



# MAITREYI COLLEGE

University of Delhi  
Chanakyapuri, New Delhi - 110021



**Self Study Report**  
Submitted to  
**National Assessment and Accreditation Council**  
Bangalore  
October, 2015



# **SELF STUDY REPORT**

**Submitted**

**To**

**National Assessment and Accreditation Council**

**(NAAC)**

**(October, 2015)**



**Maitreyi College**

**(University of Delhi)**

**Bapu Dham Complex, Chanakypuri, New Delhi – 110 021**

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## MAITREYI COLLEGE (UNIVERSITY OF DELHI)

BAPU DHAM COMPLEX,  
CHANAKYAPURI,  
NEW DELHI-110021

The college is submitting its Self-Study Report (SSR) for the first cycle of Assessment & Accreditation by the National Assessment & Accreditation Council (NAAC) along with the 'Declaration by the Head of the Institution'. The SSR has been prepared according to the guidelines laid down by NAAC.

Preparing the SSR of the college, though challenging, has been a highly rewarding exercise, engaging each and every member of the college. It has been a voyage of discovery – looking at things with a new perspective – always finding prospects and avenues of upgradation in every significant domain for our institution.

At Maitreyi, we are committed to offering the best opportunities to our students, to help them realize their potential. Self-evaluation and introspection are carried out regularly to ensure their all-round development. The college is in the process of further evolving a strategy and methodology to ensure that its policies and practices are in tune with the requirements of a constantly changing world. This is being undertaken through discussions and suggestions from all its stakeholders.

The entire college looks forward to the accreditation so that appropriate steps may be taken in our pursuit of excellence.

**Dr. Savita Datta**  
Principal



## LIST OF COMMITTEE MEMBERS

### Steering Committee:

Dr Savita Datta	: Chairperson
Dr Poonam Juneja	: Coordinator
Dr Veena Mishra	: Member
Dr Renuka Kashyap	: Member
Dr Gopi D. Tripathy	: Member
Ms Manju Bhardwaj	: Member

### Criteria Committee Members:

Dr Amirtha Anand	Dr Prachi Bagla	Ms Yogam Datta
Dr Sandhya Gupta	Dr Haritma Chopra	Ms Nidhi Chand
Dr Veena Ghuriani	Dr Brototi Roy	Ms Shikha Badhani
Dr Monica Chhabra	Dr Meena Yadav	Dr Archana Aggarwal
Dr Rakhi Gupta		

### Departments and Other Units:

1. Botany	:	Dr Rina Majumdar
2. Chemistry	:	Dr Ramesh Kumari
3. Commerce	:	Ms Jyotsna
4. Computer Science	:	Ms Shikha Badhani
5. Economics	:	Ms Rachna
6. English	:	Dr S D Roy
7. Hindi	:	Dr Usha R Jain
8. History	:	Dr Ritu C. Kumar
9. Mathematics	:	Ms Geetan Khurana
10. Physics	:	Dr Poonam Juneja
11. Political Science	:	Dr Manju Subhash
12. Punjabi	:	Dr Surinder Kaur Malhotra
13. Sanskrit	:	Dr Pramod Kumar Singh
14. Sociology	:	Ms Manjula Saxena
15. Zoology	:	Dr Versha Goel
16. Physical Education	:	Ms Shipra Verma
17. Library	:	Dr Pradeep Rai
18. Staff Council Secretary	:	Dr Vishnu Priya

19. NCC	:	Dr Padma Saxena
20. NSS	:	Dr Saroj Rani
21. Students' Union Advisor	:	Dr Swapna Ray Jain
22. Enabling Unit	:	Dr Pramod Kumar Singh
23. Eco Club	:	Dr Rina Majumdar
24. Administrative Officer	:	Mr Sameer Saini
25. Administrative Officer	:	Ms Usha Dhingra
26. S.O. (Accounts)	:	Mr Ranu Kumar

**EXECUTIVE SUMMARY  
&  
SWOC ANALYSIS**

## EXECUTIVE SUMMARY

Maitreyi College, a constituent college of the University of Delhi caters to a wide spectrum of students from all walks of life. It was founded in 1967 by Delhi Administration to impart quality education to women.

The college community is proud to bear the name of Maitreyi, an eminent scholar of the Vedic period, who was the wife of sage Yajnavalkya. Their story is recorded in the Brihadaranyaka Upanishad. Maitreyi chose knowledge over worldly possessions. When asked by her husband to make a choice between the two, she poignantly asked him, “What should I do with that by which I do not become immortal?” She was an empowered woman, determined to attain self-realization through knowledge which would lead to real immortality. Maitreyi College roots its essence in this thrust of Maitreyi, the scholar. It has been the objective of the college to weave a fine blend of the best of tradition and modernity into the fabric of our education system.

Maitreyi College provides an environment conducive to cultivation and growth of strong academic principles and their full expression. The structures of mutual trust and commitment to higher learning have led to the gradual development of a coherent practice of self-determination and accomplishment among all the members.

### Curricular Aspects

Our college believes in striving for newer goals, maintaining high standards and establishing Maitreyi as a **‘Knowledge Centre’**, nationally and internationally. The strength of our college lies in its ability to adapt to the changing needs of the time. To realize this vision, we inculcate the importance of learning in our students, thus ensuring their intellectual and emotional development. The college encourages innovative, rigorous and professional pattern of teaching and learning, enabling the students and teachers to become outstanding scholars, educators and professionals by preparing action plans within the framework outlined by the University of Delhi.

The Principal apprises teachers of the nuances of the curriculum and evaluation. The members of the faculty are active in the Committee of Courses. Further, they are entrusted responsibilities by the University as members of the Board for paper setting. The teachers are encouraged to attend refresher and orientation courses and workshops conducted by DU to enhance their knowledge and skills. Seminars, workshops and lectures by eminent experts are regularly conducted by the college. Besides, other supportive measures like provision of journals, books, magazines and teaching-learning tools are extended to the teachers for effective implementation of the curriculum.

The syllabus for various courses is divided into units for teaching and completion within a semester. The teachers are encouraged to adopt innovative methods such as the use of power point presentations, role play, quizzes, worksheets, student presentations etc. They are also encouraged to use audio-visual aids to enhance teaching-learning process. Curricular and co-

curricular events are organized on contemporary issues by the college. Seminars, conferences, debates, quizzes, essay writing competitions, poster making competitions and film screenings are some examples of such events. Besides regular classroom teaching, tutorials, practicals, class tests, projects, assignments, workshops and seminars are designed and conducted.

The Career Counseling & Placement Cell of the college maintains regular contact with leading academic institutes and commercial and industrial establishments. It arranges industrial and institutional visits, interactive sessions with professionals, experts and scholars. The college follows a system of informal feedback from the students and implements corrective measures, wherever required. Feedback from students helps to improvise teaching methods. The achievements of the college are compiled in the form of an Annual Report made available on the college website.

### **Teaching - Learning and Evaluation**

At Maitreyi, pedagogical and organizational approaches are taken seriously and executed with utmost discipline. Beginning with the admission, students are molded into keen and enthusiastic learners and creative thinkers, during their years in the college through graduation.

A transparent admission procedure is adopted under the supervision of the Admissions Committee. Admissions are on the merit based cut-off percentages, declared for the public through print and electronic media. The college prospectus is comprehensive in providing information to admission-seekers; the office and student help-desks ensure smooth admission process. All the reservation policies outlined by the Government of India and DU are strictly adhered to during admissions. The students under ECA and sports quota are admitted on the basis of rigorous trials and certificate verification as specified by DU.

The students, being our biggest asset, are always the focus of all pedagogic plans and innovations. The teaching is undertaken by adopting three pronged approach focusing on knowledge building, critical insight and practical application. Students are encouraged to undertake various innovation projects, surveys and analyses to build research aptitude. Wi-Fi enabled campus and ICT facilities, along with a well-equipped library, facilitate information and knowledge building. Each department has an association which organizes academic activities (seminars, lectures, workshops) and field trips regularly to supplement the curriculum. Various societies and committees such as Medical Health and Hygiene, Women Development Cell, NSS, Eco Club, Dramatics, etc. are potential outlets for students. There is infrastructural support for differently-abled and freeships (fee refund and free books) for economically backward students.

The faculty, being the other asset, gives the institution its meaning and direction. The strength of faculty lies in subject expertise seen through accomplishments, awards and publications in journals of national and international repute.



The results of the University exams are noteworthy. The performance of students has been consistently improving over the years which are evident from several ranks secured within the University. Their placement in companies of repute is a matter of great pride for the college.

### **Research, Consultancy and Extension**

Maitreyi takes multiple initiatives to develop a scientific temper and research culture among its students. The college encourages implementation and smooth progress of research schemes and projects by undertaking various measures. Regular workshops, seminars and conferences are held for students to teach them new techniques. The college does not have an official research committee. However, there is a 'Star Advisory Committee' which monitors the research funded by the Department of Biotechnology (DBT). The college has received grants from several beneficiary agencies such as DBT (Star College Scheme), DU (Innovation Projects), UGC (PG Diploma in Nanotechnology), OBC expansion grant which have been utilized for up gradation of infrastructure, building new facilities and procuring new books, chemicals and equipment.

Multiple research facilities available to students include a tissue culture laboratory, chemicals and well equipped science laboratories, travel facility to various institutions, free Wi-Fi access, access to e-journals in the library via INFLIBNET etc. Educational trips to museums, heritage sites, biodiversity parks and training programmes in summer and winter break are organized in collaboration with various institutions and research centres.

Maitreyi has future prospects to start a 'Central Research Facility' to encourage the budding student scientists and provide them space specially allocated for research activities. Research findings of the students and teachers and project reports of the Science departments are in the process of compilation in the form of a Star Bulletin. Outreach programmes for the students and teachers of government schools to acquaint them with the newer technologies in the field of science are also in the offing. A visit to explore research opportunities by the students at Fermilab in Chicago, USA is under consideration.

### **Infrastructure and Learning Resources**

Maitreyi College realizes the pivotal role played by infrastructure in imparting quality education. Hence, a strong and streamlined policy for the enhancement of infrastructure is in place. The campus is spread over a total area of 10 acres and includes 26 classrooms, 16 tutorial rooms and seven lecture halls. The College has 15 well equipped laboratories for conducting practicals in subjects like Computer Science, Chemistry, Botany, Zoology and Physics. The Botany and Zoology departments also have a museum each. The Botany department has a botanical garden with syllabus oriented vegetation, of both annuals and perennials. The classrooms are fitted with overhead projectors and screens. The college has barrier free environment and special facilities are available for PwD students and faculty. Ramps with hand rails and wheelchairs ensure smooth mobility of the disabled in the college.

The library has an air-conditioned faculty reading room, reading hall, reference desk, newspaper display area, periodical/journal section, OPAC desk, e-resource centre, photocopying facility, 28 computers and three printers with open access. It is also equipped for participation in resource sharing network through N-LIST, INFLIBNET and DULS. Audio CDs and Braille material are available for visually challenged users. Two computers, along with a printer, are kept on the ground floor in the library for PwD users to access the internet.

The college has an air-conditioned Video Conferencing Room and an auditorium, each with a seating capacity of nearly 140 and 400 respectively. The college also has an amphitheatre. The auditorium and amphitheater are used for cultural events and inter-college activities etc.

A medical room provides basic healthcare and first aid facilities to staff and students. A medical doctor is available on appointed days for medical advice and assistance. A healthy pest free environment is ensured. Water coolers and overhead tanks are cleaned at regular intervals with help from competent agencies. The college has installed water coolers with R.O. systems at several convenient locations.

The college is Wi-Fi enabled and has four state of the art computer laboratories. There are a total of 147 Desktop PCs, 1087 Laptops (1031 for students), 20 Workstation, 14 I-Macs and 02 Servers in various departments. The college is in the process of setting up an 'E-content Creation Laboratory'.

For sports enthusiasts, the college provides ample opportunities with facilities like a soccer field, athletic mini track, volley ball mud court, basketball synthetic court, judo room (furnished with synthetic mats to facilitate judo as well as wrestling matches), bamboo room (with locker facilities for students) and a separate room for NCC. There is a common room for students. The 24-seater van is used for local educational visits. A canteen with a dining hall and a Mother Dairy kiosk offer healthy options of eatables.

The college embarks upon projects associated with the expansion of its infrastructure from time to time so as to make it compatible with the academic growth of the college. Over the past few years, various laboratories and rooms have been renovated. Additionally, five environment friendly bamboo rooms have been constructed. Construction of a hostel (with a capacity of 92) and a new Science Block is expected to begin soon. These will have the features of green buildings, viz. rain water harvesting system, solar panels and thermal insulation.

Maximum use of the college infrastructure is made throughout the year. The college has served as a study centre for IGNOU and School of Open Learning (SOL). In addition to regular classes on week days, classes are held for NCWEB on weekends and during vacations. The college continues to be the evaluation centre for various subjects and examination centre for several competitive exams like UGC-NET, L.L.B. etc. It has been the polling station and centre for enrolment of AADHAR and Voter Identity Card.

Fire extinguishers at select points and power backup from generator are in

place.

### **Student Support and Progression**

Adopting student-centric approach in all its endeavours is behind Maitreyi's efforts for realization of its mission. The college publishes its prospectus every year which provides comprehensive information about courses offered, admission criteria, procedure and schedule, admission under sports and extra-curricular activities; fee structure; attendance criteria, examination and promotion guidelines; scholarships and prizes. The college has a Grievance Redressal Committee to address admission related problems. The names and phone numbers of members of this committee are given in the prospectus and on the college website.

Fee concession and freeships are provided to the economically backward and deserving students on recommendation of the Freeship Committee. The college also provides them with a book bank facility. SC/ST/OBC students are facilitated with scholarships by forwarding their forms to the respective states which directly credit the amount into their bank accounts. Relaxation in cut-off percentage for SC/ST/OBC and PwD students is accorded as per the University rules.

The college has undertaken several measures to make the campus disabled friendly. Ramps with firm hand rails, wheelchairs, JAWS and Kurzweil (screen reading software) are few facilities worth mentioning. Foreign students' coordinator with its committee monitors the welfare of foreign students. The college is associated with the Delhi Legal Services Authorities, which works towards the constitutional obligation of the state to ensure legal aid and guidance for the college community.

A number of initiatives are taken to develop and improve communication skills of the students through various societies such as the dramatic society and the debate society. Each department through its society organizes intra- and inter-college activities such as quiz competitions, debates, fun-in-lab, creative writing etc. and many departments also maintain a wall magazine. These societies are managed by the students under the supervision of the faculty. The college publishes its magazine 'Maitreyi', which has a collection of articles, poems, prose etc. written by faculty and students.

Students' Union - an elected body is guided by faculty members as Advisors for organizing various events like Fresher's Day, Diwali Mela, annual cultural festival 'Rhapsody' etc. The development and designing of catalogues, posters, invitations and sponsorship etc. is managed by the students. The students have their representatives in Anti-ragging Committee, Grievance Redressal Committee, Sexual Harassment Cell, Career Guidance & Placement Cell and every cultural society.

The college also provides academic and career guidance through the Career Counseling & Placement Cell. It organizes interactive lectures, seminars on available career options and invites companies for placements and internships in the college campus. The invited speakers motivate the students and

encourage entrepreneurship among the students.

University results confirm the efforts made by the college towards student's progression. The pass percentage in most of the under graduate courses is more than 90%. The college through its Alumni Association maintains ties with the ex-students by organizing Alumni Meet annually.

### **Governance, Leadership and Management**

The mission of Maitreyi College is to be the '**Knowledge Centre**'. Effective and participative governance and management plays fundamental role in achieving this mission. The college has a 16 member Governing Body comprising of various scholars and subject experts. It oversees all aspects of growth, progress and governance of the college through the Principal, who works in coordination with the staff in all matters. She is assisted in her duties by the Vice-Principal, Bursar, Staff Council and non-teaching staff. All the quality controls and plans are formulated through this structure.

The Staff Council holds regular meetings to assess challenges, plans, recommendations and new projects. There are several Staff Council Committees (Academic, Extra-Curricular, Sports, Examination, Discipline etc.) with each faculty being member of at least two such committees. The faculty is encouraged to actively participate and undertake leadership roles at both the college and University level. The IQAC has been recently constituted for quality assurance. The non-teaching staff is also part of some committees.

The college funds (95% from UGC and 5% from Government of NCT of Delhi) are utilized optimally according to the General Financial Rules. The Purchase Committee reviews all demands of purchase and invites tenders. The statutory audit is undertaken regularly.

The perspective plan for development of the college includes organizing national and international workshops, strengthening core subjects, digitization, formalizing research policies, developing laboratories and signing MoUs and collaborations.

The faculty and students are fully supported in their academic pursuits and encouraged to build up their academic credentials through various endeavours such as presentations, publications etc. The teaching-learning process supported through technology and research work is encouraged by undertaking projects like DU's Innovation Project etc. Community outreach is encouraged through various activities conducted by departments and NSS. The faculty is provided with a conducive environment with latest books; resources along with the best of infrastructural facilities. There is provision of benefits like study leave, medical reimbursements, loans, LTCs etc. The non-teaching staff also avails of several such benefits and is encouraged to undertake skill development courses from time to time. The students are aided and encouraged to excel academically and become socially aware citizens with the ability to lead and explore new avenues and are rewarded suitably upon achievements.

All the achievements, challenges and decisions are compiled in the Annual Report.

### **Innovations and Best Practices**

Maitreyi College aims to make students environmentally conscious. Educating them about environmental issues is crucial to foster a sense of responsibility and become proactive citizens, so that they make choices that help the environment rather than harm it. Several initiatives have been taken to make the campus eco-friendly. A water harvesting unit was installed in the year 2004. The **Eco Club ‘Prakriti’** of the college organizes various activities for creating environmental awareness. The campus is declared a **‘No Smoking Zone’** and **‘No Plastic Zone’**. The green cover of the campus is meticulously maintained, no trees are cut and cementing is minimized for water percolation. Every patch of land available has been converted into a green area with ornamental and medicinal plants. Use of natural manure, minimal use of fertilizers and eco-friendly pesticides are preferred over chemicals which have adverse effects. The botanical garden is maintained by gardeners under the supervision of the Botany department. The management of hazardous waste is also conducted as per the standard norms.

Maitreyi College has been conferred the **‘Cleanliness, Hygiene and Sanitation Education (CHASE)’** award by the Confederation of Indian Universities in 2014.

Medical Health and Hygiene Committee undertakes different activities to enlighten the college community on health issues with an emphasis on prevention of widespread health problems. The college has initiated a practice **‘Healthy Body-Healthy Life’**. Various events are organized annually around this theme. The idea behind the practice is two-fold. One, health care should begin at an early age and two, female health needs special attention.

In an effort to contribute effectively to the nation’s progress and use renewable energy for sustainable development, the project entitled “Development of Slow Release Fertilizers from Bio-Waste using the Techniques of Nanochemistry” submitted under Innovation Project Scheme of DU has been sanctioned for the year 2015-16.

The innovation in best practices is witnessed in the effort of utilizing the infrastructure maximally throughout the year.

## **SWOC Analysis**

### **Strengths:**

- The college takes pride for having a student-centric approach to learning. Classes are held regularly and diligently. Our students, being bright and receptive, are readily enthused into learning. With sufficient guidance and rigorous training, they are given the wherewithal to



compete with the best in their fields.

- Technology and innovation are an integral part of our instructional programmes with the deployment of ICT facilities and accessibility of latest online resources. Our labs and library are upgraded with the latest software and the classrooms are equipped with projectors and smart boards. Students can access their monthly attendance through the college website.
- Our faculty consists of experienced senior teachers and dynamic and enthusiastic younger faculty. Their wide-ranging interests and specializations enable the students to strive for excellence in their respective fields. Many faculty members have been awarded for their academic excellence and have received research grants for their projects.
- There are various resources at our disposal such as a well-equipped library that houses innumerable books and subscribes to various magazines and journals. All departments make optimum use of their funds to update the existing stock of books regularly.
- The Science laboratories are well-equipped with modern equipment like microscope, MIPS, spectrophotometers, refrigerated centrifuge, deep freezer, gel electrophoresis unit, trans-illuminator, PCR etc. The laboratory support staff is technically skilled.
- All the students perform well in the University examinations. They are also involved in several extra-curricular activities at different levels. The various societies including music, dance, photography, debating, dramatics have nurtured budding talent over the years.
- Several departments conduct seminars and hold lectures by eminent speakers to keep students and faculty abreast of latest trends in research and knowledge building.
- The notice boards in the college premises display student opportunities for internship/placements and other important achievements.

#### **Weaknesses:**

- The number of classrooms and labs, though many, are unable to accommodate the large number of students.
- There is also a strong need to improve and extend research and development work. Because of the strict and extensive curriculum, time and space allocation for research-related activities is limited.
- The use of technology in the classroom needs to be further strengthened.
- Faculty retirements and enhanced workload due to OBC expansion are compensated by floating population of ad-hoc and guest faculty. This constraints the implementation of long term planning.
- In the absence of a formal alumni database, their career growth cannot be monitored and utilized for the benefit of the institute.

#### **Opportunities:**

- Addition in infrastructure can cater to the educational needs of many more students with additional under-graduate and post-graduate

courses.

- Conducting activities for student development and focusing on research-orientation from existing strengths in teaching and research.
- At the institutional level, interaction with various research centres, labs, industries and organizations to create consultancy services as well as generate more funds for the college through collaborative ventures.
- Developing better and stronger industry and academic relations so as to provide job opportunities to students from all departments, is in the offing.

### **Challenges:**

- Infrastructural limitations and constraints pose the biggest challenge before the college.
- Preparing the students with strong academic standing, original and innovative ideas of research work is another priority. They need to be motivated towards working even outside the prescribed syllabus and to keep abreast of current trends in research and development. They need to be made more employable and industry-ready upon completion of their respective courses through overall skill enhancement and confidence-building.
- The faculty members of the Botany department are working hard to develop a Digital Resume of the entire biodiversity in the syllabus. The digital catalogue of the specimens along with their scientific description will be available 24x7 for the students on the department's website.
- The Political Science department is trying to compile material to meet the challenges faced in teaching new University courses to Hindi medium students for whom limited readings are available. The English, Hindi and History departments are also trying to find ways to cope with bi/multilingual classroom sessions when teaching ideas in a particular language and to reconcile literary analysis with language proficiency.
- There is an urgent need for a well-defined system to analyze student performance and progress from semester to semester and to find an equally viable mentoring method to fit into the otherwise already rigorous syllabus.
- We need to develop departmental websites where assignments, readings and discussions can be uploaded.
- Another challenge is to fill up the vacant teaching and non-teaching positions to provide more stability for the future growth of the institution.
- Finally, being a women's college, it is our key challenge and responsibility to create experienced and academically strong leaders of tomorrow.

# **PROFILE OF THE COLLEGE**

## PROFILE OF MAITREYI COLLEGE

### 1. Name and Address of the College:

Name :	Maitreyi College, University of Delhi	
Address :	Bapu Dham Complex, Chanakyapuri, New Delhi	
City :	Pin : 110 021	State : New Delhi
Website :	<a href="http://www.maitreyi.ac.in">www.maitreyi.ac.in</a>	

### 2. For Communication:

	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr Savita Datta	O: 011-24673815	09971009142	011-24101053	drsavita_datta@yahoo.co.in
Vice Principal	Dr Yamini Gautam	O: 011-246743815 R: 011-65960225	09210723425	011-24101053	maitreyi1967@yahoo.co.in
Steering Committee Co-ordinator	Dr Poonam Juneja	O: 011-24673815	09873011305	--	pjjuneja@hotmail.com

### 3. Status of the Institution:

Affiliated College	<input type="checkbox"/>
Constituent College	<input checked="" type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

### 4. Type of Institution:

a. By Gender	
i. For Men	<input type="checkbox"/>
ii. For Women	<input checked="" type="checkbox"/>
iii. Co-education	<input type="checkbox"/>

b. Shift	
i. Regular	<input type="checkbox"/>
ii. Day	<input checked="" type="checkbox"/>
iii. Evening	<input type="checkbox"/>

### 5. It is a recognized minority institution

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

If Yes, specify the minority status (Religious/linguistic/any other) and provide documentary evidence

## 6. Sources of funding:

Government

Grant-in-aid

Self-financing

Any other

√

## 7.

a. Date of establishment of the College : **July 16, 1967**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	Date, Month & Year	Remarks (If any)
i. 2(f) ii. 12(B)	May 8, 2014 & September 17, 2014	The certificate dated May 8, 2014 uploaded along with the Online LOI included the FYUP courses started by DU in 2013-14. Subsequent to the roll back of FYUP in 2014-15, a fresh certificate dated September 17, 2014 was issued by DU. Both these certificates are appended at the end of the SSR.

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

**(Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act is enclosed at the end of self-study report from Page No. 348-353)**

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
(i). MHRD clause 20(I), chapter 4 of AICTE act 1987	AICTE approval for B.Tech. Computer Science run by Department of Computer Science vide F. No AICTE/NWRO/DU Colleges/MC/1-2558093871/2013-14	29-04-2015	2013-2017	Recognition valid only for the Batch admitted in 2013-14

(Enclose the recognition/approval letter)

**(Approval letter enclosed at the end of SSR at Page No. 351)**



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: .....NA..... (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes  No

If yes, Name of agency

1) **Department of Biotechnology (DBT), Ministry of Science & Technology (Letters enclosed from Page No. 353-357)**

2) **Department of Environment, Government of NCT of Delhi (Letters enclosed at Page No. 358)**

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

Location *	Urban
Campus area in sq. mts	40468 sq. m / 10 acres
Built up area in sq. mts.	8859.94 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 – **Yes**

- Sports facilities

\* Play ground – **Yes**

- Main Field: 135 m X 62 m in size, used for games such as cricket, baseball, softball, handball, netball, kho-kho.
- Athletic Mini Track (200 m) along with Long Jump pit
- Volleyball Court (mud): 9 m X 9 m
- Basketball Court (synthetic): 34 m X 19 m
- Ball Badminton Court: 13 m X 6 m

\* Swimming pool – **No**

\* Gymnasium – **No**

- Hostel

\* Boys' Hostel

(i) Number of hostels – NA

(ii) Number of inmates – NA

- (iii) Facilities (mention available facilities) – NA
- \* **Girls' Hostel - Process Initiated for Construction**
- (i) Number of hostels – **01**
- (ii) Number of inmates – NA
- (iii) Facilities (mention available facilities) – NA
- \* **Working Women's Hostel**
- (i) Number of inmates – NA
- (ii) Facilities (mention available facilities) – NA
- Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)
- One (01) Principal's Bungalow
  - Three (03) residential flats for teaching staff
- Cafeteria – **Yes**  
(The cafeteria is supplemented by a Mother Dairy kiosk in the adjoining open area)
- Health Centre – **Yes**  
(The college has a Medical Health and Hygiene Committee monitoring the medical room, first-aid and emergency aid facilities. A Medical doctor is available twice a week on all working days for free consultation)
- First aid, Inpatient, Outpatient, Emergency care facility, Ambulance Health Centre Staff
- |                  |            |                                     |           |                                     |
|------------------|------------|-------------------------------------|-----------|-------------------------------------|
| Qualified Doctor | Full time  | <input type="checkbox"/>            | Part-time | <input checked="" type="checkbox"/> |
| Qualified Nurse  | Full time* | <input checked="" type="checkbox"/> | Part-time | <input type="checkbox"/>            |
- (\*Sanctioned under OBC expansion)
- Facilities like banking, post office, book shops – **Yes**
- A fully computerized branch of the **Punjab National Bank** is operative within the college campus.
  - The **Book Shop** within the college provides all necessary stationery items, reference books, gift items etc. at reasonable prices.
  - **Post office** is available within a radius of approximately 3km.
  - A **Photocopy Shop** is in the college premises where photocopy and spiral binding is done at reasonable rates.
- Transport facilities to cater to the needs of students and staff – **Yes**  
(One van with a seating capacity of 24)
- Animal house – **No**
- Biological waste disposal – **Yes**
- Generator or other facility for management/regulation of electricity and voltage – **Yes**

(One 250 KVA generator for 24 hours back-up)

- Solid waste management facility – **Yes**
- Waste water management – **No**
- Water harvesting – **Yes**

12. Details of programmes offered by the College (Give data for current academic year): 2014-15

S. 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	B.A. Prog.	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English/ Hindi	185	209
2		B.Com. Prog.	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	92	80
3		B.Com. (Hons.)	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	62	109
4		B.A. (H) English	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	46	60
5		B.A. (H) Economics	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English/ Hindi	46	133
6		B.A. (H) Hindi	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	Hindi	46	44
7		B.A. (H) History	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English/ Hindi	46	54
8		B.A. (H) Political Science	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English/ Hindi	92	146
9		B.A. (H) Sanskrit	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	Sanskrit/ Hindi/ English	31	34
10		B.A. (H) Sociology	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English/ Hindi	46	91
11		B.Sc. (H) Botany	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	31	66
12		B.Sc. (H) Chemistry	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	31	58
13		B.Sc. (H) Mathematics	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	39	51
14		B.Sc. (H) Physics	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	31	54
15		B.Sc. (H) Zoology	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	31	66
16		B.Sc.	3 Years	12 <sup>th</sup> /SSC and	English	62	57

S. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned /approved Student strength	No. of students admitted
		Prog. (Physical Sc.)		merit as per cut-off			
17		B.Sc. Prog. (Life Sc.)	3 Years	12 <sup>th</sup> /SSC and merit as per cut-off	English	93	90
18	Post Graduate	M.A. Political Science	2 years	Graduation	English/ Hindi	31	29
19		M.A. Mathematics	2 years	Graduation	English	31	15
20	Integrated Programmes PG	NA	NA	NA	NA	NA	NA
21	Ph. D.	NA	NA	NA	NA	NA	NA
22	M. Phil	NA	NA	NA	NA	NA	NA
23	Certificate	NA	NA	NA	NA	NA	NA
24	UG Diploma	NA	NA	NA	NA	NA	NA
25	PG Diploma	NA	NA	NA	NA	NA	NA
26	Any other (Please Specify)	NA	NA	NA	NA	NA	NA

13. Does the college offer self-financed Programmes?

Yes  NO

If Yes, how many?

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

Yes	√ *	No		Number	<b>01</b>

\*B. Tech. (Computer Science) was introduced in the college in 2013 under the FYUP scheme of DU.

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 (e.g. Physics, Botany, History etc.)	UG	PG	Research
Science	Botany, Chemistry, Computer Science, , Mathematics, Physics, Zoology	Yes	Not Applicable	Not Applicable
Arts	Economics, English, Hindi, History, Political Science, Punjabi, Sanskrit, Sociology	Yes	Political Science and Mathematics	Not Applicable
Commerce	Commerce	Yes	Not Applicable	Not Applicable
Any Other (Specify)	Not Applicable	Not Applicable	Not Applicable	Not Applicable

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

- a. Annual System
- b. Semester System
- c. Trimester System

17. Number of Programmes with

- 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 NA
- b. NCTE recognition details (if applicable) NA  
 Notification No.: .....  
 Date: .....  
 Validity:.....



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

Yes  No

19. Does the college offer UG 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

NA

- b. NCTE recognition details (if applicable): NA

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	
	Principal		Associate Professor**		Assistant Professor**					
	M*	F*	M*	F*	M*	F*	M*	F*	M*	F*
Sanctioned by the UGC / University / State Government	01		190				124		74	
<i>Recruited</i>	01		61		51		60	13	35	05
<i>Yet to recruit</i>	-		68				51		34	
Sanctioned by the Management/ society or other authorized bodies	NA		NA		NA		NA		NA	
<i>Recruited</i>	NA		NA		NA		NA		NA	
<i>Yet to recruit</i>	NA		NA		NA		NA		NA	

\*M-Male \*F-Female

\*\*No distinction between Male & Female Candidates

\*\*\* Includes Technical Staff

## 21. Qualifications of the teaching staff:

Highest Qualification	Principal		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	01	-	-	01
Ph.D.	-	01	-	44	-	24	69
M.Phil.	-	-	-	12	04	15	29
PG	-	-	-	04	-	04	08
Temporary teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
Ad-hoc Teachers							
Ph.D.	-	-	-	-	01	21	22
M.Phil.	-	-	-	-	06	42	48
PG	-	-	-	-	-	-	-

## 22. Number of Visiting Faculty /Guest Faculty engaged with the College.

19

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

Categories	Year1 (2013-14)		Year 2 (2012-13)		Year 3 (2011-12)		Year 4 (2010-11)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	-	115	03	158	-	131	02	144
ST	-	42	-	11	-	49	-	46
OBC	-	241	04	251	-	142	05	160
General	-	605	04	674	03	664	06	781
Others (PwD)	-	04	-	01	-	-	-	01

24. Details on students enrollment in the college during the current academic year (2014-2015):

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	692	19	--	--	711
Students from other states of India	704	25	--	-	729
NRI students	-	-	-	-	-
Foreign students	06	-	-	-	06
<b>Total</b>					<b>1446</b>

25. Dropout rate in UG and PG (average of the last two batches)

Session	UG	PG
2013-14	0.72%	3.2%
2014-15	1.71%	NIL

26. Unit Cost of Education

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

**(a) including the salary component**

**Rs. 1,00,005/-**

**(b) excluding the salary component**

**Rs. 25,597/-**

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:  
**1:20**

29. Is the college applying for  
Accreditation: Cycle 1  Cycle 2  Cycle 3   
Cycle 4   
Re-Assessment:  NA

*(Cycle 1 refers 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: ...NA... Accreditation Outcome/Result..... NA

Cycle 2: ..... Accreditation Outcome/Result.....

Cycle 3: ..... Accreditation Outcome/Result.....

**\* Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.**

31. Number of working days during the last academic year (2014-15)

253

32. Number of teaching days during the last academic year (2014-15)

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

173

33. Date of establishment of Internal Quality Assurance Cell (IQAC)  
(IQAC): **10/04/2015**

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

AQAR (i) .....NA.....

AQAR (ii) ..... NA.....

AQAR (iii) ..... NA.....

AQAR (iv) ..... NA.....

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

1. One Video Conferencing Room Seating Capacity- 140

2. One Committee Room: Seating Capacity- 50

3. One Auditorium: Seating Capacity- 400

4. One Amphitheatre

**CRITERION I**

**CURRICULAR ASPECTS**

## CRITERION I: CURRICULAR ASPECTS

### 1.1 Curriculum Planning and Implementation

#### 1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Our college believes in striving for newer goals and maintaining higher standards. Hence, the college entails great responsibility in defining its vision, mission and objectives.

##### **Vision:**

Recognition of Maitreyi College as ‘**Knowledge Centre**’ at national and international levels.

##### **Mission:**

The defining aspects of the mission of the college to realize its vision are:

- To facilitate our students and teachers to become outstanding scholars, educators, researchers and professionals.
- To inculcate in our students the importance of learning and its continuous pursuance so as to enable them to develop intellectually and emotionally.
- To achieve enhanced level of education through innovative and professional methodology, hands-on training, workshops and seminars.
- To motivate and empower students to become academically proficient, intellectually engaged and socially responsible citizens with a clear understanding of the diversity that exists in the ethos of our culture and society.

##### **Objectives:**

- To inculcate a commitment to quality and ethically sound practices.
- To instill a goal oriented and professional approach among students to become responsible citizens.
- To constantly review the curricular and co-curricular progress of the students to adopt effective measures for addressing the challenges.
- To instill in students a scientific temperament and an analytical mindset.

- To provide infrastructural facilities such as laboratories, library etc. conducive to teaching-learning environment for the stakeholders.
- To be well equipped for commencing and conducting graduate and postgraduate courses and research oriented programmes as and when the University of Delhi and University Grants Commission permit their implementation.
- To conduct specialized additional courses in Nanotechnology, Journalism etc.
- To periodically interact with reputed industries and research institutes.

**1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).**

For effective implementation of the curriculum prescribed by the University of Delhi, the college designs the action plan which is firmly founded on its key aspects of vision, mission and objectives. The teaching faculty holds discussions to develop academic action plans for the ensuing academic year. The syllabi for various courses are divided into units depending on the number of working hours and schedule available for teaching. The academic calendar issued by the University of Delhi is followed in this regard. Besides regular classroom teaching, tutorials and laboratory practicals, class tests, projects, assignments, workshops and seminars are designed and conducted for the benefit of the students.

**1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and / or institution) for effectively translating the curriculum and improving teaching practices?**

The college regularly receives guidelines and support from the University of Delhi vis-a-vis the curriculum. This helps the teachers to organize and prepare adequately to incorporate innovation and enhance their teaching practices. Teachers are also encouraged to undertake refresher and orientation courses organized by DU and other universities to upgrade themselves.

Workshops, seminars and guest lectures by eminent experts are regularly conducted to enable the teachers to enhance their knowledge and skills. Overhead expenses such as travelling allowance, registration fees etc. for these events are borne by the college.

Supportive measures like provision of journals, books, magazines and other teaching-learning tools are extended for the effective handling of the curriculum. The teachers are encouraged to adopt innovative methods such as power point presentations, role plays, quizzes, worksheets and student presentations etc. Visits to renowned research institutes, industries, places of historical and cultural importance are

also organized to encourage interaction with researchers, scholars and professionals.

**1.1.4 Specify the initiatives taken up or contributions made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.**

The University of Delhi designs and revises the curriculum periodically with the help of its affiliated Departments and colleges. Modifications in the curriculum are then notified to the departments and colleges. Copies of such notifications are distributed among the concerned teachers and also displayed on the noticeboards and uploaded on the college website. Regular follow up meetings are held by the Principal with the faculty and departments. In addition, intra-departmental meetings are conducted and various committees constantly review the status and progress of the implementation. Shortcomings are brought to the notice of the concerned authorities for immediate corrective plan. The college ensures availability of resources which is monitored through various Staff Council committees.

**1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?**

The Career Counseling & Placement Cell of the college maintains regular contact with leading academic institutes, commercial and industrial establishments. It arranges interactive sessions for students and teachers with professionals, experts and industry. These interactions lead to mutual enrichment. The departments also organize such interactions (*Ref. Evaluative Report of Departments*).

**1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (number of staff members/departments represented on the Board of Studies student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.**

According to the regulations of the University of Delhi, colleges affiliated to it are not permitted to modify any part of the syllabus. However, the University has adopted the practice of receiving inputs from the colleges through the Committee of Courses that put forth suggestions for designing or modifying a syllabus. The concerned teachers as members of the Committee of Courses and subject experts from the parent department frame or alter the syllabi. The teachers of Maitreyi College have always put in substantial contributions towards such exercises.



Dr Rama Sisodia, Assistant Professor (Botany department), while on deputation as Fellow at Institute of Life Long Learning (2012-15) has been involved in the development of curriculum based multimedia content. She has organized workshops, seminars and conferences for capacity building.

Students' feedback on various course contents and syllabi is also taken in an informal manner, wherever necessary. This feedback forms an integral part of the communication sent to the University.

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design development and planning) and the courses for which the curriculum has been developed.**

The short term course in Nanotechnology (introduced in 2005) was developed by the faculty of the college in consultation with scholars from reputed institutions such as IIT-Delhi, National Physical Laboratory and senior professors from the University of Delhi. This short term course was converted into a regular PG Diploma course in 2009 and our college was the first and the only DU-affiliated College to offer this course. After developing the course content, it was sent to Late Dr A. P. J. Abdul Kalam, the former President of India. He approved the content and also appreciated the efforts put in by the teachers in developing it.

Likewise, for other short term courses such as Journalism and Web Designing, the curriculum was designed and developed by the concerned teachers of the college.

**1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?**

To achieve success in implementation of objectives of the curriculum, departmental meetings are regularly held. The detailed analyses of the curriculum and preference for teaching a course are decided. The action plan involves classroom teaching, special lectures by experts, visits to reputed institutions and industry, workshops, seminars and laboratory sessions. Academic calendar issued by the University of Delhi is strictly adhered to. Internal tests, assignments and student presentations are carried out regularly to monitor the success of implementation so that timely corrective measures can be taken, if required.

**1.2 Academic Flexibility**

**1.2.1 Specifying the goals and objectives give details of the**

**certificate/diploma/skill development course etc. offered by the institution.**

The strength of our college lies in its willingness and conviction to adapt to the changing needs of the academic profile and progression. The fundamental goal of the institution is intellectual enhancement and grooming of students to make them self-reliant. The college has also taken initiatives in directions that are relatively contemporary so as to keep pace with the growing times. With such objectives in mind, the college has defined its newer goals of enhancing scientific aptitude among students, channelizing the young energies into productive and creative profiles, introducing students to higher hands-on work and projects and developing improved communication skills.

Keeping in view these goals and objectives, the college offered the following certificate / diploma / skill development courses:

- Short-term add-on course in Nanotechnology (2005-2009)
- Short-term add-on course in Web Designing (2005–2010)
- Short-term add-on course in Journalism (2005–2010)
- One year Post Graduate Diploma in Nanotechnology (2009-2013)

The college was the study centre for IGNOU from October 2005 to June 2010 and the following courses were operational:

- Bachelor of Tourism
- Master of Tourism
- B. Sc. in Physics, Chemistry, Life Science and Mathematics
- Application Oriented Courses like Feature writing, Translation, Environmental Chemistry, Human Environment etc.

Faculty members participated in conducting the classes for these courses on Sundays and during vacations.

The short-term courses were discontinued after the introduction of the semester system by the University of Delhi in 2010. PGDN was discontinued after DU introduced the FYUP scheme in 2013.

**1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If ‘yes’, give details.**

Maitreyi College being a constituent college of the University of Delhi offers only those programmes or degrees which are approved by the University. At present, there is no provision to offer twinning / dual degrees.

**1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:**

- **Range of Core/Elective option offered by the University and those opted by the college**
- **Choice Based Credit System and range of subject options**
- **Courses offered in modular form**
- **Credit transfer and accumulation facility**
- **Lateral and vertical mobility within and across programmes and courses**
- **Enrichment courses**

The University curriculum has witnessed many changes over the past four years. The college offers various undergraduate programmes and courses which are popular among women who come from the neighboring areas. Availability of wide choices offered to the students seeking admission ensures ample academic flexibility. Students who wish to pursue higher studies can opt for Honours courses in Arts, Commerce and Science.

The B.A. Programme is a popular course amongst foreign and North East students. The course aims at developing skills and enhancing employability. Punjabi and Sanskrit as languages are promoted through the combinations offered. Nine different combinations are being offered under the discipline courses by the college. Out of four choices of the application courses, the Computer Application option is the most sought after since it empowers students to get jobs in the fast growing IT industry.

In 2013, under the FYUP scheme, students were offered B. Tech. (Computer Science). Although FYUP has been rolled back from the 2014 – 15, all the Honours Undergraduate Programmes are being offered in the three year (six-semester) format and special permission has been granted to continue B. Tech. (Computer Science) for the batch admitted in 2013.

With effect from the 2015–16, the University has offered undergraduate programmes under the Choice Based Credit System (CBCS). Under this programme, students have the flexibility to make choices for the subjects that they can study with credit transfer facility and vertical mobility.

**1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification ,salary etc.**

Under self-financed courses, the college offered a one year Post Graduate Diploma in Nanotechnology from 2009 to 2013. This course was designed by the teachers of the college in consultation with eminent scholars and University professors. Admissions were granted on the basis of a written test, followed by an interview. Teaching of the course was shared by the college faculty and guest faculties from

different reputed institutions. Project work formed an essential component of the course work. Consequent to the introduction of FYUP by the University of Delhi in 2013, the course was discontinued.

**1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programmes and the beneficiaries.**

The college invites experts from reputed academic institutions and well established companies. This provides competence to explore employment opportunities at regional and global levels. Further, visits to reputed research institutions such as IIT, NPL and IUAC and various industries are undertaken by the students as part of the skill development programme.

Some of the activities undertaken by certain departments are highlighted below:

- The Sociology department conducts field trips to various places as project work for the ‘Research Methodology’ course work. Field work on ‘Gerontology: Understanding Old Age’ and ‘Understanding Masculinities’ in Delhi; on ‘Social Change in a Rural Urban Setting’ in Lucknow; on ‘Study of the Golden Temple’ in Amritsar and on ‘Religion, Politics and Culture: Identity Formation Among Tibetan Refugees’ in Delhi and Dharamshala have been successfully undertaken.
- The History department has conducted various workshops on the cultural heritage of India, the cultural forms in India, empowerment of women and protest movements against rape. They have successfully staged a play on conservation of environment (*Chipko Movement*).
- The Botany department has organized several workshops, seminars/symposiums and lectures. They have conducted field trips to Aravalli Biodiversity Park, National Institute of Plant Genome Research, Badkal Lake, Small Scale Industry (Usha Farms), National Agricultural Sciences Museum, Vigyan Bhavan, Yamuna Biodiversity Park and the Bioinformatics Division of the University of Delhi (South Campus). Botanical field excursions to Mussorie and Forest Research Institute, Dehradun, have also been undertaken for the study and collection of flora.
- The Commerce department has organized a one day workshop on ‘Career in Investment Banking’ conducted by International College of Financial Planning (ICFP) and a one-day educational workshop in collaboration with ORBIT for career counseling.
- The Computer Science department has organized special lectures on Big Data and Cloud Computing to make the students aware of the latest technologies.

**1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for**

**students to choose the courses/combination of their choice. If ‘yes’, how does the institution take advantage of such provision for the benefit of students?**

The University does not provide for flexibility of combining conventional face-to-face and distance mode of education to students.

### **1.3 Curriculum Enrichment**

#### **1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?**

The college keeps itself regularly updated about any changes in the curriculum and the implementation of the respective changes as directed by the University. In case of introduction of new courses by the University, the faculty members are fully apprised and also encouraged to undertake orientation and refresher courses to update themselves for the same. To achieve the goal of all round development of students, various committees supplement the curriculum by co-curricular and extracurricular activities.

#### **1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?**

The college focuses on providing an interactive and innovative learning experience to the students. Role playing methods, presentations, class tests, viva-voce and project work, question hours, quizzes, use of audio-visual teaching-learning aids etc. enhance student experience during classroom sessions. Tutorials, preceptorials and practicals make an integral component of the curriculum along with lectures.

Most of the students also work as interns during the summer vacations to get hands-on experience. The college also organizes interdisciplinary lectures by renowned expert practitioners and scholars to hone the learning spectrum. Organizational skills, leadership quality, team-work and management of finances are some of the skills which a student acquires while organizing events such as the annual cultural festival ‘Rhapsody’.

#### **1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc. into the curriculum?**

Contemporary issues of social importance are dealt with deftness and sensitivity by making them a part of the curriculum. All teachers diligently try to address and sensitize their students about any such issues that surface during a lecture or a discussion or otherwise. Curricular and co-curricular events are organized by the college based on the relevant issues of our socio-cultural milieu. Seminars, conferences, debates, quizzes, essay writing competitions, poster making competitions and film screenings are examples of such events.

- The Sociology department conducted Gender Sensitization Workshops for Delhi Police, ITBP in association with Prachi Education Society in Delhi.
- The Sociology department and the Women Development Cell of the College organized following talks and panel discussions on socially relevant topics:
  - Gender Violence: Ms Kavita Krishnan, Ms Nandini Rao, Ms Kalyani Roy Menon (Feminist social activists); 2010 – 11.
  - Sex Workers in Delhi: Dr Anuja Aggarwal (Department of Sociology, University of Delhi); 2009 – 10.
  - Women's Rights in India: Ms Aruna Roy (President of National Federation for Women); 2008 – 09.
- Since 2007, the **Eco Club 'Prakriti'** has been organizing various events to enthuse, educate, and enlighten the students on environmental issues of national and international concern.
- ICT – smart boards, laptops and projectors are included to make teaching-learning process exciting. E-resources are being used wherever beneficial.

#### **1.3.4 What are the various value-added courses/enrichment programme offered to ensure holistic development of students?**

- **moral and ethical values**
- **employable and life skills**
- **better career options**
- **community orientation**

Each student is a member of its Departmental Association. They are encouraged to join at least one co-curricular society during each academic session, so as to develop their acumen for one or more skills. The focus is on building confidence and self-esteem of the students which would enable them to be independent and responsible citizens of the country. The college also organizes interaction of the students with alumni for enriching their experience. The alumni also guide the students in choosing better career options through their own experience in their employment markets. The college runs an NCC, NSS and a Sports wing and every student is required to be a member of at least one of them. Women Development Cell and Eco Club work to sensitize the students about the responsibilities towards the community. The Career Guidance & Placement Cell of the college frequently organizes workshops, information forums, career guidance camps and other such events for the benefit of the students.

**1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholder in enriching the curriculum?**

There is a constant informal interaction between the teachers and students regarding ideas, outlooks and grievances. This establishes an open minded and secure environment which enables the minimization of conflicts and problems, if any, are resolved in an amicable manner.

**1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?**

Apart from regular class assignments and presentations by the students, special lectures are arranged and workshops organized by different departments to improve and assess the quality of enrichment programmes.

**1.4 Feedback System****1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?**

The teachers of our college have been associated with the designing and development of curriculum prepared by the University of Delhi in their capacity as members of Committee of Courses. Many teachers are board members for paper setting.

**1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?**

The college fully understands the importance of having an efficient and effective feedback system in order to understand and implement better growth prospects. Presently, the college follows a system of informal feedback from the students and teachers and takes measures for implementation wherever possible. Feedback from students is also utilized to incorporate appropriate changes in teaching methods. However, the college fully realizes the importance of a formal feedback system at all levels and has already undertaken necessary steps for designing relevant feedback systems.

Our teachers have been actively contributing in the exercises towards the designing of new curriculum and the modification of existing curriculum conducted by the University.

**1.4.3 How many new programmes / courses were introduced by the institution during the last four years? What was the rationale for introducing new courses / programmes?**

The college is affiliated to the University of Delhi and therefore implements only those programmes which are prescribed by the University as per the guidelines and changes suggested by the University from time to time. In 2013, under the FYUP scheme, B. Tech. (Computer Science) course was introduced to offer better employment opportunities to students.



## **CRITERION II**

# **TEACHING - LEARNING AND EVALUATION**

## **CRITERION II: TEACHING - LEARNING AND EVALUATION**

### **2.1 Student Enrollment and Profile**

#### **2.1.1 How does the college ensure publicity and transparency in the admission process?**

Details of the admission procedure are available in the college prospectus, the University of Delhi's information bulletin and on the websites of both Maitreyi College and DU. The cut-off percentage for the various courses are displayed on these websites and on the college notice boards. These are also published in all the leading national newspapers. The students seeking admission are also assisted by the college office with all relevant information. There are help desks manned by faculty and student volunteers to aid the admission seekers.

For admissions under the Extra Curricular Activity (ECA) quota, wherein specialized scrutiny is necessary for the selection process, the college ensures perfect transparency. An ECA Admission Committee is formed every year comprising of Union Advisors and faculty members with expertise in specific fields. In the session 2014-15, the college invited two external experts for the panel as per the latest University guidelines. One of the experts was Mr. Harish Gangani, the renowned Jaipur Gharana Kathak dancer and Sangeet Natak Academy award winner. The other expert was Ms Mitali Chakraborty, an 'A' grade artist of All India Radio. Internal experts were from the teaching faculty, as always.

#### **2.1.2 Explain in detail the criteria adopted the process of admission (Ex (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test and interview (iv) and other) to various programmes of the institution.**

Admission to all the courses is on the basis of merit, that is, marks scored in class XII exams and in accordance with the University of Delhi's guidelines, which are declared every year. Reservation policy of the Government of India and DU is duly followed for admissions. Thus, all the students who fall within the cut-off declared by the college in different lists are admitted. Approved relaxation in the cut-off is given to specified reserved categories of applicants and the same is notified with the cut-offs for various courses for the General category.

Admissions are given against merit in sports and cultural activities in accordance with the rules laid down for these categories by DU. The ECA Admission Committee forms a merit list of the selected candidates. 75% weightage is for on the spot performance and 25% for the national/international level certificates.

**2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.**

Maximum and minimum percentage of marks in various courses offered at Maitreyi College over the last four academic years, for all the categories of students viz. General, SC, ST, OBC and PwD are enumerated in **Table 2.1**.

**Table 2.1**

Course	Category	2011-2012		2012-2013		2013-2014		2014-2015	
		Max	Min	Max	Min	Max	Min	Max	Min
B.A. (Programme)	Gen	74	72	75	74	-	-	76	76
	SC	-	-	-	-	-	-	70	68
	ST	-	-	-	-	-	-	70	68
	OBC	64	56	79	50	-	-	70	68
	PwD	-	-	-	-	-	-	70	*
B.A. (H) English	Gen	87	85	90	86	90	87.5	92	90
	SC	-	-	-	-	75	70	88	80
	ST	-	-	-	-	75	70	88	80
	OBC	82	63	87	63	87	71.5	86	86
	PwD	-	-	-	-	85	*	88	*
B.A. (H) Economics	Gen	92	92	94	94	95	91.25	94	94
	SC	-	-	-	-	90	63	89	77
	ST	-	-	-	-	90	63	89	77
	OBC	87	75	88	61	90	63	89	87.25
	PwD	-	-	-	-	90	*	89	*
B.A. (H) Hindi	Gen	70	65	75	66	75	70	75	73
	SC	-	-	-	-	67.5	63	67.5	65
	ST	-	-	-	-	67.5	60	67.5	64
	OBC	65	47	67.5	43	67.5	63	67.5	65
	PwD	-	-	-	-	67.5	*	67.5	*
B.A. (H) History	Gen	65	65	75	72	76	75.5	80	80
	SC	-	-	-	-	71	68	75	73
	ST	-	-	-	-	71	68	75	73
	OBC	60	49	70	40.5	66	61	70	68
	PwD	-	-	-	-	71	*	75	*

Course	Category	2011-2012		2012-2013		2013-2014		2014-2015	
		Max	Min	Max	Min	Max	Min	Max	Min
B.A. (H) Pol. Sc.	Gen	75	74.5	80	76	80	80	82	82
	SC	-	-	-	-	75	74	77	77
	ST	-	-	-	-	75	74	77	77
	OBC	70	53	75	41	70	69.5	75	75
	PwD	-	-	-	-	75	*	75	*
B.A. (H) Sanskrit	Gen	45	45	48	45	45	45	50	50
	SC	-	-	-	-	45	45	48	45
	ST	-	-	-	-	45	45	48	45
	OBC	45	45	45	40.5	45	45	48	40.5
	PwD	-	-	-	-	45	*	48	*
B.A. (H) Sociology	Gen	76	76	80	80	82	82	82	82
	SC	-	-	-	-	77	68	77	72
	ST	-	-	-	-	77	72	77	72
	OBC	70	58	75	40.5	72	58	77	70
	PwD	-	-	-	-	77	*	77	*
B.Com. (Prog.)	Gen	90	88.5	92	88.5	-	-	94	91
	SC	-	-	-	-	-	-	90	63
	ST	-	-	-	-	-	-	90	53
	OBC	85	70	87	74	-	-	89	83.5
	PwD	-	-	-	-	-	-	90	*
B.Com. (H)	Gen	94	92	95	94	95.5	92	96	95
	SC	-	-	-	-	90.5	62.5	91	68
	ST	-	-	-	-	90.5	45	91	58
	OBC	87	74	90	71	85.5	76	92	84.5
	PwD	-	-	-	-	90.5	*	91	*
B.Sc. (H) Botany	Gen	72	70	74	73	73	73	80	80
	SC	-	-	-	-	69	63	74	73.33
	ST	-	-	-	-	69	63	74	73.33
	OBC	68	54	70	62.5	69	67	75	75
	PwD	-	-	-	-	69	*	78	*
B.Sc. (H) Chemistry	Gen	80	80	84	84	94	84	93	91.33
	SC	-	-	-	-	89.3	60	87	73
	ST	-	-	-	-	89.3	55	87	73

Course	Category	2011-2012		2012-2013		2013-2014		2014-2015	
		Max	Min	Max	Min	Max	Min	Max	Min
B.Sc. (H) Maths	OBC	76	69	80	79.33	84.6	79.66	89	88.33
	PwD	-	-	-	-	85	*	87	*
	Gen	85	85	90	88.5	93	88	93	93
	SC	-	-	-	-	88	63	88	75
	ST	-	-	-	-	88	63	88	75
	OBC	80	75	85	83	84	83	88	88
	PwD	-	-	-	-	88	*	88	*
B.Sc. (H) Physics	Gen	82	82	86	86	92	89	90	90
	SC	-	-	-	-	87.5	58	85	80
	ST	-	-	-	-	87.5	55	85	65
	OBC	78	70	80	78	87.5	80	88	88
	PwD	-	-	-	-	92	*	90	*
B.Sc. (H) Zoology	Gen	78	74	80	78	85	81.33	84	84
	SC	-	-	-	-	80	72	80	72
	ST	-	-	-	-	80	65	80	66
	OBC	74	60	75	72	80	77.33	80	80
B.Sc. (Phy. Sc. Chem)	PwD	-	-	-	-	80	*	84	*
	Gen	75	70	78	74.33	-	-	87	82.33
	SC	-	-	-	-	-	-	80	64
	ST	-	-	-	-	-	-	80	62
B.Sc. (Phy. Sc. Comp.)	OBC	71	60	74	68	-	-	84	82
	PwD	-	-	-	-	-	-	85	*
	Gen	76	69	78	73	-	-	87	82.33
	SC	-	-	-	-	-	-	80	63
	ST	-	-	-	-	-	-	80	62
	OBC	72	51	74	50	-	-	84	80
B.Sc. (Life Science)	PwD	-	-	-	-	-	-	85	*
	Gen	75	67	78	67	-	-	78	76.66
	SC	-	-	-	-	-	-	74	66
	ST	-	-	-	-	-	-	74	66
	OBC	71	49	74	55	-	-	74	73.66
PwD	-	-	-	-	-	-	74	*	
B. Tech. (Comp.)	Gen	-	-	-	-	-	95	95	***

Course	Category	2011-2012		2012-2013		2013-2014		2014-2015	
		Max	Min	Max	Min	Max	Min	Max	Min
Sc.)***	SC		-	-	-	-	90	84	
	ST		-	-	-	-	90	80.33	
	OBC		-	-	-	-	90	88	
	PwD		-	-	-	-	90	*	
PGDN				****					

\* For PwD category of students, cut offs beyond first list were not announced and admissions were given as they approached the college, if they met the minimum conditions required for admission.

