	M.Phil.	-	3
3.	M.Sc.	1	5

16. Number of faculty with ongoing projects from

a) National

b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Inniovation Project entitled "To develop an early warning system for quality deterioration of ground water and its purification" **by Dr. Dhanpal Singh** along with Dr. Mukesh Gupta, Dr. Madhu Pruthi and Mr. Ravi Kumar Yadav**.**

Duration of the Project**: 2013-15**

Project completed on**: 31st March 2015**

Funding Agency**: University of Delhi**

Total grand received for the project**: Rs. 6, 00,000/-**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications

S.No	Faculty Name	No. of Papers Published in International/ National Journals	No. of Papers Published in International/ National Conference Proceedings	No. of Chapters in Books
1.	Dr. Rajni Mendriatta	5	-	-
2.	Dr. Arpana Sharma	4	1	-
3.	Dr. Ritu Arora	9	-	-
4.	Dr. Dhanpal Singh	8	3	-

- Books with ISBN/ISSN numbers with details of publisher:

1. "Mathematics (Class XII) Vol 1", V.K. Gupta, **A.K. Bansal**, Sultan Chand & Sons (P) Ltd., 2015, ISBN-978-81-8350-568-0
2. "Mathematics (Class XII) Vol 2", V.K. Gupta, **A.K. Bansal**, Sultan Chand & Sons (P) Ltd., 2015, ISBN-978-81-8350-570-3
3. "Mathematics (Class XI)", V.K. Gupta, **A.K. Bansal**, Sultan Chand & Sons (P) Ltd., 2015, ISBN-978-81-8350-588-8
4. "Perfect Mathematics (Class XII) Vol 1", V.K. Gupta, **A.K. Bansal**, Gur Das Kapur & Sons (P) Ltd., 2014, ISBN-978-81-7569-096-7
5. "Perfect Mathematics (Class XII) Vol 2", V.K. Gupta, **A.K. Bansal**, Gur Das Kapur & Sons (P) Ltd., 2014, ISBN-978-81-7569-097-4
6. "Perfect Mathematics (Class XI)", V.K. Gupta, **A.K. Bansal**, Gur Das Kapur & Sons (P) Ltd., 2014, ISBN-978-81-7569-099-2
7. "Perfect Practice Paper Mathematics (Class XII)", V.K. Gupta, **A.K. Bansal**, Gur Das Kapur & Sons (P) Ltd., 2013, ISBN-978-81-7569-098-1

8. "My Ultimate Mathematics Lab Activity Manual (Class 10)", V.K. Gupta, **A.K. Bansal**, Piyush Bansal, Max Educational Publishers, 2014, ISBN-978-81-9302-674-8

9. "My Ultimate Mathematics Lab Activity Manual (Class 9)", V.K. Gupta, **A.K. Bansal**, Piyush Bansal, Max Educational Publishers, 2014, ISBN-978-81-9302-673-1

10. "My Ultimate Mathematics Lab Activity Manual (Class 8)", V.K. Gupta, **A.K. Bansal**, Piyush Bansal, Max Educational Publishers, 2014, ISBN-978-81-9302-672-4

11. "My Ultimate Mathematics Lab Activity Manual (Class 7)", V.K. Gupta, **A.K. Bansal**, Piyush Bansal, Max Educational Publishers, 2014, ISBN-978-81-9302-671-7

12. "My Ultimate Mathematics Lab Activity Manual (Class 6)", V.K. Gupta, **A.K. Bansal**, Piyush Bansal, Max Educational Publishers, 2014, ISBN-978-81-9302-670-0

- Books Edited: **NIL**
- Monographs: **NIL**

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

a) National committees: **Dr. Rubina Mittal** is co-chairman of education committee of PhD Chamber of Commerce & Industry, Executive member of FICCI (Ladies Organization) and Member of FICCI.

b) International Committees: **Nil**

c) Editorial Boards: **Nil**

22. Student projects: **Nil**

a) Number of students who have done in-house projects including inter departmental/programme

b) Number of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

23. Awards / Recognitions received by faculty and students: **Data Unavailable**

24. List of eminent academicians and scientists / visitors to the department

- Lecture on Topic "Mathematical Talk on Musical Performance" by **Dr.**

Shudeshna Basu (George Washington University, Washington DC, USA) in 2013-14

- Talk on Topic "Cryptography" by **Dr. Somitra Kumar Sanadhya** (IIIT Delhi) in 2013-14

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: **Nil**

b) International: **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Students Enrolled (Final Year)			Pass Percentage
		M	F	Total	
B.Sc.(H) Mathematics	2010-11	9	15	24	87.50
	2011-12	14	18	32	96.88
	2012-13	24	37	61	100.00
	2013-14	19	18	37	78.38
B.Sc. (G) Mathematical Sciences	2010-11	12	18	30	93.33
	2011-12	8	18	26	88.46
	2012-13	20	12	32	90.63
	2013-14	17	23	40	60.00

*M=Males, *F=Females

27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.(H) Mathematics	2011-12	54	40	2
	2012-13	69.2	29.9	0
	*2013-14	47	42.4	0
	2014-15	53	45.4	1.5
B.Sc. (G) Mathematical Science	2011-12	69.2	18.5	0
	2012-13	70.6	17.6	0
	2014-15	58.1	44.2	0

*Admissions were done under FYUP only, No admission was done under B.Sc. (G) Mathemematical Science in the year 2013-14.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Data Unavailable

29. Student progression

Student progression	Against % enrolled
UG to PG	**Data Unavailable**
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a) Library: **College Library is used by the students; no separate library of the department exists.**

   b) Internet facilities for Staff & Students:

   Wi-Fi facility is accessible in the entire College campus for Staff & Students. Apart from this, Mathematics department has well equipped Computer Lab with internet facility for students as well as for the faculty members.

   c) Class rooms with ICT facility

   All the classrooms allotted to Mathematics Department are enabled with ICT.

   d) Laboratories:

   Well equipped computer lab with internet facility as well as the systems having software like Mathematica, MATLAB, SPSS and TORA

31. Number of students receiving financial assistance from college, university, government or other agencies: **Nil**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **Kindly refer to Point 24**

33. Teaching methods adopted to improve student learning

    The modern tools that adapted by mathematics department to enhance the innovative teaching and to share the knowledge are:

    - Standard Chalk-Talk Method.

    - Projects and Assignments.

    - Power Point Presentation Method

    - Discussion of previous year's paper and their solutions.

    - Students are encouraged to think beyond classroom lectures.

    - Co-operative Learning.

    - Learning while Doing Method.

    - Paper presentations by students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

Strengths:

- Excellent course structure that caters to the modern needs.

- Highly qualified and dedicated faculty with specialization in pure and applied mathematics.

- Dedicated faculty members and eager students work as an ideal combination for information generation.

- Inclination of faculty towards research and latest teaching methodologies.

- Basic IT knowledge is inculcated in the students so that they can present themselves more effectively.

- Students are motivated to give PowerPoint presentations on applications of mathematics that helps in developing presentation skills, confidence and above all better understanding of the subject.

- ICT enabled laboratory serves as the extra hand for learning and teaching process.

- Student centered and activity based teaching and learning.

 Weaknesses:

- Department needs to focus on organizing national/international level seminar/conference/symposium etc.

- Less interaction with the industry and schools.

- Due to lack of infrastructure, the faculty members do not have individual

rooms for research work and preparing lectures.

Opportunities:

- To make the students employable and to make them well equipped to enter into the job market.

- To collaborate with the banking and industry sectors for the internship of the students.

Challenges:

- To motivate students to develop a deeper level of critical and analytical thinking and to cultivate in them an endeavoring passion to pursue higher education

- To guide the students to make them self-learners

- Teaching students coming from different educational backgrounds on a common platform.

Future Plans:

- To expand resources and install latest software in computers to promote research and innovation.

- To have a departmental library for ease of consulting books and a quick ready reference.

- To organize workshops and seminars aimed at the application of Mathematics in a variety of fields.

To sum up, it can definitely be said that the Department of Mathematics has enthusiastically worked with the vision to improve itself in terms of the quality of the teaching and learning process. Also, the achievement of the Department is scintillating; the future plans have definite goals and the Department is always in a march for adding to the glory of our alma mater.

Department of Physics

1. Name of the department: **Physics**

2. Year of Establishment: **1994**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   UG: B.Sc. (H) Physics (3 year)

4. Names of Interdisciplinary courses and the departments/units involved

   B.Sc. (H) Physics:

   - **Technical Writing and Communication in English** (I Semester) taught by English Department

   - **Chemistry** (I Sem) taught by Chemistry faculty

   - **Chemical Bonding** (III Sem) taught by Chemistry faculty

   - **Linear algebra** (IV Sem) taught by department of Mathematics

   - **Environmental Studies** (I year)

5. Annual/ semester/choice based credit system (programme wise):

   B.Sc. (H) Physics (3 year): Semester Mode

6. Participation of the department in the courses offered by other departments

   The Department participates in the curriculum of B. Sc. (H) Maths, B. Sc. (H) Electronics and B. Sc. Physical Science

   - **Physics Theory** paper of B.Sc. (H) Maths (I Sem)

   - **Physics** Lab of B.Sc. (H) Maths (II Sem);

   - **Electricity and Magnetism Theory** paper of B.Tech. Electronics (IV Sem)

   - **Electricity and Magnetism Lab** paper of B.Tech. Electronics (IV Sem)

   - **Mechanics Theory** paper of B.Sc. Physical Sci. (I Sem)

   - **Physics Lab** of B.Sc. Physical Sci. (I Sem)

   - **Thermal Physics Theory** paper of B.Sc. Physical Sci. (II Sem)

   - **Physics Lab** of B.Sc. Physical Sci. (II Sem)

   - **Quantum Mechanics and atomic Physics Theory** paper of B.Sc. Physical Sci. (V Sem)

   - **Physics Lab** of B.Sc. Physical Sci. (V Sem)

- **Electronics Circuits Theory** paper of B.Sc. Physical Sci. (V Sem)

- **Electronics Circuits Lab** of B.Sc. Physical Sci. (V Sem)

- **Solid State and Nuclear Physics Theory** paper of B.Sc. Physical Sci. (VI Sem)

- **Physics Lab** of B.Sc. Physical Sci. (VI Sem)

- **Communication electronics Theory** paper of B.Sc. Physical Sci. (VI Sem)

- **Communication electronics Lab** of B.Sc. Physical Sci. (VI Sem)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons: **Nil**

9. Number of Teaching posts

	Sanctioned	**Filled**	**Ad-hoc**
Professors	Nil	Nil	Nil
Associate Professors	Nil	5 (promoted) (includes 1 on EOL and 1 on CCL)	Nil
Assistant Professors	12	4	7 (includes 1 against EOL+ 1 against CCL)

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name#	Qualification	Designation	Specialization	Experience (in years)	*Students guided for PhD
Dr. Vijay Kumar Verma	PhD, NET, M.Sc. Physics	Associate Professor	High Energy Physics	21	-
Dr. Kanupriya Goswami	PhD, NET, M. Sc. Physics	Associate Professor	Particle Physics	19	-
Dr. Anupama	PhD, NET, M.Sc. Physics, M.Ed.	Associate Professor	Material Science	19	-
Dr. Vandana Arora	PhD, NET, M.Sc. Physics	Associate Professor	Nuclear Physics	18	-
Dr. Divya Haridas	PhD, NET, M.Sc. Physics	Assistant Professor	Condensed Matter Physics	8	-