\*\* For B.Sc. Life Sciences, the options 'with Chemistry or with Computers' was introduced in the year 2011-2012. Prior to that, it was a common course.

\*\*\* B. Tech. (Computer Science) was introduced in the year 2013-14 under the FYUP scheme of the University of Delhi. In 2014 - 15 no admissions; permission granted to continue course for the batch of 2013-14 only.

\*\*\*\* PGDN was introduced in the college in the year 2009. Admission was on the basis of an aptitude test and interview conducted by the college. Reservation policy duly followed during admissions. Course was withdrawn in 2013 on introduction of FYUP.

#### Other notes:

- For B.A. (Prog) the cut-off mentioned is relevant for aggregate percentage with one language and three academic subjects.
- For B.A. (H) English, the cut-off mentioned is relevant for aggregate percentage for the Humanities stream.
- Admissions to SC / ST / PwD / Foreign students before 2013-14 were centralized at the University level. Hence, the cut off percentages are not available for these years.

**Table 2.2** depicts minimum percentages for admissions for academic session 2014-15 in various colleges. Minimum cut off percentage is used for analogy. Maximum percentage as per the first cut off is usually a blind cut off which will not divulge meaningful comparisons.

Course College	B.A. (H) English					B.A. (H) Economics				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
<i>Maitreyi</i>	90	80	80	86	**	94	77	77	87.25	**
Kalindi	88.75	73	72	80	71	92.25	61	57	83	57

Course College	B.A. (H) English					B.A. (H) Economics				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
Gargi	91	85	85	86	59	****	****	****	****	****
Rajdhani	87	77	75	81	73	93	75	70	80	70
Shivaji	85	76	69	82	70	94	75	65	85	50
SVC*	88.5	86.5	80	89.5	85	92	86	81	91	90
JDM*	87	80	68	84	66	94.5	72	72	79.25	72
ARSD*	89	77	73	80	73	94	74	65	83	62
DCAC*	90.5	74	73	83.25	73	94.5	74	72	88.75	72
Moti Lal (M)	87	79	72	83	73	93.25	83	76	86	76
RLA (M)*	87	78	78	75	78.5	-	-	-	-	-
PGDAV (M)	86.5	72	62	80.5	60	93.5	75	63	83	60
Desh Bandhu	87	76	74	80.5	**	91	72	65	83	**
KNC*	89	83.25	81	84	80	95.5	82	80	88	79

Course College	B.A. (H) Hindi					B.A. (H) History				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
<b>Maitreyi</b>	<b>73</b>	<b>65</b>	<b>64</b>	<b>65</b>	<b>**</b>	<b>80</b>	<b>73</b>	<b>73</b>	<b>68</b>	<b>**</b>
Kalindi	69	62	50	55	57	76.5	65.5	68	59	60
Gargi	70	63	62	65	58.5	86	78	78	79	**
Rajdhani	70	64	60	64	63	80	70	65	75	60
Shivaji	71	65	60	69	60	75	71	71	72.25	71
SVC*	74	69	64	72	68	90.5	82	84	86	82
JDM*	69	64	63	67	64	78	69	69	71.5	65
ARSD*	69.5	65	67	65	64	82.25	69.25	69.25	74	65
DCAC*	-	-	-	-	-	85	74	74	80	74
Moti Lal (M)	70	60	55	63	55	80	70	70	73	72

Course College	B.A. (H) Hindi					B.A. (H) History				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
RLA (M)*	65	63	61	63	60	80	76	75	76	75
PGDAV (M)	69	55	55	64.5	55	79	65	60	73	50
Desh Bandhu	68	63	52	63	**	76	65	64	68	**
KNC*	72	65	65	65	64	86	79	85	81	74

Course College	B.A. (H) Pol. Science					B.A. (H) Sanskrit				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
<b>Maitreyi</b>	<b>82</b>	<b>77</b>	<b>77</b>	<b>75</b>	<b>**</b>	<b>50</b>	<b>45</b>	<b>45</b>	<b>40.5</b>	<b>**</b>
Kalindi	79.5	71.5	63	70	55	45	40.5	40.5	40.5	40.5
Gargi	86	78	78	84	59	45	40.5	40.5	40.5	**
Rajdhani	85	75	70	75	70	53	45	45	47	45
Shivaji	80	75	74	76	70	45	45	45	45	45
SVC*	92.5	389	88	86.5	82	51	50	40	50	40
JDM*	86	80	59	78	59	47	45	44	44	44
ARSD*	84.5	78	67	79	74	-	-	-	-	-
DCAC*	89	81	81	83.75	72	-	-	-	-	-
Moti Lal (M)	80	80	70	79	70	46	45	45	45	40
RLA (M)*	80	76	76	80	75	-	-	-	-	-
PGDAV (M)	84	65	60	78	60	46	45	45	45	40
Desh Bandhu	80	71	70	72	**	45	45	**	45	45
KNC*	90	82	74	76	73	52	45	45	45	45

Course College	B.A. (H) Sociology					B.Com. (H)				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
<b>Maitreyi</b>	<b>82</b>	<b>72</b>	<b>72</b>	<b>70</b>	<b>72</b>	<b>95</b>	<b>68</b>	<b>58</b>	<b>84.5</b>	<b>**</b>



Course College	B.A. (H) Sociology					B.Com. (H)				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
Kalindi	-	-	-	-	-	92.5	76	75	82.25	74
Gargi	-	-	-	-	-	95	90	71	90	**
Rajdhani	-	-	-	-	-	93	75	70	84	75
Shivaji	-	-	-	-	-	95	72	70	80	65
SVC*	92	81	85	83.5	77	96.25	86.5	76	92	75
JDM*	81	71	72	73	68	93.25	67	56	80	56
ARSD*	-	-	-	-	-	94.5	74	60	84	60
DCAC*	-	-	-	-	-	95	89	73.5	70	70
Moti Lal (M)	-	-	-	-	-	94	78	70	68.5	70
RLA (M)*	-	-	-	-	-	94	73	73	83	78
PGDAV (M)	-	-	-	-	-	92.5	75	65	83.5	55
Desh Bandhu	-	-	-	-	-	93	73	**	82	**
KNC*	87.5	74	79	74	72	95	87	87	88	86

Course College	B.A. (Prog)***					B.Com. (Prog)***				
	GEN	SC	ST	OBC	PwD	GEN	SC	ST	OBC	PwD
<b>Maitreyi</b>	<b>76</b>	<b>68</b>	<b>73</b>	<b>68</b>	<b>**</b>	<b>91</b>	<b>63</b>	<b>53</b>	<b>83.5</b>	<b>**</b>
Kalindi	72	64	57	62	57	88.5	69.75	65	78.5	70
Gargi	83	70	70	73	58	93	73	64	86.5	**
Rajdhani	77	65	66	72	57	NA	NA	50	79	50
Shivaji	77	72	60	74.25	54	91	70	65	79.5	60
SVC*	87.5	81	81	84	73.5	91.25	82.5	74.5	91	79
JDM*	72	65	60	64	60	89.25	67	55	78	55
ARSD*	80	75	66	76	63	91	72	70	82	60
DCAC*	81.75	75	66	76	70.5	92.25	87.5	68	64	64
Moti Lal (M)	77	71	66	75	67	91	74	67	84	66

RLA (M)*	81	77	76	79	77		91.5	72	72	82	74
PGDAV (M)	75	63	58	65	50		90	68	54	80	53
Desh Bandhu	75.5	65	62.5	66	**		-	-	-	-	-
KNC*	81.5	70	70	70	69		91	83	83	84	82

Course College	B.Sc. (H) Botany					B.Sc. (H) Chemistry				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
<b>Maitreyi</b>	<b>80</b>	<b>73.66</b>	<b>73.66</b>	<b>75</b>	<b>**</b>	<b>91.33</b>	<b>73</b>	<b>73</b>	<b>88.33</b>	<b>**</b>
Kalindi	****	****	****	****	****	****	****	****	****	****
Gargi	83	74	68	77	**	93	82	72	88	59
Rajdhani	-	-	-	-	-	85	72	62	83	62
Shivaji	80	73	65	80	60	89	80	74	86.6	70
ANDC*	81.3	72	62	76	55	90	75	65	86	55
ARSD*	-	-	-	-	-	90	73	58	73	56
Desh Bandhu	77.6	73	70	76	**	88	72	71	82	**

Course College	B.Sc. (H) Maths					B.Sc. (H) Physics				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
<b>Maitreyi</b>	<b>93</b>	<b>75</b>	<b>75</b>	<b>88</b>	<b>**</b>	<b>90</b>	<b>80</b>	<b>65</b>	<b>88</b>	<b>**</b>
Kalindi	89.75	74	54	86	54	88	68	60	86.5	60
Gargi	****	****	****	****	****	92.66	84	70	92	**
Rajdhani	87.5	73	62	82	60	88	75	55	85	70
Shivaji	92	78	75	85	70	90	72	72	87	60
SVC*	94	84	75	92	56	94.33	84	68	92	64
ANDC*	90	82.5	65	87	55	92	80	65	88	55
ARSD*	92	78	56	90	54	91	75	57	88	59
Desh Bandhu	85	82	74	68	**	91	80.33	73	85.33	**

Course College	B.Sc. (H) Zoology					B.Tech. (Computer Science)				
	Gen	SC	ST	OBC	PwD	Gen	SC	ST	OBC	PwD
<b>Maitreyi</b>	<b>84</b>	<b>72</b>	<b>66</b>	<b>80</b>	<b>**</b>	****	****	****	****	****
Kalindi	****	****	****	****	****	****	****	****	****	****
Gargi	87	76	73	82	**	-	-	-	-	-
Rajdhani	-	-	-	-	-	****	****	****	****	****
Shivaji	86	71	66	81	60	****	****	****	****	****
SVC*	90	78	76	89	65	-	-	-	-	-
ANDC*	84.66	74.66	68	80	55	****	****	****	****	****
ARSD*	****	****	****	****	****	****	****	****	****	****
Desh Bandhu	81	74	68	80	**	-	-	-	-	-

\* Full form of College Names

SVC	: Sri Venkateswara College
ANDC	: Acharya Narendra Dev College
ARSD	: Atma Ram Sanatan Dharam College
JDM	: Janaki Devi Memorial College
DCAC	: Delhi College of Arts and Commerce
RLA	: Ram Lal Anand College
KNC	: Kamala Nehru College

\*\* Candidates are required to contact the college.

\*\*\*Courses discontinued under FYUP and restored in the year 2014-15.

\*\*\*\*Courses introduced under FYUP and discontinued in the year 2014-15.

Source: DU website [www.du.ac.in](http://www.du.ac.in)

Cut off percentages for B.A. (Prog.) and B. A. (H) English pertain to Arts and Humanities only, as most students who take up these courses are assumed to be coming from these streams.

#### 2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

Admission Committee is constituted every year with teacher representatives from all the departments. The first meeting of the

committee is convened before the admission process starts. In this meeting, the admission process for the previous academic years is reviewed. With the inputs and suggestions of the committee members, strategies to make the admission process more efficient and student friendly are devised. Consequent meetings are convened for deciding the cut-off percentages to be announced in the subsequent lists. These meetings ensure that decisions are taken democratically to enable smooth functioning of the entire admission process.

The college, however, does not review student profile as admissions are made strictly on merit basis and all the students who meet the cut-off criterion are admitted. All documents are verified at the time of admission.

- 2.1.5 Reflecting on the strategies adopted to increase/improve access for the following categories of students, enumerate on how the admission policy of the institution and its student profile demonstrate/reflect the National commitment to diversity and inclusion**
- a. SC/ST**
  - b. OBC**
  - c. Women**
  - d. Differently abled**
  - e. Economically weaker sections**
  - f. Minority community**
  - g. Any other**

For admission to various courses in an academic year, the college follows the reservation policy as adopted by the Government of India and the University of Delhi with respect to SC/ST, OBC, differently abled (PwD), foreign students and widows/children of military personnel killed in war. There is no separate reservation for women (since Maitreyi College is a women's college), economically weaker sections and minority communities. However, the Freeship Committee of the college seeks to provide economic support to the financially weak students.

- 2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends, i.e. reasons for increase/decrease and actions initiated for improvement.**

The University has overhauled the application process in the recent years in its endeavour to make it more student-friendly. Accordingly, the students are no longer required to apply in individual colleges for admission. A centralized form with multiple options for courses and colleges could be filled in by the applicant.

Prior to 2013-14, students were given the option of filling up the centralized form or the college specific form. With introduction of

FYUP in 2013 and restructuring of courses offered by the college, all the eligible students were admitted whether they applied specifically or not. With the rollback of FYUP and re-introduction of the three-year undergraduate programme in 2014-15, the University required application forms to be filled up online. Filling up off line forms was altogether done away with. As a result of the policy changes at the level of the University, data required for deducing trends is lacking.

## **2.2 Catering to Student Diversity**

### **2.2.1 How does the institution cater to the needs of differently abled students and ensure adherence to government policies in this regard?**

The college has made earnest efforts for catering to the needs of differently abled students (also called Persons with Disabilities, PwD). All the existing structures are made disabled friendly by means of slants and ramps with firm hand rails and yellow tiles. Key instructions in the college premises are also written in Braille. Currently, the college is in the process of renovating toilets to make them disabled friendly and installing lifts on priority basis. Wheelchairs are available for orthopedically handicapped students.

The library is equipped with special learning devices for visually challenged students. Few books in Braille and audio CDs are also available. Screen reading software Supernova and JAWS have enabled the visually impaired students. The 'Enabling Unit' of the college, formed in the year 2011, takes care of the special needs of differently abled category of students and faculty. This unit has created a 'Reader and Writer Bank' (required under the new examination policy of the University of Delhi) to help students whenever required. Fee waivers are extended to such students in accordance with the recent guidelines of the University of Delhi.

### **2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details of the process.**

The college does not assess the needs of the students in terms of knowledge and skills before the commencement of the programme. Students are admitted on the basis of cut-offs declared separately for different categories. Teachers are aware of the fact that there will be variation in the needs of the students in terms of knowledge, presentation skills etc. The faculty makes a quiet and sincere assessment of such needs, adopting the most suitable teaching strategy.

### **2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the**

**programme of their choice?**

The tutorial classes (with 8 – 10 students) facilitate one to one interaction. Students can easily resolve their difficulties without being self-conscious. The problem of bilingual medium of instruction is solved amicably in such smaller groups especially in those disciplines where the medium of instruction is English (like in Commerce, Economics and Sociology). The college has a provision of remedial classes that generally start in the month of August for the benefit of SC/ST/OBC and other students who so require.

**2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?**

The college strives for providing holistic education beyond academic excellence. The college has Eco Club called 'Prakriti' supported by the Ministry of Environment and Forests. It organizes awareness programmes and inter-class competitions on relevant themes for students. Trips are organized to places like Yamuna Biodiversity Park, Jim Corbett Park etc. to make students aware of different ecological habitats with specific plants and animal species. Besides, various student enrichment programmes are organized on regular basis which include special lectures/workshops/seminars/symposium with external experts.

The college has a Gender Sensitizing Committee (working along with College Complaints Committee against Sexual Harassment) which undertakes a variety of activities like skits, poster-making, slogan writing and declamation competitions on gender-based issues with a regular theme – '**I Will Fight**'. This is especially relevant in a college like Maitreyi whose entire student population comprises of young women.

The Medical Health & Hygiene Committee of the college holds lectures, interactive sessions by leading doctors, health and fitness experts and nutritionists. Free health check-up camps and 'Health Melas' have been organized, in association with leading hospitals like Fortis Escorts Heart and Research Hospital, Max Hospital, Vasani Eye Care Centre etc. in recent years. Students are educated through health awareness programmes comprising of health quizzes and poster-making competitions. The college also presented a programme in the 6<sup>th</sup> Annual National Conference of Medical Fitness Society at the India International Centre in 2012.

The Women Development Cell is endowed with the responsibility of organizing lectures and workshops on gender issues.

The NSS unit of the college is engaged in many community services. Major participation is seen in Adult Literacy Camps, Blood Donation Camps, with Blind Relief Association and Spastic Society.

Need for any special efforts for inclusion has so far not been felt in our college, as no discrimination on the basis of caste and creed is made.

### **2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?**

Maitreyi College does not have a formal mechanism to identify and isolate advanced learners. However, through some secondary signals like inquisitiveness, regularity in the class and good conduct, promising students are identified. Such students are encouraged to avail the resources such as books, journals, computers and internet facilities available in the library. They are advised and provided with all possible support to participate in literary events outside college to develop their potential.

### **2.2.6 How does the institution collect and analyze and use the data and information on the academic performance (through the programme duration) of the students at the risk of drop out (students from the disadvantaged section of the society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?**

Performance in class tests, quality of assignments and end-semester results are the indicators of the academic performance. These, along with other features like attendance records, involvement and interaction during classes help assess potential drop outs. Our faculty makes a sincere attempt to generate and sustain the interest of such students in the classroom and also in the smaller groups and individual interactive sessions.

Economically weaker sections get an advantage of fee waivers, book bank facility and issue of textbooks on long-term basis. Teachers offer their own books as well as complimentary copies to deserving students.

## **2.3 Teaching-Learning Process**

### **2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)**

The academic calendar of the University is followed by the college. In some courses, the parent department gives a teaching plan along with the syllabus which the teachers follow and modify according to their requirements. For the remaining courses, teachers use their discretion to complete the course within the prescribed academic calendar. Time-tables of the different courses are uploaded on the college website before the session commences. University blueprint in the form of

internal assessment, exam schedule etc. is adhered to. It is broadly mentioned in the prospectus, detailed in the college and departmental orientations, and finally elaborated in the class by the respective teachers.

### **2.3.2 How does IQAC contribute to improve the teaching –learning process?**

Internal Quality Assurance Cell (IQAC) has been constituted in April 2015. It works for quality monitoring and enhancement through concerted efforts of its members and the management.

Since the inception of IQAC, obtaining feedback on various parameters has become obligatory. The forms include parameters such as infrastructure, faculty involvement, curricular aspects, etc. Analysis of feedback from different stakeholders will form an integral part of the strategy to be adopted for improvement of teaching-learning process.

### **2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?**

A genuine attempt is made to make students more responsible towards their learning process rather than being just passive listeners in the class. In this attempt, technological support is provided to teachers and students alike in the form of a Wi-Fi enabled campus, projectors in classrooms, e-journals subscribed by the University and a rich collection of the latest books, journals and magazines in the library. Additionally, e-lessons designed by ILLL are expended by teachers and students.

Every department has an Association with elected student representatives. It organizes intra- and inter-college festivals which promote interactive and collaborative learning through events like debates, paper presentations, quizzes, lectures by eminent speakers etc. The students are given authority to coordinate the events. Projects encourage independent learning among the students.

### **2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?**

Students are encouraged to take up project based learning in real world issues and problems. Funds received for the projects under Star College Scheme and Innovation and Gyanodaya schemes of DU are due to exemplary creativity and critical thinking exhibited. Assessments of the achievements under these projects showcase the scientific temperament.



Regular participation in extracurricular activities and in inter- and intra-college events and festivals, keep our students creatively involved in diverse fields like music, dance, painting, photography and dramatics.

Apart from exhibiting excellence in academics, our students have an established tradition of continuous achievements in the field of sports, NCC, NSS and cultural activities, details of which are given in 5.3.2.

**2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.**

Teaching with technology creates a collaborative platform through which students and teachers can brainstorm a session in real time. Wi-Fi enabled campus accomplishes maximum use of technology. The bandwidth of internet connections provided by the University of Delhi has been increased to 100 Mbps from 40 Mbps in 2013-14. Many classrooms have ICT tools (projectors and smart boards) to enhance teaching-learning process. The Institute of Life Long Learning has made e-resources available for students. Google docs, emails and WhatsApp groups are used extensively to share documents and information. The college library has access to many e-journals subscribed by the University of Delhi, which our faculty makes optimum use of.

**2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?**

Regular seminars, expert lectures and workshops are held at department as well as college level. Prominent speakers such as Dr Shikha Sharma (Health and Nutrition), Prof. H. Y. Mohanram (Botany), Prof. J. M. Khurana (Chemistry), Prof. K. Sreenivas (Physics), Prof. J. P. Sharma (Commerce), Prof. Pami Dua, Dr Arun Kumar, Dr Manoj Pant (Economics), Dr Virender Bhardwaj (Hindi), Dr Patricia Oberoi (Sociology), Dr R. Haldar (Political Science), Dr G. J. V. Prasad (English) to name a few, have come to the college to enlighten and interact with the students and faculty.

The faculty also attends orientation and refresher courses and workshops from time to time to update their knowledge. The teachers participate in national and international conferences regularly to keep abreast with the latest research trends and to enhance their own academic pursuits.

**2.3.7 Detail (process and the number of students \ benefited) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?**

Besides scheduled lectures and tutorials, teachers make themselves available to the students to resolve their doubts and problems. Remedial classes are arranged to cater to special requirements of weak students. Wherever reading material or books are not available in Hindi language, the teachers translate and provide extra help to the students who so require. Due to the cordial atmosphere and free student-teacher interaction, the faculty informally counsels and guides students who are facing difficulties at personal or psycho-social levels. The college doctor also offers similar help and support to the students, if required. Psychologists, gynecologists, dieticians and other specialists are made part of the 'Health Mela' to provide one-to-one consultations to the students.

The statistical data on the exact number of students who have benefitted was not maintained by the college. However, in the 'Health Mela' held in the year 2014-15, the collaborating hospital informed the college that over 150 students had consulted their specialists.

**2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?**

Though the traditional chalk and talk method of teaching is still in place, yet learning in the college is not restricted within the four walls and the students learn continuously even outside the classroom.

Innovative teaching methods are gradually being adopted through an increased use of computer and internet facilities, online video lectures, e-journals and smart phones too (to some extent). The college has made modern infrastructure available, projectors in classrooms and lecture theatres and a Wi-Fi enabled campus.

Teaching strategies are also changing to bring creativity into the curriculum. Students are taken to field trips to see real life applications of the knowledge acquired in classrooms. For such trips, grants are sanctioned and teachers accompanying the group are allowed duty leave.

Projects, presentations and discussions make the classroom a lively and creative space for students and teachers. Projects with interdisciplinary approach are adopted to create new zones of interest. The exercise keeps the students enthused to be more receptive in related fields as well.

### **2.3.9 How are library resources used to augment the teaching - learning process?**

Our library regularly updates stocks of books, journals and magazines, in an attempt to give teachers and students the latest pool of available knowledge and resources. Students and teachers extensively use the library computer facilities and internet services. They have free access to e-journals and research oriented websites subscribed to by the University. Access to subject databases and University question papers augment the resources available to the learners.

All these resources give appropriate and extensive information to teachers and students alike for lectures, projects and assignments, thereby augmenting the learning process.

### **2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.**

The institution does not face any challenge in completing the curriculum within the planned time frame and calendar, as long as the schedule does not witness frequent unforeseen disruptions. Under such circumstances, extra classes are fixed by the teachers. It is ensured that the curriculum is completed within the time frame by making temporary arrangements as and when required.

### **2.3.11 How does the institute monitor and evaluate the quality of teaching learning?**

We adhere to a systematic and planned approach towards curriculum and evaluation methods. Regular meetings of departments are held by Teachers-in-charge to discuss course coverage, internal assessment and student performance.

There is a constant exchange of views and suggestions between students and teachers. Modifications by the teacher are introduced in the delivery of the information based on the feedback.

Teachers are accessible to students for academic as well as personal problems even outside the classroom.

## **2.4 Teacher Quality**

### **2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.**

The college advertises permanent posts of assistant professors in various departments on need basis. A Screening Committee is then formulated to scrutinize and screen all application forms under the given guidelines of UGC and the University of Delhi. The Selection Committee is constituted according to the University guidelines and appointments of the faculty are made on the basis of merit, as assessed by the Selection Committee. The committee is strict with selection criteria, adheres to the guidelines and ensures that only efficient candidates are appointed.

To retain the selected faculty, a healthy learning atmosphere is provided, timely disposal of salary is ensured and the freshly recruited faculty is encouraged to participate in seminars, conferences and workshops to further enhance their knowledge. The existing faculty members are also involved in these activities for enhancement of their knowledge. **Table 2.3** shows the data of faculty as on May 21, 2015.

**Table 2.3**

Highest qualification	Principal		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent Teachers</b>							
D.Sc./D.Litt.	-	-	-	01	-	-	01
Ph.D.	01	-	-	44	-	24	69
M.Phil.	-	-	-	12	04	15	29
P.G.	-	-	-	04	-	04	08
<b>Temporary Teachers</b>							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
P.G.	-	-	-	-	-	-	-
<b>Ad-hoc Teachers</b>							
Ph.D.	-	-	-	-	01	21	22
M.Phil.	-	-	-	-	06	42	48
P.G.	-	-	-	-	-	-	-

**2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

There has never been a scarcity of qualified senior faculty. Eminent speakers and subject experts are invited to familiarize and equip the faculty to teach new programmes and emerging areas of study being introduced. This becomes a part of faculty training. Courses such as Biotech, IT, Bioinformatics are not yet part of the curriculum of courses being offered by the college.

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

To enhance the quality of a teacher as part of continued training, the college organizes workshops and seminars where distinguished speakers are invited from other institutes to impart extended knowledge on existing subjects and courses.

The college also sends its faculty to other institutes and colleges to attend workshops etc. as part of their training. The freshly appointed teachers are encouraged to attend refresher and/or orientation courses as part of their training. The faculty is also introduced to audio-visual aids/multimedia to enable them to use these tools for improved teaching.

#### a) Nomination to various staff development programmes

**Table 2.4** provides the number of faculty nominated to various staff development programmes during the last four years.

**Table 2.4**

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	18
HRD programmes	01
Orientation programmes	23
Staff training conducted by the university	--
Staff training conducted by other institutions	21
Summer / winter schools, workshops, etc.	43

#### b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning in

- Teaching learning methods/approaches
- Handling new curriculum
- Content/knowledge management
- Selection, development and use of enrichment materials
- Assessment, Cross cutting issues
- Audio Visual Aids/multimedia
- OER's
- Teaching-learning material development, selection and use

The college focuses on empowerment of faculty to improve teaching - learning methodology by nominating them for refresher and orientation courses. The programs attended/organized are detailed in Criterion III.

**c) Percentage of faculty:**

**Table 2.5** provides the percentage of faculty involved during last four years as resource persons in, participated in, presented papers in Workshops / Seminars / Conferences organized by external agencies.

**Table 2.5**

Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies	<b>8 %</b>
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	<b>59 %</b>
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies.	<b>27 %</b>

**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programmes, industrial engagement etc.)**

The college provides support to teachers in the form of study leave while the University of Delhi and UGC provide research grants, support for research and academic publications.

**2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.**

Over the last four years, eight teachers have received awards for excellence in teaching. The college is proud to highlight that three teachers, one each from Botany, Physics and Chemistry departments have received 'Meritorious Teachers' Award of the Directorate of Higher Education, Government of Delhi, for three consecutive years from 2010-11 to 2012-13 and two teachers have been awarded 'Teachers' Excellence Award' by the University of Delhi in 2009 (*Refer Table 3.13*).

The college encourages the efforts of the faculty in the fields of training, teaching and research. It felicitates the achievers and promotes and incorporates new ideas, so that it positively influences the entire faculty to take their teaching beyond the classroom.

**2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?**

There is no formal system of evaluation of teachers by the students and external peers. However, informally, regular feedback is obtained as evident in the number of awards received by the teachers. This also serves to motivate others to improve and enhance their teaching skills.

**2.5 Evaluation Process and Reforms**

**2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?**

Our college is a constituent college of the University of Delhi. Hence, the criterion for evaluation is set by the University and is available to the faculty members through guidelines mentioned on the University website and departmental circulars/notifications. Teachers-in-charge stay in touch with their respective Departments at the University and colleagues in other colleges. They also keep a record of all the circulars for ready reference. Department Heads at the University are available for clarifications through their e-mail ids.

The college prospectus gives a broad outline of the evaluation process, especially the internal assessment, for the new entrants to the college and their parents/guardians. The same is detailed in the departmental orientation programmes conducted at the beginning of the session and is reiterated by the teachers for their respective subjects during each semester. Moreover, students are advised to go through the University and college websites to keep checking for any amendments or updates made by the University.

**2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?**

The last four academic sessions have seen many reforms initiated by the University of Delhi in the evaluation of the students.

- The introduction of semester system in under-graduate courses in science in the year 2010-11 has been a major reform. The same was extended to all the courses in the subsequent year. With the semester system, the evaluation process constituted of end-semester exams and internal assessment, comprising of



marks for attendance, class tests/home assignments. The percentage distribution varied across courses as defined by the University.

- In 2013-14, with the introduction of the Four Year Undergraduate Programme (FYUP), the internal assessment was modified to comprise of individual/group presentation/project reports along with class tests. Evaluation of the Foundation courses, introduced for the first time by their nomenclature, was done at the college level only.
- In 2014-15, as the University reverted to the semester system, the erstwhile internal assessment system was restored.
- For the evaluation of exam answer scripts, the University had already started the centralized evaluation process. In 2012-13 and 2013-14, the University sought to improve the evaluation process, whereby the end-semester examination scripts were evaluated by three examiners instead of only one. However, in 2014-15 this system was scrapped.
- From 2013-14 onwards, every answer book carries a unique number. The answer books are distributed to the examinees in the serial order of these numbers in each room of the college. The record of the same is maintained in duplicate in the attendance sheet filled by the students.
- The answer scripts are redesigned with a separate column for the name and signature of the invigilator. Besides, the answer scripts have a perforated marking of DU on the top of each page of the book.
- Answer books of the absentees, marked with their roll number and relevant particulars of the exam by the invigilators, are dispatched by the centre along with the used answer books to the Examination Branch of the University.

At a micro level, the college makes an effort to refine the evaluation process within the framework prescribed by the University. For instance, students are given an opportunity to improve their scores by way of re-tests, permitting re-submission of assignments/projects. Regular class tests are conducted to ensure that the students are well prepared for their final exams. The Science departments organize mock practical exams to equip students to tackle the University practical exams more confidently.

### **2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?**

Evaluation reforms are implemented in the college through a joint effort of the administration, teachers and students.

The college keeps its students well informed about the evaluation criteria, especially the break-up of internal assessment marks. They are made to understand the calculation of marks for attendance in the



beginning of each semester. Their monthly attendance record is uploaded on the college website so that they have an idea about their marks for attendance. They are informed well in time about tests/assignments etc. so that they get sufficient time for preparation and can perform well. The final internal assessment record is signed by them before it is reviewed and cross-signed by the Internal Monitoring Committee.

Teachers-in-charge remain in touch with their respective departments and the University administration and seek clarifications in case of doubt. New and ad-hoc teachers are suitably guided regarding the evaluation process by the senior teachers in the department.

A hard copy of the exam evaluation schedule set by the University is circulated among the teachers so that they can participate in the centralized evaluation process. Their invigilation duties are adjusted according to dates of evaluation of their paper(s).

**2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.**

Formative assessment is undertaken through frequent sessions of text and concept based questioning along with written practice on a continuous basis. The area of study included for such formative assessment is generally small and focused so that it integrates with the ongoing units and sections of the syllabus being taught in the class.

Summative assessment is conducted through elaborate formal assignments, projects/presentations and the University's end-semester written examination. Each student writes an assignment and prepares a project or presentation. The topics given to the students are detailed and carry a wider scope of research and study.

**2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.**

The entire evaluation process as set by the University of Delhi is followed with full rigour and transparency. As a first step, complete information is placed in public domain through relevant websites of the University of Delhi and that of the college, whereby current and complete information is made available to teachers, students (and parents) on the system of internal assessment.

The division of internal assessment marks is strictly adhered to. The exact formula for calculation of attendance is implemented. Students are given full right to understand and question their marks. Thus,

assignments and tests, after being checked by the teachers, are discussed in detail in the class and queries of students are fully resolved so that they are made aware of the reason for losing marks. Display of monthly attendance on the college website and the signing of the internal assessment record by the students before submission to the University, maintains transparency in the system.

Though the University has not kept any separate marks for behavioural aspects of students, the class tests and presentations exhibit students' attitude and personality traits like originality of work, writing and communicative skills, confidence and general demeanour which are reflected in the marks scored by them.

**2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?**

The college aims at the overall personality development of its students so as to make them confident, independent and self-driving individuals. The obvious aspects of academic understanding are deep knowledge, rationality and an ability to reason.

The dedicated staff of the college imparts the highest quality of education to the students. Additionally, the students are exposed to various kinds of activities like dance, music, sports, photography, debate etc. in which they take part according to their interests. Various inter- and intra-college events like seminars, debates, quizzes, field surveys and educational trips contribute towards practical application of theoretical knowledge. At the time of admission, every student of the college is made to opt for at least one activity out of Sports, NCC or NSS. This teaches them teamwork, interdependence, responsible participation and community service, both within and outside the classroom environment. When they graduate, the students are much more confident and socially aware of their roles as responsible citizens of the country.

**2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?**

The grievances related to internal assessment of students are addressed to and taken care of at the most basic level, i.e. by the concerned subject teacher. The Internal Monitoring Committee is the final authority to address any grievances related to internal assessment at the college level.

If a student is not satisfied with the marks awarded in the final University Examination, then she can apply to the University for re-evaluation of her answer script. In the latest move, the University provides a photocopy of the evaluated answer script to the students

upon demand, to attend to their grievances (within a stipulated time period).

## **2.6 Student performance and Learning Outcomes**

### **2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?**

The college focuses on three primary learning outcomes:

- a) Building a knowledge base through regular studies
- b) Developing critical insight into texts
- c) Developing an independent and rational attitude that questions established norms or ideas.

This general model of learning is a classic one in place for generations of students in the history of the University of Delhi. Though it is not stated in concrete terms, it is reflected in the teaching style of the teachers and the students absorb it automatically. They are seen going into finer details of the texts, instead of just having an exam-oriented approach. This approach however, is meant to function within the framework of the prescribed syllabus.

Along with making the students academically sound, the college places due emphasis on participation of students in co-curricular activities with an objective to make them versatile. Students enroll themselves in different societies like debate, dance, music, drama etc. and manage time to enhance their talent and skill.

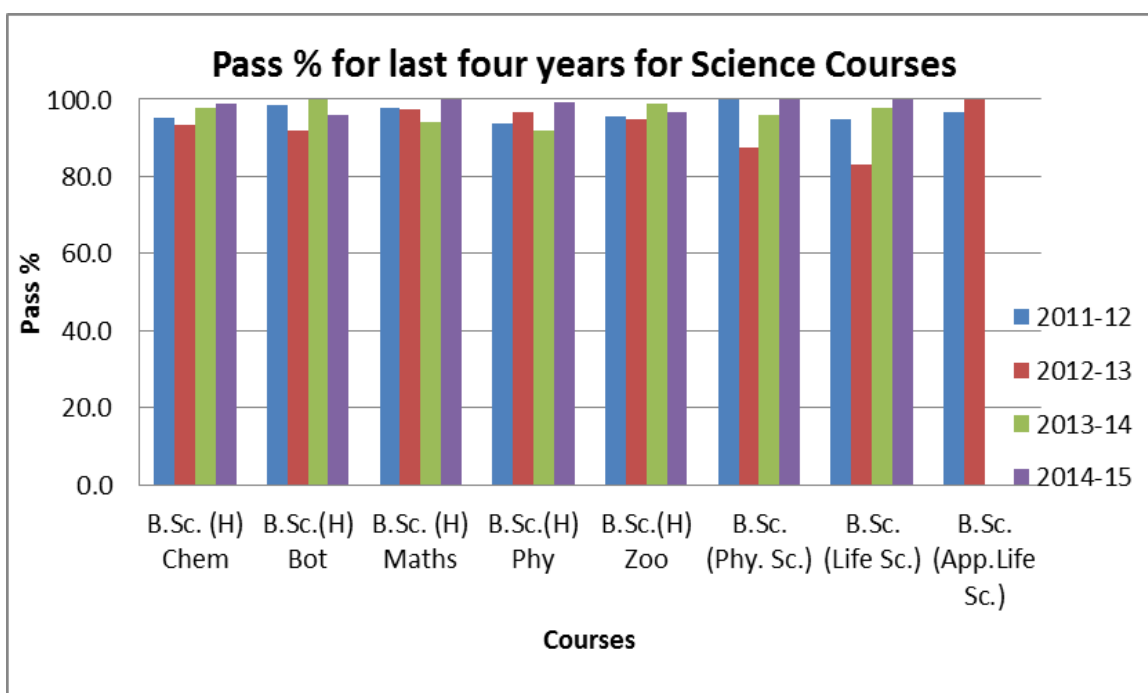
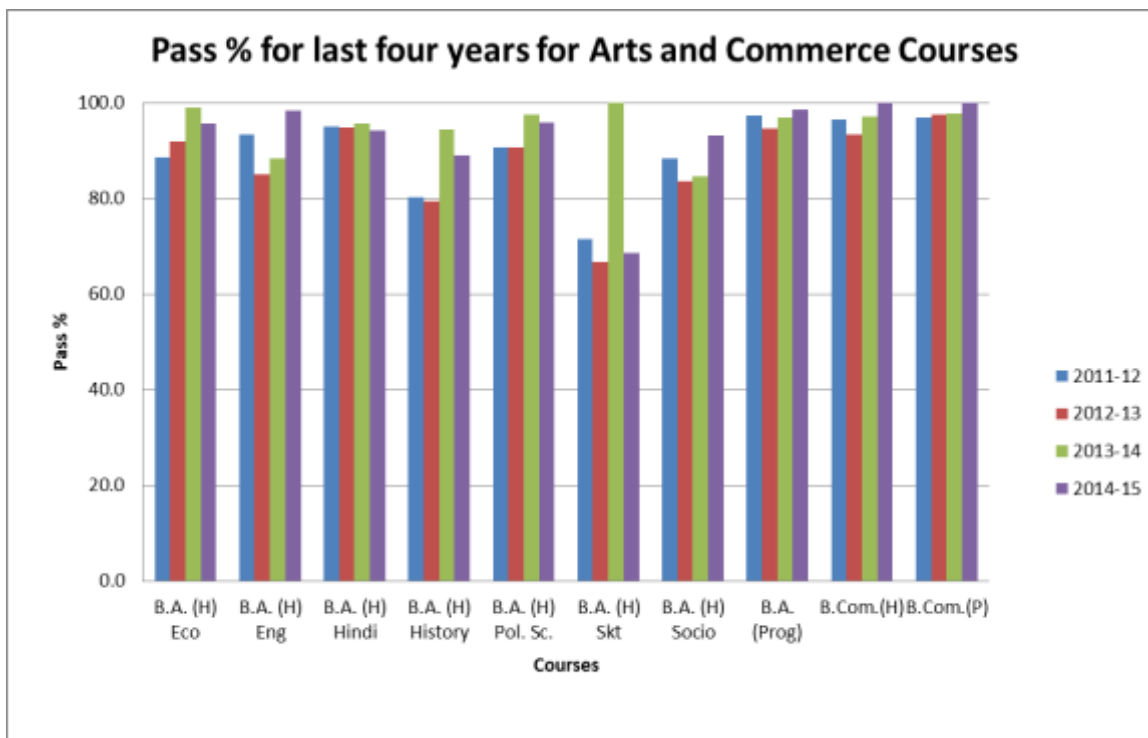
### **2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.**

The progression of the students during the course is monitored from time to time in the form of class tests and assignments given to them by the faculty of each department. Results of the class tests are communicated to the students and evaluated answer scripts are shown to them. The answers are discussed in the class to clear any doubts and mistakes.

The internal assessment marks are displayed on the college notice boards. Students are given a chance to rectify any discrepancy. Finally, the internal assessment marks are shown to the students individually and their signatures are obtained on the result sheets.

The Principal of the college presents an analysis of the end-semester results of all courses in the Staff Council meeting held after the results are declared. The achievements as well as worrisome results are

discussed and the future plan-of-action is deliberated upon. Besides this, the subject teachers and the Teachers-in-charge of each department also monitor the performance of students of their department at their own level.



The pass percentage of students in all the courses clearly shows that the overall results are consistently high in all the years covered in the graphs. There are, of course, some minor variations from year to year and from course to course. Highest variation is shown by B. A. (H) Sanskrit while least variation is returned by B. Com. (Prog.). For Science courses, 2014-15 was a good year wherein three courses returned 100%.

Our claim that our results are good is reinforced by the University positions secured by our students, among the colleges in the South Campus of DU, as shown in the **Table 2.6** below.

Data is available for academic years 2011-12 and 2012-13 only, where the comparison was facilitated through the DU gazette. However, since 2013, the result format does not allow the comparison and results can now be individually accessed by the candidate from the University's website.

**Table 2.6**

S. No.	Name	Course	Percentage	University Position in SDC
<b>2012 – 2013</b>				
1	Devika Gaur	B.Sc. (H) Botany	82.70	II
2	Preeti Bhauriyal	B.Sc. (H) Chemistry	86.78	II
3	Ruchi	B.Sc. (H) Physics	85.18	III
4	Priyanka Devi	B.Sc. (H) Zoology	80.27	IV
5	Himani Sharma	B.Sc. Physical Science (Chemistry)	71.29	IV
6	Nidhi Sharma	B.Com. (H)	80.94	III
<b>2011 – 2012</b>				
1	Swati	B.Sc. (H) Maths	90.22	I
2	Inderpreet Kaur	B.Sc. (H) Physics	84.88	II
3	Sonu Vincent	B.Sc. (H) History	62.90	III
4	Gita Kumari	B.Sc. Physical Science	78.77	I
5	Vinita Yadav	B.Sc. Physical Science	75.37	II
6	Arohi Dixit	B.Sc. Applied Life Science	67.77	I
7	Annu	B.Sc. Applied Life Science	62.88	II
8	Monika Gupta	B.Sc. Applied Life Science	61.88	III
9	Monika Yadav	M.A. Maths	74.12	III

Our students excel not only on academic front, but they also do so proud by winning prizes in co-curricular activities conducted by prestigious institutions like AIIMS, IITs, BITS Pilani and in various colleges of DU.

After passing from our college, a large number of students go for post-graduation or other professional courses like CA/CS etc. Some join corporate jobs, media or academics, while some are known to be involved in social work, full time or along with their other endeavours. Our students have done us proud wherever they are.

**2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?**

Teaching and learning strategies are made result oriented by focusing on timely completion of the syllabus, regular tests and assignments and ensuring conceptual clarity. Critical thinking is encouraged through class discussions and projects. Students are given real life experience of theoretical knowledge through field trips etc. While some students are encouraged to participate in Innovation Projects, others are encouraged to excel in co-curricular activities and social service.

The college provides all the possible infrastructural support for attainment of learning outcomes. Various societies formed under the aegis of the Student Union like dance, drama, fashion, and music society etc. give an opportunity to the students to polish their talent.

**2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?**

Our college has taken many initiatives to enhance the social and economic relevance of the courses:

- Subject societies of each department organize special lectures, seminars and workshops conducted by experts of industry and academics, to make students aware of the social and economic relevance of the course.
- Different departments organize field trips during the semester break so that students gain hands-on experience on a variety of social and academic issues.
- The college has a Career Counseling & Placement Cell which organizes a placement fair every year, where different companies like Ernst and Young, KPMG, Deloitte etc. participate. This has provided job opportunities to a large number of students.
- Some science students are involved in the DU Innovation Projects which build their research aptitude.

**2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?**

Internal assessment data is maintained by all teachers and submitted to the office at the end of each semester. A consolidated CD of the internal assessment marks for all the subjects is prepared by the office staff and the same is sent to the University. The CD of the final examination results is obtained from the University on request.

A thorough analysis of the results is done in the Staff Council meeting. This is followed by departmental meetings and discussions with students. At both the forums, the strong points and outstanding achievements are applauded and the success stories are discussed so that more students excel in the future. Cases of unsatisfactory performances are understood in detail so that barriers to flow of knowledge are overcome.

**2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?**

The institution depends on individual teachers to monitor the achievement of learning outcomes. Monitoring the progress of students is a continuous and regular process done by individual teachers during the course of their lectures. Performance in class tests and assignments enable teachers to judge students' understanding and analytical skills. The records of the students getting placements are also used as an indicator of the achievement of the learning objectives.

**2.6.7 Does the institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.**

The assessment and evaluation outcomes are indeed an indicator of student performance and their understanding. Performance in class and marks obtained in class tests/home assignments help teachers in separating weak students from average and advanced learners.

According to the performance analysis, planning is done so that the learning objectives are achieved for one and all. For instance, remedial classes for weak students are arranged. Many students who use Hindi as a medium of answering and understanding face problems due to lack of books and resource material and are thus unable to score well.

Teachers explain the concepts to them in Hindi and also translate the course material, if need be. Hindi medium sections are made if the number of students is enough to necessitate it. Thus, the teachers

modify their teaching strategies according to the need of the students with support from the college administration.



## **CRITERION III**

### **RESEARCH, CONSULTANCY AND EXTENSION**

## **CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**

### **3.1 Promotion of Research**

#### **3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?**

Although the college does not have a recognized research center of the affiliating University or any other agency / organization, yet research facilities available in the institutes in and around Delhi have been meaningfully accessed for research work through visits and collaborations.

#### **3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.**

The college does not have a formal research committee. However, there is a 'Star Advisory Committee' which looks after the research projects funded by Department of Biotechnology (DBT), Government of India. The composition of the advisory committee is as follows:

- Principal as Chairperson
- DBT representatives (one Technical and one Finance)
- At least two members from each of the beneficiary science departments
- External experts (Two)
- Mentor
- Member Secretary

The Star Advisory Committee puts forth its recommendations from time to time. A few key recommendations include:

- Promoting interdisciplinary research
- Increasing student participation
- Organizing talks by eminent scientists on relevant topics for inculcating research aptitude among teachers and students
- Organizing hands-on workshops for teachers, students and lab staff to facilitate research
- Arranging visits for students to advanced research centers to update them about the recent research techniques.

The recommendations after implementation have shown positive shift towards our goal of generating and sustaining interest in science. The interdisciplinary approach has resulted in publications in journals of repute at the undergraduate level. We have been successful in generating human resource which is scientifically oriented. The efforts of some of the science faculty in this respect have been recognized by Directorate of Higher Education, Government of NCT of Delhi and University of Delhi.

### 3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- **autonomy to the principal investigator**
- **timely availability or release of resources**
- **adequate infrastructure and human resource**
- **time-off, reduced teaching load, special leave etc. to teachers**
- **support in terms of technology and information needs**
- **facilitate timely auditing and submission of utilization certificate to the funding authorities**
- **any other**

The college encourages smooth progress and implementation of research schemes and projects and undertakes various measures for the same. The Principal Investigators of the projects are given adequate autonomy to execute their work, although the teachers are not given any relaxation in their teaching load. The resources are released timely by the college. Advance money to procure equipment and chemicals or other contingency items for the project is also sanctioned. The Utilization Certificate and other related matters are taken on priority and cleared on time. In addition, the library is well equipped with latest journals and has access to network sharing by DULS and INFLIBNET. The college boasts of uninterrupted Wi-Fi connectivity in the campus. All the departments have computers and laptops to access internet for information.

The college is consistently working towards the improvement of the existing infrastructure for conducting research.

### 3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The college takes multiple initiatives to develop scientific temper and research culture among its students. Regular workshops are held for students to train them in new techniques. Students are sent for summer and winter training to various institutions and research centers to update their knowledge (*Refer 3.1.6*).

Many projects are undertaken by teachers in which students are actively involved (*Refer 3.1.5*). Talks by eminent scientists are arranged to motivate students for research (*Refer 3.1.8*). Conferences are held by the college to provide a platform where the students present their research work. Students are taken for field studies to various biodiversity parks, museums and research laboratories with latest facilities and equipment to generate interest (*Refer 3.6.1*).

The number of visits organized by different departments is summarized in **Table 3.1** with details in respective Evaluative Report

of Departments.

**Table 3.1**

S. No.	Department	No. of Visits
1.	Botany	10
2.	Chemistry	05
3.	History	03
4.	Physics	10
5.	Punjabi	02
6.	Sociology	05
7.	Zoology	09

**3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.**

Faculty involvement in active research is summarized in **Table 3.2.**

**Table 3.2**

Department	Faculty Name	No. of students involved	Year	Funding agencies	Research /Project	Status
Botany	Dr Atika Chandra (Co-Supervisor)	01	2010-2015	INSPIRE fellowship of DST	Ph.D. thesis	Submission awaited
Commerce & Economics	Ms Jyotsna, Dr Saroj Rani	--	2013-2015	ICSSR	International Project	Ongoing
Botany & Physics	Dr Atika Chandra, Dr Kiran Sehrawat & Dr Ritu Dhingra	05 (Botany) 05 (Physics)	2013-2014	DU	Innovation Project	Completed
Physics & Chemistry	Dr Sadhana Pandey Dr Padma Saxena Dr Ritu Dhingra Dr Hema Bhandari	05 (Chemistry) 05 (Physics)	2013-2014	DU	Innovation Project	Completed
Maths	Ms Deepti Kaur	06 (Maths Honours) 09 (B.Sc Physical Science)	2014	DU	Gyanodaya Project	Completed
Computer Science	Ms Shikha Badhani	--	2014 onwards	DU	Ph.D.	Pursuing

Department	Faculty Name	No. of students involved	Year	Funding agencies	Research /Project	Status
Computer Science	Ms Manju Bhardwaj	--	2011 onwards	DU	Ph.D.	Pursuing
Hindi	Dr Mamta Dhawan	07	2013	DU	Gyanodaya Project	Completed
Hindi	Dr Yamini Gautam (Supervisor)	01	2015	DU	Ph.D.	Completed
Hindi	Dr Yamini Gautam (Supervisor)	01	Since 2012	DU	Ph.D.	Ongoing
Hindi	Dr Yamini Gautam (Supervisor)	01	Since 2011	DU	Ph.D.	Ongoing
Physics & Chemistry	Dr Neelima Rani Dr Amirtha Anand Dr Padma Saxena	04 (Physics) 05 (Chemistry)	2012-2013	DU	Innovation Project	Completed

### 3.1.6 Give details of workshops / training programmes/ sensitization programmes conducted / organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

To accomplish above stated objectives, the activities undertaken in the college during the last five years are enumerated in **Table 3.3** given below.

**Table 3.3**

Department	Workshop/Training / Sensitization programme
Interdepartmental workshops/events (13)	<ul style="list-style-type: none"> <li>● Training Programme for students at USIC, University of Delhi (2015)</li> <li>● 'Green Innovation for Sustainable Development' (2015)</li> <li>● Workshop on 'Fire Safety and Disaster Management' in association with CISF (2014)</li> <li>● Webinar on 'Culture of Responsibility' Botany &amp; Zoology departments in collaboration with 'American Society of Microbiology'(2013)</li> <li>● Workshop on 'Molecular Biology Techniques: Detecting DNA, RNA and Proteins' for students of Botany &amp; Zoology (2011)</li> <li>● Workshop on 'Bioinformatics' for students of Zoology &amp; Botany (2011)</li> <li>● Workshop on 'Safety Awareness' (2010)</li> <li>● Workshop on 'Safe Lab Practices' for college students and laboratory staff (2010)</li> <li>● Workshop on 'Quality Assurance Through Blended Learning' (Botany &amp; Physics), 2010</li> <li>● Upgrading Laboratory Skills in Science (2010).</li> <li>● Alternative fuels (Botany &amp; Zoology) in collaboration with Sulabh International (2010)</li> <li>● Capacity Building Workshop in ICT Skills, Maitreyi College &amp; ILL (2009)</li> <li>● 'Use of E-Resources and WWW in Teaching and</li> </ul>

Department	Workshop/Training / Sensitization programme
	Research' Maitreyi College & ILL, (2009)
Botany (06)	<ul style="list-style-type: none"> <li>● Electron Microscopy – Unraveling the Sub-cellular Cosmos (2015)</li> <li>● Genetics &amp; Genomics (2014)</li> <li>● Recent Trends in Biotechnology (In collaboration with Department of Genetics, University of Delhi, 2014)</li> <li>● Mushrooms - Future Food &amp; Medicine (In collaboration with Usha Farms, Bijwasan, Delhi, 2012)</li> <li>● Conservation Strategies (2011)</li> <li>● Industrial Training On Mushroom Cultivation (In collaboration with Usha Farms, Bijwasan, Delhi, 2010)</li> </ul>
Chemistry (01)	<ul style="list-style-type: none"> <li>● Workshop on ‘Fundamental and Practical Aspects of Biochemistry’ (2012)</li> </ul>
Commerce (02)	<ul style="list-style-type: none"> <li>● Lecture ‘Corporate Governance’ by Prof. J.P. Sharma, Dean, Department of Commerce, DU (2015)</li> <li>● Workshop on ‘Career in Investment Banking’ conducted by International College of Financial Planning (ICFP) (2014)</li> </ul>
English (03)	<ul style="list-style-type: none"> <li>● Mysticism in Literature (2015)</li> <li>● Peeping into the Popular (2014)</li> <li>● The Absurd, the Agit and the Prop: Poetics, Politics and Performance (2012)</li> </ul>
Hindi (01)	<ul style="list-style-type: none"> <li>● Kavi Sammelan (2010-11)</li> </ul>
History (06)	<ul style="list-style-type: none"> <li>● Presentation on Historical Delhi (2015)</li> <li>● Medieval Delhi (2014-15)</li> <li>● Workshop on cultural heritage of Delhi (2013-14)</li> <li>● Workshop on cultural forms in India (2013-14)</li> <li>● Workshop on Empowerment of Women and Protest Movement against Rape (2013-14)</li> <li>● Staging of a play on Conservation of Environment (Chipko Movement) (2013-14)</li> </ul>
Physics (06)	<ul style="list-style-type: none"> <li>● Workshop on ‘Understanding &amp; Using Basic Electronic Equipment’ in association with IAPT (2015).</li> <li>● ‘Physics, the Omnipresent’ under the ‘Academic &amp; Cultural Exchange Workshop’ as part of SIP organized under UKIERI (2014).</li> <li>● ‘Flying Circus of Physics’ under the ‘Academic &amp; Cultural Exchange Workshop’ as part of SIP organized under UKIERI (2013).</li> <li>● Workshop on ‘Employability and Entrepreneurship’ in partnership with the University of Birmingham, UK at the University of Delhi under UKIERI Programme (2011).</li> <li>● Quality Matters: Applying the Principles to ODL and E-Learning in association with Open University, U.K. (2010).</li> <li>● ILL Tier II ICT Workshop for Capacity Building of Delhi University Staff (2009).</li> </ul>
Sociology (04)	<ul style="list-style-type: none"> <li>● Workshop on ‘Research Methodology’ (2014-15).</li> <li>● Four seminars organized during 2014-15: <ul style="list-style-type: none"> <li>i. Annual Sociology Department Fest- ‘IMAGINE’-2015</li> <li>ii. ‘Deconstructing Love Jihad; Understanding Religion in Contemporary Times’</li> <li>iii. ‘Graffiti: Graffiti, Symbols and Urban Spaces.’</li> <li>iv. ‘Understanding the Construction of ‘Self’ and the ‘Other’.</li> </ul> </li> <li>● Two workshops on Family in India (2013-14).</li> <li>● Workshop on ‘Urban Spaces and their Meaning’ (2013-</li> </ul>

Department	Workshop/Training / Sensitization programme
	14).
Zoology (04)	<ul style="list-style-type: none"> <li>• Workshop on ‘Understanding Dynamics of Life Sciences: Concepts and Techniques’ (2015).</li> <li>• One day symposium on ‘Recent Trends in Biology’ (2015).</li> <li>• One-day workshop on Reproductive Physiology, at Reproductive Physiology and Endocrinology Lab in DU (2014).</li> <li>• Workshop on ‘Bioinformatics’ from February 23-24, 2011 under Capacity Building Fund, UGC (2011)</li> </ul>

### 3.1.7 Provide details of prioritised research areas and the expertise available with the institution.

Details of prioritized research areas and the expertise available with the institution are summarized in **Table 3.4**.

**Table 3.4**

Department	Prioritized research area/expertise
Botany	Cell Biology, Microbiology, Biodiversity, Reproductive Biology, Biochemistry, Pollution & conservation Biology, Plant Biotechnology, Plant Genetics, Phycology, Environmental Science, Plant Diversity, Bioinformatics, Applied Mycology, Developmental Biology, Molecular Biology, Plant Genetic Engineering, Genetics, Reproductive Biology of Angiosperms, Ecology
Chemistry	Physical Chemistry, Organic Chemistry, Inorganic Chemistry
Commerce	Marketing, Finance, Taxation, Corporate Social Responsibility & Corporate Governance, Finance & Law, Organizational Behaviour & Development
Computer Science	Classification Ensembles, Architectures & Compilers, Information Security, Android Security, Data Mining and Intelligent Systems, Data Base Management System, Aspect Oriented Programming, Mobile Computing, Image Processing, DBMS, Web Application Security, Security aspects in Recommender Systems, Computer Networks
Economics	Indian Economy, Statistics, Econometrics, International Economics, Globalization, Mathematical Economics, Microeconomics, Public Finance, Financial Economics
English	Modern British Poetry, Indian English Literature, Indian Classical Literature, Postcolonial Literature, Travel Writing, Nineteenth Century Literature, American Drama, Women’s Studies, Indian English Writing, Ontology/ Metaphysics Heidegger Phenomenology, Women’s Studies, Postcolonial Literature, Indian Writing in English, Postcolonial

Department	Prioritized research area/expertise
	Literature, Indian English Writing, Language Politics, Popular Culture, Indian Drama in English, English Language Teaching, Gender Studies, Body Politics, Embodiment Literature, Sports Fiction
Hindi	Kavya, Natak, Katha Sahitya, Media
History	Ancient Indian History, Modern Indian History, Medieval Indian History
Maths	Ring Theory and Topology, Coding theory, Algebra, Analysis, Operator Theory, Fixed Point Theory, Optimization Theory, Numerical Analysis, Operational Research
Physics	Atmospheric Physics, Physics of Materials and Electronics, Solid State Physics, Theoretical Physics, Experimental Nuclear Physics, Condensed Matter Physics (Theoretical), Nonlinear Dynamics, Crystallography, Electronics, Material Science
Political Science	Indian Government & Policy, International Relations, Political Theory, Colonialism & Nationalism: Kashmir Politics, Role of Caste Politics in Bihar, Reservation Policy: Role of Backward Caste in Bihar Politics, Rights for Religious Minorities in India, Western Political Thought, Indian Political Thought
Punjabi	Modern Punjabi Poetry
Sanskrit	Philosophy (Jaina Philosophy), Literature, Grammar
Sociology	Sociology of Education, Medical Sociology, Gerontology, Family and Gender, Sociology of Religion, Political Sociology, Sociology of North-East India, Urban Sociology
Zoology	Insect Biochemistry and Physiology, Biochemistry & Immunology, Cell Biology, Molecular Biology, Ecology, Biodiversity, Immuno-Endocrinology and Reproductive Physiology, Reproductive Physiology and Human Biology, Developmental Physiology, Fish Biology and Molecular Reproduction, Fish and Fisheries, Molecular Biology, Environment Science, Ciliate Biodiversity and Taxonomy

### 3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

All the departments organize talks by eminent researchers in their field on recent advances and relevant topics to motivate the students to pursue higher education. The **Table 3.5** gives the consolidated list of speakers invited by various departments.



**Table 3.5**

Department	Invited speakers & their affiliation
Botany	<ol style="list-style-type: none"> <li>1. Prof. H. Y. Mohan Ram, INSA Senior Scientist, Sri Ram Institute of Industrial Research</li> <li>2. Prof. Rup Lal, Department of Zoology, University of Delhi</li> <li>3. Prof. J. S. Viridi, Department of Microbiology, University of Delhi</li> <li>4. Prof. K. S. Rao, Department of Botany, University of Delhi</li> <li>5. Prof. A. K. Bhatnagar, Department of Botany, University of Delhi</li> <li>6. Dr Rajesh Tandon, Associate Professor, Department of Botany, University of Delhi</li> <li>7. Dr Shailendra Goel, Assistant Professor, Department of Botany, University of Delhi</li> <li>8. Dr Gurucharan Singh, Former Associate Professor, Department of Botany, SGTB Khalsa College, DU</li> <li>9. Dr Arun Jagannath, Assistant Professor, Department of Botany, University of Delhi</li> <li>10. Dr Radhey Shyam Sharma, Assistant Professor, Department of Environmental Studies, University of Delhi</li> <li>11. Prof. Deepak Pental, Department of Genetics, University of Delhi</li> <li>12. Dr Praveen Verma, Scientist V, NIPGR, Delhi</li> <li>13. Mr. Suresh Vig, Expert, Electron Microscopy, (Retired Technical Officer), University of Delhi</li> </ol>
Chemistry	<ol style="list-style-type: none"> <li>1. Prof. B. Jayaram, Department of Chemistry, IIT Delhi</li> <li>2. Dr S. Kukreti, Department of Chemistry, University of Delhi</li> <li>3. Prof. A. Ramanan, Department of Chemistry, IIT Delhi</li> <li>4. Dr G. S. Sodhi, Department of Chemistry, Khalsa College, University of Delhi</li> <li>5. Dr Rajesh Gokhle, Director of IGIB, Delhi</li> <li>6. Prof. V. K. Jain, Vice Chancellor, Doon University</li> <li>7. Prof. J. L. Sharma, Chairperson, Petrotech Society (Delhi- NCR)</li> <li>8. Prof. Gurmeet Singh, Head, Department of Chemistry, University of Delhi</li> <li>9. Prof. J.M. Khurana, Department of Chemistry, University of Delhi</li> <li>10. Dr E. Ramu, R &amp; D Centre, Indian Oil Corporation</li> <li>11. Dr G.S. Kapur, R &amp; D Centre, Indian Oil Corporation</li> <li>12. Dr J. Christopher, R&amp; D Centre, Indian Oil Corporation</li> </ol>
Commerce	<ol style="list-style-type: none"> <li>1. Prof. J.P. Sharma, Dean, Department of Commerce, University of Delhi</li> <li>2. Mr. A. K. Mishra, Famous Guru</li> </ol>
Computer Science	<ol style="list-style-type: none"> <li>1. Dr Anita Goel, Associate Professor, Dayal Singh College, University of Delhi</li> <li>2. Prof. Vasudha Bhatnagar, Department. of Computer Science, University of Delhi</li> <li>3. Mr. Vikas Jain, Founder, Adhyan Innovative Learning</li> </ol>
Economics	<ol style="list-style-type: none"> <li>1. Prof. Ram Singh , Delhi School of Economics</li> <li>2. Prof. Arun Kumar , JNU</li> <li>3. Prof. Chetak Ghatke, ISI Delhi</li> <li>4. Prof. Shri Prakash, BIMTEECH</li> </ol>
English	<ol style="list-style-type: none"> <li>1. Dr. Bodhisattva Chattopadhyay, University of Oslo</li> <li>2. Dr. Paresh Chandra, Hindu College, University of Delhi</li> </ol>
Maths	<ol style="list-style-type: none"> <li>3. Prof. Geetha Venkatraman, Ambedkar University, Delhi</li> <li>4. Prof. Rahul Roy, Indian Statistical Institute, Delhi</li> </ol>

Department	Invited speakers & their affiliation
Physics	<ol style="list-style-type: none"> <li>1. Prof. K. Sreenivas, Director, USIC, University of Delhi</li> <li>2. Dr O. P. Sharma, Deputy Director, NCIDE, IGNOU</li> <li>3. Prof. V. P. Srivastava, Senior Consultant, NCERT</li> <li>4. Prof. Ajoy Ghatak, IIT Delhi</li> <li>5. Prof. Annapoorni, Department of Physics, University of Delhi</li> <li>6. Prof. Enakshi Sharma, Department of Electronic Science, University of Delhi</li> <li>7. Prof. Amitav Sen Gupta, National Physical Lab</li> <li>8. Prof. K. C. Tripathi, Department of Physics, University of Delhi</li> <li>9. Prof. S. K. Trikha, Department of Physics, University of Delhi</li> <li>10. Prof. V. K. Jain, Amity University.</li> <li>11. Prof. M. P. Srivastava, Department of Physics, University of Delhi</li> </ol>
Political Science	<ol style="list-style-type: none"> <li>1. Ms Jaya Jaitley, Member of Parliament</li> <li>2. Ms Margarat Alva, Member of Parliament</li> <li>3. Justice L. M. Singhvi, Supreme Court advocate</li> <li>4. Mr. Tushar Gandhi, Mahatma Gandhi's Grandson</li> <li>5. Mr. Wahidullah Khan, Spiritual leader</li> <li>6. Mr. T. N. Seshan, Election Commissioner</li> <li>7. Mr. R. Haldar, IFS Officer</li> <li>8. Prof. Randhir Singh, Prof. Emeritus in Political Science, University of Delhi</li> </ol>
Punjabi	<ol style="list-style-type: none"> <li>1. Kartar Singh Duggal, Punjabi short story writer &amp; Novelist</li> <li>2. Jaswant Singh Neki, Scientist, Punjabi Poet</li> <li>3. Balwant Gargi, Punjabi Dramatist</li> <li>4. Indira Goswami, Gyan Peeth Pursakar</li> <li>5. Dr.Swaran Chandan, Punjabi Novelist</li> <li>6. Prof. Ramesh Gautam, Director ILL, DU</li> <li>7. Prof. Savyasaachi, Sociology Department J.M.I. Univ</li> </ol>
Sociology	<ol style="list-style-type: none"> <li>1. Prof. Satish Deshpande, Department of Sociology, University of Delhi</li> <li>2. Prof. Rajni Palriwala, Department of Sociology, University of Delhi</li> <li>3. Prof. Radhika Chopra, Department of Sociology, University of Delhi</li> <li>4. Dr Anuja Aggarwal, Department .of Sociology, University of Delhi</li> <li>5. Prof. Savyasaachi, Department of Sociology, Jamia Millia Islamia, Delhi</li> <li>6. Mr. Kabir Saxena, Spiritual Coordinator, Tushita Meditation Centre, Delhi</li> <li>7. Dr Reema Bhatia, Associate Prof., Department of Sociology, Miranda House, University of Delhi</li> <li>8. Ms Kavita Krishnan, Ms Nandini Rao and Ms Kalyani Roy Menon (Feminist Social Activists)</li> <li>9. Ms Aruna Roy, President, National Federation for Women</li> <li>10. Prof. Maitrayee Chowdhury, CSS/SSS, JNU</li> <li>11. Prof. Patricia Uberoi, Institute of Chinese Studies, Delhi</li> <li>12. Dr Anjali Bhatia, Associate Professor, Sociology Department, Lady Shri Ram College, University of Delhi</li> <li>13. Ms Anpu, Graffiti Artist, Delhi</li> </ol>
Zoology	<ol style="list-style-type: none"> <li>1. Prof. Rup Lal, Department of Zoology, University of Delhi</li> <li>2. Prof. K. Muralidhar, South Asian University</li> <li>3. Dr Anju Srivastava, Department of Zoology, University of Delhi</li> <li>4. Dr N. P. S. Chauhan, Amity University</li> </ol>

In addition to the above, mentors and experts associated with the

various projects also interact with students regularly.

**3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

A number of teachers have availed study or duty leave to complete research work leading to doctorate degree, writing books, etc. However, sabbatical leave has not been applied for till date. Leave is granted as per UGC and DU guidelines. Study leave has been availed by ten teachers in the last four years.

- In 2014 - 15, four teachers, one each from Economics, Commerce, Sociology and English departments
- In 2013 - 14, two teachers, one each from Economics and Commerce departments
- In 2012 - 13, two teachers, one each from Economics and English departments
- In 2011 - 12, two teachers, one each from English and Computer Science departments

**3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).**

The following initiatives have been taken up by the college:

- Awareness programmes like carbon footprint, e-waste management, milk adulteration in Delhi and NCR, contamination in MCD water in Delhi, water footprint are regularly organized.
- The Zoology department organized a one day inter-college symposium on 'Recent Trends in Biology' in 2015, for the undergraduate students engaged in active research. The research findings have been published in journals of national and international repute.
- Projects like 'Religion, Politics and Culture: Identity Formation among Tibetan Refugees in Delhi and Dharamshala' undertaken by Sociology department in 2014 created awareness to get insight into the problem of Tibetan refugees in India.
- Sensitization workshops and lectures on issues like gender, individual and society are regularly organized by Sociology department together with the WDC.
- Students and faculty of Sociology department visited Lucknow in 2011 to study the impact of urbanization and modernization on the weavers in villages near Lucknow
- Eco Club organizes visits to biodiversity parks to understand and appreciate the importance of diversity of flora and fauna.
- Medical Health and Hygiene Committee regularly organizes lectures on Lifestyle, Health & Nutrition to sensitize the community on various health issues.
- The college publishes a magazine 'Maitreyi', which includes

articles by faculty and students.

- The Science departments of the college plan to publish the Star Bulletin which will include research findings of the students and teachers.

Details of papers published with undergraduate students:

1. J. Singh, B. Roy, G Dayal, S Sunsunwal, B Yadav, C Bhardwaj, ATeotia (2015). Detection of common adulterants in milk from Delhi and NCR. DU Journal of Undergraduate Research and Innovation, Volume 1, Issue 1 pp 152-156.
2. Meena, Y., Romsha, S., Sneha, Y., Yadav, S. and Dhiman, S (2015). Effect of various solute concentrations on the membrane permeability of RBCs in human blood. Journal of Cell and Tissue Research, Vol. 15(2) 4943-4947
3. M. Yadav, N. Bhardwaj (2015). Pedigree Analysis of inheritance of hazel eye colour in humans in North India. DU Journal of Undergraduate Research and Innovation. Volume 1, Issue 3 pp 75-84, 2015
4. R. Gupta, B. Kumari, D. Ojha, S. Lohani and R. Bhujabal (2015). Comparative analysis of various media and food source on culturing of the eukaryotic microbe Blepharisma DU Journal of Undergraduate Research and Innovation. Volume 1, Issue 3 pp 144-152.
5. Sadhana Pandey, Padma Saxena, Ritu Dhingra, Hema Bhandari, Meghna Tiwari, Meenakshi Dudeja and S.K. Dhawan (2014). Development of Environmental Friendly Novel Membrane Based on Activated Carbon Fibre Modified with Polyaniline ZnO Nanocomposite in DBSA medium for removal of E.Coli and Total Coliform Bacteria from Waste Water. Proceedings of National Seminar on environmental economics and social sustainability. Volume 1, 179-180.
6. Ramesh Kumari, Hema Bhandari, Ritu Sharma, Neha Vats (2014). Development of environmental friendly and highly durable smart coating of conducting polymers nanotubes for marine application. Proceedings of National Seminar on environmental economics and social sustainability. Volume 1, 112-122.

## **3.2 Resource Mobilization for Research**

**3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.**

**And**

**3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?**

**And**

### **3.2.3 What are the financial provisions made available to support student research projects by students?**

The college receives 95% funds from UGC and 5% from Government of NCT of Delhi and does not earmark any financial assistance for research activities in its budget or provide seed money to the faculty for research. Faculty is, however, encouraged to submit research proposals to other funding agencies for financial grants.

Funds have been received from DU under its Innovation Project scheme. Students involved in the projects are entitled to a monthly stipend of Rs. 1000/- (*Refer 3.2.4*).

Research projects in science are undertaken by students with funds received under Star College Scheme, from DBT, Government of India. Summer and winter workshops / training programs and other research activities are undertaken under this scheme. There is provision for procuring books, journals, chemicals and equipment. Studentship and travel funds are also available.

The University of Delhi also supports research projects under its educational programme, Gyanodaya. A project entitled 'Punjab ki Aitihasikta aur Sanskriti' under Gyanodaya-III, 2013 and another entitled 'Impact of Industrialization on Urbanisation' have been completed under Gyanodaya-IV, 2014 by the students and faculty.

Dr Saroj Rani (Economics department) and Ms Jyotsana (Commerce department) have received financial grant for an international project entitled 'Opportunities and challenges of Labour migration: A case study of Indian Diaspora' from ICSSR (2013-15).

### **3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.**

Interdisciplinary endeavours open avenues for the students, provide enriching experiences thus broadening the horizons. **Table 3.6** gives the interdisciplinary projects undertaken in the last four years.

**Table 3.6**

<b>Department</b>	<b>Research project</b>	<b>Collaborator/ Funding agency</b>	<b>Grants received (in Rs.)</b>	<b>Status</b>
Economics & Commerce	Opportunities and challenges of Labour migration: A case study of Indian Diaspora	ICSSR (2013-15)	5.5 lacs out of a total of 10 lacs	Ongoing

Department	Research project	Collaborator/ Funding agency	Grants received (in Rs.)	Status
Chemistry & Physics	Wastewater treatment and corrosion protection by development and evaluation of conducting polymer nano composites impregnated materials	DU Innovation Project  <b>MTC-201</b> (2013-14)	5.5 Lakhs	Completed
Sociology & Punjabi	Field work in Amritsar - 'Study of the Golden Temple'	Maitreyi College & Part by STS Infrastructures (2013-14)	STS Infrastructures Pvt.Ltd. as part of CSR (Corporate Social Responsibility)	Completed
Physics & Botany	Biocompatibility of Nanomaterials	DU Innovation Project <b>MTC-101</b> (2012-13)	10 lacs	Completed
Physics & Chemistry	Study of Surface Tension in the action of soaps, detergents, germicides, cosmetics and in the field of pharmaceuticals	DU Innovation Project <b>MTC-102</b> (2012-13)	10 Lakhs	Completed

### Challenges:

A few significant challenges that mark the interdisciplinary research work are:

- Bringing students of different disciplines together for collaborative research is a problem due to tight and overlapping teaching schedule of students as well as faculty.
- No space is dedicated exclusively for research work in the college presently. Further, the upkeep and maintenance of expensive, electrical/electronic equipments is limited due the lack of 'Central Instrumentation Facility (CIF)' and associated technical staff / engineer.

### 3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The college ensures optimal use of various equipment and research facility by adhering to a student-centric approach.

- Well-maintained instruments are housed in the laboratories for easy access.
- A tissue culture facility within the Botany lab has been created

to promote and expand the canvas of research.

- Several workshops are conducted successfully which are effectively aided by the infrastructure of the college.
- The purchase of larger number of instruments is preferred over a few specialized, expensive ones to fulfill our objective of wider utility of funds.
- Free Wi-Fi in the college campus ensures continuous access to information for meaningful interaction required for advanced research.
- A well-equipped library with separate sections for books, periodicals and magazines is available. All the information is also available in the college library database.
- The college provides audio-visual facility to its faculty for lectures and any other event in the college.
- Utilization of the laboratories and library even during semester breaks and vacations by the staff and students for projects.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.**

The college has received grants from the following beneficiary agencies.

- DBT (Star college Scheme)
- DU (Innovation Projects)
- UGC (Seed money for add-on courses)
- OBC expansion grant

The grants have been utilized for upgradation of infrastructure, building new facilities and procuring books, chemicals and equipment. This has helped in strengthening the research component. Some of the instruments purchased from these grants include Vertical Dual Mini Gel System, Spencer Rotary Microtome, Magnus Microscope Image Projection System, Application Trainer, Microprocessor Based calorimeter and Digital pH Meter L-120.

With the OBC grant, research facility has been upgraded by the provision of the following:

- Renovation of laboratories in Science Block
- Lab equipment
- Computer Lab
- Laptops
- LCD Projectors

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last four years.**



The college encourages the faculty to pursue research projects and receive funding from various agencies (for inter-disciplinary projects, refer to **Table 3.6**). The projects funded by different agencies under individual category are enumerated below in **Table 3.7**.

**Table 3.7**

S. No.	Faculty (Department)	Project	Funding Agency	Grant received (Rs.)
1.	Dr Yamini Gautam (Hindi)	Krishan Bhakti Kavya Aur Lila Darshan	UGC (2006-10)	7,50,000/-
2.	Dr Ramesh Kumari & Dr Hema Bhandari (Chemistry)	Development of highly durable, cost effective and eco-friendly smart coating of conducting polymer nanocomposites for protection of metals in highly corrosive environment	DBT, Star College scheme (2013-14)	----

Some of the projects undertaken by the students enrolled in PGDN were:

1. Characterization of Nanomaterials
2. Synthesis and characterization of Nanostructures of Polypyrrole
3. Light emitting diodes (LED's): Properties and Characterization
4. Synthesis and characterization of Polyindole
5. Synthesis and characterization of conducting polymer
6. Preparation and characterization of Poly (3 Hexylthiophene)/Zinc Oxide Nanocomposites
7. Synthesis of different sized and shaped gold nanostructures by variation of temperature
8. Preparation of Graphene-ZnONanocomposites
9. Synthesis of Hollow nanostructure by trasmetallation reaction between silver nanoparticles and gold ion
10. Growth, characterization and application of gallium oxide nanowires
11. Nano-composites of conductive polymer and metal oxides for the gas sensing application
12. Synthesis and characterization of Polypyrrole and its composites
13. Micro structure of polyindole
14. Nanostructure of Polyindole
15. Amine Functionalised gold Nano-particle based sending and removal of heavy metal ions
16. Synthesis and characterization of ZnO nanoparticles
17. A green approach for the synthesis of gold and silver nanoparticles using aqueous extract of Azzolapinnata
18. Characterization of Boron Nanocluster
19. Characterization of Boron-Nitrogen Cluster
20. Molecular orbital study of silicon-carbon nano particles.
21. Developing an in vitro assay for testing cytotoxicity of



- nanoparticles to plant cells
22. Analysing cytotoxic effects of nanomaterials on E.coli
  23. Cytotoxicity of nanoparticles on soil bacterium *Agrobacterium tumefaciens*
  24. Phytotoxicity of nanomaterials in tobacco cultures
  25. Effect of laponite and montmorillonitenanoclays on human cell line A549

### 3.3 Research Facilities

#### 3.3.1 What are the research facilities available to the students and research scholars within the campus?

Multiple research facilities (**Table 3.8**) are available to the students. These include:

- Free Wi-Fi facility
- Well-equipped science departments with infrastructure and instruments to carry out practicals under the prescribed syllabus.
- Access to e-journals in the library via INFLIBNET
- Tissue culture laboratory
- Procurement of additional books, chemicals and equipment under Star College Scheme of DBT
- Travel facility for students
- Utilization of semester break and vacations by the staff and students for research projects
- Trips by Social science departments, funded partly by the college
- Reimbursement facility for the faculty for attending conferences / workshops / refresher courses / orientation courses

**Table 3.8**

Department	Facility
Botany	Well equipped with many instruments and a well maintained plant tissue culture room to facilitate research being undertaken by students under projects either related to their curriculum or under the Star College Scheme. Some of the equipment included are: PCR machine, Refrigerated centrifuge, BOD incubator, Gel electrophoresis units (Horizontal and vertical), Laminar flow hood, Autoclave, MIPS (Microscope Image Projection System), Microtome etc.
Chemistry	Three well-equipped laboratories possess several sophisticated instruments such as UV-Visible spectrophotometers, potentiometers, conductometers, flame photometers etc to facilitate research at undergraduate level.

Department	Facility
Computer Science	Four computer labs equipped with 99 PCs, six Laptops, two Apple I-MACs and three workstations. Each lab has a UPS and is equipped with a projector. There are 14 printers, two scanners, two servers and one smart board. The systems have advanced and latest software. Use of open source software such as Ubuntu, Open Office, MySQL, Code blocks, g++ etc. is encouraged.
Physics	A well-equipped Physics and Electronics laboratory, where experiments are conducted using advanced and latest instruments and devices. Several projects under Star College Scheme are undertaken in these labs. Some of the equipment available are: Zeeman Effect, Fabry Perot Interferometer, Franck Hertz Experiment, Electron Spin Resonance Spectrometer, Digital Storage Oscilloscope, Optical Fibre, Hall Effect, He-Ne Laser etc.
Zoology	UV-Visible spectrophotometer, ultracentrifuge as well as cold centrifuge, -20° C freezer for storing chemicals, adequate electrophoretic units, Laminar hood, BOD incubators, autoclave, pH meters, vortex machine, and many micropipettes.

**3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

The Star College Scheme of DBT has enabled the science departments to purchase books, journals and instruments and update the infrastructure for research. The Botany department has created a common tissue culture lab. The college also plans to open a 'Central Research Facility' to encourage the budding student scientists and to provide them with space specially allocated for research activities.

**3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments / facilities created during the last four years.**

For special grants received from beneficiary agencies for developing research facilities *refer 3.2.6 and 3.3.1.*

**3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?**

Science students begin the projects in the college and carry out research work (if required) in the laboratories of the University and

USIC, DU, which have advanced instrumentation facilities. Students going for internship use the facilities of concerned institutes. Research work carried out in facilities outside the campus is summarized in **Table 3.9**.

**Table 3.9**

Department	Research work carried out in facilities outside the campus
Botany	<ol style="list-style-type: none"> <li>1. Two day Workshop on Microscopy at USIC, DU (2015)</li> <li>2. Ms Mahashweta Patnail worked under the guidance of Prof. H B Bohidar at JNU worked on project “Effect of laponite and montmorillonite nanoclays on human cell line A549” (2013)</li> <li>3. Ms Vasumana under the guidance of Dr Rajesh Tandon, Department of Botany, University of Delhi worked on project “Developing an in vitro assay for testing cytotoxicity of nanoparticles to plant cells” (2010)</li> </ol>
Chemistry	<ol style="list-style-type: none"> <li>1. Two day Workshop on Microscopy at USIC, DU (2015)</li> <li>2. Four students of B.Sc. (Hons.) III year interned at DHANUKA AGRITECH PVT. LIMITED and completed training on Pesticide Formulation in May-June 2014.</li> <li>3. Two students of B.Sc. (Hons.) II year completed a research project with Ranbaxy Laboratories, Gurgaon in Analytical Division in May-June 2014.</li> <li>4. Five students worked on a research project in collaboration with National Physical Lab, Delhi in May-June 2014.</li> </ol>

Department	Research work carried out in facilities outside the campus
Physics	<ol style="list-style-type: none"> <li>1. Ms. Nidhi Bisht, B.Sc. (Hons.) II year, undertook one month ‘Summer Programme for B.Sc. students: Growth of Nanostructured Films by Thermal Evaporation / Sputtering’ at Inter University Accelerator Centre, Delhi (June 2015)</li> <li>2. Ms. Kaushalya, B.Sc (Hons) II year, during the 4-week (June 29, 2015 to July 22, 2015) Summer Programme in Physics at Department of Physics &amp; Astrophysics, University of Delhi, learnt various lab skills like Programming in Scilab and other computing techniques.</li> <li>3. Two day Workshop on Microscopy at USIC, DU (2015)</li> <li>4. Ms Priyamvada Kameshwar, B.Sc. (Hons.) II year, the only student from University of Delhi was selected for a 6-week (Dec 16 2014 to Jan 27 2015) training programme at LASTEC (Laser Science and Technology Centre), DRDO (Defence Research and Development Organization, Ministry of Defence)</li> <li>5. Ms. Lavanya Nemani, B.Sc. (Hons.) I year, worked for two months (19 May 2015 to 15 July 2015) as Summer Associate Research Programme (SARP) at UM-DAE Centre for Excellence in Basic Sciences, Mumbai on a project titled “Black-hole-galaxy-cluster co-evolution with the GMRT in SKA-era by e-education, e-project and e-research on India-scale”.</li> <li>6. Ms. Lavanya Nemani, B.Sc. (Hons.) I year worked for a week (Dec 22-28, 2014) under Dr Anand Hota on a project at Nehru Planetarium: Introduction to radio astronomy via a citizen science project called RAD@home.</li> <li>7. Ms. Lavanya Nemani, B.Sc. (Hons.) I year, attended a 2 day introductory workshop (October, 2014) on cosmology at Sri Venkateshwara College, Delhi University, Conducted by INAAD (IUCAA Node for astronomy and astrophysics development)</li> <li>8. Ms. Lavanya Nemani, B.Sc. (Hons.) I year, attended a 1 week Telescope Making Workshop at IUCAA, Pune from Feb 11-18, 2014 and learnt to grind a 4" mirror and assemble it into a Newtonian type telescope.</li> </ol>
Sociology	<ol style="list-style-type: none"> <li>1. Ms C. P. Shruthi and Ms Parika Bhatli, B.A. (Hons) II year completed a two week internship (from 10.6.2013 to 22.6.2013) at Central Jail No. 2 Tihar, New Delhi. A research paper based on this study has been written</li> <li>2. Ms C. P. Shruthi and Ms Parika Bhatli, B.A. (Hons) II year: Internship with The Delhi Commission for Protection of Child Rights, Govt. of NCT of Delhi, 5<sup>th</sup> Floor, ISBT Building, Kashmere Gate, New Delhi. (From 25.06.2013 to 16.07.2013). Paper on ‘Substance Abuse’ based on this study has been written.</li> </ol>
Zoology	<ol style="list-style-type: none"> <li>1. Two day Workshop on Microscopy at USIC, DU (2015)</li> <li>2. One day Workshop on Reproductive Physiology at Department of Zoology, DU (2014)</li> <li>3. Three day Workshop on Ciliate Biology in ANDC (2014)</li> <li>4. Seven day Workshop on ‘RNA extraction’ in Department of Zoology, DU (2014)</li> </ol>

### 3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

The college Library is well equipped with books, magazines and journals. Each department has an annual funding support from the college to procure new books for their respective courses. Books are purchased every year from the recurring grant of Star College Scheme (DBT).

Other than hard copies of various books and journals the college has access to many e-resources. The library provides searching tools to search articles in multiple databases using UGC INFLIBNET-JCCC, DULS- knimbus. The college Library is also a part of the resource sharing networks/consortia like N-LIST, INFLIBNET and DULS.

The library has reading rooms, photocopy facility and separate internet room with printing facility.

### **3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.**

No collaborative research facilities have been developed or created by any research institute in the college. However, grants from DU and DBT enhance facilities and encourage research activities. The grant from DBT has been utilized for purchase of instruments for science laboratories and books, journals and magazines for the library. The University of Delhi has provided computers for faculty members and free software in each department for teaching as well as research purposes.

## **3.4 Research Publications and Awards**

### **3.4.1 Highlight the major research achievements of the staff and students in terms of**

The initiatives of the faculty have been rewarded aptly and are highlighted below.

#### **\* Patents obtained and filed (process and product)**

Dr Hema Bhandari from Chemistry department

1. Patent Filed No.: 10008/DEL/2013
2. Patent Filed No: 3813/DEL/2013 (Smart Coatings of Conducting Polymer Composites for Corrosion Protection in Marine Environment). This Innovation won the Gold Medal under 'DST-Lockheed Martin Innovation Growth Programme 2014'.

#### **\* Original research contributing to product improvement**

Under the Innovation project (*Refer 3.2.4*), new eco-friendly methods have been used to synthesize the nanocomposites which were found

to be more durable and more efficient materials for wastewater treatment than that of conventional polymeric materials.

**\* Research studies or surveys benefiting the community or improving the services**

- Developed cost effective, highly durable and green technology based polymer nanocomposites for anticorrosive and antimicrobial applications.
- Developed cost effective method to culture and use a eukaryotic microbial model system for conducting undergraduate practicals.

**3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

The college does not publish or partner in publication of research journals.

**3.4.3 Give details of publications by the faculty and students:**

**\* Publication per faculty**

**\* Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**

The number of publications in journals (National and International) and those listed in International Database (Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) and publications per faculty are listed in **Table 3.10**.

**Table 3.10**

Department	Total No. of Faculty	Total no. of publications	No. of publications in last four years	Publication per faculty	Publication per faculty in last four years
Botany	15	104	42	6.93	2.8
Chemistry	16	117	49	7.31	3.06
Commerce	15	21	21	1.4	1.4
Computer Science	10	28	22	2.8	2.2
Economics	11	28	28	2.54	2.54
English	13	8	8	0.61	0.61

Hindi	13	37	26	2.84	2
History	11	62	20	5.63	1.81
Maths	10	21	13	2.1	1.3
Physics	16	147	28	9.18	1.75
Political Science	15	57	10	3.8	0.66
Punjabi	2	---	---	Nil	---
Sanskrit	5	31	27	6.2	5.4
Sociology	7	19	14	2.71	2
Zoology	13	69	32	5.30	2.46

**\* Number of papers published by faculty and students in peer reviewed journals (national / international)**

The findings of the research work carried out by the faculty and students have been very encouraging (*Refer 3.1.10*).

- \* **Monographs**
- \* **Chapters in Books**
- \* **Books Edited**

The required information is compiled in **Table 3.11**.

**Table 3.11**

Department	No. Of books authored/ edited	No. of Chapters in books / e-chapters	Newspaper articles / reviews
Botany	3 (edited)	24	-
Chemistry	8 (authored) 5 (reviewed)	11	-
Commerce	-	2	-
Computer Science	-	8	-
Economics	3 (authored)	20	1
English	2 (authored)	4	3
Hindi	7 (authored) 7 (edited / reviewed)	7	12
History	3 (authored) 2 (edited) 4 (reviewed)	3	1
Physics	2 (authored) 1 (edited)	8	-

Department	No. Of books authored/ edited	No. of Chapters in books / e-chapters	Newspaper articles / reviews
Political Science	6 (authored)	20	06
Punjabi	4 (edited)	18	-
Sanskrit	3	-	2
Sociology	2	05	13
Zoology	-	08	-

**\* Books with ISBN / ISSN**

Refer to **Table 3.12** for details of books published by the faculty.

**Table 3.12**

Department	Books with ISBN/ISSN No. / Publisher
Botany (3)	<p>Dr Rama Sisodia: E-Books (edited)</p> <ol style="list-style-type: none"> <li>1. Phycology and Microbiology 2015. Publisher Institute of Lifelong Learning, University of Delhi. ISBN 978-93-85611-2</li> <li>2. Fundamentals of Plant Biochemistry 2015. Publisher Institute of Lifelong Learning, University of Delhi. ISBN 978-93-85611-7</li> <li>3. Mycology and Phytopathology 2015. Publisher Institute of Lifelong Learning, University of Delhi. ISBN 978-93-85611-9</li> </ol>
Chemistry (9)	<p>Dr Amritha Anand:</p> <ol style="list-style-type: none"> <li>1. A laboratory Manual for Environmental Chemistry, ISBN 978-81-907-4625-0</li> <li>2. Chemistry for Class XII, Cambridge University Press (2007), ISBN 817-59-6408-1</li> <li>3. Environmental Chemistry Laboratory Manual, Emerald Publishers (1988)</li> </ol> <p>Dr Ramesh Kumari:</p> <ol style="list-style-type: none"> <li>1. Computers and their application to Chemistry Narosa Publishing House, March 2002 and revised in August 2005. ISBN 978-81-731-9666-9 (Indian Edition)</li> <li>2. Computers and their application to Chemistry Revised in August 2005; Alpha Science International Ltd, U.K. ISBN 978-18-426-5078-3, 9781842652589 (Foreign Edition)</li> </ol> <p>Dr Rajni Johar Chhatwal:</p> <ol style="list-style-type: none"> <li>1. Environmental Sciences – A systematic approach 2009 March, ISBN : 81-85044-66X</li> <li>2. Engineering Chemistry 2010 May, ISBN : 81850-44740</li> </ol> <p>Dr Manju Mehta:</p> <ol style="list-style-type: none"> <li>1. Organic Chemistry PHI Publishers. ISBN number 978-81-203-2441-1</li> </ol> <p>Dr Lata Chandra:</p> <ol style="list-style-type: none"> <li>1. Experiments in Organic Chemistry for Undergraduates (First edition in year 2012; Publisher: Ane Books Pvt. Ltd.). ISBN: 978-93-8212-723-9</li> </ol>



Department	Books with ISBN/ISSN No. / Publisher
Commerce (1)	Ms Jyotsna: 1. Political Economy, Kitab Mahal Publications; ISBN No.: 978-81-225-0703-4 (2013)
Economics (2)	Dr Saroj Rani: 1. Regional Economic Integration: A comparative Study of Central Asian and South Asian Regions (Kalpaz Publication; ISBN: 978-81-7835-731-7) 2. Political Economy, Kitab Mahal Publications; ISBN No.: 978-81-225-0703-4 (2013)
Hindi (9)	Dr Mamta Dhawan: 1. Hindi Natak: Vimarsh Ke Vividh Aayam (Swaraj Prakashan, Delhi; ISBN: 978-93-81582-41-1), 2013 2. Hindi Media: Sidhhaant Or Avdhaarna (Natraj Prakashan; Delhi, ISBN: 978-93-81350-80-5), 2015  Dr Anita Devi: 1. Prasad Ke Natakon Me Yugin Chetana (Swaraj Prakashan, Delhi; ISBN:978-93-83513-11-6), 2014 2. Premchand: Upnyas Sambandhi Nibandh (ISBN:987-93835-13-22-2, Swaraj Prakashan, Pratham Sanskaran), 2014 3. Nazeer Akabarabaadi Rachnawali (Rupa Gupta, Anita Devi, ISBN: 978-93-83513-58-1 (Khand-1); ISBN: 978-93-83513-59-8 (Khand-2); ISBN: 978-93-83513-60-4 (Sampuran Khand) Swaraj Prakashan, 2015  Dr Geeta Sharma Pandey: 1. Gandhivad Aur Hindi Natak (Sanjay Prakashan, Delhi; ISBN:978-81-7453-42-1-7), 2013 2. Itihaas Natak Me Itihasbodh (Sanjay Prakashan, Delhi; ISBN:978-81-7453-42-3-1), 2013  Ms Reeta: 1. Uday Prakash Ki Kahaniyon Me Samaj (Pragati Prakashan, Delhi; ISBN:978-93-81615-35-5), 2013  Dr Pooja Khorwal: 1. Madhyakaleen Hindi Kavya Mein Hasya Aur Vyangya (Pankaj Books Bhawna Prakashan; ISBN: 978-81-8135-0828-4), 2014
Physics (3)	Dr Prajwalit Shikha: 1. Co-edited: Computational Physics, Knowledge Book Distributors, New Delhi, ISBN-978-93-80350-18-9 (2011) 2. Author: Study Of The Electromagnetic Properties Of Heavy Electron Compounds:UPT3 & CeAl3, Ayushman Publication House, New Delhi, ISBN-978-93-81842-70-6 (2015) 3. Co-Author: Nuclear Physics, Ayushman Publication House, New Delhi, ISBN-978-93-81842-64-5 (2015)
Sociology (1)	Dr Mala Kapur Shankardass Co-Author of the book 'Growing Old in India: Voices Reveal and Statistics Speak', B R Publishing House, 2004. ISBN 81-7646-381-7

### 3.4.4 Provide details (if any) of

#### \* Research awards received by the faculty

**Table 3.13** gives the recognition received by the faculty in the form of awards and related incentives.

**Table 3.13**

Name of the Faculty with Department	Awards / Recognition / Incentive
<b>Dr Savita Datta, Principal (Physics)</b>	<ol style="list-style-type: none"> <li>1. 'Pratibha Award - 2014' for excellent and outstanding contribution in the field of education by Indraprasth Sanjeevni.</li> <li>2. Travel Grant by the British Council in March, 2009 under Professional and Technical Skill (PTS) Strand of UK-India Education and Research Initiative (UKIERI) for partnering with UK Institutions to jointly deliver vocational/professional courses in the University of Delhi.</li> <li>3. Fellowship by Commonwealth Educational Media Centre for Asia (CEMCA) for a study tour of various Open Universities in Singapore and Malaysia from May 24-31, 2008.</li> <li>4. Distinguished Alumni Award for excellence in Academics, March, 2008 by Old Student's Association of Hindu College.</li> <li>5. World Literacy Award, September, 2003.</li> </ol>
<b>Botany:</b>	
Dr Rina Majumdar	Post-Doctoral Fellow, funding from CSIR, Department of Botany, University of Delhi (February 1982 to January 1983).
Dr Davinder Kaur	Post-Doctoral Fellow, funding from CSIR, Department of Botany, University of Delhi (February 1982 to January 1983).
Dr Renuka Kashyap.	<ol style="list-style-type: none"> <li>1. 'Meritorious Teachers' Award of the Directorate of Higher Education, Government of NCT of Delhi (2013-14).</li> <li>2. Post-Doctoral Fellow from University of Arizona, USA (1989 – 1990).</li> </ol>
Dr Rama Sisodia	<ol style="list-style-type: none"> <li>1. Fellow, Institute of Life Long Learning, University of Delhi (2012 - 2015).</li> <li>2. Research Associate, Department of Plant Molecular Biology South Campus (January 2005-November 2005).</li> <li>3. Research Associate, Department of Plant Molecular Biology South Campus (March 2004-January 2005).</li> <li>4. Research Associate, Department of Plant Molecular Biology South Campus (May 2003 - March2004).</li> <li>5. Research Associate, National Bureau of Plant Genetic Resources (August 2002- May 2003).</li> </ol>
Dr Atika Chandra	<ol style="list-style-type: none"> <li>1. DST Young Scientist Department of Genetics, University of Delhi South Campus (April 1, 2005 to January 15, 2008).</li> <li>2. Research Scientist, Centre for Genetic Manipulation of Crop Plants, University of Delhi South Campus (October 1, 2002 to March 31, 2005).</li> <li>3. Research Associate, Department of Genetics, University of Delhi South Campus (May 15, 2001 to September 30, 2002).</li> <li>4. Senior Research Fellow, Department of Genetics, University of Delhi South Campus (June 19, 2000 to December 31, 2000).</li> </ol>
Dr Pooja Baweja	Scientist of the Year, 2012: Award of National Environment Science Academy, India.
Dr P. Kavita	<ol style="list-style-type: none"> <li>1. Post-Doctoral Fellow, funding from CSIR – NMITLI, National Botanical Research Institute, Lucknow (Aug 2009 - Aug 2010).</li> <li>2. Post-Doctoral Fellow, funding from CSIR – NMITLI, National</li> </ol>

Name of the Faculty with Department	Awards / Recognition / Incentive
	Botanical Research Institute, Lucknow (Oct 2008 - Aug 2009).
Dr Monica Jaggi	Post Doctoral Fellow, NIPGR (January 2010 – July 2011).
<b>Chemistry:</b>	
Dr Amirtha Anand	Best Teacher award by Government of Delhi (2012).
Dr Lata Chandra	<ol style="list-style-type: none"> <li>1. Teaching Excellent Award for Innovation, University of Delhi, Delhi (2015).</li> <li>2. First prize with Best Innovative Idea under Industry University Interface, Innovation Project, University of Delhi, Delhi (2013-2014).</li> </ol>
Dr.Hema Bhandari	<ol style="list-style-type: none"> <li>1. Best Poster Presentation Award in International conference on “Frontiers of Polymers and Advanced Materials (Macro-2010)”.</li> <li>2. Best Poster Presentation Award in National Conference On Chemistry Education and Research Frontier. Paper highlighted in News as “The Best Innovation Nanotechnology” (Vertical News) (2011).</li> <li>3. Patent No. 3813DEL2013. This innovation won the Gold Medal under “DST-Lockheed Martin Innovation Growth Programme 2014 ”. The award was given by Sr. Vice President and Chief Technical Officer, Lockheed Martin Corporation, USA.</li> </ol>
<b>Commerce:</b>	
Ms Kritika Khurana	Teachers Excellence Award, DU (2013-14)
<b>Economics:</b>	
Dr. Saroj Rani	Rajiv Gandhi National Fellowship Award (2005-07)
<b>History:</b>	
Dr Lata Singh	UGC Research Awardee, May 2004 to April 2007
<b>Physics:</b>	
Dr Sadhana Pandey	Best Teacher Award by Delhi Govt. (2012-13)
Dr Swapna Ray Jain	Young Scientist Project awardee of a DST, Govt. of India in the year 1989-1990 at Physics Department, Jadavpur University (Sep 30,1990 – July 31,1995).
Dr. Mansi Dhingra	Best Paper Award in Materials Research Society of India (2013)
<b>Political Science:</b>	

Name of the Faculty with Department	Awards / Recognition / Incentive
Dr Vishnu Priya	1. Fulbright Summer Fellowship (2000) 2. Salzburg Seminar Fellow, Salzburg, Austria (1988) 3. Visiting Scholar at Colegio de Mexico (1983) 4. Field study grant by SIS, JNU to Lima, Peru (1983)
Dr Manju Subhash	1. Shashtri Indo-Canadian Faculty Research Fellowship, University of Toronto, Canada (1996) 2. Salzburg Seminar Fellow, Salzburg, Austria (1995) 3. Post Doctoral Fellow, Delhi University (1992-1994)
Dr Raj Lakshmi	Distinguished Teacher Award from DU (2009)
<b>Sanskrit:</b>	
Dr. Shashi Tiwari	Vishisht Puraskar (of Rs 51,000/-) on her contribution in Sanskrit Literature by Uttar Pradesh Sanskrit Sansthan, Lucknow (2010)
<b>Sociology:</b>	
Dr Mala Kapur Shankardass	1. Second KLN Award (2014) 2. 'European Union Fellowship' for post-doctoral research by European Studies Programme, University of Delhi, in collaboration with the European Union. Funding was through the University of Delhi (2011 - 2012)
Ms. Anurita Jalan	'European Union Fellowship' by European Studies Programme, University of Delhi, in collaboration with the European Union. Funding was through the University of Delhi (2010-11)
<b>Zoology:</b>	
Dr Versha Goel	Distinguished Teacher Award from DU (2009)
Dr Archana Aggarwal	Publication titled 'Adverse effects associated with persistent stimulation of Leydig cells with hCG in vitro. Mol Reprod Dev; 2009', selected for 11 <sup>th</sup> Royal International Research Award, Iran (World's best five researches in Reproductive Biomedicine and Stem Cells field, 2009)
Dr Brototi Roy	Best Student Oral Presentation at the XV International Conference of Comparative Endocrinology Boston, Massachusetts (2008)

**\* Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally:**

For academic interactions, reputed professional bodies and agencies are the best forum. The faculty has opted to be members of such forums as enumerated in **Table 3.14**.

**Table 3.14**

Faculty	Recognition
Dr Savita Datta, Principal (Physics)	<ol style="list-style-type: none"> <li>1. Member of Academic Council, University of Delhi from July 25, 2013 to July 24, 2015</li> <li>2. Member of Executive Council, University of Delhi from Dec. 12, 2013 to Dec. 11, 2015</li> <li>3. Member of the Committee of the University Grants Commission constituted for conferment of autonomous status to J. D. Birla Institute, Kolkata. Visited Kolkata from September 18-19, 2012.</li> <li>4. Member of the Visiting Expert Committee of the Distance Education Council to visit Nehru Gram Bharati University. Visited Allahabad from February 13-14, 2012.</li> <li>5. Member of the Academic Council of Centum Learning Limited.</li> <li>6. Member of the National Committee on Education of Confederation of Indian Industries (CII).</li> <li>7. Member of Industry Advisory Council of NIIT</li> <li>8. Member of Customer Care Committee of Punjab National Bank.</li> <li>9. Member of Complaints Committee under code of conduct at workplace for some Government organization.</li> </ol>
<b>History:</b>	
Dr Lata Singh	<ol style="list-style-type: none"> <li>1. Fellow, Indian Institute of Advanced Study, Shimla. November 2007 to October 2009</li> <li>2. Visiting Fellow British Academy, 2006 July to 2006 Aug.</li> </ol>
<b>Physics:</b>	
Dr Veena Mishra	Founder member of International Advisory Board of the Journal "Physics and Technology quest", Singapore (1991)
Dr Poonam Juneja	<ol style="list-style-type: none"> <li>1. Life Member of Indian Association of Physics Teachers (IAPT); Membership No. – 10567, L6777.</li> <li>2. Life Member of Centre for Education Growth and Research (CEGR); Membership No. – CEGR/LT/2014/DD</li> </ol>
Dr Shalini Lumb	Life Member of Indian Association of Physics Teachers (IAPT) since 2005
Dr Prajwalit Shikha	Life Member of Indian Association of Physics Teachers (IAPT) since 2009
<b>Sociology:</b>	
Dr Mala Kapur Shankardass	<ol style="list-style-type: none"> <li>1. Member of the International Advisory Committee for conferences of the Institute of Violence, Abuse and Trauma, San Diego, USA. (2010 till date)</li> <li>2. Chair for ASIA of the International Network for Prevention of Elder Abuse, an international NGO in Consultative Status with UN and working in 58 countries (2010 till date)</li> <li>3. Social Scientist Member of the Ethical Committee, International Centre for Genetic Engineering and Biotechnology. (2010 till date).</li> <li>4. Chair for India of the International Network for Prevention of Elder Abuse, an international NGO in Consultative Status with UN and working in 58 countries (2004 to 2010).</li> <li>5. Chairperson of the Gender Sub Committee on Gender Perspectives on National Policy of Older Persons by Ministry of Social Justice and Empowerment, Government of India (2010-11).</li> <li>6. Member of the Core Group on Protection and Welfare of the</li> </ol>

Faculty	Recognition
	<p>Elderly Persons Constituted by National Human Rights Commission, Government of India. (2011 till date).</p> <ol style="list-style-type: none"> <li>7. Board Member of Godhuli (2011 till date).</li> <li>8. Member of the Committee to Select Members for the Maintenance Tribunals and Appellate Tribunals, Department of Social Welfare, Govt. of NCT of Delhi, New Delhi. (2011-2013).</li> <li>9. Member of Centre for Policy Research Ethics Research Committee on Human Health (2011-12).</li> <li>10. Vice President, Society for Applied Research in Humanities. (2012-14).</li> <li>11. Member of the Indian Council of Medical Research Committee for selection of projects in geriatrics. (2012-13).</li> <li>12. Member of the Governing Body of the Alzheimer's and Related Disorders Society of India, Delhi Chapter. (2000 till date).</li> <li>13. Member of the Expert Group 'Aspirations for the Elderly in India' constituted by the Planning Commission, Government of India. (2012-14).</li> <li>14. Member of the Editorial Board of The Journal of Adult Protection published from United Kingdom. (2009 till date)</li> </ol>
Dr Gopi Devdutt Tripathy	<ol style="list-style-type: none"> <li>1. Member of Governing Body of ASTHA (Alternative Strategies for The Handicapped) New Delhi from early 1990s till date</li> <li>2. Visiting Faculty at ITM University, Gurgaon from 2008-2011 where she taught a Sociology course of the University of London.</li> <li>3. Member of a pilot project 'Reflecting on Environment Society and Individual' organized by the D.S. Kothari Centre for Science Ethics and Education. University of Delhi in 2012-13. Under this she conducted an inter-disciplinary course for one semester on the same theme in college.</li> </ol>
Ms Anurita Jalan	Member of the Gandhi Study Circle, Delhi

### 3.5 Consultancy

#### 3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The college-industry interface is identified as crucial tool for employment avenues for the stakeholders. The Principal and the faculty interact with industry for fruitful outcomes. College Placement Cell invites various industries to apprise the stakeholders about employment opportunities which is followed by campus placement and internship. Visits to industries are also undertaken to expose the students of the employability avenues. College events attract lot of sponsorship from industries/companies.

#### 3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

**And**

**3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?**

The institution has no stated policy to promote consultancy. The profiles of faculty are available on the College website. Publicity of the available expertise is mainly done through participation in national and international conferences and publication of research articles in journals and as resource persons at different levels. Few faculty members are consultants for various NGOs. The College facilitates the individuals as and when their services are required by any outside agency / institution by granting them leave as per UGC/DU norms.

**3.5.4 List the broad areas and major consultancy services provided and revenue generated during the last four years.**

**And**

**3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?**

The following consultancy services are provided by the faculty:

- Evaluators for thesis/ dissertations.
- Members of Selection Boards / Observers for entrance exams for governmental organizations / Universities.
- Consultants for creating e-lessons for ILLL and SOL.
- Consultants/ reviewers for Journals (print as well as e-journals).
- Members of Committees for Syllabus Review/ Formation at University of Delhi as well as other National/State Universities.
- Consultant on relevant issues raised by the Govt. of India.
- Resource persons for Orientation/ Refresher courses in Academic Staff Colleges of the country.
- Member/consultant, NGOs.

The college, however, does not generate any funds or revenue from the above.

**3.6 Extension Activities and Institutional Social Responsibility (ISR)**

**3.6.1 How does the institution promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

The college aims to ensure holistic development of the students and encourages them to be responsible citizens. The college has undertaken several initiatives and made consistent efforts to achieve this goal. A few of them are:

- The students are motivated to get associated with NGOs and work towards the empowerment of community and the



upliftment of the weaker sections of the society.

- Trips to museums and heritage sites are organized for the students. These are helpful in enriching them about Indian culture.
- Familiarization with the diverse flora and fauna of India is imparted through visits to biodiversity parks.
- An opportunity to gain knowledge about different parts of the country is provided under the ‘Gyanodaya’ scheme of the University of Delhi.

**Table 3.15** provides information regarding involvement of students in community work motivating them to be responsible citizens.

**Table 3.15**

Department	Activities contributing to holistic development of students
Chemistry	Students worked for Naya Savera, Smiles Foundation and other NGO etc. (2015)
Economics	<ol style="list-style-type: none"> <li>1. Enactus Maitreyi and its team of 30 members are working since 2014 to improve the standard of living of unemployed and poor people by implementing socially, economically and environmentally viable projects to make them self-reliant and self-sufficient.</li> <li>2. Project Unnayan, debut project in collaboration with Love Care Foundation (NGO) aims at empowering women living in slums of Mayur Vihar by training them in making and selling liquid dishwasher named 'Clean Ninja'. The product is lab-tested, environmentally safe and economical.</li> </ol>
English	<ol style="list-style-type: none"> <li>1. By participating and organizing cleanliness drives (Swachh Bharat Abhiyaan) in and around campus, taking out fund-raising drives for the needy, blood donation camps in collaboration with NGO's, gender sensitization programmes, etc.</li> <li>2. Students are associated with / work for NGO's (between 2012-15)               <ol style="list-style-type: none"> <li>i. Utkrishti Taneja – worked for 3 months in 2014 with a French NGO Msf (Medicines Sans Frontier, India).</li> <li>ii. Pankhuri Kapoor – has been working for an NGO called MAD (Make a Difference)</li> <li>iii. Swati Dutta (2012)- was associated with Times of India 's “Each 1 Teach 1” project</li> <li>iv. Eveleen Kaur is associated with Smilyo</li> </ol> </li> </ol>
Physics	<ol style="list-style-type: none"> <li>1. Water Footprint Assessment Project (since January 2015) initiated with a goal to analyze how human activities or specific products relate to issues of water scarcity and pollution.</li> <li>2. Wake Up Call (since September 2014): An awareness campaign to make people aware of the health and environmental hazards of wrong methods of e-waste handling.</li> </ol>
Maths	<ol style="list-style-type: none"> <li>1. Lovely Sachdeva, Maths(Hons) II year, Attended annual training camp at DG NCC Parade Ground, Delhi Cantt from 17/6/14 to 26/6/14 and participated in National Integration Camp-I at Mysore</li> <li>2. Komal Chauhan, Maths(Hons) II year, currently a member of NSS i working with Bodh Shiksha Samiti, an NGO</li> <li>3. Nikita Pahuja, Internship at “Nielsen Company” for one week “NIELSEN IMMERSION PROGRAMME”, Winter Internship at ADITYA BIRLA MONEY LIMITED, Delhi, December 2014, Internship at Campus Diarie in February</li> </ol>



Department	Activities contributing to holistic development of students
Sanskrit	<ol style="list-style-type: none"> <li>1. The students have participated in Natak-Nukkad-Samaroh Pratiyogita at Maitreyi College, University of Delhi to spread awareness on various issues (March, 2015)</li> <li>2. The students have participated in Sanskrit Vithinatak-Ekanki Natak Pratiyogita on Swachchhatabhiyanam Ekanki Natak (Feb, 2015)</li> <li>3. Some students of Sanskrit department are working for 'writer and reader's bank', which is developed by Enabling Unit of the college for PwD.</li> </ol>

### 3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

The college through NCC, NSS etc. takes care of students' involvement in various social and outreach activities to promote their role as good citizens. These committees motivate and keep record of the students' participation in the activities. The Students' Union organizes various programmes such as Swachh Bharat Abhiyaan (October 2), Rashtriya Ekta Divas (October 31), Good Governance Day (December 25), World Yoga Day (June 21) etc. which have active participation of the students.

Many students and faculty take initiative on an individual level and the college encourages them in all possible ways (*Refer 3.6.6*).

### 3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

For collecting the views of stakeholders on the overall performance and quality of the college following plans have been adopted:

- Students use suggestion boxes. Their suggestions are incorporated wherever possible.
- Feedback Forms have been designed and collected for different extra-curricular events organized by college. These have helped in improving the planning of events in future.
- Since the inception of IQAC, obtaining feedback on various parameters has also become obligatory. The forms now include parameters such as infrastructure, faculty involvement, curricular aspects etc.
- Individual and departmental issues are resolved at the departmental level.
- Internal assessment marks are shown to the students before uploading on the website and sending to the University.