Dr Jasmeet Singh	PhD, NET, M.Sc. Physics	Assistant Professor	Atomic and Molecular Physics	7	-
Ms. Meenakshi	M. Phil., NET, M.Sc. Physics	Assistant Professor	Laser Physics	6	-
Ms. Chetna	M. Sc. Physics NET, B. Ed.	Assistant Professor	Electronics	6	-
Ad-hoc					
Dr Smita Korpal	PhD, NET, M.Sc. Physics	Assistant Professor	Solid State Physics &Superconductivity	7	-
Mr. Gagandeep Longiany	M.Sc. Physics, NET	Assistant Professor	Electronics	5	-
Ms. Neha Yadav	M.Sc. Physics NET	Assistant Professor	Plasma & Astrophysics	4	-
Dr. Neeru Sehdev	PhD, NET, M.Sc. Physics	Assistant Professor	Condensed Matter Physics	1	-
Mr. Gyanendra Singh	M.Tech., NET, Ph. D.(Thesis submitted)	Assistant Professor	Optics	3 months	-
Ms. Rekha	M. Sc. Physics, NET, B.Ed., Ph.D. (Thesis submitted)	Assistant Professor	Electronics	3 months	-
Mr. Sintu Kumar	M.Sc. Physics NET, Pursuing PhD	Assistant Professor	Nano- Plasmonics	2	-
* No. of PhD Students guided for the last 4 years (including ongoing PhD supervision)					
#Dr. Ajay Arora is on EOL					

11. List of senior visiting faculty:

- **Prof Amitabha Mukerjee**, Department of Physics and Astrophysics, University of Delhi

- **Prof. Brajesh Chandra Choudhary**, Department of Physics and Astrophysics, University of Delhi

- **Prof. Patrik Dasgupta**, Department of Physics and Astrophysics, University of Delhi

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: **41.5%**

13. Student -Teacher Ratio (programme wise):

   B.Sc (H) Physics : 13:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No.	Support Staff	Sanctioned Post(s)	Filled Post(s)	Contractual
1.	Scientific Assistant	4	4	Nil
2.	Lab Attendant	2	Nil	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

S.No.	Qualification	No. of Faculty Members	
		Permanent	Ad-hoc
1.	PhD	6 (+ 1 on EOL)	2
2.	M.Phil.	1	1
3.	M.Sc.	1	4

16. Number of faculty with ongoing projects from

a) National: **Nil**

b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Dr. A K Arora, Dr. Priti Sehgal and **Dr. Divya Haridas** were awarded Innovation project by University of Delhi in the year 2012-2013. The details are given below:

Name of Project: Innovation Project titled "Design and development of a low cost computerized laser Raman spectrometer indigenously for DU student laboratories"

Position in Project: Project Investigator along with Dr. Ajay Arora and Dr. Priti Sehgal.

Period: One Year

Funding Agency: Awarded/Funded by University of Delhi

Grant: ₹ 10,00,000/- (₹ Ten Lakh)

Project Completion Date: 15th July 2013

18. Research Centre /facility recognized by the University: **Nil**

19. Publications

S.No	Faculty Name	No. of Papers Published in International/ National Journals	No. of Papers Published in International/ National Conference Proceedings	No. Publications listed in International Database	No. of Chapters in Books/ e-Lessons	Citations	H-Index
1.	Dr. V. K. Verma	6	-	6	-	47	-
2.	Dr. Kanupriya Goswami	4	-	4	-	34	-
3.	Dr Anupama	8	3	8	-	15	2
4.	Dr Vandana Arora	2	-	2	-	-	-
5.	Dr. Divya Haridas	13	15	19	4	163	6
6.	Dr Jasmeet Singh	6	1	6	4	15	2
7.	Dr. Smita Korpal	1	-	-	2	-	-
8.	Dr. Neeru Sehdev	13	-	13	-	60	4
9.	Mr. Gyanendra Singh	10	10	10	-	11	1
10.	Ms. Rekha	7	1	7	-	7	2

- Books with ISBN/ISSN numbers with details of publisher: **NIL**
- Books Edited: **NIL**
- Monographs: **NIL**

- **Details of Journal, Impact factor , SNIP , SJR :**

Name of Journal in which faculty has published paper	Impact Factor	SNIP	SJR
Sensors and Actuators B: Chemical	3.840	1.627	1.312
Materials Letters	2.269	1.263	0.893
Physica B: Condensed Matter	1.276	1.066	0.625
Bulletin of Materials Science	0.870	-	-
Indian Journal of Engineering & Materials Sciences (IJEMS)	0.641	-	-
Physical Review C	3.881	-	-
Elsevier, Journal of Magnetism and Magnetic Materials	2.002	1.568	0.935
AIP, Journal of Applied Physics	2.185	0.919	0.773
Elsevier, Superlattices and Microstructures	1.979	1.075	0.745
Elsevier, Material Research Bulletin	1.968	1.032	0.772
Springer, Plasmonics	2.663	1.296	1.233
AIP Conference Proceedings	0.145	1.15	0.162
AIP, Journal of Applied Physics	2.185		
Elsevier, Journal of Alloys and Compounds	2.726	1.657	1.181
Springer, Journal of Material Science	2.305	-	-
Elsevier, Current Applied Physics	2.026	1.326	0.853
Springer, Appl. Phys. A: Material Science and Processing	1.694	-	-
IOP, Journal of Physics. D: Applied Physics	2.521	-	-
Springer, Journal of Nanoparticle Research	2.278	-	-
Elsevier, Journal of Magnetism and Magnetic Materials	2.002	1.568	0.935
Elsevier, Applied Surface Sciences	2.538	1.531	1.045
AIP, Applied Physics Letters	3.794	-	-
Elsevier, Surface and Coatings Technology	2.453	1.879	1.178
Physical Review A	2.991	0.940	1.647
Indian Journal of Physics	1.785	0.918	0.322
IEEE/OSA Journal of Display Technology	1.686	-	-
Journal of Information Display	0.798	-	-
Journal of Optics	2.010	-	-
Applied Optics	1.649	-	-
Journal of Modern Optics	1.169	-	-
International Journal of Optics	0.00	-	-
AIP Advances	1.591	0.829	0.645

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

    a) National committees:
    - **Dr. Jasmeet Singh** is a life member of Indian Society of Atomic & Molecular Physics, Physical Research Laboratory, Ahmedabad, India.

    b) International Committees:
    - **Dr. Anupama Sachdeva** was a member of Local Organizing Committee of 'International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials (ICWNCN-2012)'held during 13-16 March, 2012 at Department of Physics and Astrophysics, University of Delhi, Delhi-110007.

    - **Dr. Divya Haridas** was a member of Organizing Committee of Indo-Australia Symposium on Multifunctional Nanomaterials and Nanostructures Applications (MNNA 2007), Dept. of Physics & Astrophysics, Univ. of Delhi from 19-21 December 2007.

    - **Dr. Divya Haridas** was a member of Organizing Committee of National Seminar on Multifunctional Nanomaterials & Nanostructures Applications–MNNA 2006 (23 -24 Dec. 2006) at Dept. of Physics and Astrophysics, Univ. of Delhi, India.

    c) Editorial Boards: **Nil**

22. Student projects:

    - Number of students who have done in-house projects including inter departmental / programme:
    - 7 students of B.Sc. (H) Physics and 3 students of B.Sc. (H) Computer Science jointly undertook "Innovation Project titled "Design and development of a low cost computerized laser Raman spectrometer indigenously for DU student laboratories" in 2011.
    - All students of B.Sc. Physical Science VI Semester have to do compulsory project work.

    a) Number of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies.

23. Awards / Recognitions received by faculty and students
    By Faculty
    - **Dr. Divya Haridas** was awarded Best Paper Presentation in International Conference on Sensing Technology (ICST) 2008 in Tainan, Taiwan during Nov 30-Dec 03, 2008, where one oral presentation and one

poster presentation was given.

- **Dr. Divya Haridas** secured 2nd Position in Oral Presentation on "Room temperature response of SnO2 based thin film methane gas sensors" in International Conference on Indo-UK Conference on recent advances on chemical sensors held at Gargi College, University of Delhi from 10-11 February 2014.
- **Dr. Jasmeet Singh was** awarded with best poster prize in the National Conference "DAE-BRNS Symposium on Atomic, Molecular and Optical Physics" at Karnataka, University, Dharwad, during February, 2011.

By Student

- Mr. Akhileshwar Mishra, student of 2010-2013 batch had won first prize in Legacy of Shrinivas Ramanujam Competition 2013. As a part of the prize he along with his team were sponsored by University of Delhi to visit and spent four days each in Oxford University and Cambridge University, UK during 22 June-3 July 2013.
- Students, who were working in the Innovation Project (KMV-101) had participated and presented their work in two conferences. They gave an Oral presentation on "Low cost computerized laser Raman spectrometer designed for Undergraduate student laboratories" in IAPT National Student Symposium on Physics during 25-27 February, 2013 in Chandigarh. Students also participated and presented their work in 3-day National Conference on "Redefining Science Teaching: Future of Education" during 7-9 March, 2013 at South Campus, University of Delhi and awarded by a paper presentation award.
- Scholarships are awarded to many students of Physics department by various government organizations/boards.
  - ∗ Seventeen students have been awarded INSPIRE fellowships by Department of Science and Technology (DST). Students get ₹ 60,000/- per annum each and can avail an extra ₹ 20,000/- for doing internship or summer projects.
  - ∗ Ten students have been awarded CBSE scholarship for Undergraduate program for ₹10,000/- per annum.
  - ∗ Four students have been awarded Scholarships of ₹10,000/- each, by Board of School Education Haryana.
  - ∗ Two students have been awarded Scholarship of ₹10,000/- each, by CSSS.
  - ∗ One student has been awarded a scholarship of ₹30,000/- per annum, by UP Board.

24. List of eminent academicians and scientists / visitors to the department

- **Prof Amitabha Mukerjee**, Department of Physics and Astrophysics, University of Delhi
- **Prof. Brajesh Chandra Choudhary**, Department of Physics and Astrophysics, University of Delhi
- **Prof. Patrik Dasgupta,** Department of Physics and Astrophysics, University of Delhi

25. Seminars/ Conferences/Workshops organized & the source of funding

   a) National: **Nil**

   b) International: **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Students Enrolled (Final Year)			Pass Percentage
		M	**F**	**Total**	
B.Sc.(H) Physics	2010-11	8	9	17	94.12
	2011-12	14	18	32	100.00
	2012-13	33	21	54	44.44
	2013-14	21	16	37	59.46

27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.(H) Physics	2011-12	78	22	0
	2012-13	63.5	34.9	0
	*2013-14	35	51.6	0
	2014-15	22.6	67.7	0

*Admissions were done under FYUP merged into B.Sc.(H) Physics

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

   Data Unavailable

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	**Data Unavailable**
Employed	
Campus selection	
Other than campus recruitment	

Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a) Library: **Students have access to the College Library, no separate Library is maintained by the Department.**

   b) Internet facilities for Staff & Students: **The College is Wi-Fi equipped and the facility is available for use by the staff and students.**

   c) Class rooms with ICT facility: **Yes**

   d) Laboratories:

   - **Department has fully equipped laboratory with latest instruments, for the electronics and mechanics practical.**
   - **The Department has an additional dark room to conduct the optics experiment along with an additional room for Ballatic Galvanometer experiment.**
   - **Computers are provided in the laboratory with the MS Office installed which is helpful for the graphs plotting and analysis.**

31. Number of students receiving financial assistance from college, university, government or other agencies

S.No	Roll No.	Student Name	Scholarship	Amount (₹)
B.Sc. (H) Physics I Year				
1.	6432	Deeksha Pandey	Inspire Scholarship	80,000/-
2.	6424	Harsh Baghal	Inspire Scholarship	80,000/-
3.	6403	Vivek Dhiman	Board of School Education Haryana	10,000/-
4.	6443	Sombir	Board of School Education Haryana	10,000/-
5.	6448	Akshay	C.B.S.E, CSSS fellowship	10,000/-
6.	6437	Shubham	Inspire Scholarship	80,000/-
7.	6414	Prachi	C.B.S.E, CSSS fellowship	10,000/-
8.	6427	Ashu Bansal	C.B.S.E, CSSS fellowship	10,000/-
9.	6450	Manish	C.B.S.E, CSSS	10,000/-

			fellowship	
10.	6420	Raghav	C.B.S.E, CSSS fellowship	10,000/-
B.Sc. (H) Physics II Year				
11.	4434	Rahul Tewatia	Inspire DST	60,000/-
12.	4432	Navdeep	Inspire DST	60,000/-
13.	4453	Shubham	Inspire DST	60,000/-
14.	4416	Pankaj	Inspire DST	60,000/-
15.	4418	Anshul	Inspire DST	60,000/-
16.	4417	Rahul Yadav	Inspire DST	60,000/-
17.	4415	Mukesh	Inspire DST	60,000/-
18.	4472	Surbhi	HBSE Merit Scholarship	10,000/-
19.	4479	Sandeep	HBSE Merit Scholarship	10,000/-
20.	4474	Aakash	CBSE Scholarship for Undergraduate program	10,000/-
21.	4442	Divya	CBSE Scholarship for undergraduate program	10,000/-
22.	4429	Nevika	CBSE Scholarship for undergraduate program	10,000/-
23.	4441	Soniya	CBSE Scholarship for undergraduate program	10,000/-
24.	4443	Shristy	CBSE Scholarship for undergraduate program	10,000/-
B.Sc. (H) Physics III Year				
25.	1047	Bibhabasue De	Inspire SHE	60,000/-
26.	1051	Dheerendra Dev	Inspire SHE	60,000/-
27.	1053	Piyush	Inspire SHE	60,000/-
28.	1065	Navneet Kumar	Inspire SHE	60,000/-
29.	1071	Vinod Singh Kushwaha	Inspire SHE	60,000/-
30.	1028	Purnima Naorem	Inspire SHE	60,000/-
31.	1022	Shekhar Joshi	Inspire	60,000/-
32.	1067	Shalni Yadav	UP Board	30,000/-

33.	1036	Mansi Singh	C.B.S.E, CSSS fellowship	10,000/-
34.	1020	Sunali Jakhar	C.B.S.E, CSSS fellowship	10,000/-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

The Physics society organizes yearly event comprising of subject talk by eminent experts, seminars, debate and poster making.