### 3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

Extension activities and outreach programmes are organized by the College through various internal bodies like NSS, EOC, Enabling Unit, WDC, Sports department and the College chapters of larger societies like Enactus etc. Major extension programmes and outreach activities of the College in the past four years are clustered around the three areas of Women's Empowerment, Community Awareness of Environmental Issues and Health Awareness. The college plans to organize outreach programmes for the teachers and students of government schools to acquaint them with the newer technologies in the field of science. The extension and outreach activities are undertaken without the support of any allocated budget head so far.

Few activities undertaken by NSS volunteers during 2014 – 15 include:

1. Active participation in cleanliness drive. All the volunteers were divided into 12 groups consisting of 5 to 6 students each. Two of these groups monitored the cleanliness in the college every day.
2. Participation in Rashtriya Ekta Divas celebrations (Sardar Patel's Birth Anniversary). A unity march was organized in association with NCC cadets.
3. Participation in a workshop on 'Women Empowerment' organized at Jesus & Mary College in 2015.
4. Volunteering for DU's Annual Festival Antardhvani, 2015.

### **3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?**

The College facilitates and encourages student and faculty participation in extension activities in several ways.

- At the time of admission every student has to enroll in either NCC or NSS compulsorily.
- Attendance waivers are permissible to the students to pursue these activities.
- At the end of the year, the best cadet of NCC and the best volunteer of NSS are awarded prizes and certificates.
- Cadets representing college in the University of Delhi festival ANTARDHWANI are also awarded.
- The assignments and subject tests (if required) are conducted separately to encourage them to participate.
- Provision to faculty members to conduct excursions for extension activities.

*(Refer 1.3.4, 3.6.2 & 3.6.4)*

### **3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?**

The college takes initiatives in this direction through the activities of NSS and NCC, but some of the members of the faculty and students are also involved in such work at the individual level. **Table 3.16** provides information regarding activities undertaken by students and faculty to empower vulnerable sections of the society.

**Table 3.16**

Department	Activity (Details)
Botany	11 students as volunteers for Leaders For Tomorrow (LFT) teach handicapped children, collect clothes for the needy, visit old age homes etc.
English	<p>Ms. Smriti Singh</p> <ul style="list-style-type: none"> <li>• Has been working with Blind Relief Association since her college days in 2004. She works for the placements of blind students.</li> <li>• Is also working with an NGO, working for health and immunization programmes for street children.</li> <li>• Is associated with Missionaries of Charity, Delhi branch at Karkadooma for orphan children.</li> <li>• Associated with 'Sarthak Trust', working with their training programme and placement with corporate organizations.</li> <li>• Works with Indian Red Cross as part of their Fund Raising program, she organized a Diwali Mela in college in 2008.</li> </ul> <p>Ms. Amrita Ajay</p> <ul style="list-style-type: none"> <li>• Used to volunteer with NGO's like Frenedicoes ( Society for the protection of Animals) and Naaz Foundation in east of Kailash (Society for the care of HIV + children)</li> </ul>
Chemistry	<p>In year 2014:</p> <ul style="list-style-type: none"> <li>• 30 students participated in community service projects like tutoring poor students during their College breaks.</li> <li>• Work experience and internship was gained by 30 students with various NGO's like PRAYAS, NAYA SAVAERA, SMILYO where they worked for girl child rights 'Campaign Rebirth'.</li> <li>• 15 students enrolled for NCC and participated in various activities at college level and NCC unit. Cadets attended various camps, participated in inter college competitions and also appeared for B-certificate and C-certificate examination conducted by NCC headquarter.</li> <li>• 5 students were campus ambassador for CARE FOR BHARAT NGO, and were involved with activities of NSS.</li> </ul>
Physics	<p>Dr Poonam Juneja</p> <ul style="list-style-type: none"> <li>• Has worked in association with Red Cross Society (2007 – 2009) to organize blood donation camps in the college.</li> <li>• Organized stalls exhibiting handicrafts, candles, diyas etc. made by inmates of Tihar Jail and blind children during Diwali Mela held in the college from 2007 – 2011.</li> <li>• Involved in 'Orientation &amp; Mobility Training for Visually Impaired' and various 'Sensitization' Workshops conducted by the Equal Opportunity Cell, University of Delhi (2009).</li> </ul> <p>Ms. U. S. Kiranmai (B.Sc. Physical Science, III year)</p> <ul style="list-style-type: none"> <li>• Has worked with the NGO 'Waste Warriors' (June to July 2014) to sensitize villagers in Triund and nearby villages about waste segregation and management.</li> <li>• While working with RUCHI (Rural Centre for Human Interest) (June to July 2013), conducted campaigns on HIV AIDS in Baddi, supervised construction of toilets and irrigation tanks in</li> </ul>

Department	Activity (Details)
	<p>a village near Kasauli.</p> <p>25 students of B.Sc. (H) II Year are volunteers for UMEED (NGO: A ray of Hope) and on Sundays teach children of slum dwellers of Kirti Nagar.</p> <p>Volunteers of Leaders For Tomorrow (LFT) teach handicapped children, collect clothes for the needy, visit old age homes etc.</p>
Sociology	Dr Mala Kapur Shankardass regularly conducts workshops on 'elder abuse' to generate awareness about and sensitize the youth towards the problems of the aged.

**3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.**

Extension activities help the students in their holistic development and make them aware of their social responsibilities.

The critical awareness and analytical power gained out of that experience not only enhances the awareness of the academic and theoretical component of the curriculum but also sensitizes them to the challenges of the real world.

**3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?**

The outreach activities and Community development are a core part of the learning outcomes of the College. The College attempts to generate awareness through invited lectures, workshops and programmes / drives launched by the Government.

The Cleanliness Drive initiated by the Prime Minister on 2<sup>nd</sup> October, 2014 was implemented with enthusiasm by the faculty and students. The college pledged to carry forward the objectives of cleanliness drive.

The Sociology department regularly carries out activities that encourage community participation. Two workshops on 'Family in India' and 'Urban Spaces and their Meaning' were organized for students of U.K. and U.S.A. under academic exchange programmes in 2013. Field trips include community study projects such as

- Religion, Politics and Culture: Identity Formation among Tibetan Refugees in Delhi and Dharamshala.
- Social Change in a Rural Urban Setting: To study the effect of

urbanization on weavers of a village near Lucknow.

- Two campaigns ‘Parivartan’ and ‘Sacredness of Spaces’ conducted in the college to enable the young students of the college to develop a sense of respect and reverence for people, relationships and life itself.

### **3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.**

Outreach and extension activities organized to forge constructive relationships with other institutions include:

- Disaster management workshop with CSIF and NDRF.
- Gender sensitization workshops conducted for ITBP and Delhi Police in collaboration with ‘Prachi Education Society’, Delhi (NGO working on education issues).
- Active participation on gender issues in association with NGOs such as SAHELI and Help Age India.
- Self-defense workshop with home guards and Delhi Police.
- Directorate of Education (DoE) is being approached to conduct workshops for students and teachers in schools of the locality.

### **3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.**

On strong recommendation of International Association of Educators for World Peace (affiliated to United Nations – ECOSOC) and Clean Up The Earth (CUTE – Global Umbrella for having a Cleaner and Greener Mother Earth), the ‘**Cleanliness, Hygiene and Sanitation Education (CHASE)**’ award was conferred by Confederation of Indian Universities for outstanding contribution of Maitreyi College. The ‘International Felicitation’ was accorded on the auspicious occasion of United Nations International Human Solidarity Day (December 20, 2014). This highlights our commitment to maintaining a clean and green campus.

## **3.7 Collaboration**

### **3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.**

The college collaborates with research labs, institutes and industry in varied ways to gain academic benefits. Interactions with experts from the Biotechnology Industries and visits to some industries by students have been initiated recently. Building stronger collaborations is our

future plan. The details of existing collaborations are tabulated below:

**Table 3.17**

Collaborated Lab / Instt. / Industry	Type of collaboration	Benefits accrued
NPL, SSPL, IIT-Delhi, DU	Projects undertaken by students of PG Diploma in Nanotechnology (2010-13)	Projects completed for the award of Diploma
USIC, DU, NPL, NIPGR, NBPGR, JNU	Visits, participation in seminars, workshops	Learn new experimental techniques and working of various instruments.
Amity University, U.P., Banasthali University, Rajasthan	Internship programme	Initiated academic exchange
Ranbaxy, Dhanuka Fertilizers, Yakult	Internship, Visit	Work experience & awareness of employability

**3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.**

Maitreyi College has taken great leaps towards establishing foreign collaborations under the leadership of the Principal, Dr Savita Datta, who as the project director of UK-India Education and Research Initiative (UKIERI), has successfully promoted high quality research projects between both the countries since 2006. Collaborative arrangement with UK University under UKIERI project of DU has contributed to exchange of students with added benefits of academic and cultural exchange. Under this programme, a delegation from DU with Dr Savita Datta as Project Director went to Open University, UK, to initiate the Supported Blended Learning Project. Several training workshops were organized in collaboration with Open University UK for the faculty of DU. About 20 faculty members from various departments of the college have been trained to create e-content. Four faculty members of the Physics department got the opportunity to visit Open University UK to attend the workshop on e-learning. The training helped to prepare lab manual and videos of the experiments by the Physics department. Online quizzes have been created using the Moodle Platform. Workshops were organized in the college to train faculty from the other colleges as well.

A partnership with Edinburgh Telford College, Scotland has been initiated to design and develop courses in media and animation under the PTS Strand of UKIERI. UKIERI-Study India Program has enabled undergraduate students from UK universities and colleges to visit India to gain experience of Indian culture, arts and explore for further study or work in India. A total of 1120 students from UK

have participated in the programme so far. Under UKIERI-SUP, every year students from Maitreyi College have been chosen to represent the nation in UK. In 2013, one teacher and three students visited various universities of UK. The British Council chose Maitreyi College as the venue to host visit of Mr. Nick Clegg, the deputy Prime Minister of UK in August 2014. In June 2015, one teacher and two students represented the college for strengthening the ties with universities in UK.

**3.7.3 Give details (if any) 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 institution viz. laboratories / library/ new technology /placement services etc.**

Different financial consultancy companies and firms have visited the college for internship and placement services. Thirty six students got internship opportunity and ten were offered placement by companies such as Aditya Birla Money Mart limited, Nielsen, Ernst and Young and Storehippo etc. in 2014-15.

**3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.**

*Refer 3.1.8.*

**3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements?**

Even though many linkages have been established via visits and project work, no formal MoUs have been signed so far. A formal endorsement by the college is required for any collaboration on research, consultancy and publication in between individuals and the outside agency.

**List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -**

**a) Curriculum development/enrichment**

*Refer 1.1.6 & 1.1.7*

**b) Internship/ On-the-job Training and Summer placement**

*Refer 3.7.1 - 3.7.3 & 5.1.9*

**c) Summer Placement**

No official data available.



**d) Faculty exchange and professional development***Refer 6.1.6***e) Research***Refer 3.1.2; 3.1.10; 3.2.4 & 3.3.4***f) Consultancy***Refer 3.5***g) Extension**

Skill development for non-teaching staff has been taken up by way of organizing various training programmes as mentioned below:

- a. Summer workshop to upgrade their skills for conduct of practical
- b. Fire safety and Disaster management workshop in collaboration with CISF and NDRF

**h) Publication***Refer 3.4.3***i) Student Placement***Refer 5.1.9 & 5.2.1***j) Twinning programmes**

Not Applicable

**k) Introduction of new courses**

Under the FYUP introduced by DU in the academic session 2013-14, the four year B. Tech. (Computer Science) was offered to students by the college.

**l) Student exchange***Refer 3.7.2***m) Any other****3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.***Refer 3.7*



## **CRITERION IV**

# **INFRASTRUCTURE AND LEARNING RESOURCES**

## **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

### **4.1 Physical Facilities**

#### **4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?**

The college is keenly aware of the pivotal role played by infrastructure in imparting quality education. Hence, it pursues a strong and streamlined policy for enhancement of its infrastructure. The campus is spread over a total area of 10 acres and has 26 classrooms, 16 tutorial rooms and seven lecture halls. All classrooms except one are enabled with multimedia equipment to enhance and assist classroom sessions. Other major infrastructural assets of the college include a fully air-conditioned auditorium, a well-equipped seminar room and a resourceful library with OPAC facilities. The Science and Computer Science departments are equipped with adequate laboratories and computer facilities. These are upgraded regularly so as to meet the changing requirements of syllabi and versions. The campus is Wi-Fi enabled and the college community can access internet and other online facilities, free of cost.

#### **4.1.2 Detail the facilities available for**

**a) Curricular and co-curricular activities - classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**

Availability of the following facilities plays a key role in handling of curricular and co-curricular activities effectively:

- 25 multimedia equipped classrooms
- 16 tutorial rooms
- Seminar hall
- Bookshop
- Photocopy shop
- Four laboratories and 1 server room in Computer Science department
- Two laboratories in Physics department
- Three laboratories in Chemistry department
- Three laboratories in Botany department, 1 of which has a culture room. The department also has a botanical garden and a museum.
- Three laboratories in Zoology department and a museum. The department also had an animal house which is non-functional ever since the imposed ban on animal dissection.

**b) Extra-curricular activities— sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, public**

**speaking, communication skills development, yoga, health and hygiene etc.**

The college enjoys the following indoor and outdoor facilities for extra-curricular activities:

- Sports
  - Soccer field (which also accommodates games such as Cricket, Baseball, Softball, Handball, Netball and Kho-Kho)
  - Athletic mini track (200 meters), which also includes a long jump pit
  - Volleyball mud court
  - Basketball synthetic court
  - Judo room furnished with synthetic mats to facilitate Judo as well as Wrestling practices and matches
  - Facilities and equipment for indoor activities such as Chess, Judo, Wrestling and Power-lifting
  - Bamboo room, with locker facilities, which serves as changing room for students
  - Storage room for sports equipment and official furniture
- Separate room for NCC, equipped with basic furniture
- A medical room with basic healthcare and first-aid facilities, with a visiting doctor on specific days
- Common Room for Student Union activities
- Canteen with dining hall
- A 24-seater van which is used to conduct local educational visits. In addition, a bus run by South Delhi Campus drops the students to the nearby bus stop.
- Parking area for the faculty
- Fully computerized branch of Punjab National Bank.
- For other co-curricular activities, the college has an air-conditioned auditorium and an amphitheatre.
- A fully air-conditioned Video Conferencing Room for academic and cultural events.
- The college also provides a Legal Aid Cell, associated with the Delhi Legal Services Authorities, to ensure legal aid and guidance for the college community.
- The college has a barrier free environment for the differently abled faculty and students. Ramps with firm hand rails have been constructed at various places to ensure smooth mobility. The college has wheelchairs for disabled students and faculty.

**4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed /augmented and the amount spent during the last four years (Enclose the Master Plan of the institution/ campus and indicate the existing physical infrastructure and the future planned**

**expansions if any.)**

The college embarks upon projects associated with the expansion of its infrastructure from time to time so as to make it compatible with the academic growth of the college. Over the past few years, additions have been made to the existing infrastructure so as to meet the growing requirements of the college. These include:

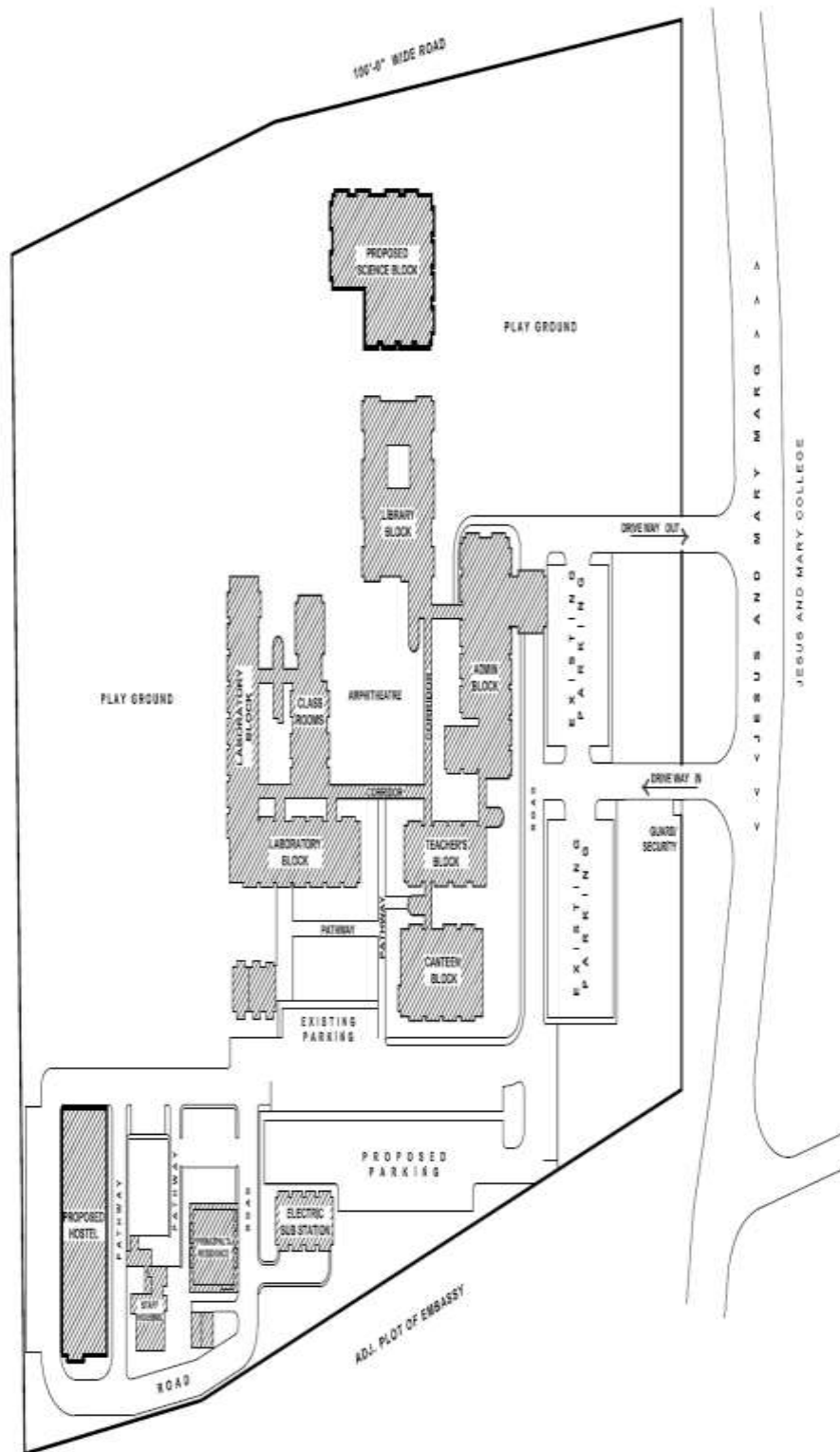
- 5 Bamboo rooms
- Renovation of Physics, Chemistry, Botany and Zoology laboratories in 2014
- Making available video-conferencing facilities for virtual learning
- Wi-Fi enabled campus since 2013
- Installation of water coolers with R.O. system
- Restroom facilities at convenient locations for staff and students
- Repair and renovation of rest rooms
- Renovation of the Principal's office, Vice-Principal's office and the Administrative Block
- Mother Dairy kiosk

The future prospects of infrastructural expansion are also well defined by the college. A hostel and a new Science block have been approved. The foundation stone was laid by the Honorable Vice-Chancellor, Prof. Dinesh Singh. The construction of the hostel and the Science Block will begin shortly. The proposed Science block and hostel will have the features of rain water harvesting, solar panel and thermal insulation making them green buildings. These buildings will also have central fire alarm system and will be earthquake resistant.

**4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

The college infrastructure is barrier free and many steps have been taken to ensure the smooth and safe movement of students and faculty with disabilities. Ramps with firm hand rails have been constructed at several locations. The students' wash rooms on the ground floor have specially been renovated for the use of persons with disabilities (PwD). Wheelchairs are available in the college for orthopedically disabled students and faculty.

In order to facilitate the visually challenged students and faculty members, key instructions in the college premises are also written in Braille. The college library supports special screen reading software like JAWS and Kurzweil for visually challenged students. The library is also augmenting its stock of audio CDs and books written in Braille.



College Map showing the proposed Hostel and Science Block

The Enabling Unit of the college created a 'Reader and Writer Bank' (under the new examination policy of the University of Delhi) to help visually disabled students and faculty.

The college has recently procured a LEX camera scanner and notebook for the use of PwD students and faculty.

**4.1.5 Give details on the residential facility and various provisions available within them:**

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**
- **Available residential facility for the staff and occupancy**
- **Constant supply of safe drinking water**
- **Security**

The college, at present, does not have a hostel but the same has been approved and the construction will begin soon. However, the college has three staff quarters and a Principal's bungalow. The allotment of the staff quarters is by seniority of the applicants and their maintenance is monitored by the Staff Quarters Committee. Currently all the three staff quarters are occupied. Water is supplied through the NDMC water connection and underground water supply is also available. Tanks are available for storing water. The college premises are guarded by security personnel round the clock.

**4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

The college pays special attention towards healthcare and maintaining hygiene and a clean environment in the campus. Key features in this direction are:

- A well-equipped medical room to provide basic healthcare and first aid facilities to staff and students exists. A medical doctor is available on appointed days to provide medical advice and assistance. The college has a Medical Health and Hygiene Committee which regularly organizes health check-up camps, blood donation drives and seminars on health and lifestyle issues.
- The college premises are kept pest free by taking necessary measures.

- Water coolers and overhead tanks are cleaned at regular intervals by competent agencies.
- The classrooms, corridors, labs and the surrounding areas are cleaned every day by the staff of the agency hired for this purpose.
- The outstanding contribution of Maitreyi College towards cleanliness, hygiene, sanitation and education has earned laurels for the college in form of **CHASE** award by the Confederation of Indian Universities in 2014.

**4.1.7 Give details of the Common Facilities available on the campus – spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.**

The college has a medical room with basic medical and first-aid facilities. The canteen has a seating capacity for 50 and remains open for the stakeholders and visitors from 8:00 AM to 6:00 PM on all working days except national holidays. Water coolers with R.O. systems have been installed at several convenient locations.

The college has a Committee Room adjoining the Principal’s office for holding official meetings. The air-conditioned Video Conferencing Room equipped with multi-media facilities has a seating capacity of approximately 140 and is used for conducting seminars, workshops and lectures. The air-conditioned auditorium with a seating capacity of 400 and the amphitheater are utilized for organizing cultural events, talks, inter-college competitions etc.

Recreational activities of the staff are generally undertaken in the main staff room, which is equipped with a refrigerator, microwave oven and ergonomically designed furniture. The reading room in the library is equipped with computers and Wi-Fi facility. In addition, Science departments have small staff rooms closer to the laboratories for better monitoring during practical classes.

Besides the canteen and medical room, there is a common room for students. Units such as Grievance Redressal Cell, Women’s Development Cell, Career Counseling & Placement Cell etc. are operational. Meetings are held either in the Staff Room or Committee Room, since a dedicated space is lacking.

**4.2 Library as a Learning Resource**

The well-equipped library is one of the key assets of the college. The library holdings in terms of books, journals, learning materials are supplemented by technology aided learning mechanisms. Together, these tools enable the students to acquire information and knowledge for their studies. Desirable additions for advancement in the fields of study are brought in to the library stock regularly.

**4.2.1 Does the library have an Advisory Committee? Specify the Composition of Such Committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?**

The college library has an advisory committee called Library Committee. All departments' teachers-in-charge are members of this committee.

Significant initiatives taken by the Library Committee include:

- Allocation of library grant
- Supervising library stock taking schedules
- Reviewing the list of subscribed journals for additions or deletions
- Recommending the weeding of books
- Organizing book fairs for generation of awareness and interest

**4.2.2 Provide details of the following:**

Total area of the library (in Sq. Mts.)	Total area 1234.78 sq. mts
Total seating capacity	150
Working hours (on working days, on holidays, before examination days, during examination days, during vacations)	9.00 A.M to 5.30 P.M (Monday to Saturday) on all working days. The library is closed on Saturdays during vacations.
Layout of the library(individual reading Carrels, lounge area for browsing and relaxed reading, IT Zone for accessing e-resources)	<p><b>Ground Floor</b></p> <p>Seminar Room, Newspaper display area, Property Counter, Periodical/Journal section, OPAC desk for Users, Internet access point for Persons with Disability (PwD), Circulation Counter, Rack area.</p> <p><b>First Floor</b></p> <p>Rack area, Photocopy point, Reading Hall, Reference desk, E-resource centre, Faculty reading room.</p>

**4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years**

The library ensures the acquisition of latest titles and publications by



accessing publishers' web-sites through consulting publishers' catalogues, book reviews and bibliographies. The new arrivals are duly displayed on racks from time to time.

The amount spent in the last four years under the various heads is:

Library holdings	Year-1 (2011-2012)		Year-2 (2012-2013)		Year-3 (2013-2014)		Year-4 (2014-2015)	
	Number	Total Cost (in Rs.)	Number	Total Cost (in Rs.)	Number	Total Cost (in Rs.)	Number	Total Cost (in Rs.)
Text/ Reference Books	2293	1724206	2247	1046378	967	655253	1611	989768
Journals/ Periodicals	79	126732	64	123141	63	147899	63	158041
E-Resources	N-LIST	5000	N-LIST	5000	N-LIST	5000	N-LIST	5000
Binding	-----	18600	-----	63453	-----	57560	-----	41655
Contingencies /Stationery etc.	-----	34467	-----	74461	-----	1350	-----	17225

#### 4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

OPAC (Online Public Access Catalogue)	Yes. Three terminals
Electronic Resource management package for e-Journals	Its control is provided by N-LIST to its users
Federated searching tools to search articles in multiple databases	Yes. Using UGC Infonet-JCCC, DULS – knimbus
Library Website	Webpage linked to college website
In-house/remote access to e-publications	Yes
Library automation	Yes. Library automated its operations by using SOUL software since 2010
Total number of computers for public access	28

Total numbers of printers for public access	03
Internet band width/speed 2mbps 10 mbps 1 GB	100 Mbps
Institutional Repository	Not yet implemented
Content Management system for e-learning	No
Participation in resource sharing networks/consortia (like INFLIBNET)	Yes. N-LIST , INFLIBNET and DULS

#### 4.2.5 Provide details on the following items:

Average number of walk-ins	250
Average number of books issued/returned	400
Ratio of library books to students enrolled	25:1
Average number of books added during last three years	1600
Average number of login to online public access catalogue	50
Average number of Login to e-resources	30
Average number of e-resources downloaded/printed annually	10,000
Number of information literacy training organized	02
Details of “Weeding out” of books and other materials	11386

#### 4.2.6 Give details of the specialized services provided by the library

Manuscripts	No
Reference	Yes. Users are helped in tracing the books and are guided as needed.
Reprography	Yes. Photocopy facility available in the library premises.
ILL (Inter Library Loan service)	Yes. As and when required.
Information deployment and notification (Information Deployment and Notification)	Through notices on website and emails

Download	Yes
Printing	Yes
Reading list/Bibliography compilation	Yes. On demand
In-house/ remote access to e-resources	Yes. In-house access to UGC Infonet and DULS resources. However, remote access is available to N-LIST resources.
User Orientation and awareness	Yes. The library conducts class wise orientation in the beginning of every session.
Assistance in searching Databases	Yes
INFLIBNET /IUC facilities	N-LIST/UGC Infonet services of INFLIBNET are availed

#### **4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.**

The staff in the library renders unconditional help and support to all users. Sincere efforts are directed towards making library a user friendly resource. The library staff provides the following services to the users:

- Locating books, journals and other reading material
- Database searching, downloading, printing, scanning etc.
- Providing course material, syllabus and question papers of previous years
- Providing reference service
- Assistance in bibliography preparation
- Providing email alerts and latest updates
- OPAC searching

#### **4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.**

- The library supports Supernova and JAWS computer screen reader software to access the internet.
- Audio CDs and Braille material are also available for visually challenged users.
- Two computers along with a printer are kept at the ground floor in the library for PwD users to access the internet.
- PwD users are assisted with library services at their seat. Any material required by them is supplied at their desk within the library. The library staff takes care of the needs of the PwD users on priority basis.

**4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)**

In order to invite feedback, the library has installed a suggestion box at its entrance. Feedback is also taken from students in an informal manner at the time of giving 'No Dues' certificate.

**4.3 IT Infrastructure**

**4.3.1 Give details on the computing facility available (Hardware and Software) at the institution. Number of computers with Configuration (provide actual number with exact configuration of each available system):**

There are a total of 147 Desktop PCs; 1087 Laptops, 20 Workstations, 14 I-Macs, 2 Servers as per details given below:

S. No.	Details of Desktop/ Workstation	Qty	LAN	Wi-Fi
1.	ACER / Intel Xeon CPU 2.40 GHz / 8 GB RAM / 300 GB X 3 HDD / Windows Server 2008 R2 Enterprise	02	Yes	No
2.	ACER / Veriton M200 Series / 2.60 GHz AMD Phenom / 2 GB RAM / 320 GB HDD / Ubuntu	77	Yes	Yes
3.	ACER / Veriton M200 Series / 2.60 GHz AMD Phenom / 2 GB RAM / 320 GB HDD / Windows 7 32 Bit Professional	02	Yes	Yes
4.	ACER / Veriton M200 Series / 2.60 GHz AMD Phenom / 2 GB RAM / 500 GB HDD / Linux 12.04 LTS	01	Yes	Yes
5.	HP / Intel Core 2 CPU 2.40 GHz / 512 MB RAM / 80 GB HDD / Windows XP SP 3 Professional	44	Yes	No
6.	HP / Intel Core 2 CPU 2.40 GHz / 512 MB RAM / 80 GB HDD / Windows XP SP 3 Professional	11	No	No
7.	Dell Workstation T-1600 / Intel Xeon CPU 3.30 GHz / 4 GB RAM / 500 HDD / Windows 7 Professional 64 Bit	17	Yes	No
8.	Dell Workstation T-1600 / Intel Xeon CPU 3.30 GHz / 6 GB RAM / 1.5 TB / Windows 7 Professional 64 Bit	3	Yes	No
9.	HP / Intel Core i5 3.10 GHz / 4 GB RAM / 500 GB HDD / Windows 7 Professional 32 Bit	3	No	Yes
10.	HP / Intel Core 2 Duo 3.07 GHz / 2 GB RAM / 320 GB HDD / Windows 7 Professional	8	Yes	No
11.	ACER Intel 3.06 GHz/ 256 MB RAM / 80 GB HDD/ Windows XP SP 2 Professional	1	No	No
12.	Apple i-Mac / Core i3, 3.06 GHz, / 500 HDD /	1	No	Yes

S. No.	Details of Desktop/ Workstation	Qty	LAN	Wi-Fi
13.	4 GB RAM / Version 10.6.4 Apple i-Mac / Core 2 Duo 3.06 GHz / 1 TB HDD / 4 GB RAM / Version 10.6.2	2	No	Yes
14.	Apple i-Mac / Core 2 Duo 2 GHz / 250 GB HDD / 1 GB RAM Version 10.5	1	Yes	Yes
15.	Apple i-Mac / Core i5, 3.2 GHz / 1 TB HDD / 8 GB RAM Version 10.5	10	No	Yes

S. No	Details of Laptop along with their configurations	Qty
1.	HP/Intel i5 Processor, 4 GB RAM, 500 GB HD, DVD Writer, 14 Screen, Dual Boot (Windows 7 Professional 64bit and Suse Linux)	25
2.	HP/ Probook 445G1, 8 GB RAM/500 GB HDD / AMD Elite A10 5750M 2.56 GHz Processor; Ubuntu 12 64-Bit	23
3.	HP/ Probook 445G1, 8 GB RAM/ 320 GB HDD / AMD Elite A6 5350 / Ubuntu 12.04 LTS 64 Bit	1031
4.	Lenovo Y500 / Intel Core Duo 1.87 GHz / 1 GB RAM /120 GB / Windows 7 Professional 32 Bit	2
5.	Lenovo G560 / Intel Core i3, 2.40 GHz / 3 GB RAM / 320 GB HDD / Windows 7 Professional 32 Bit	1
6.	Dell / Intel Core i7 2.40 GHz / 8 GB RAM / 1 TB / Windows 8 Single Language	1
7.	Lenovo G560 / Intel Core i3, 2.40 GHz / 3 GB RAM / 320 GB HDD / Windows 7 Professional 32 Bit	1
8.	Lenovo / Intel Core i3, 2.40 GHz / 3 GB RAM / 500 GB HDD / Windows 7 Professional 32 Bit	1
9.	Lenovo G560 / Intel Core i3, 2.40 GHz / 3 GB RAM / 320 GB HDD / Windows 7 Professional 32 Bit	1
10.	HP / Intel Core i5, 2.50 GHz / 4 GB RAM / 500 GB HDD / Windows 7 Professional 64 Bit	1

S. No	Details of Printers	Qty
1.	HP Laserjet 1020	12
2.	HP Laserjet 1007	14
3.	HP Laserjet 2600 N	01
4.	HP Laserjet 1505	04
5.	Samsung ML-2010	04
6.	HP Laserjet 2035 N	01
7.	HP Laserjet 1200	01
8.	HP Laserjet CP 1215	01
9.	HP Office Jet J3608	02
10.	HP Laserjet 1022	01
11.	HP Lasetjet 1606 dn	04
12.	HP Laserjet CP 1525	01
13.	HP Deskjet D4368	02
14.	HP Laserjet ML1120	01

Computer Student Ratio	1:3
Standalone systems	3
LAN facility	144
Wi-Fi facility	This facility is made available through 19 Access Points centrally managed by Router (Zonal Director). More than 1000 devices have wireless access.
Licensed Software	The college has a total of 9 Licensed Software. Details are given in Table 4.1.
Any Other	The college has a total of 48 Printers, 46 Projectors, 13 Scanners, 5 Podiums, 7 Smart Boards, 2 Fax Machines, 5 nos. 10 K.V.A and 2 nos. 2 K.V.A UPS and 2 Xerox Machines.

S.no	Software	Qty	License Owned by
1.	Windows Server 2008 R2	01	DU
2.	Microsoft Office 2007	01	College
3.	Microsoft NT Server	01	
4.	SEP Antivirus	10 Users	
5.	Acrobat Reader 8.0	01	
6.	Visual Studio 6.0	01	
7.	Jaws	01	
8.	Kurzweil	01	
9.	Supernova	01	
Total number of licensed software		09	

#### 4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

Computer and Internet facility is made available to the faculty and students on the campus.

Out of the total of 1054 Laptops (Make: HP, Model: Probook 445G1, 8GB RAM/AMD Elite A65350M 2.9 GHz Processor, Specs: Ubuntu 12/), 1031 have been provided to students. 23 Laptops (with AMD Elite A10 5750M 2.56 GHz Processor) and 25 Windows laptops have been provided to the faculty.

The college has a total of 147 desktop computers, 12 Laptops and 20 workstations available in various departments as given in Table 4.2.

**Table 4.2**

<b>S. No</b>	<b>Department</b>	<b>No. of PCs</b>	<b>No. of Laptops</b>	<b>No. of Workstation</b>
1.	Computer Science department	99	6	3
2.	Administration	13	Nil	6
3.	Library	31	Nil	5
4.	Physics department	Nil	2	1
5.	Chemistry department	Nil	2	2
6.	Botany department	2	1	1
7.	Zoology department	1	1	2
8.	Enabling Unit	3	Nil	Nil

The College is a part of NKN's fiber optic Gigabit Network through the University of Delhi, with present Internet speed of 100 Mbps scalable to 1 Gbps.

Every department is a part of the centralized LAN, besides having their own departmental network. The entire campus is Wi-Fi enabled. Students and faculty have been provided Wi-Fi authenticated User ID and Password for internet access through their devices (Mobile, Laptops etc.).

#### **4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

The 'Computerization Committee' is responsible for procuring and maintaining the IT infrastructure. The requisitions for any kind of IT need are approved by the committee. Standard procedures of purchase are followed thereafter. The committee monitors and suggests upgradation of the available hardware and software regularly. The committee further ensures that the IT infrastructure too is periodically upgraded to keep pace with the changing syllabus and needs of the curriculum.

#### **4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for the last four years)**

The total amount spent on procurement, upgradation, deployment and maintenance of computers and their accessories in the last four years is given in **Table 4.3**.

**Table 4.3**

Year	2014 - 15	2013 – 14	2013 – 12	2012 – 11	Total
Amount Spent (Rs.)	1,75,230/- since Feb. 1, 2015	1,07,023/-	3,35,290/-	7,77,498/-	13,95,041/-

**4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?**

There are four state of the art computer laboratories for the use of students. The department of Computer Science ensures that there is no sharing of computers. Every student works on an individual computer during the practical classes. The labs are equipped with LCD projectors so that the teachers use multimedia content along with the talk and chalk method. There are 25 rooms equipped with LCD projectors and white boards. Additionally 25 laptops with Windows and 23 laptops with Ubuntu operating system have been provided by the University for faculty members. There is a reading room for teachers in the library for accessing the internet and preparing lectures. The college is in the process of setting up an 'E-content Creation Laboratory', where the faculty can prepare multimedia lectures.

**4.3.6 Elaborate giving examples on how the learning activities and technologies deployed (access to on-line teaching-learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

There has been a paradigm shift in the teaching learning process, which is now more student centric. The students have access to various information resources and are not entirely dependent on the teacher for the information and knowledge. The internet and its easy accessibility through laptops, tablets and mobiles have redefined the role of a teacher. The role of a teacher is that of a facilitator keeping the student's learning at the centre. The college provides adequate ICT resources to teachers and students. The classrooms are ICT enabled to facilitate delivery of multimedia content. The students can access internet in the Internet Lab. All students and faculty members also have log-in passwords to access the college Wi-Fi. The University has provided laptops for the use of faculty and students.



#### 4.3.7 Does the institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

The college is availing National Knowledge Network connectivity. Various services that are being availed using NKN are:

- Wide Area Network (WAN) of Delhi University
- Local Area Network (LAN) of College
- Access to the scholarly content of UGC-INFLIBNET Digital Library Consortium
- Local resource sharing services of Delhi University Library System
- Internet services through dedicated Fiber Optic network, presently with 100 Mbps

#### 4.4 Maintenance of Campus Facilities

##### 4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)

The details of amount spent on maintenance during the last four years are given below:

S. No.	Items	2011-12	2012-13	2013-14	2014-15
1.	Building	6,61,029.00	2,19,66,234.00	87,31,962.00	93,94,670.00
2.	Furniture	3,22,566.00	21,18,124.00	15,99,465.00	Nil
3.	Equipment	46,78,539.00	24,15,575.00	26,18,345.00	Nil
4.	Computers	7,77,498.00	3,35,290.00	2,37,799.00	97,718.00
5.	Vehicles	56,559.00	46,978.00	54,014.00	58,739.00
6.	Any other	1,24,145.00	1,80,520.00	70,140.00	1,41,377.00

##### 4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Regular repair work is done to maintain the college building. The civil work is undertaken by CPWD. The maintenance of IT infrastructure is outsourced through annual maintenance contract. The technical staff in all laboratories is responsible for looking after the routine maintenance of equipment and instruments.

Other major equipment of the college like generator sets, R.O. system, Intercom facility, photocopying machines etc. are also maintained through annual maintenance contract. For some equipment, the

manufacturer is contacted on need basis.

**4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?**

The calibration is checked and maintained in routine for regular conduct of laboratory sessions. The sensitive electronic instruments are calibrated by the technical staff, as and when required, in consultation with the faculty.

**4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

The college has a generator set of 250 KVA for full power back up and three phase electric supply. The computer laboratories are supported by On/Off line UPSs. For constant supply of water, the college has NDMC pipeline. There are tanks for water storage and also underground water is supplied for various purposes.

College water tanks are cleaned regularly. The college has a team of efficient and experienced gardeners to maintain the lawns of the college, and a competent support staff to ensure the cleanliness of the campus. Fire safety measures are also in place.

## **CRITERION V**

# **STUDENT SUPPORT AND PROGRESSION**

## CRITERION V: STUDENT SUPPORT AND PROGRESSION

### 5.1 Student Mentoring and Support

#### 5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The College prospectus is printed annually and is made available to the admission seekers before the process begins. It provides information about the faculty, various courses offered, admission criteria, schedule and procedure, fee structure, terms of payment and facilities available. It also includes guidelines issued by the University for admission under the sports and extracurricular activities quota. The students are informed about the University academic calendar, examination procedure, promotion guidelines, scholarships and prizes etc. The college calendar of activities is also included. The prospectus also sets out choices available to the students under extra-curricular activities viz. music, dance, dramatics, debate, fine arts, NSS, NCC etc. along with detailed information about the associations and societies responsible for conducting these activities.

The college constitutes a Grievance Committee to address any type of grievances involving the undergraduate admission. To assist prospective students, the names with phone numbers of the members of this committee are included in the prospectus and also uploaded on the college website. Special Categories Admission Enabling Committee ensures the admission and welfare of special category candidates.

Besides this, other significant information as well as list of cut-off percentages for each admission list is displayed at many strategic locations for admissions seekers. Same information is also uploaded on college website ([www.maitreyi.ac.in](http://www.maitreyi.ac.in)) and the University's website ([www.du.ac.in](http://www.du.ac.in)).

#### 5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Financial aid to economically weaker students is provided on the recommendations of the Freeship Committee comprising of teachers. The procedure involves inviting applications and their screening, followed by the interview round. Timely disbursement of the aid is ensured.

**Table 5.1** provides the detail of the aid provided during the last four years.

**Table 5.1**

<b>Year</b>	<b>Number of Beneficiaries</b>	<b>Amount Disbursed (Rs.)</b>
2014 – 15	80	30,400/-
2013 – 14	75	28,500/-
2012 – 13	119	45,220/-
2011 – 12	31	5,580/-

### **5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?**

Candidates belonging to the SC / ST / OBC category are awarded scholarships by the states to which they belong. The scholarship forms of deserving candidates are forwarded by the college to the respective agencies which directly credit the amount to the bank accounts of these candidates. The college only provides the information regarding the number of students belonging to a specific category and their state and does not play any other role in this context.

### **5.1.4 What are the specific support services/facilities available for:**

- **Students from SC/ST, OBC and economically weaker sections -**

Students from SC/ST and OBC sections are given relaxation in the cut-off percentage as per university rules at the time of admission. The college also provides fee concession to students from economically weaker sections of the society. Apart from this, a book bank facility is also available for them in the library.

- **Students with physical disabilities -**

The 'Enabling Unit' of the college has been constituted to provide and ensure all possible support to PwD. Students with disabilities are given full fee waiver and relaxation in cut off % for admission. The college has undertaken many infrastructural changes and modifications to make the campus disable friendly. Ramps with firm hand rails at distinct places in the college ensure easy and hassle free movement. The washrooms on the ground floor have been specially renovated for the PwD. Wheelchairs are also available for the orthopedically disabled. The proposal of installing an elevator to facilitate access to upper floors is under consideration. Braille as a facility and screen reading software JAWS and Kurzweil are available in the college library. The stock of audio CDs and books in Braille in the library is being augmented.

- **Overseas students**

The college has a Foreign Students' Committee that assists and facilitates the process of adaptation of the overseas students to the new environment. Depending on the specific needs of such students, remedial classes are conducted to enable them to overcome linguistic barriers. Informal support groups and assistance forums are formed amongst the students for their help.

- **Students to participate in various National and International competitions**

The college offers necessary support to the students for participating and competing at national and international levels. The college has provision to impart training to the interested and potential students to groom their talent. Trained professionals (both for sports and extracurricular activities) are hired by the college and many practice sessions are conducted. Encouragement, guidance and assistance are constantly provided by the conveners of the various committees. Students securing positions are felicitated on the college Annual day. For details of the achievements of the students refer section **5.3.2**.

- **Medical assistance to students: Health Centre**

The college has a medical room that is equipped with the basic health care and first-aid facilities. A part time doctor visits the college on appointed days. In case of an emergency, there is provision to take students to the nearby hospitals (All India Institute of Medical Sciences and Primus Super Specialty Hospital) for medical assistance. Under the OBC grant, the post of a full-time nurse has been sanctioned (will be outsourced).

- **Organizing coaching classes for competitive exams**

The college does not provide any formal coaching for competitive exams. However, students informally discuss their queries with the concerned faculty. The teachers happily render their full support to any student who approaches them. Some departments have created question banks to facilitate the learning for competitive exams.

- **Skill development (spoken English, computer literacy, etc.)**

Skill development is undertaken to create opportunities and enhance confidence among students. This gives direction and channelizes them for better job opportunities. The various skills such as dance, music, debate, dramatics, photography, painting, sketching, creative writing, athletics etc. are enhanced by the coaches and professional trainers hired by the college. The development of subject specific skills such as creative writing, research methodology is nurtured by organizing

competitions, workshops, etc. Besides the availability of computers and internet in the library, the college has four state-of-art computer labs. The campus is Wi-Fi enabled. There is a provision of laptops and desktops for the faculty and laptops for the first year students. To enhance computer literacy, college organizes workshops for teachers, students and non-teaching staff regularly.

- **Support for “slow learners”**

The college conducts remedial classes for the benefit of those students who are unable to keep pace with the regular classroom sessions. Tutorials, where students are taught in smaller groups, are an integral part of the teaching process. This ensures that such students receive individual attention from the teacher.

- **Exposures of students to other institution of higher learning/ corporate/business house etc.**

The college believes in providing exposure outside the classroom. Various initiatives have been taken in this direction as it helps develop scientific temper and research culture among students. Trips are organized by the departments to various institutions; corporate and business houses every year to provide an insight into the structure, functioning and the goals of these institutions to the students. The budding scientists and researchers of the college are encouraged to pursue their interest in research. Students are able to undertake internship programmes, summer training, etc. in various institutes (*Refer 3.3.4*).

- **Publication of student magazines**

The college publishes a magazine ‘Maitreyi’. This magazine has Hindi, English, Sanskrit, Punjabi and Science sections. It has a collection of self-composed poetry, prose, short-stories, articles on inventions and recent trends in the world of science and technology etc. which are contributed by the students and faculty of the college. A competition for students is organized for designing the cover page. Several departments are also bringing out their individual departmental magazines / bulletins / newsletters. The students of Physics, Sanskrit, English and Hindi departments maintain wall magazines on specific themes. This is a step to promote creativity.

### **5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.**

To inculcate entrepreneurial skills in the students, lectures and workshops are organized in the college. Many companies have been coming to the college to select students for internship and placements in their organizations. Our students are also working with companies at the managerial level. A few of our students are budding

entrepreneurs. To name a few alumni, **Ms. Jyoti Chali** is the President and CEO of Banyan Foundation Inc. (Health Care), Santa Clara, California, USA, Ms **Sivakami Kapoor**, is the owner of Santigram Ayurveda Wellness Centre, New York.

Students learn various entrepreneurial skills at the college level while organizing various events like Diwali-Mela, Rhapsody, etc. The students set up stalls where they sell handicrafts, handmade cards, cookies and pastries, self-designed jewelry etc.

**5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.**

To achieve its mission of overall growth and development of its students, the college has various policies and strategies in place. Many opportunities in the form of extracurricular and co-curricular activities such as sports, games, quiz competitions, debate and discussions, cultural activities etc. are available to the students. The students enroll themselves in various societies and associations, through which they get ample opportunity to participate in both intra- and inter-college events and competitions. Various student teams e.g. dramatics, music, dance etc. are given special training by professional instructors. They also follow a rigorous practice schedule within the college premises. Students, who pursue sports and NCC also report for practice schedules and are provided with specialized coaching. The student representatives of the various societies are felicitated on the College Annual Day. The Annual Cultural Festival of the college, 'Rhapsody' acts as a motivating platform for students to showcase their talent and organizational skills.

Relaxation in attendance as per University rules is provided to students participating in inter-college sports / ECA competitions. The efforts of our students are well rewarded as detailed in **5.3.2**.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.**

As per University rules, no formal coaching is provided to students to help them prepare for the competitive exams. Therefore, no such data is available. However, the students of Maitreyi College are doing very well in all spheres. The overall academic and personal grooming of the students at the college level helps them to clear many such exams.

**5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)**



As per University directives, an Admission Grievance Cell and a Cell for Special Category Counseling is set up at the time of admission. Students can seek counseling, assistance and guidance from these cells. The college also has committees for anti-ragging, sexual harassment and foreign students. The students can share their concerns through these committees and desired counseling is provided to them. Action if necessary is also taken.

The college organizes an Orientation Programme for the freshers before the University opens for the new academic session. They are familiarized with the various aspects of the college. The students are also given Departmental Orientations, where they are acquainted with the intricacies of the course structure and the pedagogical practices.

The college also provides academic and career counseling through the 'Career Counseling & Placement Cell'. It organizes lectures / seminars / workshops on the available career options for the students and also invites companies for placements on the college campus.

The environment in the college is congenial and student friendly. The student – teacher relationship is not restricted to mere academics. Students also discuss their personal and psycho-social problems with the teachers on an individual basis. Teachers provide full support and guidance to enable students to deal with their predicaments.

**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).**

The college has an active Placement Cell managed by a team of faculty members and students. The team organizes seminars and conducts placement drives on the college campus. It also works towards increasing awareness among the students about different career and placement opportunities and options. A few highlights are:

- A workshop conducted on 'Soft Skills and CV Building' by Mrs. Sarika Sofat to enhance the competence and efficiency of students through their resumes.
- Educational Institutes like Institute of Technology & Management (IITM), Study Overseas Global, Young India Fellowship (YIF) New Delhi Institute of Management (NDIM) enlightened the students about the courses offered by them.
- 10 Minutes With, a job portal for undergraduate students provided information about job opportunities abroad.
- IAAT and Career Launcher supplied information and tips to students about how to crack entrance exams such as CAT, XAT, CMAT, UPSC, Civil Services, CSAT, SSC, Bank P.O., etc.

- Companies like Nielsens, Aditya Birla Money Mart Limited, Ernst & Young (EY), [Smartican.Com](http://Smartican.Com), iACT Global Education Pvt. Ltd., Storehippo (Manusis Technologies), Clairvortex and IIFM etc. have offered jobs /internships to our students.

**5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

The college has a student Grievance Redressal Committee, which is headed by the Nodal Officer, a faculty member appointed by the Staff Council. The committee has student representation as well. Till date no case has ever been reported to the Grievance Redressal Committee.

**5.1.11 What are the institutional provisions for resolving issues of sexual harassment?**

The college has a Committee against Sexual Harassment comprising of three members from the teaching faculty, two from the non – teaching staff, three students and two external co-opted members. In 2013, the University issued fresh guidelines and the constitution of the committee has since changed. It is now called the ‘Internal Complaints Committee’ and comprises of three nominated teachers and one co-opted member from outside the college. The contact numbers of the committee members are available on the college website and prominently displayed on the college notice boards. The committee undertakes to resolve any matter of sexual harassment that may occur within the college premises.

Some of the measures adopted to ensure safety of the students are:

- A database of all the college students residing in private hostels and PG accommodation has been prepared for official records.
- A meeting of the students with SHO, Chanakyapuri Police Station is held regularly.
- Patrolling of Police van around the college has ensured the security of the students.
- The committee has been organizing skits, poster and slogan making competitions on Gender related issues. In 2013-14, a declamation competition was held on ‘Inhuman behavior of Men towards Women - Reasons and Remedies’.

The committee has not received any complaint from any student or staff so far.

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

‘Anti-ragging Committee’ headed by the Nodal Officer comprises of faculty members and has student representation as well. To generate awareness among the students, the committee organizes lectures/seminar by advocates and Judges at the beginning of each

academic session. The names and phone numbers of the committee members are uploaded on the college website and displayed on the notice boards. There has been no reported case of ragging in the past four years.

**5.1.13 Enumerate the welfare schemes made available to students by the institution.**

The college provides the following facilities to the students as welfare measures:

- Book store
- Photocopy and binding shop
- Canteen facility and Mother Dairy booth for healthy food option
- Medical room
- Girls Common Room
- Legal Aid Cell
- Fee concession to needy and meritorious students
- Internet facility and electronic information resource centre
- Book Bank facility
- Career counseling and placement services
- Enabling Unit for PwD

**5.1.14 Does the institution have a registered Alumni Association? If Yes', what are its activities and major contributions for institutional, academic and infrastructure development?**

The college does not have a registered Alumni association. However, the college organizes annual Alumni meet to facilitate their interaction with the college. All out going students are enrolled as 'Life Members' to this association on payment of a nominal fee of Rs. 100/-. Many of our alumni are well placed in the corporate sector and entertainment industry. Some pursue post-graduation, B.Ed. etc. and many have come back to their alma-mater to serve as faculty. The college has recently initiated the process of collating details of alumni by designing an Online Alumni Registration Form available on the college website.

**5.2 Student Progression**

**5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.**

- Most of our students pursue higher education after completing their graduation. The exact progression data is however not available with the college. With the 'Online Alumni Registration Form' we hope to compile this information in the near future.
- Since our college primarily caters to undergraduate courses, direct progression data regarding students pursuing M. Phil or Ph. D. is not available.

- Placement details for 2014-15 are given in **Table 5.2**

**Table 5.2**

1	No. of students getting successful placements	15
2	No. of companies/Industries coming for campus recruitment	10
3	No. of repeat recruiters	02
4	No. of students selected for internship	36

**5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish 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.**

The results of the students of our college are worthy of mention. The pass percentage in most of the under graduate courses is more than 90%. **Table 5.3** furnishes the course wise result (pass percentage) for the last four years.

**Table 5.3**

S. No.	Name of Course	Pass Percentage			
		2011-12	2012-13	2013-14	2014-15
1.	B.A. (Prog.)	98.33	100	100	99.45
2.	B.Com. (Pass)	100	100	100	100
3.	B.Com. (Hons.)	97.72	96.36	100	100
4.	B.A. (Hons.) English	81.48	90.9	100	97.7
5.	B.A. (Hons.) Economics	92.59	100	100	100
6.	B.A. (Hons.) Hindi	100	100	100	100
7.	B.A. (Hons.) History	100	100	100	100
8.	B.A. (Hons.) Maths	100	*	NA	NA
9.	B.A. (Hons.) Pol. Science	84.61	98.36	100	100
10.	B.A. (Hons.) Sociology	76.19	100	100	100
11.	B.A. (Hons.) Sanskrit	**	100	100	100

S. No.	Name of Course	Pass Percentage			
		2011-12	2012-13	2013-14	2014-15
12.	B.Sc. (Hons.) Botany	100	100	100	100
13.	B.Sc. (Hons.) Chemistry	96.15	100	100	100
14.	B.Sc. (Hons.) Maths	100	95.34	100	98.27
15.	B.Sc. (Hons.) Physics	100	100	100	100
16.	B.Sc. (Hons.) Zoology	100	100	100	100
17.	B.Sc.(P) Phy. Sc.	96.15	100	100	100
18.	B.Sc. (P) Life Sc.	100	100	100	95.31
19.	M.A. Pol. Sc.	100	100	100	66.6
20.	M.A. Maths	100	100	100	100
21.	PG Diploma in Nanotechnology	100	100	***	NA

\*B.A. (Hons.) Maths and B.Sc. (Hons.) Maths merged by DU from the academic session 2012-13.

\*\*No student promoted to III year in 2011-12.

\*\*\*PGDN discontinued in 2013 on introduction of FYUP by DU.

### 5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The College facilitates student progression to higher level of education and/or towards employment through seminars/workshops organized by different departments and career counseling and placement cell. Until recently, short-term add-on courses on Nanotechnology, Web-designing and Journalism and PGDN were being conducted by the college to facilitate early placements to students with enhanced skills.

### 5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

The college has provision of remedial classes for students who are unable to keep pace with regular classroom sessions. Though informal, faculty provides psychological support to cope with stress of competition and also provide extra time for the slow learner. Students who cannot attend classes regularly either due to illness / family complications / circumstances, are given extra time to submit their assignments and are encouraged to take re-tests to improve their grades. The brighter students are also motivated to help the slow

learners.

### **5.3 Student Participation and Activities**

#### **5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.**

The college offers a variety of games, curricular and extracurricular options to the students. A formal calendar of activities does not exist, but different societies regularly hold events and competitions and participate in all activities of the college like Orientation Day, Freshers' Day, Independence Day, Sports Day, Annual Day and the Annual Cultural Festival 'Rhapsody'. Some of the cultural societies are:

- Nrityakriti (Indian Dance),
- Riyaaaz (Indian Music),
- Zeal (Western Dance),
- Vista (Photography),
- Galore (Fashion Society),
- Trenchant (Debate),
- Abhivyakti (Dramatics).

Sports facilities are available for individual as well as team games. Training sessions by professional coaches are arranged for archery, athletics, aquatics/diving, basketball, baseball, badminton, chess, cricket, cross country, football, gymnastics, handball, softball, hockey, judo, kho-kho, kabadi, netball, shooting, tennis and volleyball.

The college also maintains two companies of NCC which are actively associated with all the projects of NCC.

The NSS unit is engaged in many community projects such as adult literacy, blood donation and cleanliness. This unit is also working with Blind Relief Association and Spastics' Society.

The NGO 'Enactus' works for the backward section of the society and helps them earn a living. Enactus Maitreyi and its team of 30 members are working since 2014 to improve the standard of living of unemployed and poor people by implementing socially, economically and environmentally viable projects to make them self-reliant and self-sufficient. **Project Unnayan**, debut project in collaboration with NGO 'Love Care Foundation' aims at empowering women living in slums of Mayur Vihar by training them in making and selling liquid dishwasher named '**Clean Ninja**'. The product is lab-tested, environmentally friendly and economical.

#### **5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different**

**levels: University / State / Zonal / National / International, etc. for the previous four years.**

### **ACHIEVEMENTS IN NCC IN LAST FOUR YEARS**

#### **NCC (2014-15):**

- Enrolment of 107 candidates.
- Participation by 6 cadets in RDC I and II.
- LC Anjali and SUO Sonia were chosen for RDC III camp; SUO Sonia selected for RDC IV.
- SUO Sonia also represented Delhi Directorate at PM's rally in January 2015 for cultural activities.
- Participation by 51 cadets on World Yoga Day.

#### **NCC (2013 – 2014):**

- 135 cadets were enrolled.
- 42 cadets have attended CATC camp of 12 days held in 2013. 41 cadets attended camp held at Delhi Cantt. Parade Ground and 8 cadets participated in CATC camp held in 2014.
- In September 2013, National Sports meet of NCC was held in Delhi. Three of our cadets (Cdt. Aditi of B.Com I year, Cdt. Jyoti of BA (Hindi) II year and Cdt. Manisha of B.Tech I year were selected for the Yoga Event. Cadet Pooja Khatri BA (P) II year represented at Kho- Kho event.
- Three cadets were selected for Thal Sainik Camp ( Cdt. Sushi Singh, Cdt. Himani and Cdt. Preeti)
- ANO Lt Dr. Padma Saxena along with 12 cadets participated in Ajmer Trek camp (8 Nov-15 Nov, 2013).
- It was a National Level Camp and along with trekking, cultural and sports competitions were also held.
- Cadets bagged 2nd prize in group song and appreciation in piloting event in the above camp. JUO Pooja Kumari was selected as senior of 4 directorates.
- JUO Mohini Chowbey BA (H) Pol. Sc. II Year was selected for the best cadet competition from Delhi Directorate.
- SUO Monika Rani and SUO Pooja Yadav of B.Sc (H) Chemistry II Year participated in RDCs.
- Two students were selected to represent Delhi Directorate for the cultural event performance at PM house.
- 3 cadets successfully qualified the B- certificate exam and C- certificate examination was taken by 37 candidates.
- 35 cadets participated in Antardhavani – the DU annual festival 2014.

#### **NCC (2012-13):**

- Enrolment of 160 students with 3 Delhi Girls Battalion,

Safdarjung Enclave.

- SUO Megha and SUO Sangeeta Yadav of BA (prog) IV Sem. were selected for RDC and both represented the NCC contingent in the parade at Rajpath on Republic day. They received Gold Medal for the best performance by Delhi Directorate in cultural activities at the PM's rally in January, 2013.
- 25 cadets attended the felicitation by the President of India of all women soldiers who went on the Everest expedition.
- Captain Poonam Sangwan was among the seven cadets who reached the summit.
- 47 cadets selected for projects Gyanodaya-I and II organized by the University of Delhi.
- Participation of 64 cadets in CATC camp held at Delhi Cantt. in July-August.
- Cdt. Karula won the first prize in extempore, Cdt. Sangeeta and Cdt. Megha won the first prize in the quiz competition.
- Maitreyi Cadets were judged the best cadets in Line Area Competition.
- Sgt. Manisha, Cdt. Karula, Cdt. Tapasaya and Cdt. Sangeeta participated in CM's rally held at Chhatarsal stadium in July-August.
- 3 cadets were selected for NIC camp held in Mumbai in October.
- Cdt. Megha, Cdt. Tapasaya and Cdt. Karula were selected for Army Attachment Camp (ATC) at Meerut held in August September.
- 4 cadets got selected for the Ajmer trekking camp in October.
- 11 cadets participated in CATC camp held at Najafgarh.
- In January, 15 cadets participated in the Delhi University cultural festival 'ANTARDHVANI'.
- 86 cadets appeared for B and C certificate examination 2013.

**NCC (2011-12):**

- 144 NCC cadets got enrolled with 3 Delhi Girls Battalion, Safdarjung Enclave.
- SUO Himanshi, Physics (H), IV semester and JUO Arushi was selected to lead Delhi Contingent in PM rally at Parade Ground Delhi Cantt.
- JUO Himanshi represented the NCC contingent parade at Rajpath on Republic Day.
- 11 cadets participated at CATC camp held at Delhi Cantt. in May, 2011.
- JUO Varsha Sharma has won the Gold medal I shooting, SUO Himanshi bagged the Gold medal for slogan writing competition.
- Cdt. Sangeeta and Cdt. Khushboo were selected for NIC camp at Hailakandi, SS College, Assam in October, 2011.
- Cdt. Manisha was selected for NIC camp, Andhra Pradesh held in January, 2012
- .Cdt. Sangeeta Yadav was selected for Army attachment at Meerut



Camp in October, 2011.

- 9 cadets participated in CATC camp held at Baprolla, Najafgarh, Delhi in January, 2012.
- 24 cadets appeared for B and C certificate examination 2012.

#### **NCC (2010-11):**

- 123 cadets got enrolled in college Girl's battalion.
- Three 'C' certificate holders 2009 batch (JUO Gargee, Cdt. Vinita, and Cdt. Sushma) appeared for SSB interview held at Allahabad.
- 23 cadets were selected for serving as volunteers during the Common Wealth Games held in Delhi from 3-14 October, 2010.
- Cdt. Anamika participated in NIC Delhi Cantt and was selected for cultural activities for the Republic Day Camp.
- 3 cadets (SUO Preeti, Sgt. Himani and Cdt. Priyanka) were selected for Amar Jawan Jyoti (AJJ) celebrations held at India Gate in November 2010.
- SUO Yashbala and Cdt. Versha participated in RCTC (Rock Climbing Trekking Camp) held in July in Kerala.
- Cdt. Versha was selected for NIC Srinagar held in August 2010.
- JUO Jyoti Joshi and JUO Priya participated in National Integration Camp, Amritsar in October, 2010.
- Cdt. Vijaylaxmi and Cadet Uma attended Darjeeling Trekking Camp held in November 2010.
- 6 Cadets participated in the CATC camp held near Rhishikesh in June 2010.
- 11 cadets appeared for B and C certificate examination 2011.

### **ACHIEVEMENTS IN SPORTS IN LAST 4 YEARS**

**Table 5.4: Achievements of 2014 – 15**

S. No.	Name	Course	Game	Level	Position
1.	Akshita Katariya	B.A. (H) Economics	Yoga	National	Participation
2.	Anjali Kalra	B.Com. (H)	Karate	National	Participation
3.	Ayushi	B.Sc. Physical Sc.	Handball	Inter College	IV
4.	Chanchal	B.A. (P)	Ball Badminton	National	Participation
5.	Diksha	B.Sc. (H) Chemistry	Volleyball	University	Participation
6.	Ikshita Arora	B.Com. (H)	Volleyball	Inter College	Participation
7.	Kaveri Chauhan	B.Sc. Physical Sc.	Athletics	Inter College	Participation
8.	L. Vaishnavi	B.A. (H) Economics	Athletics	Inter College	Participation
9.	Latika Sokeen	Maths (H)	Netball	Inter College	II
10.	Mamta	B.A. (H) Hindi	Ball badminton	National	Participation
11.	Manpreet	B.A. (H) Pol. Sc.	Judo	National	Participation

S. No.	Name	Course	Game	Level	Position
12.	Preeti	B.Sc. (H) Zoology	Taekwondo	Inter College	II
13.	Prerna Tyagi	B.A. (H) Pol. Sc.	Handball	National	Participation
14.	Priyanka	B.Sc. (H) Zoology	Volleyball	Inter College	Participation
15.	Rashmi	B.A. (P)	Ball Badminton	National	Participation
16.	Romila	B.A. (P)	Basketball	Inter College	II
17.	Shalu	B.A. (P)	Ball Badminton	National	Participation
18.	Soni	B.A. (P)	Handball	National	Participation
19.	Stuti Dubey	B.Sc. (Biology)	Handball	Inter College	IV
20.	Suhani Gupta	B.Com. (P)	Basketball	Inter College	II
21.	Taranpreet	B.A. (P)	Basketball	Inter College	II
22.	Tripti Bisht	B.A. (P)	Volleyball	Inter College	Participation
23.	Tulika	B.Com. (H)	Basketball	Inter College	II

S. No	Game	Result (2014-15)	Level
1.	Ball Badminton	Team secured II Position with 12 team members	Inter College
2.	Baseball	Team secured II Position with 15 team members in Inter College Tournament.	Inter College
3.	Netball	Team secured II Position with 12 team members	Inter College
4.	Wrestling	Team secured III Position with 10 team members	Inter College
5.	Handball	Team secured IV Position with 12 team members	Inter College
6.	Taekwondo	1 Gold, 1 Silver & 1 Bronze Medal	Inter College

**Table 5.5: Achievements of 2013 – 14**

S. No.	Name	Course	Game	Level	Position
1.	Aanchal Singh	B.A (H) History	Athletic	Inter College	Participation
2.	Anjali Negi	B.Sc. (H)	Football	Inter College	Participation
3.	Bhargavi	B.Sc. (H) Physics	Taekwondo	Inter College	Participation
4.	Bharti Verma	B.A (H) Pol.Sc.	Badminton	International	Participation
5.	Bhumika Sharma	B.A (H) Pol.Sc.	Badminton	National	Participation

S. No.	Name	Course	Game	Level	Position
6.	C.Kaushalya	B.A(H) English	Kho Kho	Inter College	Participation
7.	Chanda	B.A. (H) Pol.Sc.	Wrestling	Inter College	I
8.	Chandra	B.A (H) Pol. Sc.	Baseball	University	I
9.	Jyoti Rawat	B.Sc. (H) Physics	Football	Inter College	Participation
10.	Komal Bhandari	B.A. (H) Pol. Sc.	Wrestling	Inter College	II
11.	Malvika Brar	B.Com. (H)	Netball	Inter College	II
12.	Pooja Khatri	B.A. (H) Pol. Sc.	Kho Kho	National	Participation
13.	Priyanka	B.A. (H) Pol.Sc.	Baseball	National	Participation
14.	Renu Panwar	B.A. (H)	Netball	Inter College	II
15.	Shagun Aswal	B.Com. (H)	Basketball	Inter College	Participation
16.	Shrishti Choudhary	B.A. (H)	Netball	National	II
17.	Srishti Daulta	B.Com. (H)	Korfball	Inter College	II
18.	Surbhi Choudhary	B.Sc. (H) Chemistry	Handball	University	II
19.	Surbhi Yadav	B.Com. (H)	Basketball	Inter College	Participation
20.	Swati Chodhary	B.Sc. (H) Chemistry	Judo	Inter College	Participation
21.	Swati Sharma	B.Sc. (H)	Judo	Inter College	Participation
22.	Tamanna Tyagi	B.Com. (H)	Badminton	National	Participation
23.	Tanu Sharma	B.Com. (H)	Badminton	National	Participation
24.	Tanya Dutta	B.A. (H) English	Basketball	Inter College	Participation
25.	Unnati Bhatt	B.Com. (H)	Handball	University	II
26.	Versha Thakur	B.A. (H) English	Handball	Inter College	II
27.	Yashasvi Khanna	B.Tech.(Com p. Sc.)	Kho kho	Inter College	Participation

S. No	GAME	RESULT (2013-14)	Level
1.	Ball Badminton	Team secured I Position with 12 team members	Inter College
2.	Baseball	Team secured I Position with 15 team members	Inter College
3.	Wrestling	Team secured II Position with 10 team members	Inter College
4.	Handball	Team secured III Position with 12 team members	Inter College
5.	Netball	Team secured III Position with 12 team members	Inter College
6.	Taekwondo	III Position out of 08 Teams with 1 Gold, 1 Silver & 1 Bronze Medal	Inter College
7.	Volleyball	Team secured III Position with 12 team members	Inter College

**Table 5.6: Achievements of 2012 – 13**

S. No.	Name	Sports	Course	Level	Position
1.	Amita Kumari	Taekwondo	B.A. (H) Economics	National	I
2.	Anshu	Athletics	B.Sc. (Zoology)	Inter College	II
3.	Harshita	Softball	B.A. (P)	National	Participation
4.	Jyoti Thakur	Boxing	B.Com. (P)	National	Participation
5.	Kanchan	Kho-Kho	B.A. (P)	Inter College	Participation
6.	Kashika	Volleyball	B.A. (H) Economics	Inter College	Participation
7.	Meera Bhist	Kho-Kho	B.A. (P)	Inter College	Participation
8.	Nisha	Basketball	B.Sc.	Inter College	Participation
9.	Pooja Madan	Athletics	B.Com. (H)	Inter College	Participation
10.	Pooja Pathak	Athletics	B.Com. (H)	Inter College	II
11.	Pooja Tokas	Boxing	B.Com. (P)	National	I
12.	Priyanka Bhagel	Softball	B.A. (P)	National	Participation
13.	Purni Maya	Handball	B.A. (P)	State	Participation
14.	Radhika Narula	Basketball	B.Com. (H)	University	II
15.	Sakshi Sabarwal	Basketball	B.A. (H) History	Inter College	Participation
16.	Sangeeta	Volleyball	B.A. (P)	Inter College	Participation
17.	Shilpi Gupta	Baseball	B.A. (P)	National	Participation
18.	Shruti	Netball	B.A. (P)	Inter College	II
19.	Shubham*	Baseball	B.A. (P)	International	Participation
20.	Simran Sharma	Athletics	B.A. (P)	Inter College	Participation
21.	Sukhmani	Tennis	B.Com. (P)	National	Participation
22.	Surbhi	Volleyball	B.Com. (H)	University	Participation
23.	Tamanna Puniya	Handball	B.Sc. (Phy. Sc.)	Inter College	Participation
24.	Yashi	Baseball	B.Com. (H)	Inter College	Participation

S. No	GAME	RESULT (2012-13)	Level
1.	Ball Badminton	Team secured I Position with 12 team member in Inter College Tournament	Inter College
2.	Baseball	Team secured I Position with 12 team member in Inter College Tournament	Inter College
3.	Handball	Team secured I Position with 12 team member in Inter College Tournament	Inter College
4.	Boxing	Team secured I Position with 10 team member in Inter College Tournament	Inter College
5.	Netball	Team secured II Position with 12 team member in Inter College Tournament	Inter College
6.	Softball	Team secured II Position with 15 team member in Inter College Tournament	Inter College
7.	Judo	III Position out of 10 teams with Individual Gold & Silver Medal	Inter College
8.	Volleyball	Team secured IV Position with 12 team member in Inter College Tournament	Inter College
9.	Taekwondo	Team secured IV Position with 12 team member in Inter College Tournament	Inter College

**Table 5.7: Achievements of 2012 – 11**

S. No	Name	Course	Game	Level	Position
1.	Deepika	B.A(P)	Handball	Inter College	Participation
2.	Jyoti Thakur	B.Com (P)	Boxing	National	Participation
3.	Kanchan	B.A (P)	Kho-Kho	Inter College	Participation
4.	Manisha Kaul	Bsc. (H) Zoology	Taekwondo	Inter College	Participation
5.	Meera Bhist	B.A. (P)	Kho-Kho	Inter College	Participation
6.	Nisha	B.Sc	Basketball	Inter College	Participation
7.	Pooja Madan	B.Com. (H)	Athletics	Inter College	Participation
8.	Pooja Pathak	B.Com. (H)	Athletics	Inter College	Participation
9.	Pooja Tokas	B.Com. (P)	Boxing	National	I
10.	Priyanka Bhagel	B.A. (P)	Softball	Inter College	II
11.	Priyanka Pundir*	B.A. (P)	Handball	International	Participation
12.	Purni Maya	B.A. (P)	Handball	Inter College	Participation
13.	Radhika Narula	B.Com. (H)	Basketball	University	Participation
14.	Rinku	B.Com. (P)	Athletics	Inter College	Participation
15.	Sakshi Sabarwal	B.A. (H) History	Basketball	Inter College	Participation
16.	Shruti	B.A. (P)	Netball	International	Participation
17.	Shubham*	B.A. (P)	Baseball	International	Participation
18.	Simran Sharma	B.A. (P)	Athletics	Inter College	Participation
19.	Tamanna Puniya	B.Sc. (Phy. Sc.)	Handball	Inter College	Participation
20.	Yashi	B.A. (H) Economics	Baseball	Inter College	Participation

**ACHIEVEMENTS IN EXTRA-CURRICULAR ACTIVITIES IN LAST FOUR YEARS**

**Table 5.8: Achievements of Abhivyakti, The Theatre Society**

Year	College / Institute in which participated	Achievement
2014 – 2015	Amity University, Noida	I Position
	National Institute of Immunology, JNU	II Position
	Zakhir Hussain College, DU	III Position
	Deshbandhu College, DU	Pooja Prasad (Best Actor)
	Deshbandhu College, DU	Best direction (Stage Team)
	Deshbandhu College, DU	Anisha Sarma (Best Costume)
	Kalindi College, DU	Pooja Prasad (Special mention – Actor)
	Amity University, Noida	Pooja Prasad (Special mention – Actor)
	National School of Drama	Participation (Street Performance)
	Sri Aurobindo College, DU	
	JIMS, IP University	
	Ateliers (prelims)	
	Amity University, Noida	
Deshbandhu College, DU		
Shaheed Bhagat Singh College (Eve), DU (Prelims)		

Year	College / Institute in which participated	Achievement
	Sri Ram College of Commerce, DU (Prelims)	Participation (Stage Performance)
	Kamala Nehru College, DU (Prelims)	
	Gargi College, DU (Prelims)	
	Jesus & Mary College, DU (Prelims)	
	National Institute of Immunology	
	Ambedkar University, IP	
	Kalindi College, DU	
	Ateliers (Prelims)	
	Delhi Technical University (Prelims)	
<b>2013 – 2014</b>	Sri Aurobindo College, DU	II Position
	National Law University, Delhi	III Position
	Street Play - Ab Toh Bol	The play was made in memory of <b>Nirbhaya in 2013</b> and was first performed at Jantar Mantar as part of campaign ' <b>Bekhauf Azadi</b> '. It was then performed throughout the year, specifically for the general public at places like Select Citywalk, Netaji Subhash Place etc.
	Oye Chup – Street Play	Performed at more than 10 events. Got 'Special mention' on various occasions.
<b>2012 – 2013</b>	Lady Irwin College, DU	II Position & Best Actor
	Jesus & Mary College, DU	II Position & Best Actor
	National Institute of Immunology	Best Actor
	Stage Play - Akka Amoli Anni (Revival)	The production won at <b>15 different fests and competitions in a span of 2 years</b>
	Stage Play – Bipolars	Delhi Ibsen Festival
	Stage Play - Piano Bikau Hai	Ateliers Campus Theatre
<b>2011 – 2012</b>	Stage Play - Akka Amoli Anni	The production won at <b>15 different fests and competitions in a span of 2 years</b>
	Hansraj College, DU	I Position
	Hindu College, DU	I Position
	SGTKB Khalsa College, DU	II Position
	IIT Delhi	II Position
	Guru Gobind Singh College, DU	II Position
	Miranda House, DU	II Position
	Kamla Nehru College, DU	Best Actor
	Antardhwani (DU Cultural Fest)	Qualified

**Table 5.9: Achievements of VISTA, The Photography Society in inter-college competitions (online)**

Year	College / Institute in which participated	Achievement
<b>2014 – 2015</b>	Campus Diaries	I Position
	Kirori Mal College, DU (Fine Arts & Photography Fest)	I Position
	Daulat Ram College, DU, Pol Sc Fest (Online Competition)	I (Ms Kashika)
	Maitreyi College, DU (Socio Fest)	I Position
	Shivaji College, DU (Online Competition)	II Position
	Maitreyi College, DU, Socio Fest (Online Competition)	II (Ms Pooja)
	Keshav Maha Vidhyalaya, DU, College Fest	II (Ms Simran)
	Khalsa College, DU, College Fest (Online Competition)	III Position
	Education Tree	Special mention
	Zakir Hussain College, DU (Online Competition)	Participation
	International Competetion (Black & White)	Participation
	Ramjas College, DU (Annual Photography Fest – Photohunt)	Participation
	IIT Kanpur (Online Competition)	Participation
	St. Xaviers, Jaipur, Annual Photography Fest	Participation
	DUPC (Online Competition)	Participation
	Lady Sri Ram College, DU (Media & Journalism Fest)	Participation
	Shivaji College, DU (Photography Fest)	Participation
	Lady Sri Ram College, DU (Environmental Society Fest)	Participation
	Kamla Nehru College, DU (Sociology Fest)	Participation
	Hansraj College, DU (Annual Fest: Battle of Societies)	Participation
Zakir Hussain College, DU (Annual fest)	Participation (Ms Aishwarya)	
IIT Delhi	Participation (Ms Prachi)	
Delhi College of Arts & Commerce, DU	Participation (Ms Prachi)	
<b>2013 – 2014</b>	Jesus & Mary College, DU (Sociology Fest)	I Position
	Daulat Ram College, DU (English Fest)	I Position
	Deshbandhu College, DU (online competition)	II Position
	Delhi Technological University (Online)	II Position
	NGO Desizn Circle (Photo Fest )	Selected in Finals
	Hindu College, DU (Photography Fest)	special mention
<b>2012 - 2013</b>	Miranda House, DU (Eco Fest 2012)	I Position (Shataakshi Verma)

Year	College / Institute in which participated	Achievement
	Ram Lal Anand College, DU (online competition)	II Position (Shataakshi Verma)
	Aishwarya Chopra	Picture displayed at Exhibition 2012 of Nature Wanderers
	Aishwarya Chopra	Picture displayed for sale at Exhibition for Utrakhand Relief Fund

**Table 5.10: Achievements of RIYAZ, The Indian Music Society in inter-college competitions**

Year	College / Institute in which participated	Achievement
2014 – 2015	Aspire (Usha & Laxmi Mittal Institute of Management Fest)	I Position (Antakshri)
	Acharaya Narain Dev College, DU	I Position (Group Singing)
	Ram Lal Anand College, DU	I Position (Light Indian Solo)
	Dyal Singh College, DU	I Position (Solo - Semi Classical) (Ms Many)
	Maharaja Agrasen College, DU	I Position (Group Singing)
	Aspire (Usha & Laxmi Mittal Institute of Management Fest)	II Position (Treasure Hunt)
	Ram Lal Anand College, DU	II Position (Duet)
	National Law University, Delhi	II Position (Solo Semi Classical) (Ms Many)
	Namyoho Studios (Online)	II Position (Solo Semi Classical) (Ms Many)
	Big Golden Voice (92.7 Big Fm)	II Position (Solo Semi Classical) (Ms Many)
	Maharaja Agrasen College, DU	II Position (Solo Semi Classical) (Ms Many)
	Maharaja Agrasen College, DU	III Position (Solo)
	Deshbandhu College, DU	III Position (Light Indian Solo)
	Acharaya Narain Dev College, DU	III Position (Light Indian Solo)
	PGDAV College, DU	III Position (Indian Semi-Classical)
	AIIMS, Delhi	III Position (Solo Semi Classical) (Ms Many)
	Dayal Singh (Eve) College, DU	Consolation Prize (Group)
	Aspire (Usha & Laxmi Mittal Institute of Management Fest)	Runner Up (Best Team)
	The Voice (Reality Show)	Shortlisted (Solo Semi Classical) (Ms Many)
	Annual Chand Khan Festival	Participation (Ms Many)
National Law University, Delhi	Participation (Semi	



Year	College / Institute in which participated	Achievement
		Classical – Group)
	PGDAV College, DU	Participation (Semi Classical – Group)
	Sri Venkateshwara College, DU	Participation (Semi Classical – Group)
	IIT Delhi	Participation (Semi Classical – Group)
	Dayal Singh College, DU	Participation (Semi Classical – Group)
<b>2013 – 2014</b>	Delhi University Cultural Fest (Antardhwani)	I Position (Group Singing)
	Indian International Centre	I Position (Group Singing)
	Institute of Home Economics	I Position (Semi-classical Solo)
	Indian International Centre	Best Team Trophy
	Maitreyi College's Annual Fest (Rhapsody)	II Position (Classical Group Singing)
	Maitreyi College's Annual Fest (Rhapsody)	II Position (Light Indian Solo)
	Maitreyi College's Annual Fest (Rhapsody)	II Position (Carnatic Solo)
	Daulat Ram College, DU	II Position (Semi-classical Solo)
	P.G.D.A.V College, DU	II Position (Light Indian Solo)
Jesus & Mary College, DU	III Position (Semi-Classical Solo)	
<b>2011 - 2012</b>	Dayal Singh College (Eve), DU, Annual Fest (Rajnidgandha)	Best Team's Trophy
	Maitreyi College's Annual Fest (Rhapsody)	I Position (Classical Group Singing)
	Dayal Singh College (Eve), DU, Annual Fest (Rajnidgandha)	II Position (Antakshri)
	Dayal Singh College (Eve), DU, Annual Fest (Rajnidgandha)	II Position (Light Indian Solo)
	Kamala Nehru College's Annual Fest (Ullas)	II Position (Classical Group Song)
	Dayal Singh College (Eve), DU, Annual Fest (Rajnidgandha)	III Position (Classical Group Song)

**Table 5.11: Achievements of Zeal, The Western Dance Society in inter-college competitions**

Year	College / Institute in which participated	Achievement
<b>2013 – 2014</b>	Satyawati College, DU	I Position
	Bharti College, DU	I Position
	Keshav Mahavidyalaya, DU	I Position
	IIM, Ahemdabad	II Position
	Khalsa College, DU	II Position

Year	College / Institute in which participated	Achievement
	Delhi Technical University, Delhi	III Position
2012 – 2013	LSR College, DU	I Position
	Hansraj College, DU	I Position
	Sri Ram College of Commerce, DU	I Position
	Indra Prastha College, DU	I Position
	Kirori Mal College, DU	I Position
	Ramjas College, DU	I Position
	Nokia India fest, Channel V	I Position
	Faculty of Management Studies, DU	I Position
	Indian School of Business & Finance	I Position
	Lady Sri Ram College, DU	I Position
	St Stephens College, DU	I Position
	College of Vocational Studies, DU	II Position
	Sri Guru Gobind Singh College of Commerce College, DU	II Position
	Gargi College, DU	II Position
	Shaheed Bhagat singh College, DU	II Position
	Faculty of Law College, DU	II Position
Jesus & Mary College, DU	II Position	
2011 – 2012	AIIMS, Delhi	III Position
	Indian School of Business & Finance	I Position
	Amity University, Noida	II Position
	Bhartiya Vidya Peeth	I Position
	Delhi Dance Fever	I Runner Up
	Sri Guru Gobind Singh College of Commerce College, DU	I Position
	Keshav Maha Vidyalaya College, DU	I Position
	Lady Sri Ram College, DU	II Position
	Hansraj College, DU	I Position
	Gargi College, DU	III Position
	Deen Dayal Upadhaya College, DU	I Position
	Miranda House, DU	I Position
	Sri Guru Gobind Singh College, DU (Udaan)	I Position
	Daulat Ram College, DU	I Position
	Maharaja Agrasen College, DU	I Position
	Sri Ram College of Commerce, DU	II Position

**Table 5.12: Achievements of Galore, The Fashion Society in inter-college competitions**

Year	College / Institute in which participated	Achievement
2014 – 2015	Novice Festival	I Position
	IMI	I Position
	IIFT	I Position
	Delhi School of Business	I Position
	Delhi College of Arts & Commerce, DU	I Position
	Shivaji College, DU	I Position
	Deccan Herald Metrolife Fashion Show	I Position

	NIIT	II Position
	IILM, Lodhi road	II Position (Corporate Walk)
	Daulat Ram College, DU (Eco Fest)	II Position (Best Concept Award)
	AIIMS, PULSE 2014	III Position
	ITM, Gurgaon	III Position

**5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?**

The college seeks feedback from students through informal talk for improving the support services *refer 3.6.3*.

**5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.**

The students are involved in the publication of the college magazine and Departmental Newsletter every year. The cover page of the magazine is always designed by the students. The students organize various events like fresher's day, inter-college cultural festival Rhapsody, the inter and intra- departmental activities, throughout the session. The development and designing of catalogs, posters, invitations etc. for all the events are managed by the students. The students also maintain their departmental notice boards / wall magazine with latest updates.

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

The college students' union is an elected body. The following are its Office bearers:-

1. President
2. Vice president
3. Secretary
4. Treasurer
5. Cultural secretary (co-opted).

The Students' Union organizes various functions / events throughout the year e.g. Freshers' Day, Independence Day, Annual cultural Festival 'Rhapsody' etc. Faculty members as Students' Union Advisors monitor the activities of the Students' Union. The funding of the activities is the component (Cultural Function Fund) of the fees structure. Students also arrange sponsorship to augment this fund.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

Each department in the college has its own departmental society which organizes departmental intra- and inter- college academic activities such as quiz competitions, debate, fun-in-lab, creative writing etc. These societies are managed by the students of the department under the guidance of departmental faculty.

The students also have their representatives in

1. Students' Union
2. Anti-ragging committee
3. Grievance Redressal Cell
4. Sexual Harassment Cell
5. Placement Cell
6. All Cultural Societies

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.**

The college seeks feedback from industry and alumni through invited talks and discussions.

## **CRITERION VI**

# **GOVERNANCE, LEADERSHIP AND MANAGEMENT**

## **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

#### **6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?**

The key essence of the mission and vision of the college is encapsulated in the following statements:

**Mission:** To transform the College into a 'Knowledge Centre'.

**Vision:** To be a premier and preferred institution providing education for nurturing all-round excellence in women. The endeavour is to weave a fine blend of the best of tradition and modernity into the fabric of our education system.

The college has certain well defined objectives, which are as follows:

- To impart quality education to women.
- To enable them to become good entrepreneurs, leaders, homemakers and educators.
- To prepare students to be responsible citizens in a dynamic and contemporary society.
- To train and inspire the students to develop a critical mind.
- To make students globally compatible.

Distinct measures have been taken to ensure that these are achieved.

#### **6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?**

Adoption of collaborative approach has taken Maitreyi College to greater heights bringing home a distinct recognition as a premier academic institute. As part of such a collaborative approach:

- The Principal in coordination with the staff designs the quality policy and plan which is duly endorsed by the Governing Body for its implementation.
- There is provision for the staff to upgrade their skill and knowledge at the following levels:
  - For the furtherance of its teaching pursuits, the faculty is encouraged to participate in various activities like attending seminars, conferences, workshops, orientation and refresher courses etc., for which leave and other facilities as required are rendered.
  - Similar support and encouragement is provided to the non-teaching (office, library and laboratory) staff in their efforts of skill enhancement.

- Various Staff Council Committees are constituted under the dynamic leadership of the Principal. These function to ensure the qualitative accomplishment of the objectives of the institute. Recommendations of these committees play a key role in all decisions taken for the benefit of the stakeholders.
- The various departments submit their Departmental Annual Activity Reports which are then compiled into the Annual Report.

### 6.1.3 What is the involvement of the leadership in ensuring:

- **The policy statements and action plans for fulfillment of the stated mission**
- **Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**

The following structure is adopted to pursue the above stated goals:

- Every teacher is a member of a minimum of two Staff Council Committees.
- These committees plan the activities for the year based on the objectives defined by the college. This ensures effective execution of the action plan with the help of stakeholders.
- The committee meetings are held on a regular basis in addition to those where discussions on emergent issues are required. The reports of the committees are placed in these meetings and various concerns are discussed to enhance the efficiency.
- Recommendations of the committees are evaluated by the Principal for implementation.
- Some of the recommendations of the Staff Council (such as new courses, fee revision, infrastructural changes etc.) are placed before the GB for approval.
- A calendar of college activities, consistent with the University calendar, is finalized at the beginning of the session.
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

The following efforts have been made in this direction:

- Facilities, programmes and policies, outlining the objectives of the institution are communicated through an 'Orientation Programme' which is organized for the newly admitted students at the beginning of each academic session. Teachers-in-charge of all departments, conveners of various committees interact with the students and apprise them of the schedule of activities. Involvement of parents in monitoring the progress of their ward is encouraged. Further, the college utilizes every opportunity to invite the parents to specific functions and other interactions so that they are aware of the college activities that contribute to the all-round development of

their ward.

- Grievances and constructive suggestions from stakeholders are addressed by the office of the Principal and directed for appropriate action. Suggestions from stakeholders (elected student representatives and others) taken formally and informally are also given substantial importance in the formulation of the action plan. The interactive session and one-on-one meetings with the stakeholders help the college to remain compatible with the needs of society and ensure that all future activities are as per the mission and vision of the college.
- The college believes in following a policy of reviewing itself periodically and incorporating modifications, so as to keep pace with the changing trends in higher education and global and societal needs. Such reviews have led to acquiring state of the art facilities as per global educational standards. Some of these include the use of ICT in teaching, well equipped laboratories, easily accessible library resources and facilitated connectivity across borders (VLE – DU, NKN). This helps the college in reinforcing the culture of excellence and improving it through organizational interventions.
- The students of the college have always been at the forefront in the arena of sports and culture. Pursuit of excellence is the key for inculcation of a similar culture among students. Students excelling in academics, sports and extra-curricular activities are duly rewarded to sustain their enthusiasm.
- Besides this, the college is dedicated to the cause of sensitizing the students on social issues. The activities in this area (both within and outside the campus) have been instrumental in bringing about a considerable change.
- The college strives towards environmental upkeep by adopting multi-pronged strategies.

#### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

The college adopts several procedures to monitor and evaluate policies and plans for effective implementation and improvement. Some of these are highlighted below:

##### **Administration:**

- It is of utmost importance to abide by the rules outlined by the funding agencies viz. UGC, Government of NCT of Delhi and DU. To accomplish this, regular monitoring by auditors is carried out. This ensures timely submission of Utilization Certificate, thus facilitating the continuation of grant.
- The information about notices (filling of vacancies, purchase of new equipment etc.) is uploaded on the college website in compliance with the rules specified for academic institutions.
- The non-teaching staff is fully motivated to achieve the goal of



excellence. They therefore periodically undertake courses to run the office effectively.

- Regular meetings with the Principal and conveners of the Staff Council Committees help to ascertain the loopholes. This information is then utilized for identifying the areas requiring urgent attention. Thus, the success of policy implementation is duly ensured.

#### **Students and Teachers:**

- Drafting of timetable and adhering to it for optimum utilization of resources.
- Systematic functioning of departments under individual Teachers-in-Charge (TIC) to ensure timely completion of course content.
- Monitoring the progress of the students by way of regularity in attendance, performance in class tests, assignments and presentations. The same is also monitored for the compilation of internal assessment marks as per the University requirements.
- A Moderation Committee constituted as per the University guidelines assesses the results for further improvement.
- Feedback from students is obtained so as to improve the implementation efficacy.
- Review meetings are held at both the departmental as well as the college level to ascertain if the policies are being implemented effectively or modification are needed in order to maximize their outcome.

#### **6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

The details include:

- The Governing Body has eminent scholars and personalities from different fields who share their expertise and knowledge with the staff to guide as well as encourage them.
- The GB and the Principal encourage academic leadership in the faculty. The faculty is free to work in any Staff Council Committee as convener, coordinator or member.
- Various academic events organized by the college have faculty as members of the organizing committees.
- TICs of the departments have the freedom to plan the activities (academic and co-curricular).
- Teachers can work for or become members of various academic bodies in the University or other government / non-government organizations.
- Each faculty member is assigned multiple academic responsibilities so that the individual grows with the institution.
- Financial assistance from other funding agencies like UGC, DU, Department of Biotechnology, Government of NCT of Delhi etc. is facilitated for minor and major research projects, to conduct seminars and conferences and other allied activities.

- The Vice Principal and Bursar are appointed by rotation from the faculty on the basis of seniority. The Staff Council elects the Secretary and appoints conveners of various committees.

#### **6.1.6 How does the college groom leadership at various levels?**

Leadership grooming has been undertaken by the college at the following levels:

##### **Teaching staff:**

A good number of faculty members have been groomed through their participation in different committees as conveners, working as the departmental TIC and Vice Principal of the college. The faculty members who have been appointed as Principals/OSD/various positions of responsibility in DU and its constituent colleges include:

1. Dr Savita Datta
2. Dr Shashi Kumar
3. Dr Bharti Sarkar
4. Dr Meera Ramchandran
5. Dr Premlata
6. Dr Vijay Laxmi Pandit
7. Dr Veena Mishra
8. Dr Rama Sisodia

##### **Students:**

The students who are members of various committees, are responsible for organizing academic and co-curricular activities. As members of these committees, they develop leadership qualities, financial management, organizational and communication skills. They also engage in teamwork for effective execution.

#### **6.1.7 How does the college delegate authority and provide operational autonomy to the departments/units of the institution and work towards decentralized governance system?**

**And**

#### **6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.**

The key points include:

- Every department has a TIC, appointed by rotation in order of seniority for a year. The TIC along with other faculty members is responsible for organizing and planning all departmental activities. These include admission, time table, purchase of books and equipment. Departmental Stock verification is carried out by the incoming and outgoing TICs.
- The functioning of the college (admission, time-table, finance, work load, placement, grievance, free-ship etc.) is through Staff Council Committees. Each committee has a teacher convener / coordinator.
- A democratic system of decision making is followed in the functioning of the college. Each faculty member opts for at least two Staff Council Committees. The convener and committee

members are allowed to take decisions which are placed before the Staff Council for approval.

- All co-curricular and sports activities and events are planned and executed by the respective Staff Council Committees within the allocated budget.
- The examination work is looked into by two faculty members who are deputed as Deputy-Superintendents for a period of one year, according to seniority. They are assisted by the next two members in order of seniority, who get acquainted with the work during this period.
- The Internal Provident Fund Committee has an elected faculty member.
- Few important committees (Provident Fund, Purchase, Finance, Building etc.) also include administrative staff as its members.
- To address all RTI enquiries on behalf of the college, a Public Information Officer is appointed from amongst the teaching faculty and the Principal is the First Appellate Authority.
- Interests and facilities for the differently abled students and staff are looked after by the Coordinator, Equal Opportunity Cell (EOC), who closely coordinates with the EOC of the University.
- The Student Union, which is the elected representative body of the students and the departmental and cultural societies also play an important role in various decision making processes of the college.

## **6.2 Strategy Development and Deployment**

### **6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?**

The guidelines from the University of Delhi and UGC are utilized for framing the quality policy of the college. The overall quality is monitored and managed at various levels:

- All TICs of the departments discuss the results in the meetings of individual departments with the Principal. Corrective measures are then incorporated and implemented.
- Academic committees (Admission, Workload, Timetable etc.) control and monitor the various related requirements.
- Development Committee and Building Maintenance Committee monitor the upkeep and maintenance of the building. They facilitate repairs and replacements in the building as and when required.
- Student Advisory Committee and Discipline Committee scrutinize student activities and maintain discipline.
- Other Staff Council Committees also regulate the quality of functioning in their respective areas.
- Internal Quality Assurance Cell (IQAC) constituted in April 2015 works for quality monitoring and enhancement through concerted efforts of its members and the management. The IQAC consists of the Principal, Vice Principal and faculty members.

**6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.**

The college has a perspective plan of development. This plan has been reviewed as per the needs of learners and is in keeping with the higher education policies of the nation. The aspects included in the plan are:

- National / International workshops.
- Need for strengthening core/traditional subjects.
- Automation of museum in Botany department and digitization of specimens and slides.
- Promote extensive use of ICT in all academic and administrative transactions.
- Formalize policies for in-house or collaborative research for effective implementation.
- Upgrading the physical infrastructure in terms of water resources, power supply and modifications/ repairs. Maintenance of laboratory working tables and storage facilities in the laboratories for students.
- Strengthening the Science laboratories through purchase of new equipment and ICT facilities.
- State of the art new Science block.
- Collaborating with NGOs for adoption of school, plantation drives etc.
- MOU's with foreign colleges and Universities.
- Automation of library services and digitization of old manuscripts.
- Deployment of solar powered electricity supply to reduce the dependence on mains grid.
- Awareness campaigns for zero waste campus model, e-waste management, energy and safety audits and addressing gender issues.

**6.2.3 Describe the internal organizational structure and decision making processes.**

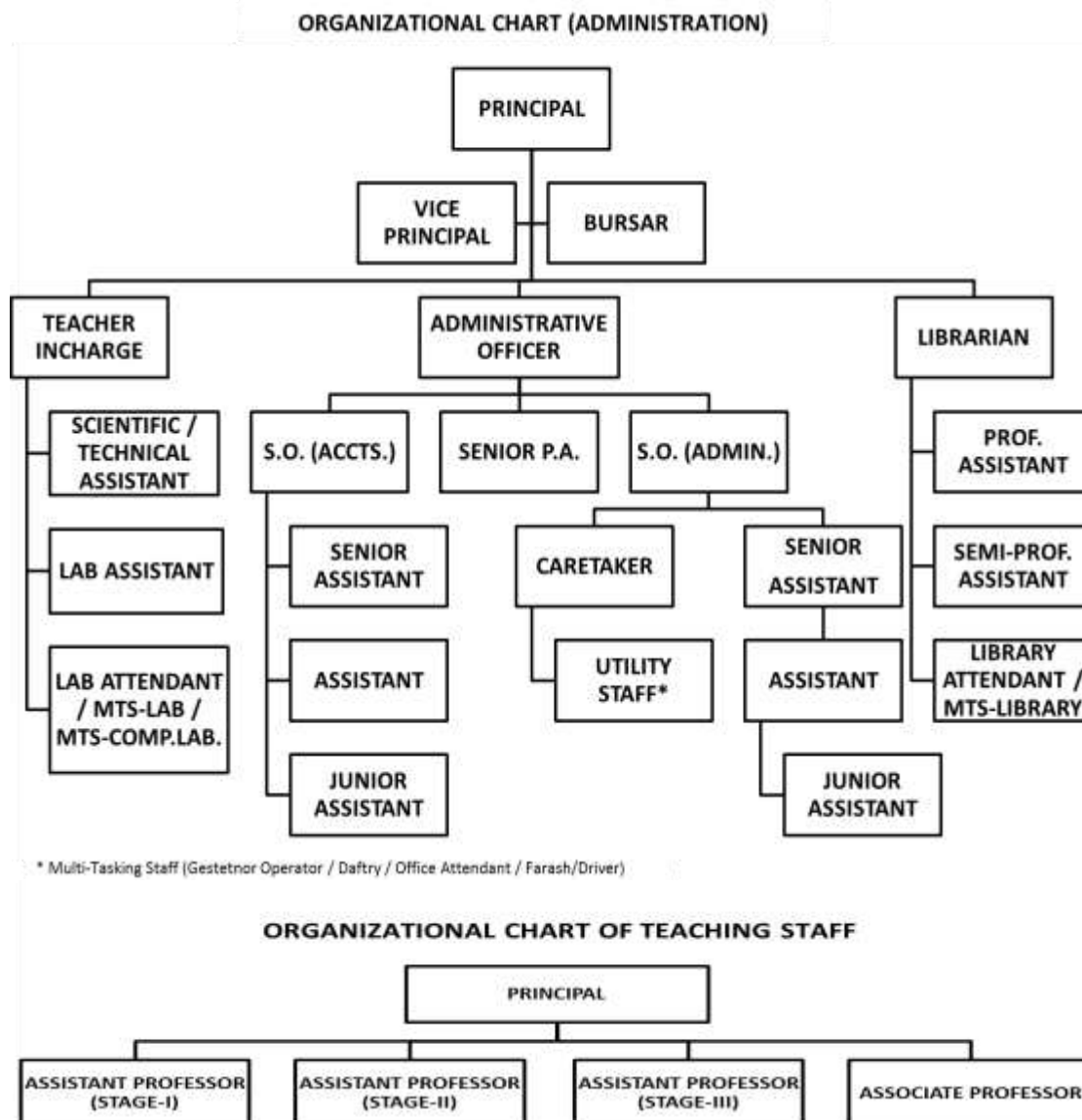
Maitreyi is a constituent college of the University of Delhi with 95 % funding from UGC and 5% from the Government of NCT of Delhi. The GB is responsible for the management and on recommendations of the Principal frames policies and guidelines in line with the 'College Governance, 1986'. The Governing Body has 16 members in all:

- Five members nominated by the Government of NCT of Delhi
- Five members nominated by the University of Delhi
- Two University Representatives
- Two Teacher Representatives
- One Special Invitee from Non-teaching Staff and
- Principal as Member Secretary.

The Principal who is the Head of the college is also the ex-officio Chairperson of the Staff Council. She is responsible for the overall

administration and organization of teaching, co-curricular and extra-curricular activities in the college and implementation of the decisions of the GB.

The internal organizational structure of the teaching and administrative staff is given below:



#### 6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

##### ➤ Teaching & Learning

- To enhance the teaching-learning experience, teaching aids like computers, smart boards etc. are used.
- Teaching skills are upgraded by way of regular orientation courses and refresher courses, academic seminars, workshops

etc.

- A well-equipped library, having subject specific collection of texts and reference books, journals, magazines etc. is maintained and regularly updated. The college is a proud member of INFLIBNET.
- A Wi-Fi campus has helped to support the cyber lab facility for larger number of stakeholders.
- Enhance spoken English and Technical writing etc. by way of setting up a Language Lab.
- To start add-on courses in foreign languages to facilitate international collaboration.

#### ➤ **Research & Development**

Several initiatives have given a boost to the component of research by the faculty:

- They have undertaken innovation projects successfully and have also contributed publications/ patents out of the research findings therein.
- Financial grant from the Department of Biotechnology, Government of India under 'Star College Scheme' has been utilized for the upgradation of Life Science teaching at undergraduate level. The efforts have been rewarded by recognition of four of the Science departments as Star Departments. After the grant of Star status, the financial grant has been extended for another two years.
- The college encourages research and facilitates sanctioning of study leave. Many teachers have obtained Ph. D. degree during their teaching tenure.
- Interactions with eminent speakers and researchers are organized regularly.
- The faculty is encouraged to attend conferences and seminars and is provided assistance, if required.
- Visits to research labs and institutes are organized for exposure to new and current areas of research.
- The college is presently working towards establishing a Reading Club, Research / Consultancy Cell, Faculty Study Circle (forum to discuss research activities) and finally start an inter-disciplinary research journal in future.

#### ➤ **Community Engagement**

- Community engagement is ensured by the college through awareness programmes, various campaigns, cultural festivals, NSS and NCC programmes, activities of Eco Club and Women Development Cell etc.
- Every year new students associate with these committees or bodies and interact with the community at large. For examples of community engagement activities *refer 3.4*.

#### ➤ **Human Resource Management**

Curricular and co-curricular activities are structured in alignment with human resource management. The college undertakes the following activities in this direction:

- Organizing workshops on leadership development, soft skill development, stress management and quality enhancement on a regular basis.
- Awareness programmes are conducted for sensitization on social issues.
- Skill enhancement is carried out through training undertaken on the latest developments which are required for teaching, administration and other professional commitments.
- The ‘Career Counseling and Placement Cell’ of the college works towards enhancing the communication and soft skills among students. It provides a useful forum for employment opportunities at the national and international levels.
- Workshop on ‘Lab Safety Skills’ are conducted for the lab staff.
- Students are exposed to entrepreneur and managerial skills through Student Union activities.

#### ➤ **Industry interaction**

To bridge the gap between theoretical knowledge and its practical application, it is prudent to provide the students with an experience of interaction with industry and agency. The action taken is as follows:

- Placement Cell facilitates the interaction with industry through various pre-placement talks delivered for the purpose by the industry/agency.
- Visits to industry and institutes are regularly undertaken for practical experience.
- Internships are arranged during vacations for additional experience.
- Workshop on ‘Soft Skills and CV building’ and ‘Career Counseling Day’ etc. has been organized during the current session.

#### **6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?**

- Governing Body and Staff Council meetings are held regularly to disseminate information to the stakeholders.
- Annual Report which has the record of important achievements of the stakeholders is compiled every year.
- The college prospectus is designed to provide information (fees structure, courses, rules, faculty credentials, extra facilities on the campus etc.) required while seeking admission to the college.
- The college website and notice boards are employed as tools for



dissemination of important notifications.

- Suggestion boxes are installed at strategic locations. These help the Head of the institution to assess the scope of improvement in future endeavours.

**6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?**

The Governing Body allows autonomy to the staff members for taking initiatives in improving the efficiency of institutional processes. Opinions are sought and taken into account whenever a decision is made, thereby ensuring that every staff member feels that he/she is a part of the institutional process. It is ensured that space and opportunities are available to the staff for undertaking such initiatives. Incentivizing achievers for excellence is an approach adopted for teaching and non-teaching staff as well as students. The '*Sita Srivastava Award*' of Rs 11,000/- is awarded every year to an all-rounder student. This award has been instituted by the family of our ex-Principal Late Dr Sita Srivastava.

**6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.**

Five Governing Body meetings have been held between April 1, 2014 and March 31, 2015. Various resolutions discussed in the Staff Council are confirmed in the GB before implementation.

Routine matters such as appointment of teachers and non-teaching staff on permanent basis, infrastructure development, NAAC Accreditation were discussed and recommendations were implemented.

**6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?**

We are a constituent college of the University of Delhi and autonomous status is not accorded to its constituent colleges.

**6.2.9 How does the Institution ensure that grievances /complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?**

The college shows concern towards grievances and their effective resolution. Different committees have been setup to address specific grievances.

- The 'Grievance Redressal Committee' addresses the complaints and grievances of the students. The contact numbers of the members of this committee are available on the college website, notice boards and in



the college prospectus. Dealings and discussions are undertaken at appropriate levels and corrective measures are employed. Minor complaints are addressed promptly.

- Anti-Ragging and Sexual Harassment Cells ensure and undertake preventive measures and provide help and assistance to students as and when required.
- Welfare of SC/ST/OBC stakeholders is secured by the Nodal Officer as per the guidelines of Government of India.
- Governing Body and Staff Council take cognizance of any other related matter.

**6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?**

The status of the court cases filed in the last four years is:

S. No.	Title of writ petition	Present status
01	Sh. O.K. Yadav vs. University of Delhi & Others (1482/2014)	Listed for hearing on 19.08.15 and pending for completion of pleadings by the parties to the writ petition.
02	SC / ST / OBC Association vs. University of Delhi & others (803/14)	Adjourned to 02.12.2015 for hearing arguments on the maintainability of writ petition.
03	Mrs. Renu Khaneja vs. University of Delhi (2011 of 2014)	Petition allowed in favour of applicant.
04	University of Delhi vs. Renu Khaneja & Others (628 of 2014)	Listed for hearing on 09.10.2015 for final arguments.
05	Ms. Satish Kumari Vs. UGC & others (5752 of 2003)	Writ petition finally disposed off vide Hon'ble High Court of Delhi order dated March 2, 2015.

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?**

Presently, feedback in the form of complaints and suggestions is taken from the students through Suggestion and Complaint Boxes placed at strategic locations (library, canteen etc.) in the college. The informal feedback is also duly analyzed and necessary measures are taken. However, with the formation of the IQAC, a feedback mechanism is being formalized to assess the institutional performance.

### **6.3 Faculty Empowerment Strategies**

#### **6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non-teaching staff?**

The college endeavours to enhance the professional skills of the staff. The measures taken in this direction include:

- Organization of training programmes in the college with the help of DU and UGC.
- The teachers can avail leave for higher studies or to attend conferences etc.
- The college facilitates financial support for teachers to attend workshops and conferences.
- The staff is motivated to attend the training programmes conducted at various institutes or laboratories and to attend refresher or orientation courses.
- The lab staff is encouraged to attend training courses at USIC every year.
- The administrative staff is motivated to upgrade their skills regularly.

#### **6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?**

The following strategies are adopted by the institution for faculty empowerment:

- Generating research environment in the college by encouraging publication of research papers and literary works.
- Arranging e-learning programmes.
- Environment for advanced learning is provided by purchasing new books, journals and e-resources.
- Talk shows and lectures by eminent scholars are organized in order to facilitate interaction with the faculty and students.
- Latest infrastructure such as smart boards, projectors, computers and software is provided for enhanced support towards education.
- Timely promotions are given as per the rules and guidelines laid down by UGC.

#### **6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.**

All Performance Appraisal Systems (PAS) are mandatory and are useful at the time of promotion and also in improving the standard of working of the college. PAS is for promotional purposes. It is not routine for the management to assess self-appraisals unless there is evident disagreement in the claims of the applicants. All observations are communicated informally.

The performance appraisal is conducted for:

- **Teaching staff:** All promotions are subject to the rules, regulations and schemes of the University of Delhi. The service book of every faculty member carries all relevant records that enumerate the overall progress of the individual as well as all the significant contributions made in both academic and administrative fields. The self-appraisal reports that are submitted by the concerned faculty members, give an opportunity to each teacher to present their case in an effective manner.
- **Non-Teaching staff:** Performance appraisal of the non-teaching staff is done once every financial year and is based upon marking system and APAR scheme as notified by the Government of India. To ensure that the information on multiple activities is appropriately captured, the APAR is processed at two stages. The first stage is at the level of Reporting Officer who assigns the marks as per productivity and behavior of the staff, and the second is at the level of the Reviewing Officer who again assesses the marking given by the Reporting officer. The performance reports of the laboratory attendants are filled by their superiors and those of the technical assistants are filled by the TIC of the concerned department. The data is maintained and evaluated regularly.

#### **6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

In case of the non-teaching staff, the outcome of review by management can change the making of the appraisal reports and as such no major decision taken was reported.

All appropriate stake holders are required to sign the APAR so that they may update themselves for their grading. Any adverse entry is required to be reported to the affected employees for proper representation.

#### **6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

**Table 6.1** gives the various welfare schemes and facilities made available to the teaching and non-teaching staff of the college and the percentage of staff that have availed the benefit of such schemes.

Table 6.1

Welfare Scheme	Percentage of staff availing the welfare schemes							
	2014 –15		2013 –14		2012 –13		2011 –12	
	Teaching	Non-Teaching	Teaching	Non-Teaching	Teaching	Non-Teaching	Teaching	Non-Teaching
CCL	11	7	10	3	13	5	16	2
Maternity	2	--	3	1	03	--	1	1
Paternity	--	3	1	1	--	--	--	2
Re-imbursement of medical expenses	42	73	46	78	48	68	43	62
Medical Leave	5	3	4	--	05	--	4	--
EOL	--	--	--	--	--	--	1	--
LTC / HTC	16	30	17	11	18	44	16	14
GPF	49	77	55	80	62	79	64	81
CPF	5	-	10	-	10	-	9	-
GIS	100	-	100	-	97	-	93	-
Ward Education Allowance	12	41	17	42	9	32	14	37
Washing & Uniform Allowance	--	53	--	53	--	44	--	51
Car / Scooter / Laptop loan	--	3	--	4	--	01	--	1

Besides these,

- Duty leave for training or workshop is granted.
- Health Camps are organized every year.
- A part time Medical Officer is available to take care of any emergency. A Medical Room has all necessary first aid facility.
- A Credit and Thrift Society for the teaching and non-teaching staff serves to take care of financial needs.

### 6.3.6 What are the measures taken by the Institution for attracting and

### **retaining eminent faculty?**

A friendly, congenial and healthy working environment is helpful not only in retaining existing faculty but also in attracting new talent. The stakeholders are incentivized for their achievements. The Principal sends nominations for ‘Awards for Excellence in Teaching’ and encourages participation in activities which lead to professional growth and development. This works as a motivation and keeps the passion alive in individuals for long.

## **6.4 Financial Management and Resource Mobilization**

### **6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

There is a well formulated financial and infrastructural development policy. The institution has a regular system of annual budgeting and auditing of its accounts. One of the key attributes of budgeting is that it clearly links planning and budgeting. The steps taken are as below:

- In order to monitor the effective and efficient use of the available financial resources, at the beginning of every academic session the college seeks the requirement of purchase from its various departments, library, computer laboratories and others.
- The requisitions are discussed with the Purchase Committee and the matter is referred to the Governing Body wherever necessary. The college Purchase Committee facilitates the purchases and strictly follows the General Financial Rules of the Government of India.
- Income/Expenditure is closely monitored by the Bursar and Section Officer (Accounts).
- The Purchase Committee ensures that proper procedure is adopted for all purchases. Quotations are invited and prices are compared before finalizing any order.
- All payments are processed through the Accounts department and approved by the Bursar and the Principal, as per the budget allocation.
- Auditing is done by internal as well as external bodies. The external audit is conducted by Directorate of Audit, Examiner Local Fund Accounts (ELFA), Government of NCT of Delhi, following the prescribed processes. The audit objections and compliances are addressed by the Accounts department and approved by the GB.

### **6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

- Internal audit is done annually by statutory auditors and a chartered accountant, which is placed before and approved by GB of the college. It is subsequently approved by the University of Delhi and UGC.