33. Teaching methods adopted to improve student learning

The following strategies are employed to develop students' interests and knowledge:

- **Power point** -Beside the conventional methods of delivering lectures using a display board, power point presentations are prepared and shared with students to provide them with visual experience of different/various concepts.

- **Writing Assignments**- Assignments are provided to students on regular basis

- **Discussion Strategies** - A good environment for interaction is the first step in encouraging students to talk. Discussions amongst students and faculty members take place openly.

- **Online sharing** of question banks helps in having a better exposure of the conceptual subject.

- **Collaborative Learning** - Collaborative learning approaches in which students work together in small groups to accomplish a common learning goal for their own learning.

- **Learning by Doing**- Using this approach, the students' subjective knowledge is enhanced as they are provided with well equipped lab wherein they perform experiments based on designing and real world applications.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

Strengths:

- Cooperative, dedicated and hard working faculty
- ICT enabled lab &classroom
- Wireless Fidelity connectivity

- Well equipped Lab with latest instruments, equipments and compters
- Fully air-conditioned laboratories

<u>Weaknesses:</u>

- Paucity of space

<u>Opportunities:</u>

- Seven students of the department worked in an Innovation project granted by University of Delhi, under the supervision of Dr. Ajay Arora & Dr.Divya Haridas. They worked with Computer science students on this project and worked in an inter-disciplinary area which helped them to broaden their research aptitude.
- Hands on experience
- Students got an opportunity to participate in
    * Poster making competition
    * Physics based Rangoli
    * Physics based debate

<u>Challenges:</u>

- The department has begun to plan a course of action in various instances, but is facing following challenges :
    * Providing additional on campus recreation facilities like research lab.
    * To increase extra-curricular activities related to technology.

Department of Psychology

1. Name of the department: **Psychology**

2. Year of Establishment: **2007**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   UG - B.A. (Honours) Psychology (3years)

   UG-B.Tech in Psychological Sciences (3years) (Only for 2013-2016 Batch)]

4. Names of Interdisciplinary courses and the departments/units involved

   B.A. (H) Psychology

   - **Hindi-lower and Hindi-higher** (Semester I) taught by Guest Faculty from Department of Hindi.

   - **English** (Semester II) taught by Department of English

   - **Ethics in Public Domain** (Semester III) taught by Guest Faculty from Department of Philosophy

   - **Citizenship in a Globalizing World** (Semester IV) taught by Guest Faculty from Department of Political Science

   - **Symbolic Logic** (Semester VI) taught by Guest Faculty from Department of Philosophy

   - **Sociology** (Semester VI) taught by Guest Faculty from Department of Sociology

   - **Environmental Studies** (I year) taught by EVS faculty

   B.Tech (Psychological Sciences)

   - **Reading Gandhi** (Semester III) taught by Guest Faculty from Department of Political Science

   - **Understanding Ambedkar** (Semester IV) taught by Guest Faculty from Department of Political Science

5. Annual/ semester/choice based credit system (programme wise):

   B.A. (H) Psychology (3years): Semester mode
   B.Tech in Psychological Sciences (3years): Semester mode

6. Participation of the department in the courses offered by other departments

   - **Psychology for Living** (V/VI Semester) of B.Sc. (H) Mathematics of Department of Maths

   - **Psychology for Living** (V/VI Semester) of B.Sc. Mathematical Sciences of

Department of Maths

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons:

   B.Tech in Psychological Sciences discontinued from 2014-15 onwards

9. Number of Teaching posts

	Sanctioned	**Filled**	**Ad-hoc**
Professors	Nil	Nil	Nil
Associate Professors	Nil	Nil	Nil
Asst. Professors	5	3	4* (includes 1 against CCL)
*Additional ad-hoc (1 position) presently is due to the workload of FYUP batch.			

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	**Qualification**	**Designation**	**Specialization**	**Experience (in years)**	***Students guided for PhD**
Dr. Dimpy Mahanta	PhD, MA Psychology	Assitant Professor	Organizational Behavior	8	1
Dr. Daisy Sharma	PhD, PGD (Guidance & Counselling), MA Psychology	Assitant Professor	Developmental Psychology	7	-
Dr. Harpreet Bhatia	PhD, MA Psychology	Assistant Professor	Clinical Psychology	9 (Industry experience of 25 years)	3
Ad-hoc					
Dr. Reema Malhotra	PhD, MA Psychology	Assistant Professor	Clinical Psychology	6	-
Dr. Vandana Gambhir Chopra	PhD, MA Psychology	Assistant Professor	Psychometry	2	-
Ms. Kavita	M.Ed, MA Psychology	Assistant Professor	Developmental Psychology	3 months	-
Dr. Jyoti Gupta	PhD, MA Psychology	Assistant Professor	Developmental Psychology	4	-

> *** No. of PhD Students guided for the last 4 years (including ongoing PhD supervision)**

11. List of senior visiting faculty:

- **Prof. N.K. Chadha, Department of Psychology, University of Delhi**
- **Dr. Suneet Varma, Department of Psychology, University of Delhi**
- **Dr. Roma Kumar, Clinical Psychologist, Ganga Ram Hospital, Max Hospital and Fortis Hospital, Gurgaon**
- **Dr. Geetika Kapur, School Psychologist, Delhi**
- **Dr. Pearl Drego, Transactional Analyst, Delhi**
- **Dr. Muzammil Karim, Clinical Psychologist, Delhi**
- **Mr. Navneet Vallabh, Hypnotherapist, Delhi**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

B.A. (H) Psychology: 64%

B.Tech in Psychological Sciences: 87.5%

13. Student -Teacher Ratio (programme wise):

B.A. (H) Psychology: 10: 1

B.Tech in Psychological Sciences: 4: 1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

S.No.	Support Staff	Sanctioned Post(s)	Filled Post(s)	Contractual
1.	Scientific Assistant	1	Nil	Nil
2.	Lab Attendant	1	Nil	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG

S.No.	Qualification	No. of Faculty Members	
		Permanent	**Ad-hoc**
1.	PhD	3	3
2.	MA	Nil	1

16. Number of faculty with ongoing projects from

a) National

b) International funding agencies and grants received: **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: **Nil**

18. Research Centre /facility recognized by the University: **Nil**

19. Publications

S.No	Faculty Name	No. of Papers Published in International/ National Journals	No. of Papers Published in International/ National Conference/ Symposium/ Workshop Proceedings	Books Edited	No. of Chapters in Books/ e-Lessons	Citations	H-Index
1.	Dr. Dimpy Mahanta	3	-	-	1	-	-
2.	Dr. Daisy Sharma	1	1	1	6	-	-
3.	Dr. Harpreet Bhatia	4	-	2	12	-	-
Ad-hoc							
4.	Dr. Vandana Gambhir Chopra	4	-	-	2	-	-
5.	Dr. Reema Malhotra	5	-	-	2	-	-
6.	Dr. Jyoti	-	-	-	1	-	-
7.	Ms. Kavita	-	-	-	1	-	-

- **Books with ISBN/ISSN numbers with details of publisher:**

1. **Bhatia H.** (2006). Be a Winner, New Delhi: Friends Publications, ISBN-81-7216-181-6.

2. **Bhatia H.** (2006). Know Yourself, New Delhi: Friends Publications, ISBN-81-7216-182-4.

- **Books Edited:**

1. Chadha N.K., **Bhatia H**., Sharma D. (Ed.). (2011). Perspectives in Positive Psychology. New Delhi: Pinnacle Learning Pvt Ltd. (ISBN – 978-81-92228419)

2. Chadha N.K., **Bhatia H**., (Ed.). (2015). Career Development: Different Voices Different Choices. New Delhi: The Readers Paradise, 2015 (ISBN – 978-93-82110-24-8).

3. Chadha N.K., **Bhatia H., Sharma D.** (Ed.). (2011). Perspectives in Positive Psychology. New Delhi: Pinnacle Learning Pvt Ltd. (ISBN – 978-

81-92228419)

- Monographs: **NIL**

- **Details of Journal, Impact factor , SNIP , SJR :**

Name of the journal in which faculty has published papers	Impact Factor	SNIP	SJR
Indian Journal of Gerontology	-	-	-
Journal of Positive Psychology	-	-	-
Indian Journal of Community Psychology	-	-	-
Indian Journal of Positive Psychology	-	-	-
Indian Journal of Health and well Being	0.47	-	-
Journal of Governance and Regulation	0.514	-	-
Osong Public Health and Research Perspectives	-	0.449	0.153
Indian Streams Research Journal	2.15	-	0.13
International Journal of Social Sciences and Interdisciplinary Research	3.503	-	-
Asian Journal of Research in Social Science and Humanities	3.094	-	-

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in

   a) National committees: **Nil**

   b) International Committees: **Nil**

   c) Editorial Boards: **Nil**

22. Student projects:

   a) Number of students who have done in-house projects including inter departmental/programme:

   Every year, 6-8 students (20-25%) from B.A. (H) Psychology, III year enroll for projects as an option against practicals.

   b) Number of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **Nil**

23. Awards / Recognitions received by faculty and students

BA(H) Psychology- 1st year 2014-2015						
S.No.	Name of the Students	Activity	Description of the Activity	Level	Year	Position
1.	Jasmeet Singh	Envisage, Fenestra, Inter Collegiate Psychology Fest, KMV	Paper presentation	Inter-college	2015	3rd

24. List of eminent academicians and scientists / visitors to the department

Academic Year	Visitor
2013-2014	**Dr. Geetika Kapoor**, eminent School psychologist. Talk on 'counselling practices with children', organized by KMV psychology association in Oct. 2013.
2013-2014	**Prof. Narender Chadha**, department of psychology, DU gave talk on 'Scope of Psychology' during KMV psychology fest 'Fenestra' on 4th March 2014.
2013-2014	**Dr. Pearl Drego** – Talk on 'Transactional Analysis' during KMV psychology fest 'Fenestra' on 4th March 2014.
2013-2014	**Mr. Navneet Vallabh** – Talk cum live demonstration of Hypnosis.
2014-2015	**Dr. Roma Kumar**, eminent Clinical Psychologist gave a talk on 'juvenile delinquency and other issues among adolescents'. Organized by KMV psychology association on 31st Oct 2014.
2014-2015	**Prof. Suneet Varma**, department of psychology, DU gave talk on 'Indian Psychology' during KMV psychology fest 'Fenestra' on 24th March 2015.
2014-2015	**Dr. Muzammil Karim**, renowned relationship counselor gave a talk on 'relationship management' during KMV psychology fest 'Fenestra' on 24th March 2015.