- The external audit is conducted by Directorate of Audit, Examiner Local Fund Accounts (ELFA) and Government of NCT of Delhi.
- The last Internal/External audit was done for the financial year 2013-2014. There were no major objections raised by the auditors.

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.**

The college is 95 % funded by UGC and 5 % funded by the Government of NCT of Delhi. It also gets grant in the form of computers and instruments for laboratories, LCD projectors for classrooms, laptops for students and teachers from the University of Delhi.

The audited income and expenditure statements of academic and administrative activities of the previous four years are appended at the end of the report (**Page No. 360-375**).

**6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

Apart from receiving grant from UGC under General Development Scheme and Merged Scheme during XI and XII plan, the institution explores alternative sources of additional funding. The following are some of the efforts to secure additional sources of income:

- Grant for starting Short-Term Courses
- Grant for PG Diploma in Nanotechnology
- Grant through Innovation Projects
- Grant from DBT under Star College Scheme
- By collecting funds from the teaching faculty for freeships

**6.5 Internal Quality Assurance System (IQAS)**

**6.5.1 Internal Quality Assurance Cell (IQAC)**

- a. Has the institution established an Internal Quality Assurance Cell(IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**
- b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?**
- c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**
- d. How do students and alumni contribute to the effective functioning of the IQAC?**
- e. How does the IQAC communicate and engage staff from different constituents of the institution?**

The institution has recently constituted the IQAC, which will start functioning post accreditation. The guidelines are being formulated informally to keep a check on quality parameters in academics and related activities. Analysis of feedback from different stakeholders will form an integral part of the strategy.

**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalisation.**

The college has a framework for quality assurance in all integrated academic and administrative activities as mentioned in 6.2.1. The Staff Council Committees manage all the activities of the college. These committees maintain a qualitative check for efficient monitoring, implementation and qualitative control.

Internal assessment with a credit weightage of 25% is done continuously through tests, assignments and projects by teachers as a part of summative assessment. Each student verifies and signs the compiled individual record which is then displayed on the college website and notice boards. Any discrepancy is addressed before the result is sent to the University for final compilation. A Moderation Committee is in place for quality assurance in college.

The administrative staff maintains operational quality check through regular performance appraisal reports.

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.**

The college encourages

- Teaching faculty to undertake refresher and orientation courses, which help them to upgrade and update their knowledge for the new course curricula.
- The staff for upgradation of the academic skills through ICT trainings.
- Training for the laboratory staff is also organized by University competent authorities (USIC, DUCC etc.)
- Training the staff in safety skills by agencies like CISF and NDRF.

**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?**

The college ensures uploading of monthly attendance on the college website for transparency in evaluation. The internal assessment compiled at the end of each semester is verified by each student. The final assessment sheets submitted by the departments are reviewed by the Assessment Monitoring Committee before being sent to the University.



**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

Guidelines of the parent University and UGC are being followed and these are in line with the National Education Policy.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

The following measures are undertaken to continuously review the teaching learning process:

- Students' attendance in every subject taught is regularly monitored and uploaded.
- Under the continuous evaluation system, all components of the internal assessment marks of the students are displayed on the college website.
- The result of each department is discussed and analyzed in detail in a meeting of the department with the Principal to identify the weak areas and take corrective actions.
- The summary of results of each department for every semester is presented in the Staff Council. The suggestions of the Staff Council in this connection are implemented in the college.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The policies are communicated in several ways to the internal stakeholders in the following ways:

- The college publishes an annual prospectus which contains updated information about the college.
- The Annual Report of the college includes detailed information about significant achievements in academics, sports, co-curricular and extracurricular activities.
- The college website is updated with all relevant information about current and prospective plans and events.
- The multiple notice boards within the college premises are used to display and communicate important information to students and teachers.
- Circulars and notices form a regular communication channel for the college.



## **CRITERION VII**

### **INNOVATION AND BEST PRACTICES**

## CRITERIA VII: INNOVATION AND BEST PRACTICES

### 7.1 Environment Consciousness

Maitreyi College strives to create and preserve a peaceful, clean and natural environment for the students and staff. We strongly believe that raising environmental consciousness is crucial for the country to have responsible and proactive citizens, so that they make choices that help the environment rather than harm it. At Maitreyi, we believe that integrating environmental education into the pedagogical practices is the best way to sensitize individuals about environmental issues.

#### 7.1.1 Does the College conduct a Green Audit of its campus?

The college takes all possible steps to make the campus eco-friendly even in the absence of a formal mechanism of Green Audit. The aim has always been to instill a sense of pride, consciousness of nature, as well as responsibility towards its sustainability in all the stakeholders.

- The **Eco Club** of the college undertakes various activities for creating environmental awareness in the college campus. The club holds an annual festival wherein competitions such as poster making, collage making, rangoli etc. are held. Workshops and debates on topics related to environment are organized regularly. Visits to biodiversity parks and other conservation areas in and around Delhi are organized every year for the students to familiarize them with the importance of such programmes.
- Smoking and use of plastic bags are totally banned on the campus. The entire campus is declared '**No Smoking Zone**' and '**No Plastic Zone**'.
- The college has employed gardeners for the maintenance of flora and aesthetics in the college campus.
- The green cover of the campus is carefully raised, no trees are cut and cementing is minimized for water percolation. The college also adheres to the practice of pruning its trees regularly.
- Use of natural manure, eco-friendly pesticides and minimal use of fertilizers is preferred over chemical ones which have adverse effects.

#### 7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?

##### \* Energy conservation

- The college has maximized the use of daylight and daylight hours by beginning its teaching schedule at 8:30 a.m.
- The building and the classrooms are naturally well lit and ventilated, hence artificial lighting and cooling is minimally required.
- The students are advised to switch off the electric connections and appliances before leaving the classrooms.

- The air conditioners in the college are under an annual maintenance contract and are serviced by the company authorized technicians. All ACs have voltage stabilizers and the AC filters are cleaned regularly.

#### \* Use of renewable energy

The use of renewable energy for sustainable development has always been highly valued by Maitreyi College. Fallen leaves and dry plants on the campus are collected in the vermicomposting pits in the garden to convert them into manure.

The new Science Block and Girls' Hostel will have solar panels and thermal insulation facilities, making them green buildings.

In an effort to contribute effectively to the nation's progress, a project entitled "Development of Slow Release Fertilizers from Bio-Waste using the Techniques of Nanochemistry" has been sanctioned by the University of Delhi for the year 2015-16 under its Innovation Project Scheme. The findings of this research will be a stepping stone for our future endeavours.

#### \* Water harvesting

A water harvesting unit was installed in the year 2004. The unit has been developed to collect water from our 10 acre campus with a drainage line strategically placed to make maximum use of the water flow. The system has contributed in raising the water table substantially. The proposed Science Block and Hostel also will also have the features of rain water harvesting system.

#### \* Efforts for Carbon neutrality

- The carbon emissions are reduced by adopting the prescribed practices such as the use of bicycles and public transport, encouraging car-pooling etc.
- Use of natural manure and minimal use of fertilizers is ensured. Eco-friendly pesticides are preferred.
- Compliance to the Hon'ble Supreme Court order of not burning dried leaves is adhered to. Waste paper is recycled.
- Research is being conducted by the department of Computer Science on analyzing the carbon foot print of the College.

#### \* Plantation

The Garden Committee, comprising of highly experienced faculty and skilled gardeners is taking care of all green areas in the campus.

The landscaping of the green cover of the College has been done. The College terrain includes rocky as well as plain grassy lawns. Every patch of land available has been converted into a green area with ornamental and medicinal plants. The sprawling lawns,

plants, flowers and verdant campus of Maitreyi College, have not only been winning laurels for the College in competitions with other institutions from the University, but also present a natural and peaceful ambience. The lush campus with flora of all hues is the result of the hard work of the College gardeners who work as a united team round the clock to achieve glorious results. Several varieties of fruit, ornamental trees and shrubs have been planted throughout the campus. The many awards won by the College include, the 'Deshbandhu College Cup' for the Best Lawn, 'Dr. A.C. Janaki Amma Cup' for Best Border of Mixed Flowers and several prizes in the Cut-Flower categories at the Annual Flower Show held by the University of Delhi in February 2011. A herbal garden in the college campus currently has 25 species of medicinal plants, maintained by the gardeners and students from the Botany department. The botanical garden has syllabi specific plantations which are maintained by gardeners under the supervision of the faculty of Botany department.

#### \* Hazardous waste management

- The management of hazardous waste is conducted as per the standard norms. The Chemistry department has been at the forefront in developing methods and practices in reducing the usage of harmful reagents and products generated during the laboratory experiments. A few workshops have been held to sensitize the faculty and students in using alternate methods that reduce the usage of hazardous chemicals. Similar practices are being followed by other Science departments like Botany and Zoology where segregation and disposal of harmful wastes are followed religiously.
- In laboratories of Botany department, the used agarose and polyacrylamide gels are discarded after autoclaving. Utmost care is taken to treat the gel running buffers (containing ethidium bromide, a carcinogen) with phosphoric acid before their draining.
- The bacterial cultures and associated materials are autoclaved at standard pressure/temperature conditions before disposal.
- In the Chemistry lab many hazardous chemicals are recycled for reuse e.g. phenol used by students for various experiments is collected back and is procured by distillation method. Most titrations are done at very low concentrations to minimize the pollution at disposal end.

#### \* e-waste management

With the growing electronic industry, new products are coming in the market at an exponential rate, due to which the older products are becoming obsolete. This has created a new problem of e-waste management. Realizing the gravity of this problem, the Physics department in September 2014 initiated an awareness campaign, **Wake Up Call** with an objective to educate people about health and environmental hazards of using wrong methods for e-waste

handling. The activities ranging from awareness survey, presentations, exhibitions to show reuse of e-waste, collection of e-waste etc. were undertaken.

Maitreyi College was awarded '**Cleanliness, Hygiene and Sanitation Education (CHASE)**' award by the Confederation of Indian Universities in December 2014. This highlights our commitment to maintaining a clean and green campus.

## **7.2 Innovations**

### **7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.**

Innovations are directed towards the goal of achieving holistic excellence as an academic institution. The innovations that have created a positive impact on the functioning of the college can be categorized under three heads viz. Academic, Infrastructural Development and Any other.

#### **A. Academic:**

##### **Innovations in teaching and learning**

- Use of ICT - smart boards, projectors, smart podiums.
- Using workshops, special lectures, seminars for enhancement of skills.
- Use of Open Source Software - switching to Ubuntu.
- Use of Wi-Fi and Internet Facilities to overcome barriers of knowledge dissemination thus promoting self and advanced learning.
- The college library has introduced e-tickets, thus regulating and simplifying the process of accession and maintenance of records.
- Providing laptops to students for use in classroom and at home to facilitate online learning and sharing.

##### **Innovations in International Collaboration**

- Our college has been actively involved in the UK-India Education and Research Initiative-Study India Programme (UKIERI-SIP) since 2009 which provides an opportunity to young people from the United Kingdom to visit India and understand the challenges and opportunities that new global economies face. Various educational and cultural activities are organized under this exchange program in the college. This provides a unique platform to our students as well as faculty members to interact and share with the UK students, the diverse cultural as well as pedagogical practices in India. Approximately sixty students visit the college every year.
- A group of three students and one faculty member has visited various universities in UK under the UKIERI-SUP (United

Kingdom India Education and Research Initiative-Study UK Programme) in 2013 and 2015.

- Besides collaboration with the universities in UK, Maitreyi College also initiated the same with Ohio State University, USA. A group of students from this University visited Maitreyi College in December 2013.

### **Innovations and New Thinking**

- Field trips to natural and industrial locations are a beneficial learning aid as well as a means of fostering creativity in students. This practice is being followed regularly.
- Innovation Projects in colleges introduced by the University of Delhi provide a platform for inter-departmental research for both the faculty and students. The projects undertaken have resulted in publications.

## **B. Infrastructural Development**

### **Optimum Utilization of Infrastructure**

- Holding classes for NCWEB (Non Collegiate Women's Education Board) on weekends and during vacations.
- Operating the Evaluation Centre for various subjects under the Centralized Evaluation Centre scheme of DU.
- The college is the Examination Centre for several competitive exams like UGC-NET, L.L.B., and M.B.B.S etc.
- The college conducts SOL classes and examinations.
- The college also served as a centre for IGNOU from 2005 – 2009.
- The college has served as a polling station and a centre for enrollment of Aadhaar and Voter identity cards.

## **C. Any Other**

### **Waste management**

- E-Waste management:  
The hazardous content of electronic waste materials is a threat to human life and environment. Thus proper management while disposing or recycling e-wastes is necessary. The departments of Computer Science and Physics have taken a lead to sensitize the stakeholders in this direction. The efforts will be further intensified to cover more intricate aspects involved in the e-waste management practices.
- Promoting paperless procedures:  
Several practices have been initiated to reduce the use of paper in day-to-day work by various departments in order to promote paperless protocols such as:
  - Discouraging the use of paper and using e-copies for maintaining (and sharing, at times) of documents such as attendance, assignments, practical workbooks, reports etc.
  - Reusing one-sided printed sheets.

- Encouraging the use of e-books.
- Use of Google Drive for peer-to-peer collaboration in the writing process.
- Use of Google Groups for effective communication.
- Uploading the important notices and other information on the college website.

### **Innovations in Social Responsibility**

- The staff and students are concerned about the environment and are taking steps to spread eco-consciousness among students. Social awareness programmes and surveys on e-waste management, carbon footprint and water footprint are being conducted.
- Water footprint: The goal of Water Footprint Assessment Project is to analyze how human activities or specific products relate to issues of water scarcity and pollution, and to see how activities and products can become more sustainable. The assessments refer to quantifying and locating the water footprint of a process, product, producer or consumer or quantifying in space and time the water footprint in a specified geographical area, assessing the environmental, social and economic sustainability of this water footprint and formulating a response strategy.
- The Medical Committee arranges health melas, check-up camps and talks with medical experts and practitioners for the benefit of staff and students from time to time. Blood Donation Camps are also organized to create consciousness and inculcate the practice of donating blood among students.
- Swachhta Abhiyan was organized in the college on the occasion of Gandhi Jayanti.
- A unit of the NGO 'Enactus' working in the college is working towards empowering women living in the slums of Mayur Vihar by training them in making and selling liquid dishwasher named 'Clean Ninja'. The dishwasher is lab tested, environmental friendly and striked through dirt in 30 seconds!
- A Mother Dairy kiosk has been installed in the college premises to promote healthy eating habits among students.
- A workshop on 'Disaster Management' was organized under the Star College Scheme to make the students and faculty aware of various disasters such as fire, earthquake etc. Live demonstration of the various equipment used during such disasters have also been held.

### **Innovations to Empower Diverse Sections of Society**

- **Differently Abled**

The college has an Enabling Unit which was set up in 2011. The infrastructure of our college is barrier free and many facilities have been provided for the students and faculty with disabilities.

- Ramps and slants with firm hand rails have been constructed at several locations.
  - The wash rooms on the ground floor have specially been renovated for the use of persons with disabilities.
  - Wheelchairs are available in the college for the orthopedically disabled.
  - Key instructions in the college premises are written in Braille as well.
  - The college library has installed special screen reading software JAWS and Kurzweil installed for the visually challenged students. The library is working towards augmenting its stock of audio CDs and books written in Braille.
  - A 'Reader and Writer Bank' has been created to help the visually impaired students whenever required.
  - A LEX camera scanner and notebook have been procured for the use of PwD students and faculty.
- **Women**
    - The college has a Sexual Harassment Cell to deal with instances of misbehavior against students.
    - The Women Development Cell of the college organizes workshops, lectures on gender issues.
  - **Economically weaker students**

The college provides financial assistance to disadvantaged students in the form of full or partial fee waiver and book bank facility.

### **7.3 Best Practices**

#### **7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.**

##### **Title**

**'Healthy Body –Healthy Life':** Inculcating Health Consciousness

##### **Goal**

The main objective is to create health consciousness among the youth.

The idea behind the said practice is two-fold. One, health care should begin at an early age and two, female health requires special attention.

##### **The Context**

Healthy practices at an early phase of life establish a firm base which contributes to improving the quality of life at later stages. Thus, the right attitude towards nutrition, healthy life style and hygiene is important.

In spite of being aware of the need to follow a healthy lifestyle, one tends to be careless, thus inviting health problems. Some such



unhealthy habits (mostly prevalent amongst students) are: indulging in junk food, irregular sleeping and eating habits, sedentary lifestyle etc.

It is therefore essential to make students aware of the dangers of unhealthy lifestyles and encourage them to pay attention to their health. This process of generating awareness is a real challenge. One-to-one discussion is required on a number of sensitive issues as the students may not open up in a group and consequently their personal doubts go unresolved.

### **The Practice**

Medical Health and Hygiene Committee undertakes different activities to enlighten the college community on health issues. These endeavours are not a part and parcel of the curriculum, yet the college has been making sincere and persistent efforts in this regard.

The activities undertaken are as follows:

- a. **Lectures:** Interactive lectures are organized on a wide range of topics including personal hygiene, nutrition, exercise, yoga and fitness, ailments like polycystic ovaries, Hormone Replacement Therapy (HRT), menopause, age related ailments, aesthetic plastic surgery etc. Speakers are leading doctors from prestigious hospitals like AIIMS, Fortis, Max etc. Talks on health and nutrition are held almost every year. The college has gained insight into many issues by getting expert views of Dr Anoop Misra (Fortis, Vasant Kunj, formerly at AIIMS), Prof. Ramesh Bijlani (AIIMS), Dr Sameer Anand (Orthopedic, MAX Hospital, Saket), Dr Seema (MAX Hospital, Saket) and Dr Shikha Sharma (Nutri-Health Systems) to name a few.
- b. **Health Check –up Camps:** Health check-up camps in collaboration with prominent hospitals like Escorts Heart Institute, Max Hospital Saket and Vasan Eye Care Hospital are also organized. These camps offer simple and non-invasive tests for cardiac care, blood sugar, bone density, eyes, ears, nose and throat, obesity, along with related consultation by experts. Dieticians, gynecologists, and psychologists offer consultation in these camps. Test reports are handed over on the spot on the hospital's OPD card. Attendees are cautioned that the results are only preliminary and follow up care should be taken up with their regular physicians.
- c. **Miscellaneous:**
  - A first aid training programme has been organized for students by St. John Ambulance Association in 2007. 55 students received the 'First-aid Training Certificate'.
  - On August 25, 2007, students participated in a 'Walk against Obesity' organized by the NGO 'Pankh' in association with the Diabetes Foundation (India). Students were in the forefront forming a human chain in this event.
  - Students participated in various events organized under a widely acclaimed programme on 'Health and Environment' in the 6th

Annual National Conference of the Medical Fitness Society, 2012 at India International Centre.

- Health quiz, poster-making and slogan-writing competitions are organized regularly to assess the level of health awareness among students. Cash prizes along with appreciation certificates are awarded to motivate the students to participate.

### **Evidence of Success**

All our endeavours have received a tremendous response from the college community. All the lectures are well-attended. The opportunity to have information through one-on-one interaction with eminent experts is the key to large participation. Since the health-camps are organized in the college in collaboration with best hospitals, the stakeholders have an easy access to a number of opportunities and its panel of experts.

Thus, through our health education and awareness programmes we are promoting self-care and increasing the health consciousness of the community. The hope is that this aware and health conscious community will definitely take this consciousness beyond the confines of the institution to the society at large.

### **Problems encountered**

We have successfully organized health related activities for over 15 years now. Experts have showered generosity by offering their expertise to college community free of cost. The other incidental expenses towards organizing such events are taken care of by the college. Full cooperation and support is extended by the college authorities, colleagues and non-teaching staff.

However, sometimes we face the following problems:

- Test results are just indicative and may not be very accurate in the camp situation. The attendees are cautioned about this beforehand.
- The health check-ups cannot be organized too frequently due to the tight academic schedule.

### **Contact Details**

Name of the Principal	:	Dr Savita Datta
Name of the Institution	:	Maitreyi College
City	:	New Delhi
Pin Code	:	110 021
Accredited Status	:	N.A.
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**EVALUATIVE REPORT OF  
DEPARTMENTS**

## Botany Department

1. Name of the department: **Botany**
2. Year of establishment: **1967**
3. Name of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

**UG: B. Sc. (Hons) Botany (6 semesters)**

4. Name of interdisciplinary courses and the departments/units involved:
  - **B. Sc. Programme - Life sciences with department of Zoology and Chemistry**
  - **B. Sc. Physical Science with department of Physics**
  - **B. Sc. (Hons) Chemistry with department of Chemistry**
5. Annual/ Semester/choice based credit system (programme wise):

**All programmes are running in semester mode.**

6. Participation of the department in the courses offered by other departments:

**Same as in Point No. 4.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued with reasons:

The following courses were discontinued:

S. No.	Name of the Course	Reason for Discontinuation
1.	B. Sc. Applied Life Sciences (Environmental Science)	Introduction of semester system in 2010
2.	B. Sc. Life Sciences	Introduction of FYUP in 2013
3.	Post Graduate Diploma in Nanotechnology	Introduction of FYUP in 2013

## 9. Number of teaching posts

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	12	5 (Promoted under MPS/CAS)
Assistant Professors		7

## 10. Faculty profile

Name	Qualification	Designation	Specialization	Experience (yrs)	No. of Ph.D. students guided
Dr Rina Majumdar	Ph. D. + PDF	Associate Professor	Cell Biology, Microbiology and Ecology	35	Nil
Dr Davinder Kaur	Ph. D. + PDF	Associate Professor	Biodiversity and Reproductive Biology	32	Nil
Dr Alka B. Vadakan	Ph. D.	Associate Professor	Biochemistry and Molecular Biology	28	Nil
Dr Renuka Kashyap	Ph. D. + PDF	Associate Professor	Reproductive Biology of Angiosperms	30	Nil
Dr Adesh Rani	Ph. D.	Associate Professor	Reproductive Biology	21	Nil
Ms Divya Singh	M. Phil.	Asst. Professor	Pollution & conservation Biology	9	Nil
Dr Rama Sisodia	Ph. D. + PDF	Senior Assistant Professor	Cell and Molecular Biology, Plant Biotechnology	12	Nil
Dr Atika Chandra	Ph. D. + PDF	Senior Assistant Professor	Plant Genetics, Plant Biotechnology	14	One (On going)
Dr Sandeepa Singh	Ph. D.	Assistant Professor	Cell Biology, Molecular Biology, Genetics and Biotechnology	3	Nil
Dr Pooja Baweja	Ph. D.	Assistant Professor	Phycology, Environmental Science, Cell Biology and Plant Diversity	9	Nil

Name	Qualification	Designation	Specialization	Experience (yrs)	No. of Ph.D. students guided
Dr P. Kavita	Ph. D. + PDF	Assistant Professor	Plant genetic engineering and biotechnology	4	Nil
Dr Anamika Singh	Ph. D.	Assistant Professor	Bioinformatics and Molecular biology	3	Nil
Dr Priyanka Khanduri	Ph. D.	Assistant Professor (Ad-hoc)	Reproductive biology, developmental biology and molecular biology	2	Nil
Dr Sarita Kumari	Ph. D.	Assistant Professor (Ad-hoc)	Applied Mycology	1	Nil
Dr Monika Jaggi	Ph. D. + PDF	Assistant Professor (Ad-hoc)	Plant Biotechnology	4	Nil

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

**31.4% (odd semester) + 21.4% (even semester)**

13. Student teacher ratio (programme wise):

**14.07:1 (197/14) Botany (Hons)**

**11.42:1 (160/14) (Life Science)**

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled:

	Sanctioned	Filled
Lab Assistants	**	3
Lab Attendants	****	3

\*\*Total 41 sanctioned for the departments of Botany, Chemistry, Computer Science, Physics and Zoology

\*\*\*\*Total 30 sanctioned for the departments of Botany, Chemistry, Computer Science, Physics and Zoology

15. Qualifications of teaching faculty with D. Sc./D. Litt/Ph. D./M. Phil./PG:

**Details provided in Point No. 10**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grant received - Nil

17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR etc. and total grant received:

**Star college grant under star college scheme since its inception in 2010 by Department of Biotechnology, Govt. of India.**

18. Research centre/facility recognised by the university: Nil

19. Publications:

**Publication per faculty (Last 4 years) = 18/15 = 1.2**

Faculty	Number of Papers published in peer reviewed Journals (International)	Number of Publications listed in International Database (Eg., Web of Science, Scopus, EBSCO host, etc.)	Citation Index (Since 2010)	H – Index (Since 2010)	ISSN
Dr Atika Chandra	1	1	52	3	ISSN: 0040-5752 (print); 1432-2242 (online)
Dr Sandeepa Singh	1	1	16	2	ISSN: 0971-7811 (print version) 0974-1275 (Online);
Dr Pooja Baweja	1	1	54	3	ISSN: 0031-9449
Dr P. Kavita	2	2	12	2	ISSN: 1467-7652; ISSN: 1439-0523
Dr Anamika Singh	3	3	7	--	ISSN: 1913-2751 ISSN: 1875-362 ISSN: 2277-8179 ISSN: 0973-2063
Dr Priyanka Khanduri	3	3	5	2	ISSN: 0254-6299 ISSN: 0304-3770 ISSN: 0378-2697
Dr Sarita Kumari	1	--	1	2	ISSN: 0944-5013

Dr Monika Jaggi	6	6	176	6	ISSN:1432-0614 ISSN:1471-2229 ISSN:1615-6102 ISSN: 0981-9428 ISSN:1432-203X ISSN: 1559-2324
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Faculty	Chapter in Books/e books	Books Edited	Books / Chapters ISBN No. with details of publishers
Dr Rina Majumdar	5 e-book chapters	NIL	ISSN 2349-154X
Dr Rama Sisodia	2 e-book chapters	3 e-books	ISSN 2349-154X ISBN: 978-93-85611-2 ISBN: 978-93-85611-7 ISBN: 978-93-85611-9
Dr Sandeepa Singh	1 e-book chapter	NIL	ISSN: 2349-154X
Dr Pooja Baweja	1 + 3 (accepted) book chapters	NIL	ISBN-13: 978-93811417175; ISBN: 978-94-007-7321-8
Dr Anamika Singh	9 book chapters	NIL	ISBN: 9781926895604; ISBN: 9781771880305; ISBN: 9781926895512; ISBN: 9781926895536; ISBN: 9781926895659; ISBN: 9781926895734; ISBN: 9781771880688; ISBN: 9781466674615; ISBN: 9781926895536
Dr Monika Jaggi	2 book chapters + 1 e-book chapter	NIL	ISBN: 978-3-527-33242-7 ISBN: 4-903313-00-X ISSN: 2349-154X

\*Other academic contributions

- **Designing of course curriculum and guidelines.**
- **Paper setting**
- **Conducting Practical examinations as internal as well as external examiners**

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards:



Faculty	Details
Dr Renuka Kashyap	Member of the Advisory Committee - 2010, of Department of Science & Technology, Government of India on 'Women & Child Health & Nutritional Programme'
Dr Rama Sisodia	<ul style="list-style-type: none"> <li>• Member of Expert Committee, UGC (2014 - 2015) constituted for coordinating and vetting the development of model curricula for under graduate courses under the Choice Based Credit System.</li> <li>• Subject investigator for 'National Mission in Education through – ICT' to develop e-content, Ministry of Human Resource Development, Government of India and awarded to University of Delhi (2012 - 2015).</li> </ul>

## 22. Student projects:

- a) Percentage of students who have done in – house projects including inter departmental/ programme:

**100%** of students have undertaken in- house projects as a part of University Course Curriculum. Each student of B.Sc. (H) Botany undertakes individual project in Ecology and Plant physiology during second and third year of their under-graduate course respectively and submit the report during examinations.

Apart from this many students have been doing interdepartmental projects under Star College scheme.

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/other agencies:

**Students of post graduate diploma in Nanotechnology have been sent to different institutes and labs for the successful accomplishments of their project reports.**

## 23. Awards/ Recognitions received by faculty and students:

- a) Faculty Awards:

Faculty	Awards/ Recognitions
Dr Renuka Kashyap	Meritorious <i>Teacher's Award (2013-14)</i> of the <i>Directorate</i> of Higher <i>Education, Government</i> of NCT of <i>Delhi</i> .
Dr Rama Sisodia	Fellow (October, 2012 – April, 2015), Institute of Life - Long Learning, DU

Dr Atika Chandra	Research grant (2013-2014) under University Innovation project scheme for the Project entitled 'Biocompatibility of Nanomaterials'
Dr Pooja Baweja	Scientist of the year 2012 award of National Environment Science Academy, India.

## b) Students Awards:

**Every year some of our students secure positions in South Delhi campus and they also won various competitions at inter- and intra-college level.**

## 24. List of Eminent speakers

S. No.	Speaker	Affiliation
1.	Prof. H. Y. Mohan Ram	INSA Senior Scientist, Sri Ram Institute of Industrial Research
2.	Prof. Rup Lal	Department of Zoology, DU
3.	Prof. J. S. Viridi	Department of Microbiology, DU, South Campus
4.	Prof. K. S. Rao	Professor, Department of Botany, DU
5.	Prof. A. K. Bhatnagar	Professor, Department of Botany, DU
6.	Dr Rajesh Tandon	Associate Professor, Department of Botany, DU
7.	Dr Shailendra Goel	Assistant Professor, Department of Botany, DU
8.	Dr Gurucharan Singh	Former Associate Professor, Department of Botany, SGTB Khalsa College, DU
9.	Dr Arun Jagannath	Assistant Professor, Department of Botany, DU
10.	Dr Radhey Shyam Sharma	Assistant Professor, Department of Environmental Studies, DU
11.	Prof. Deepak Pental	Professor, Department of Genetics, DU
12.	Dr Praveen Verma	Scientist V, NIPGR, Delhi
13.	Mr Suresh Vig	Expert, Electron Microscopy, (Retired as Technical Officer), DU

## 25. Seminars/ Conferences/ Workshops organized &amp; the source of funding (National/ International):

S. No.	Title	Organised By	Funded By	Year
1.	Safety Awareness (Safe Lab Practices)	Department of Botany in collaboration with Department of Zoology, Chemistry, Physics, Zoology	Star College Scheme, Department of Biotechnology (DBT)	June, 2010
2.	Webinar on Culture of Responsibility	Department of Botany and Zoology in collaboration with American Society of Microbiology	Star College Scheme (DBT)	September, 2013
3.	Upgrading Laboratory Skills in Science	Department of Botany in collaboration with Department of Zoology, Chemistry, Physics, Zoology	Star College Scheme (DBT)	June, 2010
4.	Conservation Strategies	Department of Botany in collaboration with Department of Zoology	Star College Scheme (DBT)	November, 2011
5.	Mushrooms - Future Food & Medicine	Department of Botany in collaboration with Usha Farms, Bijwasan, Delhi	Star College Scheme (DBT)	October, 2012
6.	Industrial Training on Mushroom Cultivation	Department of Botany in collaboration with Usha Farms, Bijwasan, Delhi	Star College Scheme (DBT)	November and December, 2010
7.	Molecular Biology Techniques: Detecting DNA, RNA And Proteins	Department of Botany and Zoology in collaboration with Merck India	Star College Scheme (DBT)	July, 2010
8.	Bioinformatics	Department of Botany in collaboration with Department of Zoology	Star College Scheme (DBT)	February, 2011

9.	Alternative fuels	Department of Botany and Zoology in collaboration with Sulabh International	Star College Scheme (DBT)	December, 2010
10.	Genetics & Genomics	Department of Botany	Star College Scheme (DBT)	December, 2014
11.	Recent Trends in Biotechnology	Department of Botany in collaboration with Department of Genetics, South Campus, University of Delhi	Star College Scheme (DBT)	February, 2014
12.	Electron Microscopy – Unraveling the Sub-cellular Cosmos	Department of Botany in collaboration with USIC, North Campus, University of Delhi	Star College Scheme (DBT)	March, 2015
13.	Fire safety and disaster management	In collaboration with all four science departments and CISF, India	Star College Scheme (DBT)	December, 2014
14.	Green technologies	In collaboration with all four science departments	Star College Scheme (DBT)	January, 2015

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass Percentage
			*M	*F	
B. Sc. (Hons) Botany	No information received from University	66	--	66	100

\*M = Male \*F = Female

27. Diversity of student:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Hons) Botany	31.8	68.2	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense services etc.?

**No Data Available**

29. Student progression

Student progression	Against % enrolled
UG to PG	
PG to M. Phil.	
PG to Ph. D.	
Ph. D. to Post – Doctoral	
<b>Employed</b>	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self – employment	
	<b>NO DATA AVAILABLE</b>

30. Details of Infrastructural facilities

a) **Library:** Though the college library has a vast collection of botany books covering the entire syllabi being taught by the Botany Department but it is being updated regularly with latest publications. To supplement this, the Department of Botany also owns its small library with rich collection of the books.

b) **Internet facility is available for both students and staff:** Each student has been provided with a Lap top which is Wi-fi enabled. Department also has its own Desktop, an Apple mac and a laptop which are also Wi-fi enabled and are well connected with the University's server.

c) Three well equipped laboratories, a tissue culture room and a museum is in place. The major equipment in laboratories are:

- PCR machine
- Refrigerated centrifuge
- BOD incubator
- Gel electrophoresis units (Horizontal and vertical)
- Electro-blot assembly

- Trans illuminator
- Laminar flow hood
- Autoclave
- UV – vis Spectrophotometer
- MIPS (Microscope Image Projection System)
- Orbital shaker – cum – incubator
- Microtome
- pH meters
- Weighing balances
- Microscopes, etc.

31. Number of students receiving financial assistance from college, university, government or other agencies:

	I Year		II Year		III Year	
	B. Sc. (Hons.) Botany	B. Sc. (LS)	B. Sc. (Hons) Botany	B. Sc. (LS)	B. Sc. (Hons) Botany	B. Sc. (LS)
<b>2014-15</b>	Nil	Nil	Nil	Nil	Nil	8
<b>2013-14</b>	Nil	Nil	Nil	10	3	2
<b>2012-13</b>	3	12	2	Nil	Nil	1

32. Details on student enrichment programs (special lectures/workshops/seminars) with external experts:

Ever since its inception, Department of Botany has been enthusiastically organizing various events towards upgrading and enriching the student's knowledge in the discipline. The programs range from road shows, exhibitions, awareness campaigns, visits to different laboratories, excursions, quizzes, debates, lectures by the experts and workshops.

Student enrichment programs in last five years:

Year	Lecture	Seminar	Workshop	Visit
<b>2014-15</b>	4	NIL	5	1
<b>2013-14</b>	1	1	NIL	1
<b>2012-13</b>	2	2	1	NIL
<b>2011-12</b>	4	NIL	2	5
<b>2010-11</b>	2	2	3	3

33. Teaching methods adopted to improve student learning:

Creative teaching and learning methods and keeping abreast with the technological advancements have been the hallmark of teaching process in the Department of Botany. The faculty members apart from conventional black board teaching, have adopted new methods and initiated teaching with power

point presentations, using videos, animations such that students are able to better conceptualize the living systems. To instil the enthusiasm for science and to help students 'learn by seeing' faculty members regularly organize visits to fields and educational institutes. Students also refer to the available e-contents related to their syllabus on the university official website.

### **Field trips and visits to educational institutes**

To explore and understand the vitality of plants in their natural habitat and to correlate classroom teaching and lab experiments, regular field trips are organized for the students to various biodiversity rich places in and around Delhi. Day long excursion along with expert guidance are regularly been organized to inculcate love for nature and make the subject interesting for the students. In the last three years students visited places like **1) Yamuna Biodiversity Park 2) Aravalli Biodiversity Park 3) Sultanpur Bird Sanctuary 4) Badkal lake 5) Mussoorie 6) Nainital 7) Mukteshwar etc.**

To inculcate fervor for research in the students and make them aware of the technological advancements including the techniques of in situ and ex situ conservation, visits to various educational institutes are organized regularly. To name a few our students have been visiting every year are : **1) Forest Research Institute (FRI) Dehradun 2) National Bureau of Plant Genetic Resources (NBPGR), Delhi 3) Indian Agricultural Research Institute (IARI), Delhi 4) Departments of Plant Molecular Biology; Genetics; Microbiology; Biotechnology (South campus), University of Delhi.**

34. Participation in Institutional Social Responsibility (ISR) and extension activities:

Students actively participate in different activities of NCC, NSS schemes in college.

35. SWOC analysis of the department and Future plans:

#### **a) SWOC**

##### **Strengths:**

Department of Botany has steered forth with a clear mission to provide student-centric learning. We can boast of incorporation of technology and innovation into our instructional program. The high quality of our faculty, experts in various fields of Botany provide a fertile intellectual climate to the students. The department has a tissue culture room, a museum and a botanical garden for supporting teaching and learning of undergraduate students. The laboratories are well equipped with microscopes, MIPS, spectrophotometers, Refrigerated centrifuge, deep freezer, Gel electrophoresis unit, transilluminator, PCR etc. Low drop-out rate of our students is also an indicator of the academic quality. Our faculty has procured research projects grants which additionally act as a boost for towards research in students.

**Weakness:**

With less time available there is little flexibility in planning of co-curricular activities. The same holds true for students' involvement in co-curricular planning. We lack an alumni database and therefore, the information about activities and successes of our ex-students has also been limited.

**Opportunities:**

Department looks forward to improve quality characteristics of our students and distinct niche development from existing strengths in teaching and research.

**Challenges:**

With the intake of students going up there is not enough space for our current activities. There are challenges to be met at infrastructural levels.

## b) Future Plans:

- To emphasize the significance of Botany to make it career oriented. Teaching methodologies explained under Point No. 33 will be further strengthened.
- To motivate the young minds for innovative research, the department has planned frequent visits and interactive sessions for the students in various high tech research labs.
- Eminent speakers from specialized fields will be regularly invited to deliver lectures.
- To inculcate confidence and public speaking ability, student's presentations and class-room seminars will be planned.
- The faculty members are also working hard to develop Digital Resume of the entire biodiversity included in the syllabus. The Digital catalogue of the specimen along with their scientific description will be available 24x7 days for the students in the department web site.



## Chemistry Department

1. Name of the Department: **Chemistry**
2. Year of Establishment: **1967**
3. Name of Programmes/Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.): **UG: B. Sc. (Hons.)**

### Chemistry (6 semester)

4. Names of Interdisciplinary courses and the departments/units involved
  - **B. Sc. (Prog.) Physical Science with department of Physics**
  - **B. Sc. (Prog.) Life Science with department of Zoology and Botany**
5. Annual/semester/choice based credit system (programme wise):
 

**All programmes are running in Semester mode.**
6. Participation of the department in the courses offered by other departments:
  - **B. Sc. (Hons) Physics**
  - **B. Sc. (Hons) Botany**
  - **B. Sc. (Hons) Zoology**
  - **B. Sc. (Hons) Mathematics**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Nil

8. Details of courses/programmes discontinued (if any) with reasons:

**PG diploma in Nanotechnology was discontinued when FYUP was introduced in 2013.**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	16	9 (By promotion)
Assistant Professors		7

10. Faculty profile with name, qualification, designation, specialization, (D. Sc./D. Litt./Ph. D./M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Number of years of experience
Dr Amirtha Anand	Ph. D.	Associate Professor	Physical Chemistry	31
Dr Pinkey Bajaj Gandhi	Ph. D.	Associate Professor	Organic Chemistry	30.5
Dr Sandhya Gupta	Ph. D.	Associate Professor	Inorganic Chemistry	25
Dr Gita B. Narula	Ph. D.	Associate Professor	Inorganic Chemistry	21
Dr Padma Saxena	Ph. D.	Associate Professor	Physical Chemistry	23
Dr Manju Mehta	Ph. D.	Associate Professor	Organic Chemistry	22.5
Dr Haritma Chopra	Ph. D.	Associate Professor	Physical Chemistry	20.5
Dr Lata Nohria	Ph. D.	Associate Professor	Inorganic Chemistry	30
Dr Ramesh Kumari	Ph. D.	Associate Professor	Physical Chemistry	20.5
Dr Rajani Johar	Ph. D.	Assistant Professor	Inorganic Chemistry	11
Dr Hema Bhandari	Ph. D.	Assistant Professor	Organic Chemistry	4
Dr Pratibha Chaudhary	Ph. D.	Assistant Professor	Organic Chemistry	3
Dr Ritu Gaba	Ph. D.	Assistant Professor	Physical Chemistry	5
Dr Lata Chandra	Ph. D.	Assistant Professor	Organic Chemistry	4.5
Dr Ankita Chaudhary	Ph. D.	Assistant Professor	Organic Chemistry	3.9
Mr Kamal Sharma	M. Phil.	Assistant Professor	Organic Chemistry	3.5

11. List of senior visiting faculty

**Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

**(7 permanent posts were filled up in January 2015)**

Course	Year	Semester	% lectures by temporary faculty	% practicals by temporary faculty
B. Sc. (Hons) Chemistry	2014-15	Odd	59.1	65.4
		Even	36.4	5

## 13. Student–Teacher Ratio (programme wise)

Course	Year	Semester	Student–Teacher ratio
B. Sc. (Hons) Chemistry	2014-15	Odd	9
		Even	11.8

## 14. Number of academic support staff (technical) and administrative staff sanctioned and filled

	Sanctioned	Filled
Lab Assistants	**	8
Lab Attendants	****	6

\*\*Total 41 sanctioned for the departments of Botany, Chemistry, Computer Science, Physics and Zoology

\*\*\*\*Total 30 sanctioned for the departments of Botany, Chemistry, Computer Science, Physics and Zoology

## 15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.:

**Data available in point 10.**

## 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

**Faculty and students of Chemistry department were actively involved in research projects since last 3 years. Three Projects were undertaken and successfully completed.**

S. No.	Year	Faculty	Project	Funding Agency	Grant received
1.	2012-13	Dr Amirtha Anand Lt Dr Padma Saxena Dr Neelima Rani	Innovation Project entitled ' <i>study of Surface Tension in the action of soaps, detergents, germicides, cosmetics and in the field of pharmaceuticals</i> ' <sup>*</sup>	DU	10 Lakhs
2.	2013-14	Lt Dr Padma Saxena Dr Hema Bhandari Dr Sadhana Pandey Dr. Ritu Dhingra	Innovation Project (MTC-201), entitled ' <i>Waste Water treatment and Corrosion Protection by Development and Evaluation of conducting Polymer Nanocomposite Impregnated Material</i> ' <sup>#</sup>	DU	5.5 Lakhs
3.	2013-14	Dr Ramesh Kumari & Dr Hema Bhandari	Star College Project, entitled ' <i>Development of highly durable, cost effective and eco-friendly smart coating of conducting polymer nanocomposites for protection of metals in highly corrosive environment</i> '	DBT Star College Scheme	NA

<sup>\*</sup> Amirtha Anand, Neelima Rani, Padma Saxena, Hema Bhandari, S.K.Dhawan. *Development of Polyaniline /Zinc Oxide nanocomposite impregnated fabric as an Electrostatic Charge Dissipative Material*, Polymer International DOI: 10.1002/PI4870 ISBN: 1097-0126.

<sup>\*</sup> Sadhana Pandey, Padma Saxena, Ritu Dhingra, Hema Bhandari and S.K.Dhawan "Antimicrobial and Antistatic Performance of Cotton

Fabric Decorated with Polyaniline/CuONanocomposites” Feb 2015, Communicated in ‘Advance Material Letter’.

\* Hema Bhandari, Sadhana Pandey, Padma Saxena, Ritu Dhingra, and S.K.Dhawan ‘Corrosion Inhibition Performance of ZnO Nanoparticles Embedded Poly (aniline-co-2-sec.butylaniline) Composites in Highly Corrosive Environment” December, 2014. Communicated to ‘Polymers for Advance Technology’.

18. Research Centre/facility recognized by the University

Nil

18. Publications:

**Publication per faculty in last 4 years = 49/16 = 3.02**

Faculty Name	Total Publications	Publications in last four years	ISBN/ISSN of publications in last four years
Dr Amirtha Anand	7	1	ISSN: 1097-0126
Dr Pinkey Bajaj Gandhi	4	--	--
Dr Sandhya Gupta	3	--	--
Dr Gita B. Narula	5	--	--
Dr Padma Saxena	5	2	ISSN: 1097-0126 ISSN: 978-81-920509-5-8
Dr Manju Mehta	3	--	--
Dr Haritma Chopra	3	--	--
Dr Lata Nohria	5	--	--
Dr Ramesh Kumari	23	1	ISSN: 978-81-920509-5-9
Dr Rajani Johar	6	5	ISSN: 1099-0739 ISSN: 1386-1425 ISSN: 2153-2249 ISSN: 2321-4635 ISSN: 2321-4635
Dr Hema Bhandari	17	12	ISSN:1099-1581 ISSN: 0040-6090 ISSN: 0379-6779 ISSN: 0379-6779 ISSN: 0300-9440 ISSN: 2163-1344 ISSN: 2163-1344 ISBN No: 1097-0126 ISSN: 0257-8902 ISBN: 978-81-920509-5-8

			ISBN: 978-81-920509-5-9 ISBN: 978-81-920509-5-11
Dr Pratibha Chaudhary	10	2	ISSN: 2083-1331 ISSN: 1024:1221
Dr Ritu Gaba	4	4	ISSN: 2210-271X ISSN: 0219-6336 ISSN: 0976-3961 ISSN: 2356-7686
Dr Lata Chandra	8	8	ISSN: 2231-3087 ISSN: 2231-3087 ISSN: 2278-9928 ISSN: 2319-4014 ISSN: 0960-894X ISSN: 0975-413X ISSN: 2231-2560
Dr Ankita Chaudhary	14	14	ISSN: 1463-9262 ISSN: 0040-4039 ISSN: 0030-4948 ISSN 1751-8253 ISSN 0039-7911 ISSN 0008-4042 ISSN: 2046-2069 ISSN 0039-7911 ISSN: 1943-5193 ISSN: 0019-4522 ISSN: 0040-4039 ISSN: 0040-4039 ISSN: 1875-5348 ISSN: 0039-7911

**Books Published/Chapter in Books:**

Faculty Name	Number of Books authored/reviewed	ISSN/ISBN No.	Chapter in Books	ISBN/ ISSN Numbers
Dr Amirtha Anand	3	ISBN: 978-81-907-4625-0 ISBN: 817-59-6408-1	--	--
Dr Haritma Chopra	5*	ISBN : 978-813180-1642 ISBN : 978-935007-1472 ISBN : 978-817450-9673	8	ISBN : 978-817450-9673
Dr Ramesh Kumari	2	ISBN : 978-81-731-9666-9 ISBN : 978-18-426-5078-3	--	--
Dr Rajani Johar Chhatwal	2	ISBN: 81-85044-66X ISBN: 81850-44740	--	--

Dr Hema Bhandari	--	--	2	ISBN: 978-953-51-0762-0, ISBN: 978-981-4463-54-6
Dr Lata Chandra	1	ISBN : 978-93-8212-723-9	1	ISBN : 978-81-8030-432-3

\*Books reviewed

Other academic contributions:

- **Designing of course curriculum and guidelines.**
- **Paper setting**
- **Conducting Practical examinations as internal as well as external examiners**

19. Areas of consultancy and income generated:

Nil

21. Faculty as members in a) National committees b) International Committees  
c) Editorial Boards:

<b>Faculty</b>	<b>Committee</b>
Dr Haritma Chopra	Resource person at NCERT for the review and development of study material for students as well as teachers since 2006
Dr Ramesh Kumari	(i) Life Member, IANCAS Society India (ii) Life Member, ISAS Delhi Chapter (iii) Deputy Coordinator for PG Diploma in Nanotechnology under Innovative Programme of UGC, Maitreyi college (2008-2013) (iv) Academic Counsellor and Assistant Coordinator for IGNOU centre at Maitreyi College in year 2005 to 2010
Dr Pratibha Chaudhary	(i) Guest Editor, Special issue 'Bioactivities of Organotransition Metal complexes including Metallocene,' Bioinorganic chemistry and applications (2014-15) (ii) Life Member, Society for Material Chemistry (LM876) (iii) Life Member, Indian Society of Analytical

	Scientists (LMT-2010/22) (iv) Life Member, The Indian Science Congress Association (ISCA) (L21525) (v) International Association of Engineers (IAENG) (Membership No. 105976)
Dr Lata Chandra	(i) Green Chemistry Network Centre, Advancing Green Chemistry, Department of Chemistry, University of Delhi since 2011 (ii) Asian Polymer Association, Jamia Hamdard, Hamdard Nagar, Delhi since 2012

## 22. Student projects

- a) Percentage of students who have done in-house projects including inter-departmental/programme:

Course	Title of the Project
4 - B. Sc. (Hons) Chemistry II year 4 - B. Sc. (Hons) Physics 1- B. Sc. (Prog.) Physical Science	Innovation project, entitled ' <i>Study of Surface Tension in the action of soaps, detergents, germicides, cosmetics and in the field of pharmaceuticals</i> '
6 - B. Sc. (Hons) Chemistry 4- B. Sc. (Hons) Physics	Innovation project, entitled ' <i>Waste Water treatment and Corrosion Protection by Development and Evaluation of conducting Polymer Nanocomposite Impregnated Materials</i> '
5-B. Sc. (Hons) Chemistry III year	Research project entitled ' <i>Development of highly durable, cost effective and eco-friendly smart coating of conducting polymer nanocomposites for protection of metals in highly corrosive environment</i> ' funded by DBT Star College Grant

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

Course	Research laboratories/Industry/ other agencies	Year
3 - B. Sc. (Hons) Chemistry III year	Dhanuka Agritech Pvt. Limited	May-June 2014.
1 - B. Sc. (Hons) Chemistry II year	Ranbaxy Laboratories, Gurgaon	May-June 2014
5 - B. Sc. (Hons) Chemistry III year	National Physical Lab	May-June 2014

## 23. Awards/Recognitions received by faculty and students:



Faculty:

Faculty	Award/Recognition
Dr Amirtha Anand	Best Teacher award by Government of Delhi in 2012.
Dr Hema Bhandari	Patent No. 3813DEL2013 on Smart Coatings of Conducting Polymer Composites for Corrosion Protection in Marine Environment, won the Gold Medal under 'DST-Lockheed Martin Innovation Growth Programme 2014'
Dr Lata Chandra	Best Innovative Idea under Industry University Interface, Innovation Project 2013-2014, University of Delhi. Teaching Excellent Award for Innovation 2015, University of Delhi

Student:

Student Name	Award/Recognition
Meghna Tiwari Ritu Sharma	Two papers were accepted and presented at National Symposium on Innovation in Composites for general purpose to High end application NSICHA 2015 GGSIP University, Dwarka, New Delhi held on 17- 18 Feb, 2015 under the Innovation and Star College scheme.

24. List of eminent academicians and scientists/visitors to the department:

S. No.	Speaker	Affiliation
1.	Prof. B. Jayaram	Department of Chemistry, IIT Delhi
2.	Dr S. Kukreti	Department of Chemistry, DU
3.	Prof. A. Ramanan	Department of Chemistry, IIT Delhi
4.	Dr G. S. Sodhi	Department of Chemistry, Khalsa College, DU
5.	Dr Rajesh Gokhle	Director of IGIB Delhi
6.	Prof. V. K. Jain	Vice Chancellor Doon University
7.	Prof. J. L.Sharma	Chairperson Petrotech Society (Delhi- NCR)
8.	Prof. Gurmeet Singh	Head, Department of Chemistry, DU
9.	Prof. J. M. Khurana	Department, of Chemistry, DU
10.	Dr E. Ramu	Indian Oil Corporation R & D Centre
11.	Dr G. S. Kapur	Indian Oil Corporation R & D Centre
12.	Dr J. Christopher	Indian Oil Corporation R & D Centre

## 25. Seminars/Conferences/Workshops organized &amp; the source of funding

a) National b) International

S. No.	Title	Organised By	Date	Funded By
1.	Science Programme 'Green Innovation for sustainable development'	Department of Chemistry	8-9 January, 2015	Star College Scheme, Department of Biotechnology (DBT)
2.	Seminar on 'Molecular Spectroscopic Techniques'	Department of Chemistry, Maitreyi College in collaboration with Indian Society of Analytical Scientists – Delhi Chapter	30 March, 2015	Star College Scheme (DBT)
3.	Environmental Health & Safety Program	Chemistry Department	4 September, 2014	Star College Scheme (DBT)
4.	'CHEMISTRY : An Indispensable tool in Everyday Life'	Chemistry Department	30 September, 2014	Star College Scheme (DBT)
5.	Climate Change: A Global Environmental Issue	Chemistry Department	8 Feb, 2014	Eco Club, Maitreyi College
6.	Workshop on 'Fundamental and Practical aspects of Biochemistry'	Chemistry Department	2012	Star College Scheme (DBT)
7.	Lecture on 'Application of Chemistry in Solving Crime Cases'	Chemistry Department	Feb, 2012	Star College Scheme (DBT)
8.	Lecture on 'Chemical biology of mycobacterium tuberculosis'	Chemistry Department	2011	Star College Scheme (DBT)

9.	National Seminar on 'Frontier Areas in Chemistry'	Chemistry Department	Sept 23-24, 2006	CSIR
10.	National Seminar on 'Recent Trends in Chemistry'	Chemistry Department	Sept 22-24, 2004	UGC

26. Student profile programme/coursewise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. Sc. (Hons) Chemistry	No information received from University	58	-	58	100

\*M=Male \*F=Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Hons) Chemistry	20.7	79.3	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.?

**No Data Available**

29. Student progression

Student progression	Against % enrolled
UG to PG	NO DATA AVAILABLE
PG to M.Phil.	
PG to Ph. D.	
Ph.D. to Post-Doctoral	

<b>Employed</b>	NO DATA AVAILABLE
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

## 30. Details of Infrastructural facilities:

a) **Library:** The Chemistry Department is the only department which has its departmental library with over 500 books.

b) **Internet facility:** The College has free wi-fi facility for students and staff. The department has 2 computers and 3 laptops for staff and students. We have one classroom with ICT facility to offer advanced technology to the students.

c) **The Chemistry department has 3 well equipped laboratories** which possess several sophisticated instruments such as UV-Vis spectrophotometers, potentiometers, conductometers, flame photometers etc to do research at undergraduate level.

## 31. Number of students receiving financial assistance from College, University, Government or other agencies:

Two each of I year in 2013 – 14 and 2012 - 13

## 32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

The faculty of Chemistry Department believes that research plays a pivotal role in the undergraduate education and therefore, has always given great importance to research efforts. The teachers of Chemistry Department have contributed resourcefully and remarkably for the enhancement of students:

Year	Lecture	Seminar	Workshop	Visit
<b>2014-15</b>	1	1	2	1
<b>2013-14</b>	1	-	-	1
<b>2012-13</b>	1	-	1	2
<b>2011-12</b>	1	-	-	1

## 33. Teaching methods adopted to improve student learning:

Along with the traditional method of chalk and board latest e-learning techniques and power point presentations have been adopted for better understanding of the subject. Innovative teaching approaches/methods are adopted and explained by using models, molecular modelling and computer simulation techniques.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- 30 students participated in community services projects like tutoring poor students during their college breaks.
- Work experience and internship was gained by 30 students with various NGO's like PRAYAS, NAYA SAVAERA, SMILYO where they worked for girl child rights 'Campaign Rebirth'.
- 15 students enrolled for NCC and participated in various activities at college level and NCC unit. Cadets attended various camps, participated in inter college competitions and also appeared for B-certificate and C-certificate examination conducted by NCC headquarter.
- 5 students were campus ambassador for CARE FOR BHARAT NGO, and were involved with activities of NSS.

35. SWOC analysis of the department and Future plans

**Strengths:**

The department has a blend of highly experienced, dedicated senior teachers from various universities and research oriented young teachers. The department has its own exclusive library and a separate instrumentation laboratory for undergraduate programme.

**Weaknesses:**

With the huge number of students studying in Chemistry department the classrooms and labs are inadequate. There is no research laboratory for undertaking project work of students. The faculty strives hard to fulfil their responsibilities.

**Opportunity:**

To cater to additional UG and PG courses in technological and academic subject. In the future we can interact with various research institutes, labs, industries related to chemistry and interdisciplinary subjects and create consultancy services and generate funds for the college.

**Challenges:**

With the increase in number of students enrolling in the Chemistry Department, it is a challenge for the department to maintain and enhance its quality of teaching due to limited faculty, staff, laboratories and lecture halls.

**Future Plans:**

- To enhance our stature as a leading academic and research intensive department.
- To engage ourselves with partners within and outside the college to promote and support interdisciplinary research, collaborations, and economic development.

- To engage students in interdisciplinary research projects during summer vacation and extended practicals and projects throughout the year.
- Promote research excellence driven by faculty and students by engaging them in various research activities and improving the infrastructure for carrying research.
- The Department has also been preparing ready reckoners and lab manuals for the smooth conduct of practical classes.
- Send students for internship programmes to various industries and research institutes during vacations.
- To organize workshops or outreach activities for Government school students.
- To develop the database of the alumni of our department to have constant interaction with them so that they may interact with our students.