25. Seminars/ Conferences/Workshops organized & the source of funding

   a) National: **Nil**
   b) International: **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Academic Year	Students Enrolled (Final Year)			Pass Percentage
		M	F	Total	
B.A.(H) Psychology	2010-11	0	20	20	100.00
	2011-12	7	29	36	88.89
	2012-13	6	16	22	86.36
	2013-14	15	18	33	90.91

27. Diversity of Students

Name of the Course	Academic Year	% of students from the same state	% of students from other States	% of students from abroad
B.A.(H) Psychology	2011-12	92.3	7.7	0
	2012-13	82.5	15	2.5
	2014-15	92.9	7.1	0
B.Tech. Psychological Sciences	*2013-14	82.4	8.8	0

*Admissions were done under FYUP for B.Tech. Psychological Sciences

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

   Data Unavailable

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	**Data Unavailable**
Employed	
Campus selection	
Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

   a) Library: **College Library is used by the students, no separate departmental library exists. However, the Department maintains the research project reports of students.**

   b) Internet facilities for Staff & Students:

   The entire college campus has a free Wi-Fi facility for teachers and students. The Department of Psychology is equipped with laptop and computers with internet connection to be used for presentation by students and faculty. The overhead projectors are installed in the classrooms allocated to Psychology Department.

   c) Class rooms with ICT facility

All the classrooms allocated to Psychology Department are ICT enabled.

d) Laboratories:

- A fully equipped ICT enabled Psychology Laboratory
- Latest psychological tests, scales and inventories
- Equipment to carry out experiments

Students are taught and given practical experience on following sub-disciplines of Psychology:

- Child and Developmental Psychology
- Abnormal Psychology
- Organizational Behaviour and Human Resource Management
- Clinical Psychology
- Counseling Psychology
- Health Psychology
- Research Methodology and Statistics
- Experimental Psychology
- Systems and Schools of Thought in Psychology
- Social Psychology
- Psychological testing

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year	No. of Students receiving financial assistance from College
2013-14	2

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **Kindly refer to Point 24**

33. Teaching methods adopted to improve student learning

- Use of Traditional Chalkboard (especially for teaching Research statistics)
- Lectures and Class Room Interactions
- Use of Overhead Projectors for Power Point Presentations
- Text-book and case-study assignments
- Screening of documentaries and films
- Dramas and role plays

- Debate, Group Discussion, Quiz and Open-house forums
- Google Scholar search for latest studies on a specific topic or problem
- Focus Group Discussions on ongoing political, social and gender-related issues
- Participating in seminars, workshops, Conferences, talks and events
- Visits to mental health clinics and NGOs.
- Every year 6-8 students enroll for research-based projects as an option against practicals.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The department of Psychology at this institute has started counseling cell named 'COUNSELENZA' which provides counseling and consultancy to the students. This counseling cell has publicized through posters and charts on the notice board of the college. The students of Psychology department are given training to make psychological assessments as well as to provide counseling.

35. SWOC analysis of the department and Future plans

Strengths:

- High level Research-based teaching
- Multi-domain specialization of teaching staff
- A number of successful projects with students based on stringent research guidelines resulting in significant applications.
- Networking with Psychology academicians and researchers

Weaknesses:

- Requirement of more specialized psychological tests in laboratory
- Department Library required
- Limited opportunities for teaching staff to engage in multi-disciplinary national and international research-based projects

Opportunities:

- Devising mechanisms for translating student's potential to reality
- Provision for part-time internship for students
- Collaborating, networking and finding associates within discipline and among related-disciplines
- Expanding psychological knowledge in applied contexts

Challenges:

- Motivate students to sustain interest in psychology as a field
- Motivate students to apply psychology beyond books in social issues
- Expanding the networking of department with outside psychological bodies for advancement of learning and skill enhancement of the students
- Making students more responsible for the departmental activities to train them for future challenges.

Future Plans:

- Adopting teaching methodologies that enhances critical thinking and foster innovation in students
- Making the department more cohesive and more connected to other departments of college.
- Regular educational trips to be actively incorporated with teaching.

Declaration from the Institutional Head

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the College after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

<div align="right">

Dr. Madhu Pruthi

Principal

Keshav Mahavidyalaya

University of Delhi

</div>

Place: Delhi

Date: 12th May 2015

Contact Details

Name of the Principal	:	Dr. Madhu Pruthi
Name of the Institution	:	Keshav Mahavidyalaya
City	:	Delhi
Pin Code	:	11 00 34
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Annexure

A1 - Publication Details of Faculty Members (Department wise)

Department of Business Studies

Papers published in International Journals

1. **Sharma, N.** (2013). Management of Innovation in SMES in India. Innovation and Development, Taylor and Francis Online Journal, ISSN -1756-5537, Volume 3, Issue 2, pages 319-320.

Papers published in National Journals

2. **Sharma, N. (2014).** Distinguishing Sectoral Innovation Behaviour: A Study of SMEs in India. YOJANA (Publication of Ministry of Information and Broadcasting), ISSN-0971-8400, pp.56-60.

3. **Sharma, N. (2014**). Management of Innovation in SMEs in India: A Barrier Approach. World SME News, (Publication of WASME), ISSN-0973-1261, Issue no-086, pp: 8-14.

4. **Sharma, N. (2014).** Determinants of Innovation: A Study of Small and Medium Enterprises in India. World SME News, (Publication of WASME), ISSN-0973-1261, Issue no-05, pp: 5-14.

5. **Sharma, N.,** Gupta, P. and Sikka, J. (**2012**). An Analytical Review of Organic Food Sector – A Case Study on glimpse and glance. Journal of Spiritual Management, The Spiritual Leader, ISSN: 2277-1751, Volume: 1, Issue: 3, pg 29-39.

Papers published in International Conference/ Symposium/ Workshop Proceedings

6. **Sachdeva, A.** & Khanna, S**.** (2010). "Retail Revolution, the Opportunities and Roadblocks: A South Asian Perspective" in Proceedings of PCMA International Conference on "Business Opportunities and Challenges in South Asia", Ed Kumar, P., Bhalla, A., and Singla V.B, Published by PCMA, Ludhiana, Pp 220-227. ISBN 978-81-910306-0-0.

7. Singh, A.K., & **Sachdeva, A.** (2013). "Work life Balance and Subjective Well Being: A study of select Organizations ", in Proceedings of at the 14th International Conference on 'Ethics, Politics and Civil Society' organized by DSPSR at India Habitat Centre, New Delhi. ISBN no. 978-81-923211-4.

8. Singh, A.K., & **Sachdeva, A.** (2013). "Educationists Work life Balance and Subjective Well Being: A Comparative study in Public and Private Institutes of Higher Education", at the 3rd Biennial International Conference on 'Rethinking Management Theory & Practice in the Present Indian Economic Context' organized by the Indian Academy of Management at IIM Ahmedabad. ISBN number 978-81-920800-2-4.

Papers published in National Conference/ Symposium/ Workshop Proceedings

9. Sharma, N. (2004). National Conference on "Creativity and Intellectual Property Right for Small and Medium Enterprises: Challenges and Prospects". Dr.B.R. Ambedkar University, Agra.

Chapter in Books

10. Singh, A.K., and **Sachdeva, A.** (2014). Impact of work life practices on work life balance, enrichment and life satisfaction: A study among professionals in Banking and other Professional services. Proceedings of National Conference on Mind Management for Management, ed. Mittal, S., Khatri, P., and Jain, S. Bloomsbury Publishing, India, ISBN-978-93-84898-51-9, pp. 29-49.

11. **Kanjlia, A.** (2014). Chapter on "Entrepreneurial Mindset: Innovation and Creativity", in Foundation Course in Business, Entrepreneurship, and Management coordinated by Institute of Life Long Learning , Pearson Publication, pp. 9-18. ISBN: 978-93-325-2005-9

12. Singh, R., **Kanjlia, A.** (2014). Chapter on "Managing Human Resource", in Foundation Course in Business, Entrepreneurship, and Management coordinated by Institute of Life Long Learning , Pearson Publication, pp. 150-159. ISBN: 978-93-325-2005-9

13. Kapoor, S. and **Jain, K.** (2014). Chapter on "Products and Services" in Foundation Course in Business, Entrepreneurship, and Management coordinated by Institute of Life Long Learning , Pearson Publication, ISBN: 978-93-325-2005-9

E-Lessons

14. **Sachdeva Amanjot** (2014), "Learning", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

15. **Mehta Sonu** (2014), "Traditional Theories of Motivation", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

16. **Mehta Sonu** (2014), "Leadership", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

17. **Mehta Sonu** (2014), "Organizational Change", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

18. Thakur N, **Kanjlia Astha** (2014), "Personality", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

19. **Kanjlia Astha** (2014), "Managing Conflict", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

20. **Sharma Nomita** (2014), "Perception and Attribution Process", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

21. **Jain Kangan** (2014), "Contemporary Theories of Motivation", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

22. **Jain Kangan** (2014), "Classification of Costs", e-lesson contributed for Discipline Course in Management Studies under the FYUP for ILLL.

23. Bhasin Niti, **Jain Kangan** (2014), "Issues and Complexities in International Business", Module contributed in e-PG Pathshala, a project by UGC under NMEICT mission of MHRD, Government of India.

24. Singh K. Ajay, **Jain Kangan** (2014), "Management of Change", Module contributed in e-PG Pathshala, a project by UGC under NMEICT mission of MHRD, Government of India.

25. Bhasin Niti, **Jain Kangan** (2014), "Introduction to International Business", Module contributed in e-PG Pathshala, a project by UGC under NMEICT mission of MHRD, Government of India.

26. Bhasin Niti, **Jain Kangan** (2014), "Balance of Payments- Components", Module contributed in e-PG Pathshala, a project by UGC under NMEICT mission of MHRD, Government of India.

27. **Kanjlia Astha** (2014), "Introduction to Sales Promotion", e-lesson contributed in a project by UGC under NMEICT mission of MHRD, Government of India undertaken by ILLL.

28. **Kanjlia Astha** (2014), "Tools of Sales Promotion", e-lesson contributed in a project by UGC under NMEICT mission of MHRD, Government of India undertaken by ILLL.

29. **Kanjlia Astha** (2014), "Evaluation of Sales Promotion", e-lesson contributed in a project by UGC under NMEICT mission of MHRD, Government of India undertaken by ILLL.

30. **Jain Kangan** (2014), "Advertisement Copy", e-lesson contributed in a project by UGC under NMEICT mission of MHRD, Government of India undertaken by ILLL.

31. Agarwal Romila, **Mehta Sonu** (2014), "Setting of Advertisement Objectives", e-lesson contributed in a project by UGC under NMEICT mission of MHRD, Government of India undertaken by ILLL.

32. **Sachdeva Amanjot** (2014), "Managing the Sales Force", e-lesson contributed to ILLL

33. **Sachdeva Amanjot** (2014), "Motivating the Sales Force", e-lesson contributed to ILLL.

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Environmental Sciences

Papers published in International Journals

1. **Geetanjali Sageena**, Shreya Choudhary, Nalini Mishra, Rakesh Roshan & Mallikarjun Shakarad, (2014), Role of Juvenile Environment in pre-adult development and Adult metabolites in Drosophila melanogaster. IJERD 4:361-370

2. Jaya Handa, KT Chandrashekara, Khushboo Kashyap, **Geetanjali Sageena** & Mallikarjun Shakarad (2014), Gender based disruptive selection maintains body size polymorphism in Drosophila melanogaster. J Biosci 39(4) 609–620

3. **Geetanjali Sageena**, Shreya Choudhary, Nalini Mishra, Rakesh Roshan and Mallikarjun Shakarad (2014), Role of Environment on larval growth in Drosophila melanogaster, 2014 IJAER 2014,9:1029-1032. ISSN No. 0973-4562.

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5. **Geetanjali Sageena**, Nalini Mishra, Rakesh Roshan, Shreya Choudhary & Mallikarjun Shakarad, (2014), Standardisation of LD-50: Toxicity study using Paraquat Dichloride in Drosophila melanogaster for various life history traits. Global Sustainability Transitions; Impacts and Innovations. ISBN No. 978-93-83083-77-0, 74-77.

6. **Geetanjali Sageena**, Shreya Choudhary and Mallikarjun Shakarad, (2014), Role of Oxidative Stress Biology in Evolution of life history traits in Drosophila melanogaster. Global Sustainability Transitions; Impacts and Innovations. ISBN No. 978-93-83083-77-0, 78-82.

7. Shreya Choudhary, **Geetanjali Sageena** and Mallikarjun Shakarad, (2014), Polistes Olivaceus: A Potential Biocontrol Agent. Global Sustainability Transitions; Impacts and Innovations. ISBN No. 978-93-83083-77-0, 197-201.

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A2 - Details of Post Doctarate/ PhD/ Ongoing PhD

Table A2- 1: Details of Post Doctarate/ PhD/ Ongoing PhD

S.No.	Faculty Name	Year (Award/ Registration)	Post Doc/PhD/Ongoing Phd, University	Title of Thesis/ Proposed Topic
Department of Business Studies				
1.	Dr. Amanjot Sachdeva	2015	PhD, University of Delhi	Work Life Balance and Life Satisfaction: A study of select Organizations
2.	Mr. Subodh Pandit	June, 2012	Pursuing PhD	Consumption Patterns in India: An Empirical Analysis
Ad-hoc Faculty				
3.	Dr. Nomita Sharma	2012	PhD	Management of Innovation in SMEs in India
Department of Chemistry				
4.	Dr. Mukesh Gupta	2007	PhD, IIT Delhi	'Boat' Cyclohexane and its Structural Consequences
Ad-hoc Faculty				
5.	Dr. Manisha Singla	2009	PhD, University of Delhi	Transition Metal ion Complexes of Polydentate ligands based on Bis and Pentakis Benzimidazole amides
Department of Commerce				
6.	Dr. Shalini Kumar	2012	PhD, University of Delhi	Consolidation and Performance of Indian Banks
7.	Dr. Anju Arora	2010	PhD, University of Delhi	Credit Risk Management of Commercial Banks in India.
8.	Dr. Padmasai Arora	2009	PhD, University of Delhi	Efficiency in Commercial Banks in India from Department of Financial Studies, University of Delhi
9.	Dr. Pradeep Kumar	2005	PhD	Organizational Development and Change in Cement Industry in India
10.	Dr Vipin Negi	2009	Post Doc, Sweden University	Inward FDI of India and Components of FDI from European Union
11.	Dr. VipinNegi	2003	PhD	Changes in International Financial Markets and Its Implication for Developing Countries
12.	Dr. Shalini Devi	2008	PhD, University of Delhi	Exchange Rate determination in Pre and Post Liberalisation periods in India
13.	Dr. Deepak Srivastava	2013	PhD	An Analysis of Retail Sector in India (With reference to foreign direct investment)
Ad-hoc Faculty				
14.	Dr. R S Rajpurohit	2000	PhD	Financial Reporting and Disclosure Policies and Practices [A case study of Nationalized Banks in India]

S.No.	Faculty Name	Year (Award/ Registration)	Post Doc/PhD/Ongoing Phd, University	Title of Thesis/ Proposed Topic
15.	Dr. Renu Kumari	2013	PhD	Impact of Financial Management on Profitability: An Econometric Analysis of Turnaround Strategy Adopted at Bokaro Steel Plant During 2002-03
16.	Ms. Anjalika Solanki	16-Nov-2009	Pursuing PhD	New product adoption behavior: consumer similarities & differences across countries
17.	Ms. Neha Nainwal	25-Oct-2013	Pursuing PhD	A Long Run Study of Financial Development and Economic Growth in India
Department of Computer Science				
18.	Dr. Priti Sehgal	2006	PhD, University of Delhi	Study and Enhancements of Non-Photorealistic Rendering Techniques
19.	Dr. Anjali Thukral	2013	PhD, University of Delhi	Retrieving and organizing web resources semantically for informal e-mentoring
20.	Dr. Roli Bansal	2013	PhD, University of Delhi	Computationally Intelligent Watermarking for Securing Fingerprint Images
21.	Dr Richa Sharma	2013	PhD, University of Delhi	Adaptive Content Sequencing Incorporating Social Opinion in an e-Learning Environment
22.	Dr. Bhavna Gupta	2013	PhD, University of Delhi	Trust-based Multiagent Service Recommender System
23.	Ms. Vinita Jindal	Year of Registration: 2013	Pursuing PhD, University of Delhi	Artificial Intelligence
24.	Mr. Ravi Kumar Yadav	Year of Registration: 2014	Pursuing PhD, University of Delhi	Information Security
Ad-hoc Faculty				
25.	Dr. Sumit Kumar Aggarwal	2014	PhD, University of Delhi	Trust Based Context-Aware Mobile Recommender System
26.	Dr. Namita Aggarwal	2015	PhD, Jawaharlal Nehru University	A Study of Feature Extraction Methods for Classification of Alzheimer's Disease using Brain Magnetic Resonance Imaging
Department of Electronics				
27.	Dr. V.K Sharma	1995	PhD	Fabrication and characterization of LiNbO3 based optical waveguides and their application to Polarizers
28.	Dr. Jagneet Kaur Anand	2002	PhD, University of Delhi	Studies on Broadband Erbium Doped Fiber Amplifiers.
29.	Dr. Jyoti Anand	2014	PhD, University of Delhi	Modeling and Design of Coaxial Fibers for Gain Flattening in Erbium Doped Fibers and Pulse Dispersion Compensation.

S.No.	Faculty Name	Year (Award/ Registration)	Post Doc/PhD/Ongoing Phd, University	Title of Thesis/ Proposed Topic
30.	Dr. Neha Sharma	2008	PhD, University of Delhi	Study of multilayer polymeric optical waveguides for optical devices
Ad-hoc Faculty				
31.	Dr. Neetu Singh	2014	PhD	Fabrication and characterization of ZnO based Quantum Dot sensitized Solar Cells
32.	Dr. Monika Bhattacharya	2014	PhD	Modeling, Simulation and Characterization of Noise in InAlAs/InGaAs Tied-geometry Double-gate High Electron Mobility Transistor for Millimeter wave Applications
33.	Dr. Jyoti Bansal	2014	PhD	Carbon Nanotubes based biosensors
Department of English				
34.	Ms. Manjari Singh	8th Aug 2014	Pursuing PhD	The Cultural Politics of Food: A Study of Select Indian Writings
Department of Mathematics				
35.	Dr. Rubina Mittal	2006	PhD	Interface between Inventory, Marketing and Reliability Theory
36.	Dr. Arpana Sharma	2006	PhD	Generalized InveSxity in Non-Smooth Multiobjective Programming
37.	Dr. Rajni Mendiratta	2015	PhD	Subordination and Radius Problems for Some Classes of Univalent Functions
38.	Dr. Ritu Arora	2003	PhD	Various Aspects of Multi-Level Programming Problems
39.	Dr. Dhanpal Singh	2011	PhD	Some Reliability aids to Non-Markovian Reparable System Models
40.	Mr. Ashish Bansal	23rd January, 2012	Pursuing PhD	Uncertainty Principles
Ad-hoc Faculty				
41.	Ms. Richie Aggarwal	10th March, 2014	Pursuing PhD	Marketing Management and optimization
42.	Ms. Khusboo	7th August, 2012	Pursuing PhD	Cryptographic Hash Function
43.	Ms. Preeti	29th October, 2013	Pursuing PhD	Operator Spaces
Department of Physical Education				
44.	Dr. Surender Singh	2004	PhD, Punjabi University, Patiala	Effect of Different Types of Warm Up on Aahperd Youth Fitness Test
Department of Physics				
45.	Dr. Vijay Verma	1994	PhD, University of Delhi	Fluctuations in Multiparticle Production in 800 GeV proton-emulsion nuclei interactions
46.	Dr. Kanupriya Goswami	2003	PhD, University of Delhi	High Density Matter in Strong Magnetic Field

S.No.	Faculty Name	Year (Award/ Registration)	Post Doc/PhD/Ongoing Phd, University	Title of Thesis/ Proposed Topic
47.	Dr. Anupama	2011	PhD, University of Delhi	Synthesis and Characterization of PZT-Based Ceramics and Films
48.	Dr. Vandana Arora	2005	PhD, University of Delhi	Efimov Effect in Halo Nuclear Three Body Systems and its Manifestation as a Resonance in Scattering State
49.	Dr. Divya Haridas	2011	PhD, University of Delhi	Studies on SnO_2 thin film gas sensor for LPG & Methane
50.	Dr. Jasmeet Singh	2012	PhD, University of Delhi	Electron- Molecule Scattering
Ad-hoc Faculty				
51.	Dr. Smita Korpal	2007	PhD, Dr. B.R. Ambedkar University	Study of Melting of Solids Under High Pressure
52.	Dr. Neeru Sahdev	2013	PhD, University of Delhi	Cobalt Based Hard Magnetic Nano structures
53.	Mr. Gyanendra Singh	2015	PhD Thesis Submitted, IIT Delhi	Optical Interferometric and spectroscopic studies of flexible substrate and its applications
54.	Ms. Rekha	2014	PhD Thesis Submitted, University of Delhi	Thermal and Dense Electronic Excitation Induced Phase Transformations in Iron-Platinum Magnetic Multilayer
55.	Mr. Sintu Kumar	27th Nov. 2013	Pursuing PhD, IIT Delhi	Laser Plasma Interaction
Department of Psychology				
56.	Dr. Dimpy Mahanta	2009	PhD, University of Delhi	Predictors of Occupational stress in Multinational companies of India
57.	Dr. Daisy Sharma	2013	PhD, Guru Nanak Dev University, Amritsar	A study of identity formation, attachments and adjustment in adolescents
58.	Dr. Harpreet Bhatia	1991	PhD, University of Delhi	Impact of Rehabilitation Programme on Social Adjustment and Family environment of Schizophrenics
Ad-hoc Faculty				
59.	Dr. Reema Malhotra	2015	PhD, University of Delhi	Identity Processes of the Youth in an Addictive Engagement with Cyberspace: A Psychoanalytic Exploration
60.	Dr. Vandana Gambhir Chopra	2015	PhD, University of Delhi	Interactive Effects of Emotional Competence, Work Engagement and Personality at Workplace
61.	Ms. Kavita	Pursuing	PhD, University of Delhi	Psycho-Social Experiences of Adolescents with Cerebral Palsy-Implications to Growth and Adaptation
62.	Dr. Jyoti	2013	PhD, University of	Construction of meaning in social

S.No.	Faculty Name	Year (Award/ Registration)	Post Doc/PhD/Ongoing Phd, University	Title of Thesis/ Proposed Topic
			Delhi	interaction: A developmental study on explanations of behavior.
Environmental Sciences				
63.	Ms. Geetanjali Sageena (Ad-hoc Faculty)	2015	PhD (Thesis submitted), University of Delhi	The Role of Energy in Oxidative Stress Tolerance Induced by $FeSO_4$, $CdCl_2$ and Paraquat in Drosophila melanogaster selected for divergent traits

B1 - Students' Achievements

Table B1-1: Students' Achievements in Extra-Curricular Activities

Society	Activity	Description of Activity	Level	Position	No. of Students
		2014-15			
Shades	Street Play	NOKIA LUMIA 1020 TAMASHA, Nokia V India Fest	National	II	8
Shades	Nukkad Natak	Pearl Utsav'14	Inter College	Participation	7
Shades	Nukkad Natak	Pearl Utsav'14	Inter University	Participation	1
Shades	Street Play	Navjyoti India Foundation	Inter University	Participation	10
Shades	Street Play	Manthan, An Annual Street Theatre Festival	Inter University	Participation	3
Maniara	Rangoli Competition	Anjali-Rangoli Competition, Janaki Devi Memorial College	Inter College	III	2
Maniara	Rangoli Competition	Rangoli Competition by Gargi College	Inter College	I	2
Maniara	Rangoli Competition	Anjali-Rangoli Competition, Janaki Devi Memorial College	Inter College	II	2
Maniara	Rangoli	Delhi Institute of Advanced Studies	Inter University	I	1
Advaita	Group Dance	Bhartiya Vidya Bhawan's Usha & Lakshmi Institute of Management New Delhi	Inter University	I	2
Advaita	Jazz up the floor	JIMS, Rohini Delhi	Inter University	I	2
Advaita	Group Dance	Delhi Institute of Advanced Studies	Inter University	I	2
Advaita	Group Dance	Revoluzione'14	Inter University	I	2
Advaita	Group Dance	Fortune Insitute of International Business (FIIB), New Delhi	Inter University	II	2
Advaita	Group Dance	FERIA 2014, Institute of Home Economics	Inter College	III	1
Advaita	Group Dance	Symbiosis Centre for Management Studies, Noida	Inter University	I	1
Anhad	Rock Band	Antardhvani	Inter-College	II	1
Vagmita	Hindi Creative Writing	Maitreyi college	Inter-College	II	1
Vagmita	Hindi Creative Writing	Maitreyi college	Inter-College	I	1
Shades	Street Play - KAR-MAA	IIT Bombay, MOOD Indigo - Delhi Prelims	State	Amongst top 8 teams	7