36. Any other information of the department:

- Dr Haritma Chopra and Dr Amirtha Anand were resource persons at NCERT, New Delhi in 2014 for the development of Text Material for students and teachers at Higher Secondary Level.
- Dr Haritma Chopra was resource person for National Conference on 'Environmental Economic and Social Sustainability' 4 December, 2014.
- Lt Dr Padma Saxena of our Department is taking care of NCC unit of the college since 2004. In year 2007, she was recommended by Vice Chancellor, Delhi University and DGNCC for three months training as NCC officer at OTA, Gwalior (SW -79), due to which she earned Lt Rank (Gazetted officer of Government of India). Under her leadership, NCC unit with 160 cadets on roll is flourishing, wherein cadets are encouraged to participate in all the NCC activities organized by Government of India.

## Commerce Department

1. Name of the Department: **Commerce**

2. Year of establishment: **1977**

3. Names of Programmes offered:

**B. Com (Hons) and B. Com (Prog.) (6 semester)**

4. Name of interdisciplinary courses and the departments/units involved:

- **Department of Computer Science**
- **Department of Economics**
- **Department of Hindi**
- **Department of English**
- **Department of Punjabi**
- **Department of Political Science**

5. Annual/ Semester/choice based credit system (programme wise):

**All Programmes are running in Semester mode.**

6. Participation of the department in the courses offered by other departments:

**Same as in point no. 4.**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

**Nil**

8. The Programmes/ courses which are discontinued with reasons:

- Annual mode has been discontinued in 2010 by Delhi University.**
- 6 Semester (3 year) programme replaced by FYUP of Delhi University in the year 2014.**

9. Number of Teaching Posts:

<b>Number of Teaching Post</b>	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	13	5 (By promotion)
Assistant Professors		8

## 10. Faculty Profile:

Name	Qualification	Designation	Specialization	Years of Experience
Dr Ramesh Madan	Ph. D., M. Phil.	Associate Professor	Marketing	38
Dr Suman Gupta	Ph. D.	Associate Professor	Finance	35
Dr Madhu Jain	Ph. D.	Associate Professor	Taxation	34.5
Mrs Nirmala Chauhan	M. Com.	Associate Professor	Taxation	32
Dr Prachi Bagla	Ph. D., M. Phil.	Associate Professor	Corporate Social Responsibility in the Corporate Health sector	32
Mrs Sonal Babbar (On study leave)	M. Phil., Pursuing Ph.D.	Assistant Professor	Finance	8.5
Ms Shaifali	M. Com., Pursuing Ph. D.	Assistant Professor	Marketing	7
Ms Jyotsna	M. Com.	Assistant Professor	Marketing	7
Mr Ghunmunlal Khongsai	M. Com.	Assistant Professor	Marketing	1.5
Mrs Latika Poswal	M. Com.	Assistant Professor	Finance & Law	3
Mrs Shweta Pandey	M. Phil.	Assistant Professor	Organizational Behaviour & Development	3.5
Ms Vidisha	M. Com., pursuing Ph. D.	Assistant Professor	Finance	5
Ms Neha	M. Com., pursuing M. Phil.	Assistant Professor	Finance	2
Ms Kritika Khurana	M. Com.	Assistant Professor (Ad-hoc)	Finance	2
Ms Ritika Ahuja	M. Com.	Assistant Professor (Ad-hoc)	Finance	1



11. List of senior visiting faculty:

**Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **23.5% (In Odd semester)**

(05 permanent posts were filled up in January 2015)

13. Student- Teacher Ratio:

**B. Com. (Hons) = 21:1 (314/15)**

**B. Com. (Prog.) = 11:1 (171/15)**

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled:

**Nil**

15. Qualifications of teaching faculty with Ph. D/ M. Phil/ PG:

**Details provided in point no. 10.**

16. No. of faculty with Projects (National and International Agencies and Grants received)

**Nil**

17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR etc. and total grant received:

<b>Faculty</b>	<b>Project Topic</b>	<b>Project ( National/ International)</b>	<b>Grants received</b>
Ms Jyotsna with Dr Saroj Rani (Economics Department)	Opportunities and Challenges of Labour Migration: A case study of Indian Diaspora (2013-2015)	International	5.5 lakhs out of 10 lakhs funded by ICSSR

18. Research center/facility recognized by the university

**Nil**

20. Publications:

Publication per faculty =  $21/15 = 1.4$  (Last four years)

Faculty	Total No. of Publications	Publications in last four years	ISSN
Ms Shafali	3	3	ISSN: 978-93-82880-75-2 ISSN: 978-93-83842-23-0 ISSN: 978-93-81212-62-2
Ms Jyotsna	1	1	ISSN: 2277- 7768
Ms Vidisha	3	3	ISSN: 18104967 ISSN: 2231 0584 ISSN: 2230-9241
Ms Shweta Pandey	4	4	ISSN: 0975-0150 ISSN:0975-0150 ISSN: 2321 2497 ISBN: 978 81923211-7-2
Mrs Latika Poswal	4	4	ISBN: 978-93-81212-62-2 ISBN: 978-93-83842-23-0 ISSN: 0976-9358 ISSN: 2249-6114
Ms Sonal Babbar	1	1	ISBN: 0019-512X
Ms Ritika Ahuja	5	5	ISSN: 2321 8916 ISSN: 2321 8916 ISSN: 2321 8916 ISSN: 2321 8916 ISSN: 2321 8916

Faculty	Chapters in books	ISBN	Book	ISBN
Ms Jyotsna	2	ISBN: 978- 93-82974- 215 ISBN: 978-93-8486-95-33	1	ISBN: 978-81- 225-0703- 4

Name of the Faculty	Conference/Seminar/ Paper Presentations/attended
Ms Jyotsna	10
Ms Shaifali	5
Ms Shweta Pandey	9
Dr Ramesh Madan	1
Dr Suman Gupta	2
Dr Madhu Jain	1
Mrs Nirmala Chauhan	1
Dr Prachi Bagla	1
Ms Sonal babbar	7
Ms Neha	4

21. Areas of consultancy and income generated:

**Nil**

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards

**Nil**

22. Student Projects:

All the students of B.com (H) III<sup>rd</sup> year are involved in projects as part of their curriculum.

23. Awards/ recognition received by Faculty and students:

Name of the faculty	Awards/recognition	Year
Ms Kritika Khurana	Teachers excellence awarded by Delhi University	2013-14

24. List of Eminent speakers:

**Prof. J. P. Sharma, Dean, Department of commerce, University of Delhi, delivered a talk on Corporate Governance in Feb 18, 2015.**

25. Seminars/ Conferences/ Workshops organized & the source of funding (National/ International):

S. No.	Workshop / Seminar/ Visit	Number	Topic	Organized By	Funded by
1.	One day workshop	2	Career in Investment Banking Educational workshop	International College of Financial Planning (ICFP), ORBIT for career counseling	Maitreyi College
2.	Seminar	1	'Act of success' by Guru Mr A. K. Mishra	Department of Commerce, Maitreyi College	Maitreyi College
3.	Educational Trip: Goa, Dharamshala and Mcleodganj, Jim Corbett, Manali	4	--	Department of Commerce, Maitreyi College	Self funded

26. Student profile programme/course wise:

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. Com. (Hons)	No information received from	109	--	109	100
B. Com (Prog.)	University	80	--	80	100

**\*M- Male \*F- Female**

27. Diversity of students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Com. (Hons)	53.21	46.78	1.83
B. Com. (Prog.)	51.25	48.75	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense services etc.?

**No Data Available**

29. Student Progression:

Student Progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M. Phil	
PG to Ph. D	
Ph. D to Post- Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/self-employment	

30. Details of Infrastructural facilities:

- a) **Library-** Library has latest editions related to B. Com.(Hons)/B. Com. (Prog.)/B.Com., Wi- fi in the college for e- resources journal, Magazines and books.

b) **Internet facilities for ICT facility**- Yes

c) **Classrooms with ICT facility** - Yes, the college is Wi- fi enabled

d) **Laboratories**- Laboratory work has done in Computer Science Department laboratories.

31. Number of students receiving financial assistance from college, university, government or other agencies:

	I Year		II Year		III Year	
	B.Com. (Hons)	B.Com. (Prog.)	B.Com. (Hons)	B.Com. (Prog.)	B.Com. (Hons)	B.Com. (Prog.)
2014-15	Nil	Nil	Nil	Nil	Nil	1
2013-14	3	Nil	4	1	Nil	1
2012-13	2	8	Nil	7	Nil	1
2011-12	1	Nil	Nil	Nil	1	Nil

32. Student enrichment programmes:

- The Commerce department organized a one day workshop on Career in Investment Banking conducted by International College of Financial Planning (ICFP). It was an opportune time for the students to discover this field and gain useful insights from industry experts.
- The department organized a one-day educational workshop in collaboration with ORBIT for career counseling on the special request of student of II and III year B.Com. (Hons).
- The commerce society has conducted various events like debate on Capitalism v/s Socialism, ad- mad; beg borrow competitions etc. which gave insights to the practical aspects of business commerce and management. The department organized a two days inter-college educational festival named 'COMFRESCO' for very first time in the college for the students with some events like seminars and competitions etc. in February 2014.

33. Teaching Methods adopted to improve student learning:

- Power Point Presentation
- Case study
- Hands on learning method like marketing games,
- Business games.
- Group discussions
- Videos Interactive sessions with Questions
- Poster

- Role playing Economic/ business news analysis
- Interactive
- Brain storming
- Management games
- Business Quiz
- Use laptops
- Excursion activities

34. Participation in Institutional Social Responsibility and Extension activities:

**Nil**

35. SWOC analysis of the department and Future Plans

**Strengths:**

- Excellent Faculty
- Openness
- Proactive in college activities, societies and events besides their teaching commitments
- Good intake of students from good schools
- Good computer laboratory

**Opportunities:**

- To build on its strength to uplift the department's bench marks in terms of Excellence in academic and to channelize students towards a productive professionals track in inter future life.

**Weakness:**

- Large number of students in each class
- Limitations of classrooms
- Lack of departmental room with multimedia facilities for department related work, research, meetings

**FUTURE PLANS:**

- To start post-graduate courses.
- Have a research centre that focuses on business, marketing and finance among other related disciplines.

## Computer Science Department

1. Name of the department: **Computer Science**
2. Year of Establishment: **1995**
3. Names of Programmes / Courses offered  
  
**UG Programme: B. Tech. in computer Science (Four Year Course)**  
  
**(only one batch admitted under FYUP)**
4. Names of Interdisciplinary courses and the departments/units involved:
  - **B. Sc. Life Science**
  - **B. Sc. Physical Science with Computer Science**
  - **B. Sc. Physical Science with Chemistry and B. Sc. (Hons.) Chemistry with Department of Chemistry.**
  - **B. Sc. (Hons.) Zoology with Department of Zoology.**
  - **B. A. (Programme) with Computer Application as Discipline Course with other Departments of Humanities stream.**
  - **B. A. (Programme) with Computer Application as Application Course with other Departments of Humanities stream.**
  - **B. Com. (Hons) with Department of Commerce.**
  - **B. Com. with Department of Commerce.**
5. Annual/ semester/choice based credit system (programme wise) :  
  
**All programmes are running in Semester mode.**
6. Participation of the department in the courses offered by other departments:  
  
**Same as in Point No 4.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc:  
  
**Nil**
8. Details of courses/programmes discontinued (if any) with reasons
  - **On introduction of Four Year Undergraduate Programme (FYUP) by the University in 2013, B. Tech in Computer**

Science was introduced in the college. However it was discontinued because FYUP was rolled back in the year 2014 at the University level.

9. Number of Teaching posts

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	8	4
Assistant Professors		

10. Faculty profile with name, qualification, designation, specialization, (D. Sc./D. Litt./Ph. D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience
Ms Manju Bhardwaj	MCA, Pursuing Ph. D.	Assistant Professor in Associate Professors Grade	Classification Ensembles	19
Dr Veena Ghuriani	Ph. D.	Assistant Professor in Senior Grade	Architectures & Compilers	16
Ms Shikha Badhani	MCA, Pursuing Ph. D.	Assistant Professor	Information Security, Databases	6
Ms Jyotsna Talreja Wassan	M. Sc.	Assistant Professor	Data Mining and Intelligent Systems	6
Ms Rupali Ahuja	M. Phil.	Assistant Professor (Ad-hoc)	Data Base Management System, Aspect Oriented Programming	13
Mr Rajneesh Kumar	M. Tech. (CSE),	Assistant Professor (Ad-hoc)	Mobile computing , Image Processing	7
Ms Mona Adlakha	M. Phil.	Assistant Professor (Ad-hoc)	DBMS, Web Application Security	12



Mr Anjani Kumar Verma	M. Sc.	Assistant Professor (Ad-hoc)	Security aspects in Recommended Systems	3
Ms Vandita Grover	M. Sc.	Assistant Professor (Ad-hoc) (Against leave vacancy July 14'– Sept 14')	Computer Networks	2.5

11. List of senior visiting faculty:

- **Dr Sushila Madan (Associate Professor, Lady Shri Ram college)**
- **Dr Rajanikant Verma (Associate Professor , Zakir Husain Post Graduate Evening College)**

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary(or Ad-hoc) faculty :

**71.8% (B. Tech. in Computer Science)**

13. Student -Teacher Ratio (for B. Tech students) –

**Odd Sem (2014-15) = 12:1**

**Even Sem (2014-15) = 6:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	<b>Sanctioned</b>	<b>Filled</b>
Senior Technical Assistant (Computer)	01	01
MTS (Computer)/ Lab Attendant	****	01

\*\*\*\*Total 30 sanctioned for the departments of Botany, Chemistry, Computer Science, Physics and Zoology

15. Qualifications of teaching faculty with D. Sc./ D. Litt./ Ph. D./ M. Phil. / PG:

**Details provided in point no. 10**

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:

**Publication per faculty in last 4 years = 22/9=2.4**

Faculty	Total Publications	Publications in Last Four Years	ISSN/ISBN
Ms Manju Bhardwaj	6	3	ISSN: 1868-808X ISSN: 2192-6360 ISSN: 2046-1402
Dr Veena Ghuriani	4	4	ISSN: 0976-5697 ISSN: 0976-5697 ISSN: 2229-371X ISSN: 0975-8887
Ms Jyotsna Talreja Wassan	5	3	ISBN: 973-93-80883-63-5 ISSN: 1877-0428 ISBN: 973-93-808837-86-8
Mr Rajneesh Kumar	5	4	ISSN: 2250-1959 ISSN: 2321-9653 ISSN: 2278-9359
Mr Anjani Kumar Verma	3	3	ISSN: 2319-8656 ISSN: 2349-073X
Ms Vandita Grover	5	5	ISSN: 2231-1963 ISSN: 2321-9653 ISSN: 2321-9653 ISSN: 2231-2803 ISSN: 2231-2803

- \* Number of papers published in peer reviewed journals (national / international) by faculty and students

S. No.	Name of the Faculty	Number of papers published in peer reviewed journals (international)	Number of Publications listed in International Database (Eg., Web of Science, Scopus, EBSCO host, etc.)
1.	Ms Manju Bhardwaj	3	3 (Scopus, Google Scholar)
2.	Dr Veena Ghuriani	4	4 (Google Scholar)

3.	Ms Jyotsna Talreja Wassan	3	1 (ScienceDirect, Google Scholar) 2 (Google Scholar)
4.	Mr Rajneesh Kumar	3	1 (Google Scholar)
5.	Mr Anjani Kumar Verma	2	2 (Google Scholar)
6.	Ms Vandita Grover	5	2 (Google Scholar)

S. No.	Name of the Faculty	Number of Chapters	ISSN/ISBN
1.	Ms Shikha Badhani	2 e-lessons	ISSN: 2349-154X
2.	Ms Jyotsna Talreja Wassan	3 (2 e-lessons + 1 Chapter in Encyclopedia)	ISBN: 978-1-4666-5203-3 (eBook) ISBN: 978-1-4666-5205-7 ISSN: 2349-154X ISBN: 978-93-85611-38-4
3.	Ms Rupali Ahuja	2 e-lessons	ISSN: 2349-154X
4.	Ms Mona Adlakha	1 e-lessons	ISSN: 2349-154X ISBN: 978-93-85611-38-4

\* Other academic contributions

S. No.	Name of the Faculty	Details
1.	Ms Shikha Badhani	<ul style="list-style-type: none"> <li>Content Contributor “<b>Information Technology</b>” Foundation Course, University Press, ISBN - 9788173719004</li> <li>Author of e-quizzes uploaded on the ILL portal (ISSN 2349-154X) on topics - <b>Recursion, Searching &amp; Sorting Techniques.</b></li> </ul>

2.	Ms Jyotsna Talreja Wassan	Author of e-quizzes uploaded on the ILLL portal (ISSN 2349-154X) on topics - <b>Asymptotic Notations, C++ (basic of programs, data types, variables, type conversions, operators, enums, structures, unions, function overloading, operator overloading).</b>
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**All the faculty members have been actively involved in the following activities related to B. Tech Computer Science, B. Sc. Physical Science with Computer Science, B. A. (Prog.) Discipline course and Application course:**

- **Designing of course curriculum and guidelines.**
  - **Paper setting**
  - **Conducting Practical examinations as internal as well as external examiners**
20. Areas of consultancy and income generated – **Nil**
21. Faculty as members in National committees b) International Committees c) Editorial Boards- **Nil**
22. Student projects
- Percentage of students who have done in-house projects including inter departmental/programme - **Nil**
  - Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies - **B. Tech. students %age = 51%**
23. Awards / Recognitions received by faculty and students –
- a) Faculty Awards:**
- Ms Rupali Ahuja** – ‘Best paper Award’ for paper titled ‘Aspect Oriented Programming: A Programming Paradigm’ presented and published in the proceedings of the ‘National Conference of Information Technology (NCIT’07)’ held at New Delhi, India in Aug-Sep 2007
- b) Students Awards:**
- Shweta Verma** received a certificate from Maitreyi College for securing highest marks in I and II semester of B. Tech in Computer Science.
24. List of eminent academicians and scientists / visitors to the department:

<b>Name of the visiting Faculty</b>	<b>Affiliation</b>	<b>Topic</b>	<b>Year</b>
Dr Anita Goel	Associate Professor, Dayal Singh College	Cloud Computing	March 2012 and Jan 2014
Prof. Vasudha Bhatnagar	Deptt. of Computer Science, University of Delhi	Big Data	October 2014
Mr Vikas Jain	Founder, Adhyan Innovative Learning	Career counselling with the students of B. Tech in Computer Science	October 2014

25. Seminars/ Conferences/Workshops organized & the source of funding:

- National - Nil
- International – Nil

26. Student profile programme/course wise:

<b>Name of the Course/ programme</b>	<b>Applications received</b>	<b>Selected</b>	<b>Enrolled</b>		<b>Pass percentage</b>
			<b>*M</b>	<b>*F</b>	
B. Tech. in Computer Science	17165	41	--	37	100

\*M = Male \*F = Female

27. Diversity of Students

<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
B. Tech. in Computer Science	54.1	45.9	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense

services, etc.?

**No Data Available**

29. Student progression

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M. Phil.	
PG to Ph. D.	
Ph. D. to Post-Doctoral	
<b>Employed</b> <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- Library – The college library contains a number of books related to Computer Science and is used by the faculty as well as the students.
- Internet facilities for Staff & Students - Every department is a part of centralized LAN besides having their own departmental network. The entire campus is Wi-Fi enabled. Students and faculty have been provided User ID & password for Internet access through their devices (Mobile, Laptops etc.). The College is a part of NKN's fibre optic Gigabit Network through University of Delhi with present Internet speed of 100 Mbps scalable to 1 Gbps. Students and faculty members also avail computing & internet facility within the departmental labs.
- Class rooms with ICT facility – Classrooms are used from the common pool.
- Laboratories – Department of Computer Science has 4 computer labs equipped with 99 PCs, 6 Laptops, 2 Apple iMACs and 3 workstations. Each lab has a UPS the power backup and is equipped with a projector.

There are 14 printers, 2 scanners, 2 servers and one smart board.

31. Number of students receiving financial assistance from college, university, government or other agencies: **02 (2014-15)**
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

- Dr Anita Goel (Associate Professor, Dayal Singh College) was invited to give a talk on ‘Cloud Computing’ in March 2012 and Jan 2014.
- The students of B. Tech. were taken to IIT, Delhi in March 2014. The aim was to give them exposure to the type of research work being done.
- The students also attended the workshop on Android App Development held at IIT Delhi in March 2014.
- A special lecture on ‘Big Data’ was organized in October 2014, delivered by Prof. Vasudha Bhatnagar (Deptt. Of Computer Science, University of Delhi).
- Mr Vikas Jain (Founder, Adhyan Innovative Learning) did career counselling with the students of B. Tech in Computer Science in October 2014.
- The students of B. Tech in Computer Science organized an intra-college festival in 2014 and inter-college festival in 2015 in which various technical and non-technical events were organized.
- A Short Term Course on ‘Web Designing’ was offered by our college during the year 2011 and 2012 in which external experts in the domain of web development were invited to deliver lectures.
- Three Teachers from our department, namely, Dr Veena Ghuriani, Ms Shikha Badhani and Ms Jyotsna Talreja Wassan participated in the e-Yantra Robotics Teacher competition 2013.

33. Teaching methods adopted to improve student learning:

- Our distinguished and academically sound faculty adopts creative, innovative and student-centered teaching methods to impart quality education to our students.
- The teaching methods involved are usually enquiry based which involves developing critical thinking skills in students to arrive at a conclusion.
- Group discussions are held, formal assessments are also done by giving and evaluating assignments and tests. These assessments give an idea of the previous instruction that the students have received as well as their academic level.
- Power-point Presentation are also used for selected topics.
- Informal feedback from students is taken to improve the teaching methodology if required.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Discouraging the use of paper and using soft e-copies instead for sharing and maintaining academic documents such as assignments, practical workbooks, reports wherever applicable.
- Reusing one-sided printed sheets .

- Students of B. Tech initiated the drive for utilizing e-waste for creating various commodities during the college festival (Antardhvani, Code Canyon etc).

35. SWOC analysis of the department and Future plans

**Strengths:**

- Dedicated faculty and highly efficient support staff and talented students.
- Providing technical support to entire college.
- Computers with Internet Connectivity.
- The performance of the students of B. Tech in Computer Science has been outstanding.
- Computer labs upgraded to latest softwares.
- Labs equipped with latest ICT facilities such as projectors and smart boards.

**Weaknesses:**

- Need to improve Research and Development work.
- Need to involve students in research projects.

**Opportunities:**

- Creating new industry links for placements.
- Summer trainings, on-site projects during summer breaks to give students more exposure.
- Exploring interdisciplinary arenas.

**Challenges:**

- Filling up the vacant posts of the faculty and non-teaching staff.
- Reorienting departmental activities for upgradation.

**Future Plans:**

- To organize more workshops and seminars for the Students.
- To enhance research activities.
- To have more inter-disciplinary collaborations.



## Economics Department

1. Name of the department: **Economics**
2. Year of Establishment: **1967**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

### **Undergraduate – B. A. (Hons) Economics (six semester mode)**

4. Names of Interdisciplinary courses and the departments/units involved:

Economics is offered as one paper / subject (main/allied) to the students of the following departments:

S. No.	Course	Department
1	B. Com. (Hons)	All Economics main papers
2	B. A. Prog.	Concurrent and allied

5. Annual/ semester/choice based credit system (programme wise):

**All Programmes are running in Semester mode.**

6. Participation of the department in the courses offered by other departments: **Same as in Point No 4**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued (if any) with reasons:
  - **B.Sc. Physics Hons. main paper Economics discontinued because of the introduction of FYUP by the University in the year 2013. FYUP was discontinued by the University in the year 2014.**

9. Number of Teaching posts:

	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	11	4 (by promotion)
Assistant Professors		2

10. Faculty profile with name, qualification, designation, specialization, (D.

Sc./D. Litt. /Ph. D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	Experience (yrs)
Dr Adarsh Arora	Ph. D.	Associate Professor	Indian -Economy	41
Ms Rachna Jain	M. Phil.	Associate Professor	Indian Economy	26
Ms Aruna Saluja	M. Phil.	Associate Professor	Indian Economy	27
Ms Nidhi Chand	M. Phil.	Associate Professor	Econometrics Micro	21
Dr Saroj Rani	M. Phil., Ph. D.	Assistant Professor	International Economics, Globalisation	7
Ms Priti Mendiratta	M. Phil.	Assistant Professor	Indian Economy	9
Ms Manya Gupta	M. Sc.	Assistant Professor (Ad-hoc)	Economics	1
Ms Antima Jain	M. A.	Assistant Professor (Ad-hoc)	Economics	1.5
Ms Artika Vats	M. A.	Assistant Professor (Ad-hoc)	Economics	2
Ms Farida	M. Phil.	Assistant Professor (Ad-hoc)	Indian Economy	2
Ms Devangna Jha	M. Phil.	Assistant Professor (Ad-hoc)	Statistics	1

11. List of senior visiting faculty:

**Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

**Total Lectures and Tutorials = 242 /12 = 20%**

13. Student -Teacher Ratio (programme wise) (Economics Hons):

**22.54:1 (248/11)**

14. Number of academic support staff (technical) and administrative staff;

sanctioned and filled:

**Nil**

15. Qualifications of teaching faculty with D. Sc./ D. Litt/ Ph. D./ M. Phil. / PG.:

**Details provided in point no. 10.**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **One**

**One project from Indian Council of Social Science Research (Ten Lacs) - Dr Saroj Rani**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

**Same as in Point No. 16**

18. Research Centre /facility recognized by the University:

**Nil**

19. Publications:

a) Publication per faculty (last four years) = **28/11 = 2.54**

Faculty	Total Number of Publications	Publications in last four years	ISSN/ISBN
Dr Saroj Rani	8	8	ISSN:2348-4152 ISSN: 2277-7768 ISSN:0972-7612
Ms Priti Mendiratta	2	2	ISSN: 0976-7479 ISSN: 2231-1734
Ms Farida Jalal	5	5	ISSN: 2277-9809 ISSN: 2319-9209 ISSN: 2277-9809 ISSN: 348-0076
Ms Antima	4	4	ISSN: 2348-4152
Ms Artika Vats	4	4	ISSN: 42875/84 ISSN: 949/57 ISSN: 2009/30665 ISSN: 2347-7598
Ms Akansha	2	2	ISSN: 2278-0211
Ms Devangna Jha	3	3	ISSN: 2348-4993

Faculty	Book Chapters	ISBN	Books	ISBN	News paper Article
Dr Saroj Rani	4+1 e-lesson	ISBN: 978-93-82062-99-8 ISBN: 978-93-82974-21-5 ISBN: 978-93-84869-53-3; 978-81-89463-52-6	2	ISBN: 978-81-7835-731-7 ISBN: 978-81-225-0703-4	--
Ms Priti Mendiratta	3 + 2 e-lesson	ISBN: 978-9937-2-6081-7	--	--	--
Ms Artika Vats	10 e-lesson	--	1	ISBN: 978-81-7199-765-7	3

20. Areas of consultancy and income generated:

**ICCSR (Dr Saroj Rani) – 7.5% OF 10 LACS**

21. Faculty as members in a) National committee b) International Committee

Faculty	Society
Dr Saroj Rani	1. Life Members of Indian Econometric Society 2. Teacher's pride since March 2015 (Advisory board Member) 3. Bheem Patrika since 2013 (Advisory board Member)
Ms Nidhi Chand	Life Member of Indian Econometric Society
Ms Priti Mendiratta	Life Member of Indian Econometric Society

22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme: **NA**
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

- 1. 30 Students are part of international non-profit organization ENACTUS.**
- 2. Project UNNAYAN in collaboration with Love Care Foundation (NGO).**

23. Awards / Recognitions received by faculty and students:

**Dr. Saroj Rani: Rajiv Gandhi National Fellowship AWARD (2005-2007)**

24. List of eminent academicians and scientists / visitors to the department

Name of the visiting faculty	Affiliation	Topic	Year
Prof. Ram Singh	Delhi School of Economics	Public Private Partnership	Feb 2010-11
Prof. Chetan Ghatke	ISI Delhi	-	Feb 2011-12
Prof. Pumi Dua	Delhi School of Economics	India-Link Macroeconometrics Model: Forecasts	March 2012-13
Prof. Arun Kumar	JNU	On Back Economy	2013-14
Prof. Shri Prakash	BIMTEECH	On Input output relationship: Growth and Development	2014-15

25. Seminars/ Conferences/Workshops organized & the source of funding a) National b)International

**Same as in Point No. 24**

26. Student profile programme/course wise:

Name of the Course/ programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A. (Hons) Economics	No information received from University	133	--	133	100

\*M = Male \*F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A. (Hons) Economics	51.87	48.12	0.75

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S. No.	Name	Batch	Exam Cleared	Year
1.	Sakshi Mittal	2008	Civil Services	Presently working in Andaman Nicobar
2.	Suchi Goel	2010	JRF	-
3.	Sonika	2010	NET	Working in Delhi university
4.	Anuradha	2010	NET	-
5.	Gauri	2011	NET	-
6.	Kanika Chand	2010	NET	-

29. Student progression:

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M. Phil.	
PG to Ph. D.	
Ph. D. to Post – Doctoral	
Employed	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self – employment	

30. Details of Infrastructural facilities

- a) **Library:** College has a rich collection of economics books covering the entire syllabus which are constantly being updated with latest publications. Apart from books on economics, the library also has a rich variety of journals and government publications related with economics.
- b) **Internet facilities for Staff & Students:** Internet facilities are available for both students and staff Under FYUP each student has been provided with a laptop which is Wi-Fi enabled.

c) **Class rooms with ICT:** The classrooms are equipped with ICT facility.

31. Number of students receiving financial assistance from college, university, government or other agencies:

**Two students from B.A (Hons) Economics received financial assistance in the first year for session 2013-14 from the college.**

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:

**Details provided in point no. 24**

33. Teaching methods adopted to improve student learning

**Apart from lectures and discussions students are given projects and assignments. At times, quizzes are held and question banks are provided to ensure a complete and wholesome learning process. Tutorials are held regularly to enhance learning of the students through direct contact. Use of mobile and internet applications like Gmail and google groups to create and better communication links with students. Field trips are organized to make learning interesting. Most importantly teaching through power point presentations, observations and research based case study by students which is contributed in published book.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

**Students under the scheme of NSS are actively associated in different projects with the weaker section of the society. They take up projects with blind relief associations, hospitals, teaching deprived students, through NGOs etc.**

35. SWOC (Strength – Weakness – Opportunities – Challenges) analysis of the department and Future plans

- Classes are held regularly.
- Students are enthused into learning economics.
- Teachers are accessible to students for academic and emotional support.
- Equipped with the knowledge of theory, statistics and mathematics students are encouraged to evaluate the present policies of Indian government and other international policies. This is the ultimate test of knowledge.

**Future Plans:**

To emphasize qualitative and quantitative analytical process by making it career oriented through counselling of students. To motivate the young minds for innovative research, the department plans frequent visits and interactive sessions for students to JNU, ISI etc.



## English Department

1. Name of the Department: **English**
2. Year of Establishment: **1967**
3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

### **Undergraduate, B. A. (Hons) English**

4. Names of Interdisciplinary courses and the departments/units involved: All courses study English

- **B. Sc. (Honours ) and B. Sc. (Programme)**
- **B. Com (Honours) and B. Com (Programme)**
- **B. A. (Programme)**
- **B. A. (Honours)**

5. Annual/ semester/choice based credit system (programme wise):

**All courses are functioning in the Semester mode.**

6. Participation of the department in the courses offered by other departments:  
**Same as in Point No. 4.**

7. Courses in collaboration with other universities, industries, foreign institutions: **Nil**

8. Details of courses/programmes discontinued (if any) with reasons:

**FYUP was discontinued by the University in the year 2014.**

9. Number of teaching posts:

	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	11	3 (by promotion)
Assistant Professors		5

10. Faculty profile with name, qualification, designation, specialization,  
(D. Sc./D. Litt. /Ph. D. / M. Phil. etc.,)

<b>Faculty</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>
Dr Shanta Dutta Roy	Ph. D.	Associate Professor	Modern British Poetry	41
Ms Anju Narain	M. A.	Associate Professor	Indian English Literature	41
Ms Rashmi Verma	M. Phil.	Associate Professor	Indian Literature	41
Ms Smriti Singh	M. Phil., Ph. D. (Pursuing)	Assistant Professor	Indian Classical Literature, Postcolonial Literature	8
Ms Tianla	M. Phil., Ph. D. (Pursuing)	Assistant Professor	Travel Writing	7
Ms Rachna	M. Phil.	Assistant Professor	Nineteenth Century Literature	6.5
Dr Monica Chhabra	Ph. D.	Assistant Professor	American Drama	12
Ms Manisha Saluja	M. Phil.	Assistant Professor	Women's studies, Indian English Writing	8
Ms Richa Chilana	M. Phil., Ph. D. (Pursuing)	Assistant Professor (Ad-hoc)	Women's Studies, Postcolonial Literature, Indian Writing in English	4
Ms Amrita Ajay	M. Phil.	Assistant Professor (Ad-hoc)	Postcolonial Literature, Indian English Writing, Language Politics, Popular Culture	3.4

Dr Manish Sharma	Ph. D., M. Phil.	Assistant Professor (Ad-hoc)	Ontology/ Metaphysics, Heidegger Phenomenology	15
Dr Shivranjini Singh	Ph. D.	Assistant Professor (Ad-hoc)	Indian Drama in English, English Language Teaching	7.5
Ms Somrita Ganguly	M. Phil.	Assistant Professor (Ad-hoc)	Gender Studies, Body Politics, Embodiment Literature, Sports Fiction	7 months

## 11. List of senior visiting faculty:

Faculty	Visit	Affiliation
Ms Urvi Puri	Feb 2009 to March 2009	Retired Teacher, Maitreyi College
Ms Amla Gandhi	Nov- Dec 2011, Jan-April 2012	Retired Teacher, Maitreyi College
Ms Nilima Mehra	Oct–Nov 2014	Retired Teacher, Maitreyi College

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **50%**

13. Student -Teacher Ratio (programme wise):

**B. A. (Hons) English – 12:1 (156/13)**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

**Nil**

15. Qualifications of teaching faculty with D. Sc./ D. Litt./ Ph.D./ M. Phil. / PG.:

**Details provided in point no. 10.**

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:

**Publications per faculty = Total number of Publications of all faculty/Total number of Faculty = 08/13 = 0.61**

Faculty	Total no. of publication	Total no. of publications (Last 4 years)	ISSN
Ms Tianla	1	1	ISSN: 2278-9642
Ms Richa Chilana	3	3	ISSN: 2229-6557 ISSN: 0973-5410 ISSN: 2229-6557
Dr Shivranjani Singh	2	2	ISSN: 0975-4091 ISSN: 0976-3686
Ms Somrita Ganguly	2	2	ISSN: 0975-1815 ISSN: 2347-3681

Faculty	Articles (Newspapers, Online Portals)	Books	ISBN/ISSN No	Chapter in Books	ISBN/ISSN No
Ms Manisha Saluja	--	--	--	1	ISBN: 978-93-83252-66-4-83252
Ms Amrita Ajay	--	--	--	1	ISBN: 978-93-80607-97-9
Dr Manish Sharma	1	2	81-7024-739-X 81-86651-29-2	1	ISBN: 978-93-80525-16-7
Ms Somrita Ganguly	2	--	--	1	ISBN: 13 9788192996 301

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in a) National committees, b) International Committees, c) Editorial Boards

Faculty	Member
Ms Amrita Ajay	Assistant Editor of <i>Coldnoon: Travel Poetics</i> , an international journal of travel writing; 2012 to present.
Dr Manish Sharma	Founder Member of Indian Division of Schopenhauer

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental /programme: **Nil**

b) Percentage 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:

Student	Awards/Recognition
Srishti Chaudhary	<ol style="list-style-type: none"> <li>1. Bronze medal in Senior National Netball Championship- March, 2015</li> <li>2. Bronze medal in LSR invitational Basketball tournament-March, 2015</li> <li>3. Received a silver medal in inter-college netball-Feb, 2015</li> <li>4. Selected to represent the University Team in All India University Tournament-Feb, 2015</li> <li>5. Part of the State team (U.P) for National Games, Jan 2015</li> <li>6. Bronze medal in IMG Reliance inter-college tournament-December 2014</li> </ol>
Ms Radhika Sharma	Was one among the top 50 performers in a writing competition held by Rama Krishnan Mission
Ms Kanupriya Dhingra	Presented 6 papers in various seminars and conferences
Ms Anuja Bhardwajan	Use to write for a magazine 'Vibrant Echoes'

24. List of eminent academicians and scientists / visitors to the department:

Name of the visiting faculty	Topic	Affiliation

Dr Bodhisattva Chattopadhyay	Genre and the Popular	University of Oslo
Mr Paresh Chandra	The Exception that was the Rule: Batman, Crime and the Metropolis	Hindu College, University of Delhi
Dr Dhananjay Singh	Shaiva Mysticism and Rasa Aesthetics	JNU
Dr Arup Chatterjee	Mysticism in Islam and the Western Canon	Shivaji College, DU
Dr Santosh Bharti	( Canadian Indigenous Literature and the Trickster Paradigm	Delhi College of Arts and Commerce, DU
Dr Bodhisattva Chattopadhyay	Genre and the Popular	Ramjas College, DU
Dr Paresh Chandra	The Exception that was the Rule: Batman, Crime and the Metropolis	Hindu College, DU
Prof. G. J. V. Prasad	Dramatizing the Stasis	JNU
Dr Sanjay Kumar	Contextualizing Body, Constructing Meaning: Brechtian Gestus and Theatre of Revolt	Hansraj College, DU
Ms Swati Pal	Language in Agit Prop	Janki Devi Memorial College, DU

## 25. Seminars/ Conferences/Workshops organized &amp; the source of funding:

<b>Year</b>	<b>Paper/Seminar/Workshop/Conference/Symposium</b>	<b>Theme</b>	<b>Funding Agency</b>
2015	Symposium	Mysticism in Literature	Maitreyi College
2014	Symposium	Peeping into the Popular	Maitreyi College
2014	Film making Workshop	Peeping into the Popular	Maitreyi College
2012	Symposium	The Absurd, the Agit and the Prop: Poetics,	Maitreyi College

		Politics and Performance	
2012	Theatre workshop	The Absurd, the Agit and the Prop: Poetics, Politics and Performance	Maitreyi College

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage (2013-14)
			*M	*F	
B. A. (Hons) English	No data provided by University	60	--	60	100

\*M = Male \*F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. A. (Hons) English	56.66	43.33	1.66

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

No Data Available

29. Student progression: **Data not available**

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M. Phil.	
PG to Ph. D.	
Ph. D. to Post-Doctoral	
<b>Employed</b>	
• Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

## 30. Details of Infrastructural facilities

**a) Library:** College library has a rich collection of books and journals covering the entire syllabus which are constantly being updated with latest publications

**b) Internet facilities:** are available to both students and staff. Each student has been provided with a Laptop which is wi-fi enabled.

**c) Class rooms with ICT facility:** Classrooms are used from the common pool.

31. Number of students receiving financial assistance from college, university, government or other agencies:

**One student from B. A. (Hons) English received financial assistance in the second year for session 2013-14 from the college.**

32. Details on student enrichment programmes (special lectures / workshops

/seminar) with external experts: **Details provided in point no. 24**

33. Teaching methods adopted to improve student learning

- Multi-pronged approach in the classroom to encourage class participation.
- Extra classes for those who need special assistance.
- Becoming bilingual in class to integrate even the weakest students and sometimes taking their presentations in smaller groups to make them feel more comfortable and confident.
- Informal counseling sessions/mentoring of students outside the classroom
- Guidance regarding preparations for M. A. entrance examination and NET.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities-

Faculty	Activities
Ms Smriti Singh	<ol style="list-style-type: none"><li>1. Has been working with Blind Relief Association since her college days in 2004. She works for the placements of blind students.</li><li>2. She is also working with an NGO dealing with street children- Working for their health and immunization programme.</li><li>3. She is associated with Missionaries of Charity, Delhi branch at Karkadooma for orphan children. Was involved in fund raising programmes and counselling.</li></ol>



	<p>4. Associated with ‘Sarthak Trust’ – working with their training programme and placement with corporate organizations.</p> <p>5. Works with Indian Red Cross – as part of their Fund Raising program, she organized a Diwali Mela in college in 2008.</p>
Ms Amrita Ajay	Used to volunteer with NGO’s like Frenديوoes (Society for the protection of Animals) and Naaz Foundation in East of Kailash (Society for the care of HIV + children).

Student	Activities
Ms Utkrishti Taneja	Worked for 3 months in 2014 with a French NGO MSF (Medicines Sans Frontier, India).
Ms Pankuri Kapoor	Has been working for an NGO called MAD (Make a Difference).
Ms Swati Dutta	Was associated with Times of India’s ‘Each 1 Teach 1’ project.
Ms Eveleen Kaur	Is associated with Smilyo.
Ms Megha Sati	Has contributed several articles for ‘Vibrant Echoes’
Ms Sanya Khan	Her poems have been published in various Newspapers.
Ms Anuja Bhardwajan	Successfully completed internship in Context writing with Cosmic Bites. Worked with NDTV for the Assembly elections held in March 2012. Contributed articles for ‘Vibrant Echoes’. Photographs taken by her were featured on IG Delhi and Lens Eye.
Ms Kanupriya Dhingra	Has presented papers at various seminars and conferences (Kirori Mal College, LSR, TISS, JMC) Also contributed to the blog of the Jaipur Literature Festival (2015)

35. **SWOC (Strength – Weakness – Opportunities – Challenges)** analysis of the department and Future plans

#### **Strengths**

- Faculty members with a wide range of experience and expertise.
- Bright and receptive students widen the scope for explorations of textual issues manifold.
- Variety and diversity of the curriculum which allows bridging of social/ cultural chasms.

- English section of the college library, online journals and magazines are a rich source of information.

### **Weaknesses**

- Space constraint restricts much of the department's plans and activities.

### **Opportunities**

- With the advancement in technology and supplements of cultural studies there is scope for interdisciplinary studies.
- Using various analytical and theoretical tools to engage with the larger social, cultural and political setup.
- Hone the creative and literary skills of our students through various events and activities organized by DHITI – English Literary Association.

### **Challenges**

- To evolve a system to analyze student performance and progress.
- Finding a viable mentoring method to fit into an already rigorous syllabus.
- Coping with bi/multilingual classroom sessions and reconciling literary analysis with language proficiency.

### **Future Plans**

- Organize seminars/conferences/workshops.
- Expand the resources in the college library and have a separate department library.
- Interactive sessions with our alumni to provide them guidance for career choices to students.

## **Hindi Department**

1. Name of the Department : **Hindi Department**
2. Year of Establishment : **1967**
3. Names of Programmes/Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.) :

### **Under Graduate – B. A. (Hons) Hindi (6 Semester)**

4. Names of interdisciplinary courses and the departments/units involved:

- **B. Com. (Prog.), B. Com. (Hons)**
- **B. A. (Prog.)**
- **B. A.(Hons) History**
- **B. A. (Hons) Political Science**
- **B. A. (Hons) English**
- **B. A. (Hons) Economics**
- **B. A. (Hons) Sanskrit**
- **B. Sc. (Hons) Sociology**
- **B. Sc. (Hons) Maths**

5. Annual/semester/choice based credit system (programme wise):

**All courses are based on semester system.**

6. Participation of the department in the courses offered by other departments:

**Same as Point no. 4.**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

**Nil**

8. Details of courses/programmes discontinued (If any) with reasons :

**FYUP discontinued by the University with effect from 2014**

9. Number of Teaching posts

	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	13	5 (by promotion)
Assistant Professors		NIL

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr Sarla Chaudhary	Ph. D.	Associate Professor	Kavya	43
Dr Yamini Gautam	Ph. D., D. LITT.	Associate Professor	Kavya	42
Dr Sneh Gupta	Ph. D.	Associate Professor	Kavya	42
Dr Mohini Bhanushali	Ph. D.	Associate Professor	Natak	41
Dr Usha R. Jain	Ph. D.	Associate Professor	Kavya	42
Dr Mamta Dhawan	M. Phil., Ph. D.	Assistant Professor (Ad-hoc)	Natak	4
Dr Sneh Lata	M. Phil., Ph. D.	Assistant Professor (Ad-hoc)	Kavya	4
Dr Seema Maheshwari	M. Phil., Ph. D.	Assistant Professor (Ad-hoc)	Media	8
Dr Geeta Sharma Panday	M. Phil., Ph. D.	Assistant Professor (Ad-hoc)	Natak	1
Dr Pooja Khorwal	M. Phil., Ph. D.	Assistant Professor (Ad-hoc)	Kavya	6
Dr Arvinder Kaur	Ph. D.	Assistant Professor (Ad-hoc)	Kavya	5
Mr Reeta	M. Phil., Ph. D. Submitted	Assistant Professor (Ad-hoc)	Katha Sahitya	4
Dr Anita Devi	M. Phil., Ph. D.	Assistant Professor (Ad-hoc)	Natak	7

## 11. List of senior visiting faculty:

S. No.	Name	Affiliation
1.	Prof. Ramesh Gautam	Director Of ILLL (DU)
2.	Dr Virender Bhardwaj	Shivaji College (DU)

3.	Dr Dwivedi Anand Prakash Sharma	DCAC College (DU)
4.	Dr Harsh Bala	I.P. College (DU)
5.	Dr Lakshmi Shankar Vaajapeyi	Station Director, Aakashvani, Delhi
6.	Morrian Groober/Amrit Mehata	German Writer , Translator

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

**66%**

13. Student-Teacher Ratio (programme wise): **11:1(148/13)**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

**Nil**

15. Qualifications of teaching faculty with D. Sc./ D. Litt./ Ph. D./ M. Phil./ PG :

**Same as in point no. 10.**

16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received

**Data not available**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR etc. and total grants received:

Name	Funding Agency	Project Name/Title	Year	Grant Received (Rs.)
Dr Yamini Gautam	UGC	'Krishan Bhakti Kavya Aur Lila Darshan'	2010	7, 50,000/- approx.

18. Research Centre /facility recognized by the University: **Nil**

19. Publications: Overall: 7.6

a) Publication per faculty (last four years): **26/13 = 2**

b) Number of papers published in peer reviewed Journals national/international) by faculty and students:

S. No.	Faculty	Total no. of Publications	Publications in Last four years	ISSN/ISBN
1.	Dr Yamini Gautam	6	-	-
2.	Dr Sarla Choudhary	6	1	ISBN: 978-93-82662-25-9
3.	Dr Sneh Lata	4	4	ISSN:2249-6114 ISSN: 0976-9358 ISSN: 2249-6114
4.	Dr Puja Khorwal	4	4	ISSN: 23484209
5.	Dr Arvinder Kaur	5	5	ISSN: 2247-6114 ISSN: 2247-6114 ISSN: 0976-9358
6.	Dr Geeta Sharma Pandey	2	2	ISSN: 2349-154x
7.	Ms Reeta	4	4	ISSN: 0974-2832 ISSN: 2347-8667 ISSN: 22476114 ISSN: 0976-9358
8.	Dr Anita Devi	6	6	ISSN: 2348-0459 ISSN: 2348-0459 ISSN: 2277-5897 ISSN:2231-3885 ISSN:2349-154x

**Chapter in Books:**

Faculty	Books	ISBN	Chapter in Book	ISBN	Book Edited/ Review	ISBN
Dr Anita Devi	1	ISBN:978-93-83513-11-6	4	ISBN: 978-93-80044-181-1 ISBN: 978-93-92387-19-1 ISBN: 978-93-81997-7; ISBN: 978-93-	4	ISBN: 978-93-83513-22-2 ISBN:978-93-83513-58-1 ISBN: 978-93-83513-59-8 ISBN:978-93-83513-60-4(SAMPURN SET)

				83629-11-1		
Dr Mamta Dhawan	2	ISBN: 978-93-81582-41-1; ISBN978-93-81350-80-5	3	978-81-85999-99-9; 978-81-85999-99-9; 978-93-81582-42-8	--	--
Ms Geeta Sharma Pandey	2	ISBN: 978-81-7453-42-1-7 ISBN: 978-81-7453-42-3-1	--	--	1	ISBN:978-81-7453-42-2-4
Ms Reeta	1	ISBN: 978-93-81615-35-5	--	--	--	--
Dr Pooja Khorwal	1	ISBN: 978-81-8135-0828-4	--	--	2	ISBN: 2348-4209 ISBN: 2230-8997

### Other Publications

Faculty	Poems/Story/Others	Magazine	Detail
Dr Anita Devi	3 Poems, 2 Story, 1 article	Sahardya Magazine	Page No. 98 ,90, 45, 63, 64, 76
Dr Mamta Dhavan	1 Poem, 5 Article	Tahalka, Jansatta	Page. No 90

20. Areas of consultancy and income generated: **Nil**
21. Faculty as members in :
  - a) National committees b)International Committees c)Editorial Boards: **Nil**
22. Student projects: **Nil**
23. Awards/Recognitions received by faculty and students : **Nil**
24. List of eminent academicians and scientists/visitors to the department

**Same as in Point no. 11.**

25. Seminars/Conferences/Workshops organized & the source of funding:

S.N.	Seminars/Conferences /Workshops	Topic	Date	Funding
1.	Haasya Kavi Sammelan	Haasya Kavi Sammelan	2010-11	Maitreyi College
2.	Seminar	Media Me Kariyar KI Sambhavana'	2011-12	Maitreyi College
3.	One Day National Workshop	FYUP & Hindi Discipline	15 October, 2013	Maitreyi College
4.	Seminar	Translation of the famous book titled 'Ek Joker Ki Yaaden'	February, 2013	Maitreyi College

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. A. (Hons) Hindi	No information received from University	44	-	44	100

\*M = Male \*F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. A. (Hons) Hindi	72.72	27.27	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: **5 (Appointed in Delhi University)**

29. Student progression



Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M. Phil.	
PG to Ph. D.	
Ph. D.to Post-Doctoral	
<b>Employed</b>	
• Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities:

- a) **Library:** The college library has a vast collection of Hindi books covering the entire syllabi.
- b) **Internet facilities for Staff & Students:** Every department is a part of centralized LAN besides having their own departmental network. The entire campus is Wi-Fi enabled. Students and faculty have been provided User ID & password for Internet access through their devices (Mobile, Laptops etc.).
- c) **Classrooms with ICT facility:** Two rooms with ICT facility
- d) **Laboratories :** Nil

31. Number of students receiving financial assistance from college, University, government or other agencies: **Data Not Available**

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts: **Same as in Point no. 25**

33. Teaching methods adopted to improve student learning :

We are following the given teaching methods:

- Arranging seminars/ workshops
- The cordial behaviour with students
- Group discussion, and class test in the tutorial lecture
- Antyakshari,
- Literature questionnere
- Play competition,
- Essay competition for creative writing and poetry competition etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

**Data Not Available**

35. SWOC analysis of the department and Future plans

**Strength:**

- Better result of the students
- Harmonious relationship between all departments
- Qualified, hard-working and experienced teachers, interested in research
- Well equipped library

**Weakness:**

- Medium of all subjects at school and college level is English. Thus, it is very difficult for students to understand Hindi language.
- Lack of practice room for educational and cultural activities.
- Teachers need to learn new technology.
- No compatibility of Hindi language with electronic devices.

**Opportunities:**

- Updating ourselves according to the changes in education system and course structure
- Increasing the importance of Hindi for better prospects in jobs at the national level

**Future Plan:**

- To organize international seminar/workshop
- To involve students in the project works
- Magazine publishing

## History Department

1. Name of the Department: **History Department**
2. Year of Establishment: **1967**
3. Names of Programs/Courses offered (UG ,PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D. etc.):  
**UG: B. A. (Hons) History (6 semester)**
4. Names of Interdisciplinary courses and the departments/units involved:  
English, Hindi, Political Science, Economics
  - **B. A. (Prog.) ( six semester course)**
    - With department of English, Hindi, Economics, Political Science, Sociology.
  - **Concurrent course**
    - With department of English, sociology and political science.
5. Annual/semester/choice based credit system (programme wise)  
**All Programmes are running in Semester mode.**
6. Participation of the department in the courses offered by other departments  
**Same as in Point No 4.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**
8. Details of courses/programmes discontinued with reasons:  
**FYUP was discontinued by the university in the year 2014.**
9. Number of teaching posts

	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	11	3 – Permanent 1 – On lien to JNU
Assistant Professors		Nil

10. Faculty profile with name, qualification, designation, specialization, (D. Sc./D. Litt./Ph. D./M. Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr Ranjana Bhattacharya	M. Phil., Ph. D.	Associate Professor	Ancient Indian	27
Ms Kanti Arora	M. Phil.	Associate Professor	Modern Indian	30
Dr Ritu Chahal Kumar	M. Phil., Ph. D.	Associate Professor	Medieval Indian History	27
Dr Lata Singh	Ph. D.	Associate Professor (On lien to JNU)	Modern Indian History	3 (UG level) 2 (PG level)
Ms Aali Kumar	M. Phil. Pursuing Ph. D.	Assistant Professor (Ad-hoc)	Modern Indian History	1.5
Mr N. R. Levin	M. Phil., Pursuing Ph. D.	Assistant Professor (Ad-hoc)	Modern Indian History	1.5
Dr Parul Gaur	Ph.D.	Assistant Professor (Ad-hoc)	Medieval Indian History	5.5
Mr Vikram Singh Chaudhry	M. Phil.	Assistant Professor (Ad-hoc)till Feb 2015	Ancient India History	3.5
Dr Pallavi Chakravarty Ghosal	M. Phil.	Assistant Professor (Ad-hoc)	Modern Indian History	2.5
Ms Priyanka Nirupam	Ph. D., Pursuing M. Phil.	Assistant Professor (Ad-hoc)	Ancient Indian History	1
Ms Kouser Fatima	M. Phil.	Assistant Professor (Ad-hoc)	Medieval Indian History	9 months

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty:

**B. A. (Hons) - 55%**

**B. A. (Prog.) -100%**

13. Student–Teacher Ratio (programme-wise):

**B. A. (Hons) = 14:1 = (154/11)**

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled: **Nil**
15. Qualifications of teaching faculty with D. Sc./D. Litt. /Ph. D. /M. Phil. /PG:

**Details provided in point no. 10.**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grant received: **Nil**
17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR etc. and total grant received: **Nil**
18. Research centre/facility recognised by the university: **Nil**
19. Publications:

Publication per faculty in last four years = **20/11 =1.81**

Name of the Faculty	Total no. of publications	No. of publications in last four years	ISSN
Dr Ranjana Bhattacharya	4	--	--
Dr Kanti Arora	1	--	--
Dr Ritu Chahal Kumar	3	--	--
Dr Lata Singh	31	7	ISSN: 47323/87 ISSN: 2230-8075 ISSN: 2230-8075
Dr Parul Gaur	5	-	-
Dr Pallavi Chakravarty Ghoshal	7	2	ISSN: 978-93-83650-13-2 ISSN: 0970-0293
Mr Vikram Singh Chaudhary	3	3	ISSN: 2277-7881, ISSN: 2249-2984, ISSN: 2277-5609
Ms Aali Kumar	1	1	ISSN: 2348-0459

Mr N. R. Levin	3	3	ISSN: 2249-2984 ISSN: 2248-9479
Ms Priyanka Nirupam	4	4	ISSN: 2319-9202 ISSN: 2319-9202 ISSN: 2277-9809 ISSN: 2277-9809

Faculty	Book Chapters	ISBN	Book Edited	ISBN	Books	ISBN	Reviewed	ISBN
Dr Lata Singh	3	978 81 250 44727; 978-81-7917-100-4, 978-81-7917-100-4,	2	978-93; 8060 7-92-4	2	--	--	--
Mr Vikram Singh Chaudhary	--	--	--	--	1	81-86863-01-0	--	--
Dr Pallavi Ghosal	--	--	--	--	--	--	4	0069-9667, 0958-4935, 970-0293

## Newspaper articles of academic relevance

Name of faculty	Details
Dr Pallavi Chakravarty Ghoshal	Interview published in Sunday Guardian, <i>Partition's Pariahs: How they fared in East and West</i> , 10 <sup>th</sup> November 2012.