Society	Activity	Description of Activity	Level	Position	No. of Students
Shades	Street Play - KAR-MAA	IIT Bombay, MOOD Indigo - Finals - Mumbai	National	I	19
Vagmita	Arz Kia Hai	MOOD INDIGO, 2014, IIT Bombay	National	I	1
Vagmita	Arz Kia Hai	MOOD INDIGO, 2014, IIT Bombay	National	III	1
Shades	Street Play - KAR-MAA	IILM, Lodhi Road	Inter University	II	7
Shades	Street Play - KAR-MAA	Ambedkar University	Inter University	III	7
Shades	Street Play - KAR-MAA	Sahitya Kala Parishad, Mahavidyalaya Natya Samaroh, Best Production	National	I	7
Shades	Street Play - KAR-MAA	NOKIA India Fest- Delhi Zonals	State	II	7
Advaita	Group Dance	Delhi Institute of Advanced Studies	Inter University	Certificate of Merit	1
Advaita	Group Dance	Revoluzione	Inter University	I	2
Advaita	Stepup Group Dance	FIIB (Fortune Institute of International Business)	Inter University	II	2
Advaita	Group Dance	Usha & Lakshmi Mittal Institute of Management	Inter University	I	2
Advaita	Group Dance	Institute Of Home Economics	Inter College	III	2
Advaita	Jazz up the floor	JIMS	Inter University	I	1
Advaita	Group Dance	Symboisis Centre for Management Studies, NOIDA	Inter University	I	1
Advaita	Thirkan (Group)	Asia Pacific Institute of Management, New Delhi	Inter University	Consolation	1
Vagmita	Kavya Goshthi (Solo)	Vivekananda College	Inter College	II	1
Vagmita	Kavya Mela (Poetry, recitation)	Sri Guru Nanak Dev Khalsa College	Inter College	I	1
Vagmita	Kavya Mela (Poetry, recitation)	Sri Guru Nanak Dev Khalsa College	Inter College	II	1
Vagmita	Hindi Swarachit (Poetry)	Sri Venketeswara College	Inter College	II	1
Advaita	Thirkan (Group)	Asia Pacific Institute of Management, New Delhi	Inter University	Consolation	2
Advaita	Group dance	Revoluzione'14	Inter University	I	7
Advaita	Group dance (Step up)	Fortune Institute of International Business (FIIB)	Inter University	II	8
Advaita	Group dance	BULMIM	Inter	I	8

Society	Activity	Description of Activity	Level	Position	No. of Students
			University		
Advaita	Group dance (Step up)	Institute of Home Economics	Inter College	III	7
Advaita	Jazz up the floor	Verve 2k13 Annual Intercollege Techno Management Cultural Fest	Inter University	I	8
Advaita	Group dance	Symboisis Centre For Management Studies, Noida	Inter University	I	4
Advaita	Thirkan (Group)	Asia Pacific Institute of Management New Delhi	Inter University	Consolation	3
Advaita	Solo dance	Symboisis Centre for Management Studies, Noida	Inter University	I	1
Maniara	Trash Fashion	Delhi college of Arts and Commerce	Inter College	I	3
Maniara	Oekaki (Drawing)	Odyssey 15,IIIT Delhi	National	II	4
Maniara	Artival	Odyssey 15,IIIT Delhi	National	I	5
Maniara	Mask-ermind	Odyssey 15,IIIT Delhi	National	II	2
Maniara	Catoonista	Odyssey 15,IIIT Delhi	National	II	3
Maniara	Best out of Waste	PULSE 2014, AIIMS	Inter University	I	
Maniara	Best out of Waste	PULSE 2014, AIIMS	Inter University	III	5
Maniara	Ad Making Competition	PULSE 2014, AIIMS	Inter University	I	4
Advaita	Street Dance	PULSE 2014, AIIMS	Inter University	I	1
Shades	Street Play, Munadi Natya Pratiyogita	Janki Devi Memorial College	Inter College	II	17
Maniara	Face Painting	Janki Devi Memorial College	Inter College	II	2
Maniara	Rangoli Competition	ANJALI, Janki Devi Memorial College	Inter-College	II	1
Maniara	Wasteo Mania	Maitreyi college	Inter College	I	2
Maniara	Rangoli	Delhi Instuitute of Advanced Studies	Inter University	I	2
Maniara	Collage Making	JIMS, Rohini	Inter University	III	2
Shades	Street Play, Manthan'15	Manthan'15	National	Participation	17
Shades	Street Play	IIT Kanpur	National	Participation	1
Shades	Street Play	UN Information Centre for India and Bhutan	National	Participation	8
Shades	Street Play	Sahitya Kala Parishad, Govt. Of NCT OF Delhi	National	Participation	20

Society	Activity	Description of Activity	Level	Position	No. of Students
Anhad	Battle of Bands	THOMSO,IIT Roorkee	Inter University	II	4
Advaita	Star Dancers	Renaissance, BVIMR	State	Certificate of Appreciation	10
Advaita	Footloose	Aalekhya-Tips, Dwarka	State	I	5
Advaita	Group Dance	Jamia Millia Islamia	State	I	13
Advaita	Group Dance	Corona, BPIT	State	II	11
Advaita	Group Dance	Navrang- Bhagini Nivedita College	State	III	11
Advaita	Dance Competiton	DDL Academy	State	III	11
Advaita	Dance Competiton	The Cultural Council	National	Certificate of Appreciation	1
Advaita	Solo Dance	XTASY, B.V.C.O.E	State	I	1
Advaita	Footloose-Solo Dance	Verve, JIIMS	State	II	1
Advaita	Thirak- Solo Indian Classical	Mata Sundari College For Women	Inter-College	I	1
Advaita	Solo Dance	IILM	State	I	1
Vagmita	Debate Competition	Maharaja Agrasen College	Inter College	Participation	1
Advaita	Tryst, Epigram (Dance)	Keshav Mahavidyalaya	Inter College	II	1
Vagmita	Debate Competition	SRCC	Inter College	I	1
Vagmita	Just A Minute	Channel-V	National	I	1
Advaita	Spin-A-Yarn, Expressions Fest	Kamala Nehru College	Inter College	I	1
Vagmita	Self Composed Poetry	Aaghaz, P.G.D.A.V	Inter College	III	1
Vagmita	Hindi Poetry Competition	Josh, Ramanujan College	Inter College	II	1
Vagmita	Kavi-Sammelan	Eloquencee, BPIT	State	I	1
Vagmita	Hindi Swarachit Poetry	Venkateshwara College	Inter College	II	1
Vagmita	Sifar Se Shikhar Tak	Shatiya, DTU	National	Certificate of Appreciation	3
Vagmita	Kavi Hun Mein	SRCC	Inter College	Certificate of Appreciation	1
Vagmita	Extompare	Elexonia, Keshav	Inter College	II	1

Society	Activity	Description of Activity	Level	Position	No. of Students
		Mahavidyalaya			
Vagmita	Declamation	J.R Media Institute	National	Certificate of Appreciation	1
Vagmita	Debate Competition	Miranda College	Inter College	II	1
Vagmita	Debate Competition- World War Ii	Sri Guru Gobind Singh College Of Commerce	Inter College	Certificate of Appreciation	1
Vagmita	Debate, Stockathon	Motilal College	Inter College	II	1
Advaita	Transcendence	Fenestra, Keshav Mahavidyalaya	Inter College	II	1
Vagmita	Kahani Buno	SRCC	Inter College	Certificate of Appreciation	1
Vagmita	Kavyanjali	Lady Shri Ram College For Women	Inter College	I	1
Advaita	Footloose	Thomso'14, IIT Roorkee	National	Participation	9
Advaita	Street Dance	PULSE 2014, AIIMS	National	I	1
Vagmita	Kaavya Mela	Sri Guru Nank Dev Khalsa College	Inter College	II	1
Shades	SNMNN	Ramanujan College	Inter College	II	16
Shades	Manthan, Street Play	India Largest Street Play Festival	National	Certificate of Appreciation	1
Shades	street play	ifest, IILM, Gurgaon	Inter College	Certificate of Appreciation	13
Shades	Halla bol	AUDACITY	Inter College	III	14
Shades	street play	ifest, IILM, Lodhi Road	Inter College	II	13
Anhad	Battle Of Bands	THOMSO14, IIT ROORKEE	National	II	1
Advaita	Footloose	Thomso14, Iit Roorkee	National	Participation	9
Vagmita	Kavi Hun Mein	Spandan '15 , SRCC	Inter College	III	1
Vagmita	1 Min To Fame	Vivekanand Institute Of Professional Studies	State	II	1
Vagmita	Debate	Maietryi College	Inter College	I	1
Maniara	Newspaper Dress	AADYA, Delhi College Of Arts And Commerce	Inter College	I	2
Shades	street Play- Shor	Aaghaz, PGDAV	Inter College	II	17
Shades	Street Play	Institute of Home Economics	Inter College	I	17
Vagmita	Poetry Recitation	Kavi Hun Main, SRCC	Inter College	I	1
Vagmita	Kalam Se	SRCC	Inter College	Participation	1

Society	Activity	Description of Activity	Level	Position	No. of Students
Vagmita	Creative Writing	Aagaz, PGDAV	Inter College	I	1
2013-14					
Society	Activity	Description of Activity	Level	Position	No. of Students
Advaita	Group dance (Synergy-2013)	Apeejay School of management, Dwarika, New Delhi	Inter University	Appreciation Certificate	3
Advaita	Solo dance	IIM Ahemdabad	National	Participation certificate	1
Advaita	Group dance-Advaitaa	Tecnia Institute of Advanced Studies	Inter University	I	7
Advaita	Group dance	Verve 2K13 Annual intercollege techno management cultural FEST	Inter University	III	5
Advaita	Group Dance (Choreo)	IIM Ahemdabad	National	Participation certificate	7
Advaita	Group Dance (Synergy-2013)	Apeejay School of Management, Dwarka, New Delhi	Inter University	I	1
Advaita	Group Dance	Apeejay School of Management, Dwarka, New Delhi	Inter University	I	1
Advaita	Group Dance (Advaitaa)	Technia Institute of Advanced Studies	Inter University	I	2
Advaita	Group Dance (Choreo)	IIM Ahemdabad	National	Participation	3
Advaita	Informals - Dance	IIM Ahemdabad	National	Participation	1
Advaita	Group Dance	JIMS	Inter University	III	1
Shades	Street Play - HAQ HAI	Apeejay Institute of Management	Inter University	I	7
Shades	Street Play - HAQ HAI	Maharaja Surajmal Institute of Management	Inter University	II	7
Shades	Street Play - HAQ HAI	NOKIA India Fest- Delhi Zonals	National	I	7
Vagmita	Poetry Recitation	Bhagwan Parshuram Institute of Technology (BPIT)	Inter University	II	1
Vagmita	Kavi Sammelan	FLEDGELING organized by KMV	Inter-College	II	1
Vagmita	Talent Unlimited-poetry	JIMS	Inter University	Certification of Merit	1
Vagmita	Original Poetry	Antardhvani	Inter College	Certification of Merit	1
Shades	Street Play(SYNER	Apeejay Schcool of Management	Inter University	I	1

Society	Activity	Description of Activity	Level	Position	No. of Students
	GY-2013)				
Advaita	Solo dance	IIM Ahemdabad	National	II	1
Advaita	Group Dance (Synergy-2013)	Apeejay School of Management	Inter University	I	1
Advaita	Group Dance - Advaitta	Technia Institute of Advanced Studies	Inter University	I	1
Advaita	Group Dance (Choreo)	IIM Ahemdabad	National	Participation Certificate	2
Anhad	Choir Competition	The Cultural Council	National	Participation	3
Maniara	Rangoli (Synergy-2013)	Apeejay School of Management	Inter University	I	2
Maniara	Media Fest-Varchsav (Rangoli)	Technia Institute of Advanced Stduies (G.G.S.I.P.U)	Inter University	II	2
Anhad	Rock Band	Antardhvani, University of Delhi	Inter College	II	4
Maniara	Best out of Waste	TRYST, Keshav Mahavidyalaya	Inter College	II	1
Maniara	Rangoli	BLITZKRIEG, Keshav Mahavidyalaya	Inter College	I	2
Maniara	Rangoli	Gargi College	Inter College	I	1
Shades	Street Play	Pearl Academy	Inter College	Participation	9
Shades	Street Play	IIM Ahemdabad	National	I	1
Shades	Street Play	Team Work and Tehelka Foundation	Inter College	II	10
Maniara	Media Fest-Varchsav (Rangoli)	Technia Institute of Advanced Stduies (G.G.S.I.P.U)	Inter University	III	Group
Maniara	Media Fest-Varchsav (Rangoli)	Technia Institute of Advanced Stduies (G.G.S.I.P.U)	Inter University	II	Group
Vagmita	1 Min To Fame - Vagmita	Vivekanand Institute Of Professional Studies	State	I	1
Miscellaneous	Mr And Ms Chaos -	Chaos 2013,IIM Ahemdabad	National	Certificate of Appreciation	1
Vagmita	Pen Yourself	Sri Guru Nanak Dev Khalsa College	Inter College	I	1
Vagmita	Creative Writing	Splendour, Ram Lal Anand(D)	Inter College	I	1
Vagmita	Hindi CREATIVE WRITING	Rhapsody 2014, Maitreyi College	Inter College	II	1

Society	Activity	Description of Activity	Level	Position	No. of Students
Maniara	Rangoli Competition	Rangoli Competition held in Shivaji College	Inter College	I	2
Maniara	Rangoli Competition	Rangoli Competition, Kirori Mal College	Inter College	II	1
Vagmita	Hindi Creative Writing	Maitreyi college (RHAPSODY-2014)	Inter College	I	1
Vagmita	Poetry Recitation	Ram Lal Anand College	Inter College	I	1
Vagmita	Creative Writing	Ram Lal Anand College	Inter College	I	1
Vagmita	Debate	Vivekanand Institute Of Professional Studies	State	II	1
Vagmita	Debate	Dyal Singh College	Inter College	III	1
Vagmita	Creative Writing (Inkhead)	Abhivyakti 2014Motil Lal Nehru College	Inter College	II	1
Vagmita	Debate	St. Stephen's College	Inter College	Participation	1
Maniara	Corporate Rangoli	FLEDGELING organized by KMV	Ìnter College	Certificate of Appreciation	1
Shades	Aaagazh - Street Play	MOOD Indigo	National	I	12
Vagmita	Debate	Eloquence 13, BPIT	Inter College	I	1
Vagmita	Debate	Sri Guru Nanak Dev Khalsa College	Inter College	III	1
Shades	AD MAD	ELEXONIA 2014, Keshav Mahavidyalaya	Inter College	I	1
Shades	AD MAD	ELEXONIA 2014, Keshav Mahavidyalaya	Inter College	III	1
Vagmita	JAM Competition	ELEXONIA2014, Keshav Mahavidyalaya	Inter College	II	1
Vagmita	Debate	Rajnidhandha 2014, Dyal Singh €College	Inter College	Best Interjector	1
Vagmita	Debate	Eloquence 13, BPIT	Inter College	III	1
Shades	Street Play	Made In India, Dilli Haat	Inter College	Certificate of Appreciataion	11
Shades	Street Play	Manthan'14	Inter College	Certificate of Appreciataion	11
2012-13					
Society	Activity	Description of Activity	Level	Position	No. of Students
Advaita	Western Music	Pallavi Annual Winter Festival	Inter University	Excellent Performance	1
Vagmita	Debate Competition	VAKTAVYA', Sri Guru Gobind College of Commerce	Inter-College	I	1
Vagmita	Original Poetry	Antardhvani	Inter College	Participation Certificate	1

Society	Activity	Description of Activity	Level	Position	No. of Students
Maniara	Rangoli	BLITZKRIEG, Keshav Mahavidyalaya	Inter College	I	1
Vagmita	(Kavyanjali)	Lady Shri Ram College for Women	Inter-College	IV	1
Shades	Dramatics	CHAOS 2013, IIM Ahmedabad	National	I	1
Vagmita	Debate Competition	Euphoria 2013, Janki Devi Memorial College	Inter College	III	1
Advaita	Solo Dance	Chaos 2013, IIM Ahmedabad	National	Participation	1
Advaita	Group Dance	Chaos 2013, IIM Ahmedabad	National	Participation	1
Vagmita	Treasure Hunt	Chaos 2013, IIM Ahmedabad	National	Ii	1
Shades	Street Play	ANTARAGNI, IIT Kanpur	National	Participation	12
Shades	AD-MAD Competition	COMTALK-2013, Janki Devi Memorial College	Inter College	I	1
2011-12					
Society	Activity	Description of Activity	Level	Position	No. of Students
Shades	Nukkad Natak (Manthan)	A festival of Inter College Competitions	Inter University	Participation	1
Shades	Street Play	Indian Institute of Management (IIM) , Ahemdabad CHAOS-2012	National	Participation	1

Table B1-2: Outstanding achievement of students in the field of sports

Year	Game	Level	Position	No. of Students
2010-11	Football	Inter-college	III	16
	Cricket	Inter-College	Participation	18
2011-12	Net Ball	Inter University	Participation	5
	Netball	Inter College	Participation	12
	Netball	Delhi State	Participation	12
	Korfball	National	Participation	1
	Athletics (Decathlon)	Inter College	IV	1
	Basket Ball	Inter College	Participation	12
	Korfball	Inter College	Participation	12
	Table Tennis	Inter College	Participation	4
	Chess	Inter College	Participation	1
	Football	Inter College	Participation	16
	Cricket	Inter College	Participation	18

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Year	Game	Level	Position	No. of Students
2012-13	Net Ball	Inter University	Participation	4
	Swimming 100 mt B Stroke	Inter College	II	1
	Swimming 50 mt B Stroke	Inter College	III	1
	Swimming 200 mt B Stroke	Inter College	III	1
	Korfball	Inter University	Participation	1
	Netball	Jr. National Championship	Participation	1
	Net Ball	Jr. National Championship	Participation	1
	Korfball	Jr. National Championship	Participation	1
	Netball	Inter College	II	12
2013-14	Netball	Inter University	III	5
	Baseball	Inter University	II	1
	Taekawando	Inter College	II	1
	Athletics	Delhi State	II	1
	Korfball	Inter University	II	2
	Swimming 50 mt. Breast Stroke Event	Inter College	III	1
	Netball	Sr. National Championship	Participation	2
	Net Ball	Inter College	I	12
2014-15	Net Ball	Inter University	Participation	4
	Ball Badminton	Inter University	Participation	1
	Nat Ball	Inter College	I	12
	Taekawando	Inter College	II	1
	Taekawando	National	Participation	1
	Net Ball	Sr. National	Participation	1
	Swimming 50 mt. B Stroke	Inter College	III	1

B2 - Trends of Placement for Past Four Years

Table B2- 1: Placement Record for the Academic Session 2013-14

S. No.	Name of the student	Name of the Organisation
1.	Aditya Kumar	Capital IQ
2.	Aayush Arora	WeirdLogics
3.	Anuj Datta	WeirdLogics
4.	Baljeet Kaur	Shabad Foundation(A Word A Thought)
5.	Kanika Arora	99acres.com
6.	Mayank Jain	WeirdLogics
7.	Nishant Mittal	Capital IQ
8.	Prashaant Kalra	Protiviti Consulting
9.	Pritish Pallaw	TATA Capital
10.	Rashika Nagar	McKinsey Knowledge Centre
11.	Sahil Dewan	Dewan Holidays
12.	Sahil Banga	Capital IQ
13.	Vatsal Sethi	WeirdLogics

Table B2- 2: Placement Record for the Academic Session 2012-13

S. No.	Name of the Student	Name of the Organisation
1.	Akansha Bhardwaj	KPMG
2.	Akshit Mittal	Libsys
3.	Cheena Pasrija	Weird Logics
4.	Das Jasdev Singh	Smart Cube
5.	LitikaSachdeva	KPMG
6.	Manya Jain	Weird Logics
7.	Martina Dubey	TATA Power
8.	Nikita Ojha	Libsys
9.	Pallavi Chopra	CRISIL
10.	Prashast Gupta	CEB
11.	Prerna Aggarwal	Libsys
12.	Rishab Kant	Capital IQ
13.	Shipra Gupta	Libsys
14.	Sahil Khanna	HUL

Table B2- 3: Placement Record for the Academic Session 2011-12

S. No.	Name of the student	Name of the Organisation
1.	Aakash Kashyap	TAM India
2.	Aanchal Bhatia	Attero Recycling
3.	Abhijit Rajput	Capital IQ
4.	Akshay Rajput	Central Bank of India
5.	Aman Maggu	Trident Industries
6.	Ankit Kawatra	CEB

7.	Archit Jindal	SumanglamImpexPvt. Ltd.
8.	Arihant Arora	Capital IQ
9.	GurneetKaur	Yebhi.com
10.	Mohit Singhal	Tata Capital
11.	Rasneet Kaur	Capital IQ
12.	Sakshi Malik	Protivity Consulting
13.	Shaily Agarwal	Capital IQ
14.	Udit Gupta	Smartcube
15.	Vaibhav Gupta	Smartcube

Table B2- 4: Placement Record for the Academic Session 2010-11

S.No.	Name of the student	Name of the Organisation
1.	Aakriti Gupta	Protiviti Consulting
2.	Mohammad Taroq	Protiviti Consulting
3.	Paras Sharma	Protiviti Consulting
4.	Richa Goel	Capital IQ
5.	Tejas Singh	GRAIL Research
6.	Tripesh Sakhuja	Capital IQ
7.	Vishesh Jain	Protiviti Consulting

C1 - Admissions under Various Categories

Table C1- 1: Minimum eligibility for Admissions in various Courses

S.No.	Courses	Minimum Percentage	Specific Requirements
1.	B.Com(H)	An aggregate 45% marks in the qualifying examination.	--
2.	B.A.(H) Psychology	An aggregate 45% marks in the qualifying examination.	--
3.	B.Sc. (H) Maths	50% marks in mathematics and an aggregate of 45% marks in the qualifying examination.	The merit shall be determined on the basis of one language, mathematics under academic stream and two best elective subjects.
4.	B.Sc Mathematical Science	An aggregate 40% marks in the qualifying examination.	The merit shall be determined on the basis of one language, and three best elective subjects.
5.	B.Sc (H) Physics	Subject required: Physics, Chemistry and Mathematics. The overall percentage in above three subjects should be 55% and one compulsory language should be 50%.	Selection will be made on the basis of marks in the aggregate of three science subjects as mentioned in minimum percentage column.
6.	B.Sc (H) Electronics	Subject required: Physics, Chemistry and Mathematics. The overall percentage in above three subjects should be 55% and one compulsory language should be 50%.	Selection will be made on the basis of marks in the aggregate of three science subjects as mentioned in minimum percentage column.
7.	B.Sc(H) Computer Science	Mathematics, one language and two other subjects listed as academic subjects. • 60% or more marks in mathematics. • 55% or more marks in aggregate of four subjects including mathematics, one language and two other subjects listed as academic subjects by the • respective boards.	The admission would be based on the aggregate of marks scored (class XII) in the best three academic subjects including mathematics.
8.	B.Sc Physical Sciences Computer Science	Physics,Chemistry/Computer Science, Mathematics	45% or more marks in the aggregate of three subjects as mentioned above. The overall percentage in three subjects should be 45% and one compulsory language should be 40%

7/26

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI-110 002.

F.8-62/99 (CPP-I)   May, 2000

The Registrar,   **2 5 MAY 2000**
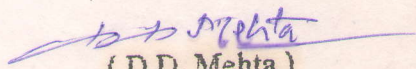University of Delhi,
Delhi-110 007.

Sub:-   List of Colleges prepared under Section- 2(f) and 12-B of the UGC Act, 1956-
        Inclusion of New Colleges.

Sir,

        I am directed to refer to your letter No. CB-II/2000/10 (72) dated 3/8-3-2000
on the above subject and to say that the name of the following College has been
included in the above list under constituent Colleges teaching upto Bachelor's
Degree:-

Name of the College	Year of Establishment	Remarks
Keshav Mahavidyalaya, Keshav Puram, Delhi-110 035. (Dr. K.P. Chinda)	1994	The College is eligible to receive Central assistance in terms of the rules framed under Section-12-(B) of the UGC Act, 1956.

                                        Yours faithfully,

                                        (D.D. Mehta)
                                        Under Secretary

Copy forwarded to:-

1. The Principal, Keshav Mahavidyalaya, Keshav Puram, Delhi-110 035.
2. The Secretary, Government of India, Ministry of Human Resource Development,
    Department of Education, T-14 Section, Shastri Bhawan, New Delhi-110 001.
3. The Joint Secretary, DU/CU Section, UGC
4. All Sections, U.G.C.
5. Section Officer (FD-III Section) UGC, New Delhi.
6. D.T.P. Cell, U.G.C., New Delhi.
7. Guard file.

                                        (C.P. Arora)
                                        Section Officer

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 00
Phone: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.or

F. No. AICTE/NWRO/DU Colleges/KM /1-2557931941/2013-14   Date: 29/04/2015

To,

The Vice Chancellor
University of Delhi
University of Enclave
Delhi - 110007

Sub: Letter of Special Approval for the Technical courses run by colleges affiliated to University of Delhi for the academic year 2013-14.

Ref: MHRD letter No. 20-2/2015 TS-II dated 16-02-2015

Sir/Madam,

University of Delhi has changed the duration of all Degree Courses from 3 years to 4 years in the A/Y 2013-14. The duration has again been rolled back to 3 years on the direction of UGC. The duration of B. Tech Programme has however been retained to 4 Years. Further, the approval of AICTE for the 4 Year B. Tech Programme has not been obtained by these institutions. With a view to streamline this, UGC has issued guidelines to University of Delhi vide letter No. 43-10/2013(CU dated 29/06/2014 and University of Delhi forwarded the UGC guidelines to all its colleges for necessary action.

Further, MHRD vide letter No. 20-2/2015 TS-II dated 16-02-2015 has informed that the matter regarding approval of 4 year B. Tech Programmes under the colleges of University of Delhi has been examined in the Ministry. In the light of MHRD directions under clause 20 (I), chapter 4 of AICTE Act, 1987 and the subsequent approval of E.C. in its meeting held on 07/04/2015 and Council Meeting held on 09/04/2015 and 27-04-2015, I am directed to convey the onetime special approval to

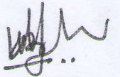| Regional Office	NWRO, Chandigarh	Application Id	1-2557931941
Name of the Institute	KESHAV MAHAVIDYALAYA,	Institute Address	(UNIVERSITY OF DELHI) H-4-5 ZONE, PITAMPURA, DELHI-110034
Institute Type	Government aided		

to conduct following courses with the intake indicated below for the academic year 2013-2014

S. No.	Programme	Shift	Level	Course	Full / Part Time	Affiliating Body	Intake for 2013-14 as certified by University of Delhi	PIO	NRI
1	ENGINEERING AND TECHNOLOGY	Ist Shift	UG	COMPUTER SCIENCE	Full Time	University Of Delhi	104	NA	NA
2	ENGINEERING AND TECHNOLOGY	Ist Shift	UG	ELECTRONICS	Full Time	University Of Delhi	53	NA	NA

Application Id : 1-2557931941

All Institutions shall fulfill the following general conditions:

1. The Institution shall not conduct any course(s) in the field of technical education in the same premises / campus and / or in the name of the Institution without prior permission / approval of AICTE. If found so, appropriate action as per the notified regulations shall be initiated against the Institution.

2. The institution shall operate only from the approved location, and that the institution shall not open any off campus study centers / extension centers directly or in collaboration with any other institution / university / organization for the purpose of imparting technical education without obtaining prior approval from the AICTE. If found so, appropriate action as per the notified regulations shall be initiated against the Institution.

3. The tuition and other fees shall be charged as prescribed by the Competent Authority of the University of Delhi within the overall criteria prescribed by the Council from time to time. No capitation fee shall be charged from the students / guardians of students in any form. If found so, appropriate action as per the notified regulations shall be initiated against the Institution by the Competent Authority of the University of Delhi .

4. The teaching and other staff appointed for the course shall fulfill the qualifications and experience prescribed by the Council from time to time and pay scales are as per the norms prescribed by the Council from time to time.

5. It shall be mandatory for the institution to maintain a Website providing the prescribed information. The Website information must be continuously updated as and when changes take place.

6. It is open for the Competent Authority of the University of Delhi to carry out random inspections round the year for verifying the status of the Institutions to ensure maintenance of norms and standards.

7. The Institution by virtue of the approval given by the Council shall not automatically become claimant to any grant-in-aid from the Central or State Government.

8. The Institute shall take appropriate measures for prevention of ragging in any form, in the light of AICTE regulation "Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to Universities imparting technical education" Regulation 2009 (F.No. 37-3/Legal/AICTE/2009 dated 01/07/2009). In case of failure to prevent the instances of ragging by the Institutions, appropriate action as per the notified regulations will be taken.

9. This is a "One time approval" given to the institute for the batch admitted in 2013-14 only and will not be valid for any other technical course without prior approval of the Council.

10. The institute shall submit compliance report of the affidavit regarding the deficiencies existing in the institution within the time duration, failing which, appropriate disciplinary action will be taken.

The Management of the Institute shall strictly follow further conditions as may be specified by the Council from time to time. The Competent Authority of the University of Delhi will monitor the Academic Progress and also other administrative matters from time to time and any violation of the above conditions and / or non- adherence to the norms and standards prescribed by the Council, mis-representation of facts and submitting factually in correct information will be liable for penal action

Dr P.B. Ullagaddi
Advisor-II (Approval Bureau)

Copy to:

1. **The Regional Officer,**
   Plot No. 1A, 5th Floor, DTE(Pb..) Building,
   Dakshin Mark, Sector 36-A, Chandigarh-160 036

2. **The Secretary to GoI**
   Higher Education, MHRD, Shastri Bhawan, New Delhi

3. **The Director Of Technical Education,**
   (Higher & Technical Education)
   Muni Maya Ram Marg,
   Pitam pura, ,
   Near T V. Tower, Delhi-110088

4. **The Registrar, University of Delhi** to submit an undertaking stating that the syllabus of the B. Tech courses under the Four Year Undergraduate Programme introduced by it in the AY 2013-14 is at par to the curriculum imparted in AICTE approved institutions. Further the University shall have periodic review of the academic progress in respect of courses under intimation to the Council.

5. **The Principal / Director,**
   Keshav Mahavidyalaya, (University of Delhi)
   H-4-5 zone, Pitampura,
   Delhi-110034

6. **Guard File(AICTE)**

संदर्भ सं..

Ref. No.....kmv.)f-3|78|2015|128

दिनांक ....

Date ....23-4-2015.

The Chairman
AICTE
AICTE Headquarter
7th Floor, Chanderlok Building,
Janpath, New Delhi - 110001

Sub: **Submission of Affidavit for grant of approval for two B.Tech Courses at Keshav Mahavidyalaya (University of Delhi), Pitam Pura, Delhi**

Respected Sir/Madam,

This is in reference to an email dated 09.04.2015 from North-West Region (Approval Bureau), AICTE, New Delhi and letter dated 20.04.2015 received from office of the Assistant Registrar (Colleges-NT) , University of Delhi on the subject cited above.

As desired, I am sending herewith an Affidavit duly attested by Notary for your information and further necessary action.

Thanking you and with regards,
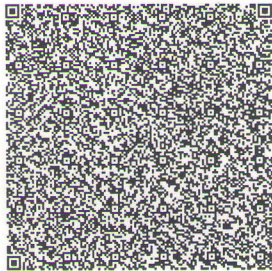
(Dr. Madhu Pruthi)
Principal

Encl: As above

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No.	:	IN-DL90763211246160N
Certificate Issued Date	:	10-Apr-2015 10:52 AM
Account Reference	:	IMPACC (IV)/ dl854303/ DELHI/ DL-DLH
Unique Doc. Reference	:	SUBIN-DLDL85430378584919778718N
Purchased by	:	THE PRINCIPAL KESHAV MAHAVIDYALAYA
Description of Document	:	Article Others
Property Description	:	Not Applicable
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	THE PRINCIPAL KESHAV MAHAVIDYALAYA
Second Party	:	Not Applicable
Stamp Duty Paid By	:	THE PRINCIPAL KESHAV MAHAVIDYALAYA
Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

.........................Please write or type below this line.........................

I, Dr. Madhu Pruthi, Principal, Keshav Mahavidyalaya, University of Delhi , H-4-5 Zone   Pitam Pura, Delhi-34, D/o Sh. Prithvi Raj, aged 53 years and, resident of B-501, Kedar Apartment,Sector-9, Rohini, Delhi-110085.
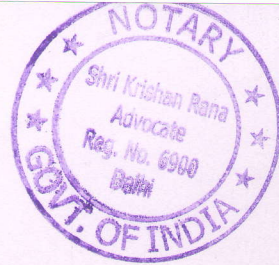
in connection with our application dated 27.02.2015 made to AICTE for, Special onetime Approval of

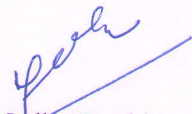following B. Tech Programmes for the A Y 2013-14:

- **Computer Science**
  &
- **Electronics**

Contd…P-2

P-2

Hereby solemnly affirm and declare as under:

1. That Principal, Keshav Mahavidyalya University of Delhi , H-4-5 Zone,Pitam Pura, Delhi-34.
2. That the Council shall also be free to take any action as deemed fit against the institution in case any violation of the statement/information furnished in the Application.
3. That the facts stated in this affidavit are true to my knowledge. No part of the same is false and nothing material facts have been concealed there from.
4. That one or more of the following deficiencies reported as listed below do exist and with the approval of the competent authorities compliance of rectification of the deficiencies will be done immediately and positively within 6 months duration:

  i. **A senior faculty with AICTE prescribed or equivalent qualification will be arranged to oversee the routine academic and administrative matters of the technical programmes run by the institute.**
  ii. **All the teachers imparting education through Theory and Laboratory/Tutorial courses will fulfill AICTE or equivalent norms relating to qualifications and experience.**
  iii. **The Deficiencies in respect of books and e-journals, language laboratory, legal software, internet bandwidth (as per Aicte norms) will be rectified and complied.**
  iv. **The institute shall provide Laboratory facilities as per AICTE norms for the conduct of laboratory classes and if needed, arrangements will be made with nearby AICTE approved Institutions for using their lab facilities.**

5. That the students were admitted to the above mentioned courses as per the duration and entry level Qualifications laid down by University of Delhi.
6. That the College holds responsibility to provide all infrastructural facilities including faculty till the completion of 4 year B. Tech Programmes to ensure that the students will not be put to hardship.
7. That the above mentioned 4 year B. Tech courses are funded by the Govt. of NCT of Delhi.
8. I understand that the said approval is valid till completion of this single batch admitted in AY 2013-14.

Dr. Madhu Pruthi
Principal
Keshav Mahavidyalaya
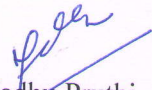H-4-5 Zone, Pitam Pura, Delhi-34

VERIFICATION

I, the above named deponent do hereby verify that the facts stated in the above affidavit are true to my knowledge. No part of the same is false and nothing material has been concealed there from.

Verified at Delhi on this the 23rd April, 2015.

Dr. Madhu Pruthi
Principal
Keshav Mahavidyalaya
H-4-5 Zone, Pitam Pura, Delhi-34