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards: **Nil**

22. Student projects:

S. No.	Topic of Project
1.	Mughal Architecture
2.	Mughal Paintings
3.	Revolt of 1857
4.	Partition of India 1947
5.	Use of Persian Sources in the reconstruction of Medieval History Taiping in Chinese films
6.	The Tokugawa crisis
7.	Feminism
8.	Seven cities of Delhi
9.	Confusian and Buddhist ideology in National movement.
10.	Map free hand of paleolith.meslothic and neolithic periods in India.
11.	Project onharappan means of subsistence.
12.	Map of ashoka's edicts
13.	Map on trade routes BCE200-200A.D
14.	Project on mauryan,postmauryan, gupta and post gupta art
15.	Exhibited and shown students potsherds from rakhigarhi,kaushambi and sonkh.
16.	Shown students replicas of pallavaarchitecture .

a) Percentage of students who have done in – house projects including inter departmental/ programme: **100%**

**All students were divided into groups and were delegated to do one of the above mentioned projects.**

b) Percentage 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:

S. No.	Name of Faculty	Details
1.	Dr Lata Singh	1. Fellow, Indian Institute of Advanced Study, Shimla. 2007 Nov to 2009 October 2. U.G.C. Research Awardee, 2004 May to 2007 April. 3. British Academy Visiting Fellow, 2006 July to 2006 August

24. List of eminent academicians and scientists/visitors to the department:

**Dr Sapna Liddle, Co-convenor of INTAC - Delhi Chapter**

25. Seminars/ Conferences/ Workshops organized & the source of funding (National/ International):

S. No.	Title	Organized by	Funded by	Year
1.	Medieval Delhi	Swapna Liddle	Maitreyi College	2014-15
2.	Workshop on cultural heritage of Delhi	Faculty, Department of History	Maitreyi College	2013-14
3.	Workshop on cultural forms in India	Faculty, Department of history	Maitreyi College	2013-14
4.	Workshop on empowerment of women and protest movement against rape	Faculty, Department of history	Maitreyi College	2013-14
5.	Staging of a play on conservation of environment (chipko movement)	Faculty, Department of history	Maitreyi College	2013-14
6.	Presentation on historical Delhi	Ms. Kanti Arora, to the students of UKIERI (United Kingdom –India Education and Research Initiative)	Maitreyi College	2013-14



26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. A. (Hons) History	No information received from University	54	-	54	100

\*M=Male \*F=Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. A. (Hons.) History	40.74	59.25	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense services etc.?

**No data available**

29. Student progression:

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
<b>Employed</b>	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

a) **Library:** Well equipped with text books, reference books, journals, popular magazines, newspapers etc.

b) **Internet facility is available for both students and staff:** Wi-fi facility provided for staff and students in the computer labs.

c) **Class rooms with ICT facility:** Class rooms are equipped with projectors and screen for use of ICT in teaching process.

d) **Laboratories: Nil**

31. Number of students receiving financial assistance from college, university, government or other agencies:

<b>B. A. (Hons)</b>	<b>I Year</b>	<b>II Year</b>	<b>III Year</b>
<b>2014-15</b>	NIL	NIL	1
<b>2013-14</b>	1	4	2
<b>2012-13</b>	NIL	2	2

32. Details on student enrichment programs (special lectures/workshops/seminars) with external experts:

- To further enhance the interest of the students in Modern Indian history, the Department screened the movie 'Mangal Pandey'
- On a regular basis power point presentations by the students are given in the classrooms in order to increase the understanding efficiency.
- It was for the first time that the Department conducted its annual fest 'Istoria' on 9th March
- The fest commenced with Ms. Sapna Liddle's address on the topic 'Medieval Delhi' which was the theme of 'Istoria'.
- The competitions such as Paper Presentations, Extempore, Slogan writing followed.
- The event also involved 'Mushaira'. It is an art of reciting poetry in a dramatic style.
- Performance of 'Dastaangoi'. It is lost art form of Urdu story telling, the group is led by Mahmud Faruqi.
- Prerna, final year student and also the President of the department worked with the UNICEF and presented a model for the uniform application of the CCL program in government schools.
- Harshita Kartikeya, final year student took part in the prestigious MUN, organized by Miranda House.
- Parini Sharma and Poonam Pandey too took part in the quiz competitions organized by Bhagat Singh college and Jesus and Mary college in their annual festival.

- For further details, see point no. 25

33. Teaching methods adopted to improve student learning:

- Teaching through lectures is completed by methods that lay stress on self-study and personal consultation between teacher and student.
- Discussion amongst themselves and with the teachers in the tutorial class
- Formal evaluation (assignments, tests, projects) as well as informal (observation, conversation, listening to students, comments)
- Inclusions of presentations within the internal assessment scheme . inculcating new techniques and skills for learning through participation.
- The support structure available to the students are the projectors and screens provided in each classroom for the use of ICT in teaching process
- The computer labs in the College supported with Wi-Fi have proved decisive in supporting educational technology.
- Visual media is used to teach cultural aspect of History. Dynamic videos were used to show historical documentaries so as to back up with their theoretical studies
- Teaching in the department is carried out in English and Hindi medium, which is one of the most distinct characteristic of this College.
- The library too has dedicated section for English and Hindi medium students which has also helped in making learning more student-centric
- The projects are mostly from topics not covered in class lectures so that the students can individually explore as a historian a given theme without being influenced by the teacher's viewpoint. The best project often read out/presented by the student and used as lecture for that topic.
- Classes are held regularly so that faculty manage to finish the syllabus on time though in certain papers the semester wise syllabus is unevenly distributed leaving the semester light in comparison to the other which involves many more topics with greater difficulty level.

34. Participation in Institutional Social Responsibility (ISR) and extension activities:

S. No.	Activity	Organized by	Funded by	Year
1.	Study trip to national museum in Delhi with special focus on the harrapan gallery and archeology gallery	History Department	Maitreyi College	2013

2.	Study trip to Deeg palace to look at medieval architecture and to realize its contemporary relevance as expressed in the <i>Deeg</i> festival	History Department	Maitreyi College	2013
3.	Study trip to Amritsar to visit golden temple for better understanding of sikh culture.	History Department	Maitreyi College	2013
4.	Performance of Dastaangoi	By a group who are reviving the lost art form of Urdu story telling, the group is led by Mahmud Faroqi.	Maitreyi College	2014
5.	Mushaira	History Department	Maitreyi College	2014

35. SWOC analysis of the department and Future plans:

**Strengths:**

- Performance with fullest responsibility
- Cordial faculty-student relationship.
- A near 100% pass percentage of the students

**Weakness:**

- Limited number of teachers as permanent faculty.

**Opportunities:**

- Reforms provide a vent to creative and academic cravings.

**Challenges:**

- Each successive year brings its own challenges with new students from diverse backgrounds. Teaching students, especially new courses in Hindi Medium with only few reference books poses its own problems and requires great effort in translating material for them.
- Semester gives very little time for intensive discussion on any topics as one has to rush through finishing the topics for exams.

**Future Plans :**

- Appointment of permanent faculty.
- Financial Grant for study tour, visit to museums, Archeological Sites and Seminars in college.
- To build a departmental library.
- Building a History corner for exhibiting replicas from the National Museum.

## Mathematics Department

1. Name of the department: **Mathematics Department**
2. Year of Establishment: **1967**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):
  - **UG - B. Sc. (Hons) Maths (6 semester)**
  - **PG - M. A. (Hons) Maths (4 semester)**
4. Names of Interdisciplinary courses and the departments/units involved:
  - **B. A. (Hons) Economics**
  - **B. Sc. (Hons) Physics**
  - **B. Sc. (Hons) Chemistry**
  - **B. Sc. (Hons) Botany**
  - **B. Sc. (Hons) Zoology**
  - **B. Sc. Physical Science with Computer Science**
5. Annual/ semester/choice based credit system (programme wise)  
**All programmes are running in Semester mode.**
6. Participation of the department in the courses offered by other departments  
**Same as in Point No 4.**
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) discontinued as per Delhi university instructions.**
9. Number of Teaching posts :
 

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	12	4 (by promotion)
Assistant Professors		1
10. Faculty profile with name, qualification, designation, specialization, (D. Sc./D. Litt./Ph. D. / M. Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience
Ms Shashi Mishra	M. A.	Associate Professor	Ring Theory and Topology	41
Dr Asha Gar	Ph. D.	Associate Professor	Coding Theory	34
Mrs Rajni Gupta	M. Phil.	Associate Professor	Operator Theory	30
Mrs Elizabeth Michael	M. Phil.	Associate Professor	Algebra	32
Mrs Geetan Manchanda	M. Phil.	Assistant Professor	Analysis	09
Dr Archana Paradkar	Ph.D.	Assistant Professor (Ad-hoc)	Fixed Point Theory	04
Ms Deepti Kaur	M. Phil.	Assistant Professor (Ad-hoc)	Optimization Theory, Numerical analysis	03
Mr Pawan Kumar	M. Sc.	Assistant Professor (Ad-hoc)	Fixed point Theory	02
Mrs Nikita Mittal	M. Phil.	Assistant Professor (Ad-hoc)	Optimization Theory	01
Dr Neetu Arneja	Ph. D.	Assistant Professor (Ad-hoc)	Operational Research (Inventory System)	01

11. List of senior visiting faculty

- **Dr D. R. Aylawadi (Retired as Professor from the Dept. of Operational Research, DU).**
- **Dr (Mrs) Pushpa Jain (Retired as Associate Professor, Dept. of Maths, Maitreyi College).**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

**% of Lectures - 50%**

**% of Practical - 66.66%**

13. Student -Teacher Ratio (programme wise)

**B. A. (Hons) - 1:12**  
**B. Sc. (Hons) - 1:12**  
**B. A. (Pass) - 1:20**  
**B. Sc. (Gen) - 1:15**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

**Nil**

15. Qualifications of teaching faculty with D. Sc/ D. Litt./ Ph. D./ M. Phil. / PG.

**Details provided in point no. 10.**

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:

Publications per Faculty (last four years) =  $13/10 = 1.3$

<b>Faculty</b>	<b>Total No. of Publications</b>	<b>No. of Publications in last four years</b>	<b>ISSN/ISBN</b>
Dr Archana Paradkar	8	2	ISSN: 2321-4767 ISSN: 0970-5120
Dr Neetu Arneja	9	7	ISSN:1923-2934 (Online) ISSN:0975-3729. e-ISSN 2070-5948 ISSN:1923-2934 ISSN: 0973-6093 ISSN:0975-3729 Regd No. HARENG/2009/29338, Ministry of information and Broadcasting.



Mr Pawan Kumar	4	4	ISSN:2090-8288 ISSN:0974-3154 ISSN:2050-7461 ISSN:2090-8288
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## Workshop/Conference Attended (Last four years)

Faculty	Workshop	Conference
Dr Asha Garg	2	-
Mrs Rajni Gupta	3	-
Mrs Elizabeth Michael	2	-
Mrs Geetan Manchanda	4	1
Dr Archana Paradkar	3	1
Dr Neetu Arneja	-	2
Mr Pawan Kumar	1	2
Ms Deepti Kaur	1	-
Ms Nikita Mittal	1	-

## 20. Areas of consultancy and income generated:

**Nil**

## 21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards:

Faculty	Committee
Dr Archana Paradkar	Life Member of Indian Academy of Mathematics Indore
Dr Neetu Arneja	Life Member of Association of Inventory Academicians and Practitioners
Mr Pawan Sharma	Life Member of Indian Mathematical Society

## 22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :

**A project titled ‘Impact of Industrialization on Urbanisation’ with a group of fifteen students from Maitreyi College on Gyanodaya-IV : from March 11- 19, 2014.**

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

**Data Not Available.**

23. Awards / Recognitions received by faculty and students:

<b>Name of Student</b>	<b>Class &amp; Batch</b>	<b>Awards/Recognition</b>
Bharti Yadav	Maths (Hons), 2011-14	Best all-rounder student of Maitreyi College 2013-2014 (Dr. LATE SITA SRIVASTVA AWRD) a cash price of Rs 11,000
Nikita Pahuja	Maths (Hons), 2012-2015	Third position in Mathematics presentation in Kamla Nehru College in 2013, Second position in Pictionary in Kalindi College in 2014 and First position in Physics Presentation in Motilal Nehru College in 2015.
Shivani Verma	Maths (Hons), 2012-2015	Third position in Mathematics presentation in Kamla Nehru College in 2013, Second position in Pictionary in Kalindi College in 2014.
Monika Sharma	Maths (Hons), 2013-16	<ol style="list-style-type: none"> <li>1. First Position in Inter college Ball Badminton competition during 2013-14</li> <li>2. Third Position in inter college Judo competition during 2013-14</li> <li>3. Second Position in Inter college Ball Badminton competition during 2014-15</li> <li>4. First Position in Soft ball competition during 2014-15 at state level</li> <li>5. Second Position in Inter college Base Ball competition during 2014-15</li> <li>6. Third Position in All India Senior National Ball Badminton competition during 2014-15.</li> <li>7. During the festival of youth Delhi university, First Position in Ball Badminton competition organized by SRCC, University of Delhi during 2013-14 and 2014-15, First Position in Ball Badminton</li> </ol>

		competition organized by Miranda House, University of Delhi during 2014-15.
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24. List of eminent academicians and scientists / visitors to the department

1. **Prof. Geetha Venkatraman, Ambedkar University, Delhi.**
2. **Prof. Rahul Roy, Indian Statistical Institute, Delhi.**

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National b) International

Year	Speaker	Topic	University/ Institute	Funding
2011-12	Prof. Bal Krishan Das	Cryptography	University of Delhi	Students Welfare Fund
2012-13	Prof. Rahul Roy	Converge of space by random sets and a connection with the human genome project	Indian Statistical Institute, Delhi.	Students Welfare Fund
2013-14	Prof. Geetha Venkatraman	Cryptography	Ambedkar University, Delhi	Students Welfare Fund

26. Student profile programme/course wise:

Name of the Course /programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. Sc. (Hons) Mathematics	No information received from University	51	-	51	100

\*M = Male \*F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc. (Hons) Mathematics	25.49	74.50	Nil

25. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

**Data not available.**

29. Student progression: Data not available

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
<b>Employed</b>	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities:

- a) **Library** – The college library contains a number of books related to subject and is used by the faculty as well as the students.
- b) **Internet facilities for Staff & Students** - Every department is a part of centralized LAN besides having their own departmental network. The entire campus is Wi-Fi enabled. Students and faculty have been provided User ID & password for Internet access through their devices (Mobile, Laptops etc.).
- c) **Class rooms with ICT facility** – Classrooms are used from the common pool.

31. Number of students receiving financial assistance from college, university, government or other agencies

	I Year	II Year	III Year
2013-14	Nil	2	1
2012-13	1	1	1

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

**Same as Point No 25.**

33. Teaching methods adopted to improve student learning

**We use different techniques to improve student learning. Class tests, assignments, quizzes and presentations are held frequently. In order to use assignments as teaching tools, the outcomes and learner responses are discussed.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Name	Batch	Institutional Social Responsibility (ISR) and Extension activities
Nikita Pahuja	Maths (Hons), 2012-15	Internship at 'Nielsen Company' for one week 'NIELSEN IMMERSION PROGRAMME', Winter Internship at ADITYA BIRLA MONEY LIMITED, Delhi, December 2014, Internship at Campus Diaries in February 2015.
Lovely Sachdeva	Maths (Hons), 2013-16	Attended annual training camp at DG NCC Parade Ground, Delhi Cantt from 17/6/14 to 26/6/14, and Participated in National Integration Camp-I at Mysore.
Komal Chauhan	Maths (Hons), 2013-16	Currently, a member of NSS and have worked with Bodh Shiksha Samiti, an NGO

35. SWOC analysis of the department and Future plans

The department has always been on a sound footing academically. We have been admitting students with a cut off lower than many other college but due to rigorous training and drill, they equip themselves with all wherewithal and compete favorably with the best in the University. Some of them have been rank holders also. The result generally is cent-percent. In addition to this, the students of Mathematic Department have been very

active in sports and cultural activities of the college. Although semester system and up gradation of curriculum have put considerable constraints, our students are very pro-active and enthusiastic to attend/organize lectures and seminars.

Under the semester system, we would like to organize extension activities in terms of lectures by external experts, seminars, workshops, educational trips and correlate with the society, among others. This will ensure active participation of the faculty as well as the students. We are sure, that in future the department will play an active and significant role in the progress of the college in all respects.

## Physics Department

1. Name of the department: **Physics**
2. Year of Establishment: **1983**
3. Names of Programmes / Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D., etc.) :

### **UG: B. Sc. (Hons) Physics**

4. Names of Interdisciplinary courses and the departments/units involved:

The Department caters to the following interdisciplinary courses:

- **B. Sc. (Hons) Chemistry with Chemistry Department**
- **B. Sc. (Hons) Mathematics with Mathematics Department**
- **B. Sc. (Prog.) Physical Science (with Chemistry and Computer Science)**

5. Annual/ semester/choice based credit system (programme wise):

**All courses are running in semester mode.**

6. Participation of the department in the courses offered by other departments

**Same as under point no. 4**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

- **B. Sc. (General), Master of Arts and Tourism Management (MTM) and Bachelor of Arts in Tourism Studies (BTS) in collaboration with IGNOU (2005 – 2010)**
- **Post-Graduate Diploma in Nanotechnology (PGDN) (2009 – 2013)**

8. Details of courses/programmes discontinued (if any) with reasons:

- **MTM & BTS discontinued in 2010 on introduction of semester system for undergraduate courses by University of Delhi due to non-availability of laboratory space.**
- **Post-Graduate Diploma in Nanotechnology (PGDN) – Discontinued by the University of Delhi in 2013 when the FYUP scheme was implemented.**
- **B. Sc. (General) Group A replaced by B. Sc. Physical Science by the University of Delhi in 2010.**

## 9. Number of Teaching posts:

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	17	05 (by promotion)
Assistant. Professors		03

## 10. Faculty profile with name, qualification, designation, specialization, (D. Sc./D. Litt./Ph. D. / M. Phil. Etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr Savita Datta	Ph. D.	Principal	Atmospheric Physics	32
Dr Neelima Rani	Ph. D.	Associate Professor	Physics of Materials and Electronics	31
Dr Sadhana Pandey	Ph. D.	Associate Professor	Solid State Physics	30
Dr Veena Mishra	Ph. D.	Associate Professor	Theoretical Physics	27
Dr Poonam Juneja	Ph. D.	Associate Professor	Experimental Nuclear Physics	22
Dr Kiran Sehrawa t	Ph. D.	Associate Professor	Material Physics	22
Dr Ritu Dhingra	Ph. D.	Associate Professor	Solid State Physics (Experimental)	21
Dr Shalini Lumb	Ph. D.	Assistant Professor	Condensed Matter Physics(Theoretical)	12
Ms Polly Biswas	M. Sc.	Assistant Professor	Condensed Matter Physics (Theoretical)	09
Dr Swapna R Jain	Ph.D.	Assistant Professor	Non Linear Dynamics	19
Dr Neelam Singh	Ph. D.	Assistant Professor (Ad-hoc)	Crystallography	3.5



Name	Qualification	Designation	Specialization	No. of Years of Experience
Ms Sonu Rani	M. Sc.	Assistant Professor (Ad-hoc)	Electronics	3.5
Ms Jyoti Kapil	M. Sc.	Assistant Professor (Ad-hoc)	Electronics	06
Dr Prajwalit Shikha	Ph. D., MCA	Assistant Professor (Ad-hoc)	Solid State Physics (Theoretical)	3.5
Dr Mansi Dhingra	Ph. D.	Assistant Professor (Ad-hoc)	Material Science	3.5
Ms Nisha	M. Sc.	Assistant Professor (Ad-hoc)	Theoretical Physics	6 Months
Ms Shweta	M. Sc.	Assistant Professor (Ad-hoc)	Electronics	2
Dr Surbhi	Ph. D.	Assistant Professor (Ad-hoc)	Material Science	6

## 11. List of senior visiting faculty:

Faculty	Affiliation
Prof. Suresh Garg	Pro VC, IGNOU
Late Dr Vijendra Sharma	Associate Professor, Atma Ram Sanatan Dharma College, University Of Delhi
Prof. C. K. Ghosh	IGNOU, Regional Director, Regional Services Division, Indira Gandhi National Open University
Prof. R. M. Mehra	Department Of Electronic Science, South Campus, University Of Delhi
Dr Subhashish Haldhar	Associate Professor, Department of Physics, Motilal Nehru College, University Of Delhi
Dr Mallika Verma	Associate Professor, Department of Physics, Miranda House, University Of Delhi

## 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

**Odd semester – 39%**

**Even semester – 58%**

13. Student -Teacher Ratio (programme wise):

**12:1 (160/13) = Odd semester**

**10:1 (160/16) = Even semester**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	<b>Sanctioned</b>	<b>Filled</b>
Lab Assistants	**	4
Lab Attendants	****	4

\*\*Total 41 for departments of Botany, Chemistry, Computer Science, Physics and Zoology

\*\*\*\*Total 30 for departments of Botany, Chemistry, Computer Science, Physics and Zoology

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

**Details provided in Point no. 10.**

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

<b>S. No.</b>	<b>Faculty</b>	<b>Nature of the Project</b>	<b>Title of the project</b>	<b>Durati on</b>	<b>Name of the funding agency</b>	<b>Total Grant Sanctio ned (Rs.)</b>
1	Dr Neelima Rani	DU Innovation Project (MTC-101)	Study of Surface Tension in the action of soaps, detergents, germicides, cosmetics and in the field of pharmaceuticals	2012-13	DU	10 Lacs
2	Dr Ritu	DU Innovatio	Bio-Compatibili	2012-13	DU	10

	Dhingra	n Project (MTC 102)	ty of Nanomaterials			Lacs
3	Dr Sadhana Pandey and Dr Ritu Dhingra	DU Innovation Project (MTC 201)	Waste Water treatment and Corrosion Protection by Development and Evaluation of conducting Polymer Nanocomposite Impregnated Materials	2013- 15	DU	5.5 Lacs

18. Research Centre /facility recognized by the University: **Nil**

19. **Publications:**

Publication per faculty:

Total number of Publications of all faculty/Total number of Faculty=  
**147/17 = 8.64**

Total number of Publications of all faculty in last 4 years/Total number of Faculty= **29/17 = 1.7**

Faculty	Total Number of publication	Number of Papers published in peer reviewed (last four years)	Impact Factor and ISSN numbers(last 4 years)
Dr Savita Datta	32	-	-
Dr Neelima Rani	34	1	-
Dr Sadhana Pandey	7	2	ISBN: 978-81-920509 -5-8.
Dr Veena Mishra	10	-	-
Dr Poonam Juneja	9	-	-
Dr Ritu	2	2	ISBN: 978-81-920509 -5-8

Dhingra			
Dr Swapna Ray Jain	18	-	-
Dr Shalini Lumb	7	4 (2 listed in SCOPUS)	ISSN (Print): 0973-1458 ISSN (Online): 0974-9845 ISSN (Print): 1050-2947 ISSN (Online): 1094-1622 ISSN (Print): 2153-1196 ISSN (Online): 2153-120X ISSN (Print): 2164-7615, ISSN (Online): 2164-7623
Dr Neelam Singh	8	3	ISSN: 0921-4526 ISSN: 0030-4018 ISSN2278-0181
Dr Prajwalit Shikha	3	2	ISSN: 2278-4861 ISSN: 978-93-83083-98-5
Ms Jyoti Kapil	2	2	ISSN 2278-0181 ISSN (Online) 2319-7064
Dr Mansi Dhingra	5	5 (All listed in SCOPUS)	ISSN-1022-6680 ISSN: 1359-8368 ISSN: 0924-4247 ISSN: 0361-5235
Dr Surbhi	8	6	ISSN 2327-3941 ISSN 1005-0302 ISSN 1546-198X ISSN 1380-2224 ISSN 0976-3961
Ms Shweta	2	2	ISSN-0263-0346,E- ISSN1469-803X ISSN-1070-664X E- ISSN-1089-7674

Name of Faculty	Chapters in Books/ Books	ISSN/ISBN No.	Edited Chapter	ISBN
Dr Savita Datta	3	ISSN 2349-154	-	-
Dr Sadhana Pandey	3	ISSN 2349-154	-	-
Dr Veena Mishra	1	-	-	-
Dr Prajwalit Shikha	2	ISBN-978-93-81842-70-6; ISBN-978-93-81842-64-5	1	ISBN-978-93-80350-18-9

Dr Surbhi	1	ISBN No-978-81-92256-6-1	-	-
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**Student Publication:**

<b>Name Of Student</b>	<b>Paper Title</b>	<b>Published in</b>	<b>Author/Co-Author</b>
1.Aparna Pande; B.Sc. (Hons) Physics	Development of eco friendly and smart anticorrosive coating based on Polyaniline-Fe <sub>2</sub> O <sub>3</sub> nanocomposite /Epoxy Resin for Protection of Iron in Aggressive Environment	Abstract booklet in National Symposium on Innovations in Composites for General Purpose to High end Applications	Co-Author
2.Navita Jakhar; B.Sc (Hons) Physics	Development of Environmental Friendly Novel Membrane Based on Activated Carbon Fibre Modified with Polyaniline ZnO Nanocomposite for removal of E.Coli and Total Coliform Bacteria from Waste Water	Compiled Volume of papers contributed in National Seminar on "Environmental Economics and Social Sustainability	Co-Author

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in a) National committees b) International Committees  
c) Editorial Boards

<b>Faculty</b>	<b>Committee</b>
Dr Savita Datta	<ol style="list-style-type: none"> <li>1. Member of Executive Council, University of Delhi from Dec. 12, 2013 to Dec. 11, 2015</li> <li>2. Member of Academic Council, University of Delhi from July 25, 2013 to July 24, 2015</li> <li>3. Member of Industry Advisory Council of NIIT.</li> <li>4. Member of the Committee of the University Grants Commission constituted for conferment of autonomous status to J. D. Birla Institute, Kolkata. Visited Kolkata from September 18-19,</li> </ol>

	<p>2012.</p> <p>5. Member of the Visiting Expert Committee of the Distance Education Council to visit Nehru Gram Bharati University. Visited Allahabad from February 13-14, 2012.</p> <p>6. Member of the Academic Council of Centum Learning Limited.</p> <p>7. Member of the National Committee on Education of Confederation of Indian Industries (CII).</p> <p>8. Member of Customer Care Committee of Punjab National Bank.</p> <p>9. Member of Complaints Committee under code of conduct at workplace for some Government organization.</p>
Dr Sadhana Pandey	<p>1. Member of Science Faculty, University of Delhi (2010 – 2012)</p> <p>2. Member of Committee of Courses, Department of Physics &amp; Astrophysics, University of Delhi (2012-2014)</p>
Dr Veena Mishra	<p>Founder member of International Advisory Board of the Journal “Physics and Technology quest”, Singapore (1995)</p>
Dr Poonam Juneja	<p>1. Life Member of Indian Association of Physics Teachers (IAPT); Membership No. – 10567, L6777</p> <p>2. Life Member of Centre for Education Growth and Research (CEGR); Membership No. – CEGR/LT/2014/DD</p>
Dr Shalini Lumb	<p>Life member of Indian Association of Physics Teachers since 2005</p>
Dr Prajwalit Shikha	<p>Life member of Indian Association of Physics Teachers since 2009</p>

## 22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

- **B. Sc. Physical Science (with Chemistry/Computer Science) III year – 100%**
- **B. Sc. (Hons) Physics III year – 100%**

**DU Innovation Projects:** Refer to Point No. 17 for Title. Five students from the Physics Department were involved in each of the respective innovation projects.

**Projects under Star College Scheme:**

No of students involved per project =  $(110/12) = 9$

S. No.	No. of Students	Title of the Project
1.	36	<b>Wake Up Call</b> -An awareness campaign to make people aware of the health and environmental hazards of wrong methods of e-waste handling.
2.	44	<b>Water Footprint</b> - Goal of Water Footprint Assessment Project is to analyze how human activities or specific products relate to issues of water scarcity and pollution.
3.	2	Designing a clock for JK Flip-Flop
4.	4	Designing of Counters
5.	2	Designing A/D Converter
6.	3	Solar Mobile Charger
7.	2	Variation of RI with temperature
8.	3	To study the effect of temperature on the refractive index of water
9.	3	Designing a Rain Water Alarm
10.	3	Designing a Fire Alarm
11.	3	Designing a Security Alarm
12.	5	Designing a Metal Detector & Sound Detector

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies – (~4%)

Student/ Course	Project/Workshop Title	Duration	Venue
Kaushalya: B. Sc. (Hons) Physics, II year	Summer Programme in Physics	4-weeks (June 29,- 2015 to July 22,2015)	Department of Physics & Astrophysics, University of Delhi
Nidhi Bisht, B. Sc. (Hons) Physics, II year	(B.Sc. Summer Pro gramme) Growth of Nanostructured Films by Thermal Evaporation	1 Month (1.06. 2015- 30.06. 2015)	Inter University Accelerator Centre, Delhi

	/ Sputterin		
Lavanya Nemani, B. Sc. (Hons) Physics, I year	Summer Associate Research Programme (SARP)	2 months  19 May 2015 to 15 July 2015	UM-DAE Centre for Excellence in Basic Sciences, Mumbai
Ms Priyamvada Kameshwar, B. Sc.(Hons) Physics, II year	Laser Techniques	6- weeks (Dec 16 2014 to Jan 27 2015)	LASTEC (Laser Science and Technology Centre), DRDO (Defence Research and Development Organization, Ministry of Defence)
Lavanya Nemani, B. Sc. (Hons) Physics, I year	RAD@home Discovery camp, RAD@home Astronomy collaboratory, India	1 week  (Dec 22-28, 2014 )	Nehru Planetarium
Lavanya Nemani, B. Sc. (Hons) Physics, I year	Introductory workshop on cosmology	2 days  (October, 2014)	Sri Venkateshwara College, Delhi university
Lavanya Nemani, B. Sc. (Hons) Physics, I year	Telescope making workshop	1 week  (Feb 11-18, 2014)	IUCAA, Pune

## 23. Awards / Recognitions received by faculty and students

Faculty	Awards/Recognitions
Dr Savita Datta	<ol style="list-style-type: none"> <li>1. Pratibha Award - 2014' for excellent and outstanding contribution in the field of education by Indraprasth Sanjeevni.</li> <li>2. Dr Savita M. Datta held the additional charge of Director, Campus of Open Learning from 2006 to 2013.</li> </ol>



	<p>3. Travel Grant by the British Council in March, 2009 under Professional and Technical Skill (PTS) Strand of UK-India Education and Research Initiative (UKIERI) for partnering with UK Institutions to jointly deliver vocational/professional courses in the University of Delhi.</p> <p>4. Distinguished Alumni Award for excellence in Academics in March, 2008 by Old Student's Association of Hindu College.</p> <p>5. Fellowship by Commonwealth Educational Media Centre for Asia (CEMCA) for a study tour of various Open Universities in Singapore and Malaysia from May 24-31, 2008.</p> <p>6. Higher Education Award in April, 2004.</p> <p>7. World Literacy Award in September, 2003.</p>
Dr Sadhana Pandey	Proud recipient of "Meritorious Teachers Awards" of the directorate of higher education, government of NCT of Delhi (2012-13)
Dr Veena Mishra	On deputation for 3 years as Deputy Dean (Foreign Students Registry), University of Delhi (2011-2014)
Dr Poonam Juneja	Coordinator, NAAC Committee, since April 2014
Dr Swapna Ray Jain	Young Scientist Project awardee of a DST, Govt. of India in the year 1989-1990 at Physics Department, Jadavpur University (Sep 30, 1990 – July 31, 1995)

Student Name	Award
Lavanya Nemani, B. Sc. (Hons) Physics, I year	<p>1) II position in the "ASGARD space settlement design" at IIT, Delhi. The competition required to design and present a space settlement (Mar 24, 2015)</p> <p>2) I in the Debate Competition at Miranda House, DU on 11th February, 2015.</p> <p>3) II Position in Debate competition at Deshbandhu College, DU (Jan 23, 2015)</p>
Aparna Pandey, B. Sc.(Hons), Physics III year	I prize in the "Turn Coat" competition organized by the Zoology Department, Maitreyi College in 2014.

24. List of eminent academicians and scientists / visitors to the department

S. No.	Name of the visiting faculty	Affiliation
1.	Prof. K. Sreenivas	Director, USIC, University of Delhi
2.	Dr O. P. Sharma	Deputy Director, NCIDE, IGNOU
3.	Prof. V. P. Srivastava	Senior Consultant, NCERT
4.	Prof. Ajoy Ghatak	IIT, Delhi
5.	Prof. Annapoorni	Department of Physics, University of Delhi
6.	Prof. Enakshi Sharma	Department of Electronic Science, University of Delhi
7.	Prof. Amitav Sen Gupta	National Physical Lab
8.	Prof. K. C. Tripathi	Department of Physics, University of Delhi
9.	Prof. S. K. Trikha	Department of Physics, University of Delhi
10.	Prof. V. K. Jain	Amity University
11.	Prof. M. P. Srivastava	Department of Physics, University of Delhi

25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International

Event	Title	Date	Funded by
Workshop	Understanding & Using Basic Electronic Equipments	January 12, 14-15 2015;	Maitreyi College
Inter Departmental Workshop	Green Innovation for Sustainable Development	8-9 January, 2015	Star College Scheme
Workshop	Fire Safety & Disaster Management	December 18 – 19, 2014	Star College Scheme

Cultural & Academic Workshop (UKIERI-SIP -2014)	The Flying Circus of Physics	Aug & Sep 2014	Maitreyi College
Cultural & Academic workshop (UKIERI-SIP -2013)	Physics –The Omnipresent	Aug & Sep 2013	Maitreyi College
Two-day workshop	Employability and Entrepreneurship	February 3-4, 2011	Star College Scheme
Workshop	Upgrading Lab Skills in Science	June 24 – 30, 2010	Star College Scheme
3-days Workshop	Safe Lab Practices	June 1 – 3, 2010	Star College Scheme
Workshop	Quality Assurance through Blended Learning	January 19-21, 2010	Maitreyi College
ILLL Tier II ICT Workshop	Capacity Building of Delhi University Staff	December 21-24, 2009	Maitreyi College

## 26. Student profile programme/course wise:

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage (2013-14)
			*M	*F	
B. Sc. (Hons) Physics	No information received from University	54	-	54	100
B. Sc. (Physical Science)		57	-	57	100

\*M = Male \*F = Female

## 27. Diversity of Students

Name of the Course	% of students from the same states	% of students from other States	% of students from abroad
B. Sc. (Hons) Physics	16.66	83.33	Nil
B. Sc. (Physical Science)	45.6	54.4	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:

**No data available**

29. Student progression

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
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:** A departmental Library is maintained where books contributed by the Physics faculty are kept for the students' reference. The books are properly indexed and the library is serving as a great resource centre. The library also maintains the works of students and teachers which includes reports of seminars, projects, workshops done/attended. Sample Guidelines for conducting various experiments prepared in the form of project reports by students are also made available.
- b) **Internet facilities for Staff & Students:** The college is Wi-Fi enabled and students have been issued a laptop. Two desktops in the department (connected with the University's server) facilitates the faculty.
- c) **Class rooms with ICT facility:** There is one dedicated room which is fitted with projector and is Wi-Fi enabled. Other rooms from the

college pool are used. There are three computer systems which can be accessed by teachers, students and laboratory staff. The department also has a scanner and two printers.

d) **Laboratories:** The two Physics Laboratories cater to different experiments related to Physics/Electronics. Experiments related to Mechanics and Thermal Physics are conducted in Physics Lab – I, which also has a Dark Room for performing experiments in Optics, Electricity & Magnetism etc. The Electronics experiments are carried out in Physics Lab-II. All the labs are well equipped with instruments required for each batch coming for performing the experiments. Students are encouraged to work or in group of two. The major equipment in laboratories are:

- a) Zeeman Effect
- b) Fabry Parot Interferometer
- c) Spectrum of Iodine Vapour
- d) Franck Hertz Experiment
- e) Study of P-N Junctions
- f) Electron Spin Resonance Spectrometer
- g) Digital Storage Oscilloscope
- h) Optical Fibre
- i) Hall Effect
- j) He-Ne Laser etc.

31. Number of students receiving financial assistance from college, university, government or other agencies –

	I Year		II Year	
	B. Sc. (Hons) Physics	B. Sc. (Prog.) Phy Sci	B. Sc. (Hons) Physics	B. Sc. (Prog.) Phy Sci
<b>2013-14</b>	4	Nil	5	1
<b>2012-13</b>	4	1	Nil	Nil
<b>2011-12</b>	Nil	Nil	Nil	1

32. Details on student enrichment programs (special lectures / workshops /seminar) with external experts:

Year	No. of Visits	Place of visit
<b>2014-15</b>	5	1. USIC Lab, University of Delhi 2. Inter University Accelerator Centre (IUAC), Vasant Kunj, New Delhi 3. School of Environmental Sciences, JNU, New Delhi

		4. National Science Centre 5. National Physical Laboratory (NPL)
<b>2013-14</b>	3	1. Department of Physics & Astrophysics, DU 2. Inter University Accelerator Centre (IUAC), Vasant Kunj, New Delhi 3. National Physical Laboratory (NPL)
<b>2012-13</b>	2	1. Department of Physics & Astrophysics, DU 2. Inter University Accelerator Centre (IUAC), Vasant Kunj, New Delhi
<b>2011-12</b>	2	1. USIC Lab, University of Delhi 2. Inter University Accelerator Centre (IUAC), Vasant Kunj, New Delhi

Apart from the above, various lectures, workshops, seminars etc. are organized by the department which are mentioned in **Point No. 25**.

### 33. Teaching methods adopted to improve student learning:

For enhancing effective learning amongst students, it is essential for the teacher to innovate and introduce newer means to keep students interested in attending classes. Some of the methods introduced and used are:

1. Generating e-resource, manuals, ready reckoners etc;
2. Upgrading knowledge by way of organizing quizzes, seminars, workshops;
3. Allotting project work (theoretical as well as those which enhance bench skill beyond syllabi and those which have socio-environmental impact);
4. Organizing skits to explain basic concepts of physics and highlighting the glorious history of physicists in a fun way;
5. Encouraging an inter-disciplinary approach by organizing Awareness Campaign on issues of general interest;
6. Collecting feed-back and undertaking its analysis;
7. Distributing work-sheets;
8. Encouraging participation in exhibitions, display boards, activities of other departments.

### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities

1. Ms Kaushalya, Ms Priyamvada & Ms Neha (II year B. Sc. (H) Physics) were selected for a NCC annual training camp at Delhi Cantt, New Delhi conducted from 31<sup>st</sup> October, 2014 – 9<sup>th</sup> November, 2014, where they participated in activities like quiz, extempore, dance, slogan writing, kabaddi, football, etc.
2. Teachers in NSS Committee were involved in various activities e.g a 'Blood Donation Drive' in association with 'Indian Red Cross Society' was organized during 2007 – 2008; a team of college students was led to participate in a drive organized by traffic.com to sensitize citizens of Delhi to follow traffic rules. Dr Poonam Juneja was appointed as Nodal Officer for DUSFI (Delhi

University Smoke Free Initiative) in 2009. She also participated in 'Orientation & Mobility Training For Visually Impaired' and various 'Sensitization' Workshops Conducted by the Equal Opportunity Cell, University Of Delhi.

### 35. SWOC analysis of the department and Future plans

#### **Strengths:**

- Proper guidance and help in all official and academic matters is provided by the dynamic and highly experienced senior faculty.
- The presence of energetic and talented young faculty members with varied research interests helps to nurture renewed interest in research activities and also make the departmental activities productive.
- The Physics Society named 'Scintillations' holds annual Physics Festival called 'QUEST' which consists of various fun learning inter-college competitions like poster making , quiz, paper-reading contest , fun-games and lectures by Scientists etc.
- Very cooperative and skilled laboratory staff.

#### **Weaknesses:**

- Existing laboratory space is limited due to increase in number of students.
- New research facilities cannot be accommodated within the available infrastructure.

#### **Opportunities:**

- The availability of online journals with INFLIBNET facility and Wi-Fi connectivity for students and teachers is a step ahead in carrying out theoretical research in colleges.
- Star College Scheme and DU Innovation Project Scheme has provides an opportunity to students research activities.

#### **Challenges:**

- To make learning more interesting and easy for students so that the declining interest in Physics.
- To make science students more employable.
- With increase in faculty strength and number of students, the available infrastructure and laboratory space has to be used judiciously.

#### **Future Plans:**

- To start a departmental newsletter so that students are well-informed about latest scientific developments.
- Inter-departmental activities.

- Contributing in the workshops conducted / organized by arts and commerce streams.

**Any Other Information:**

1. There has been a major contribution of the faculty of Physics Department in organizing as well as implementing UK India Education Research Initiative-Study India Program (UKIERI-SIP) from 2009 till date.
2. The entire faculty was involved in editing and contributing to 'e-lab manual for Physics' created under UKIERI Project with the Open University, UK.
3. The faculty also contributed to 'Laboratory Manual – Instruments' created by Maitreyi College, under Star College Scheme of the Department of Biotechnology, for the benefit of students towards enhancing their learning in sciences and to substantiate the hands-on skill for using different instruments and related techniques.
4. Under the supervision of Dr Poonam Juneja and co-supervision of Dr Prajwalit Shikha, two students from Amity University, U.P. and two from Banasthali Vidyapeeth, Rajasthan successfully completed their summer internship from 15.05.2015 to 30.06.2015 on 'Nanotechnology' as part of their M.Sc. (Physics) curriculum in collaboration with National Physical Laboratory, Delhi.
5. One of the Physics laboratory staff, Mr Ravi has been appointed as Booth Level Officer in AC-38 Delhi Cantt since 28<sup>th</sup> June, 2012.



## Political Science

1. Name of the Department: **Political Science**

2. Year of Establishment: **1967**

3. Names of the Courses offered :

**M. A. in Political Science**

**B. A. (Hons) Political Science**

4. Names of Interdisciplinary courses:

**B. A. (Program) (Six Semester Course) with departments of English, Hindi, History, Sanskrit, Punjabi, Computer Science, Economics and Sociology**

5. Annual/ semester/choice based credit system (programme wise):

**All Programmes are running in Semester mode.**

6. Participation of the department in the courses offered by other Departments:

**Same as in point no. 4.**

7. Courses in collaboration with other universities, industries, foreign institutions, etc:

**Nil**

8. Details of courses discontinued (if any) with reasons:

**FYUP was discontinued by the University in the year 2014.**

9. Number of Teaching Posts:

	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	13	11 (by promotion)
Assistant Professors		1

10. Faculty Profile:

S. No.	Name	Qualification	Designation	Specialization	Experience (yrs)
1	Mrs Vishu Bhalla	M. A.	Associate Professor	Comparative Government & Politics	41
2	Ms Indira Kohli	M. A.	Associate Professor	Political Theory Western Political Thought Comparative Government & Politics Indian Government & Politics	41
3	Dr Nirmala Jain	Ph. D.	Associate Professor	Indian Government & Politics Indian Political Thought	40
4	Dr P. R. Narayanan	Ph. D.	Associate Professor	Politics of Reservation in India	41
5	Dr Manju Subhash	Ph. D.	Associate Professor	Rights of Religious Minorities Multiculturalism International Institutions Women Rights South Asian Studies	40
6	Dr Vishnu Priya	Ph. D.	Associate Professor	International Relations India's Foreign Policy Multiculturalism & Immigration Globalization & Latin American Studies	40
7	Mrs Yogam Datta	M. Phil.	Associate Professor	Social Movements India's Foreign Policy	39
8	Dr Raj Lakshmi	Ph. D.	Associate Professor	Indian Government & Politics	39
9	Mrs Pushpa Goel	M. Phil.	Associate Professor	Political Theory	38
10	Dr Veena Vasudeva	Ph. D.	Associate Professor	Indian Government & Politics Colonialism & Nationalism Kashmir Politics Indian Political Thought	34
11	Dr Kiran Pandey	Ph. D.	Associate Professor	Indian Government & Politics Western Political Thought Comparative Governments & Politics Colonialism & Nationalism	29
12	Mr Yogesh Chaurasia	M. Phil.	Assistant Professor	Governance & Citizenship International Relations	7
13	Dr Uma Nabhi	Ph. D.	Assistant Professor (Ad-hoc)	International Relations India's Foreign Policy United Nations Public Administration Nationalism in India Reading Gandhi	1

11. List of senior Visiting Faculty:

**Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

**Lectures B. A. (Hons) - 42%**

**Tutorials B. A. (Hons) – 12%**

13. Student-Teacher Ratio of the Department:

**B. A. (Hons) = 22.8:1 (342/15)**

14. Number of support staff: **N. A.**

15. Qualifications of Teaching Faculty:

**Details provided in point no. 10.**

16. Number of faculty with on-going projects from National and International funding agencies and grants: **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 :

**Publication per faculty (Overall) : 57/13 = 4.38**

**Publication per faculty (Last 4 years) : 6/13 = 0.46**

Name of Teacher	Total Number of publications	Number of publications in the last four years	ISSN
Ms Indira Kohli	02	--	--
Dr Manju Subhash	09	--	--
Dr Vishnu Priya	24	02	--
Dr Veena Vasudeva	04	--	--

Dr Kiran Pandey	02	--	--
Mr Yogesh Chaurasia	05	--	--
Dr Uma Nabhi	07	04	--

S. No.	Name of Faculty	Chapter in Books	Books	Details (Books)	Newspaper Articles
1.	Dr Manju Subhash	3	2	<ul style="list-style-type: none"> <li>• <i>Rights of Religious Minorities in India</i>, National Book Organization, New Delhi, 1988</li> <li>• <i>United Nations Organization</i>, Jananda Prakashan, New Delhi, 1996</li> </ul>	--
2.	Dr Vishnu Priya	12	2	<ul style="list-style-type: none"> <li>• <i>Taming the Multinationals : Experience of Peru</i>, Kanishka, New Delhi, 1989</li> <li>• <i>State &amp; Society in Latin America: Challenges of Globalization</i>, (ed.), Common wealth Publishers, New Delhi, 2000</li> </ul>	--
3.	Dr Veena Vasudeva	2	1	<ul style="list-style-type: none"> <li>• <i>Kashmir Imbrogio</i>, Kalinga Publication,</li> </ul>	--

				2004.	
4.	Dr Kiran Pandey	1	1	• <i>Caste Politics in India</i> , Mittal Publication, New Delhi, 1987	--
5.	Mr Yogesh Chaurasia	--	--	--	5

20. Areas of consultancy and income generated:

**Nil**

21. Faculty as members in a) National committees b) International Committees  
c) Editorial Boards

**Nil**

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

**Nil**

b) Percentage 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:

**Dr. Raj Lakshmi received 'Distinguished Teacher Award' from DU in 2009 based on feedback from the students.**

24. List of eminent academicians and scientists/ visitors to the Department:

S.No.	Speaker	Affiliation
1.	Ms Jaya Jaitley	Member of Parliament
2.	Ms Margarat Alva	Member of Parliament
3.	Justice L. M. Singhvi	Supreme Court advocate
4.	Mr Tushar Gandhi	Mahatma Gandhi's Grandson
5.	Mr Wahidullah Khan	Spiritual leader
6.	Mr T. N. Seshan	Election Commissioner
7.	Mr R. Haldar	IFS Officer
8.	Late Prof. Randhir Singh	Prof. Emeritus in Political Science, University of Delhi.

## 25. Seminars/Conferences/ workshops organized and the source of funding

S. No.	Title	Organized By	Funded By	Year
1	Seminar on Cooperation among Developing Countries	Maitreyi College	ICSSR	1979
2	Conference on Contemporary Africa & Latin America	Maitreyi College	ICSSR	1982
3	Seminar on the Role of Women in the Indian National Congress Pre- Independence	Maitreyi College	Maitreyi College	1986
4	Seminar on Electoral Process in India	Maitreyi College	Maitreyi College	1986
5	Seminar on Indian Democracy and Communalism	Maitreyi College	Maitreyi College	1987

## 26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. A. (Hons) Pol. Sci.	No information received from University	146	--	146	100

\*M- Male, \*F-Female

## 27. Diversity of students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. A. (Hons) Pol. Sci.	60.27	39.72	0.68

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense services etc.?

**Nil**

## 29. Student progression

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M. Phil.	
PG to Ph. D.	
Ph. D. to Post – Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self – employment	

30. Details of Infrastructural facilities:

**Due to paucity of space we are unable to run departmental libraries. However, there is a central library catering to all departments. In order to optimally utilize the space, there are no dedicated class rooms for individual departments.**

31. Number of students receiving financial assistance from college, university, government or other agencies –

B. A. (Hons) Pol. Sci.	I Year	II Year	III Year
2014-15	1	18	3
2013-14	10	14	NIL
2012-13	8	1	NIL
2011-12	NIL	NIL	2

32. Details of student enrichment programme (special lectures / workshops / seminar) with external experts:

- Special Lectures and seminars by eminent political scientist and thinkers organized during inauguration and valedictory functions of Political Science Society :

**For Details of Speakers refer to point no. 24.**

- Various intra and inter college co- curricular activities and field trips and visits are also organized from time to time.
  1. Annual two-day Inter-College Political Science Department Festival: Vox Populi.
  2. Educational Trip for 3<sup>rd</sup> Year Students (2015).
  3. Quizzical, an Inter-College Quiz Competition in association with Stuco, a non-profit organization.
  4. Dr Krishnakant Mishra delivered a talk on ‘Caste and

Politics in India' in September 2014.

5. Faculty from SP Jain Institute, Mumbai visited to discuss future prospects of management program.

33. Teaching methods adopted to improve student learning and Extension activities.

**Along with traditional method of chalk and board, latest e-learning techniques and power point presentations are adopted for better understanding of the students. Special focus is given to Hindi medium students.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

**Nil**

35. SWOC analysis of the department and future plans.

<b>Strengths</b>	<b>Weaknesses</b>	<b>Opportunities</b>	<b>Challenges</b>
Dedicated, hardworking, student friendly and highly experienced Faculty	Student Intake from comparatively lower academic performers	Introduction of technologically advanced teaching aids in classrooms enhanced learning due to increased visual impact.	To create self-learners  To make each student get interested in the subject.
Cooperation among faculty members	No Departmental Library due to shortage of space		To help students in identifying and realizing their hidden potential.
Research Oriented Young Faculty			To train students for critical analysis.

#### Additional Information for 2014-15

The Department of Political Science organized an educational trip to Kyari Village, Uttrankhand from 20<sup>th</sup> to 23<sup>rd</sup> of March, 2015. The purpose of the visit was to expose the students to village life and the students saw Gobar Gas Plant. The students interacted with villagers and learnt about sericulture which was a domestic activity, observed migratory birds and learnt about herbal remedies. They also saw many medicinal plants.

The Department of Political Science also organized Lectures on 'The Enlightenment Series' in March 2015: the historical perspective of the



Enlightment in Europe by Mr Levin and the literary aspects of the  
Enlightment in Europe and carlings by Dr Manish Sharma.

## **Punjabi Department**

1. Name of the Department: **Punjabi**
2. Year of Establishment : **1967**
3. Names of Programmes/Courses offered (UG, PG, M. Phil., Ph. D., Integrated Masters; Integrated Ph. D. etc.):

**UG: B. A. (Program) (6 semester), B. Com.(Prog.)**

4. Names of Interdisciplinary courses and the departments/units involved:

**B. A. (Program) (Six Semester Course) with departments of English, Hindi, History, Computer Science, Economics, Commerce and Sociology**

5. Annual/semester/choice based credit system (programme wise) :

**All Programmes are running in Semester mode.**

6. Participation of the department in the courses offered by other departments:

**Same as in Point No. 4.**

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:

	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	02	02 (by promotion; 01 faculty retired in Jan 2015)
Assistant Professors		NIL

10. Faculty profile with name, qualification, designation, specialization, (D. Sc./D. Litt./Ph. D./M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr Harcharan Kaur	M. Phil., Ph. D.	Associate Professor	Modern Punjabi Poetry	36	01 student, 2012
Dr Surinder Kaur Malhotra	M. Phil., Ph. D.	Associate Professor	Modern Punjabi Poetry	28	--

11. List of senior visiting faculty:

**Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

**Nil**

13. Student-Teacher Ratio (programme wise) :

**B. A. (Prog.) = 30:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :

**Nil**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG. :

**Details Provided in Point No. 10.**

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:

Publication per faculty = Total number of Publications of all faculty/Total number of Faculty: **Nil**

Faculty	Chapter in Books	Books Edited	Books with ISBN/ISSN No with Details of publishers
Dr Harcharan Kaur	13	3	1. 'Harbhajan Singh-Kaav Da Theme VigyanakAdhayan', Navchetan Publishers, Amritsar 1980 2. 'SmeekhyaVihaar', KasturiLal& Sons, Amritsar. 1987 3. 'Amrita Pritam –Kaav Da SystemiAdhayan', Aarsi Publishers, 1986 4. 'Satrangee' (Poetry, Aarsi Publishers, 1992 5. 'SmeekhyaSabiaachar', SaptaSindhu Publications, Delhi 1995.
Dr Surinder Kaur Malhotra	5	1	1. 'Adhunik Punjabi Kavita Dian SanchaarVidhiyan' (Criticism), Aarsi Publishers, ChandniChawk, Delhi-110006, 1991.

20. Areas of consultancy and income generated:

**Nil**

21. Faculty as members in: a)National committees b)International Committees c) Editorial Boards

National committees

Dr Harcharan Kaur:

1. Former Director, State Bank of Patiala (Six Years)
2. Member, Indian Writers Association, Delhi
3. Life Member, Punjabi Literary Association, Delhi
4. Member, Press Club of India
5. Former Member, Governing Council of Punjabi Academy
6. Former Vice - Chairperson, Education, International Council of Punjabi

21. Student projects:

a) Percentage of students who have done in-house projects including interdepartmental/programme :

**100%**

b) Percentage of students placed for projects in organizations

outside the institution i.e. in Research laboratories/Industry/other agencies :

**Nil**

22. Awards/Recognition received by faculty and students.

Faculty

Dr Harcharan Kaur

1. Ishwar Memorial KlakarLekhak Mandal Award, for Literary Contribution (1987-88)
2. Gurbaksh Singh PreetLari Award, Best Book (Sameekhya Sabhiachar) of the year 1995, by Punjabi Academy, Delhi
3. Punjabi Bhasha Seva Sanmaan, 2006-07, by Punjabi Academy, Delhi

Students

1. Anjali Khanna & Bhawna Arora, students of B.A. (Prog), 1<sup>st</sup> year got 2<sup>nd</sup> Prize in Inter-College Punjabi Quiz Competition held in S.G.T.B. Khalsa College in February, 2015
2. Nikita & Arpita Khanna students of B.A. (Prog), 1<sup>st</sup> year got 3<sup>rd</sup> Prize in Inter-College Punjabi Quiz Competition held in S.G.T.B. Khalsa College in February, 2015
3. Arpita Khanna & Anjali Khanna students of B.A. (Prog), 1<sup>st</sup> year got 1<sup>st</sup> Prize in Paper Reading Competition on the topic 'Guru Nanak Devji Di Philosophy Ate Ajj Di NaujawanPeerhi' held in Mata Sundri College in March, 2015.

24. List of Eminent speakers:

S. No.	Speaker	Affiliation/Specialized area
1.	Kartar Singh Duggal,	Punjabi short story writer & Novelist
2.	Jaswant Singh Neki,	Scientist, Punjabi Poet
3.	Balwant Gargi,	Punjabi Dramatist
4.	Indira Goswami,	Gyan Peeth Pursakar
5.	Dr Swaran Chandan	Punjabi Novelist
6.	Prof. Ramesh Gautam	Director ILLL, D.U.
7.	Prof. Savyasaachi	Sociology Department J.M.I. Univ

25. Seminars/Conferences/Workshops organized & the source of funding :

National: 'Punjabi Te Bharti Sahit: Tulnatmak Adhayan', 2001 mainly funded by Punjabi Academy

26. Student profile programme/course wise:

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A. (Prog.)	No information received from University	209		30	100

\*M = Male \*F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. A. (Prog.)	69.37	30.62	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

**Nil**

29. Student progression

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M.Phil.	
PG to Ph.D.	
Ph.D.to Post-Doctoral	
Employed <ul style="list-style-type: none"> <li>•Campus selection</li> <li>•Other than campus recruitment</li> </ul>	
Entrepreneurship/Self-employment	

30. Details of Infra structural facilities :
- Library:** Well equipped with text books, reference books, Magazines, Newspaper etc.
  - Internet facilities for Staff & Students:** Wi-Fi Facilities in entire college for staff and students
  - Classrooms with ICT facility:** Nil
  - Laboratories :** Nil

31. Number of students receiving financial assistance from college, university, government or other agencies :

<b>B. A. (Prog.)</b>	<b>I Year</b>	<b>II Year</b>	<b>III Year</b>
2014-15	4	Nil	24
2013-14	Nil	28	17
2012-13	24	12	5
2011-12	3	Nil	17

32. Details on student enrichment programmes (special lectures /workshops /seminar) with external experts :
- Seminars, lectures and excursion trips are organized to educate students and make them aware of rich cultural, social and religious heritage of our country.
  - A trip to Agra in 2012 along with the Department of Hindi and another excursion trip to Amritsar in 2013 were collectively organized by the department of Punjabi, Sociology and History.
  - The inter-disciplinary dialogue immerged amongst students was very educative and interesting.
33. Teaching methods adopted to improve student learning :
- Self-Study
  - Group discussions
  - Regular tests
  - Preparation of projects on various themes and presentations
34. Participation in Institutional Social Responsibility (ISR) and Extension activities:
- Nil**
35. SWOC analysis of the department and Future plans:

Strength:

- Very lively and cordial teacher-student relationship.
- Nearly 100% pass percentage of students.
- One of the most dynamic faculty of the college, actively involved in extra-curricular activities.

Weakness:

- Lack of sufficient relaxation in cut-off percentage to admit the students at UG level.

Opportunities:

- The students are made aware of the distinction between linguistic and specific literary use of language. They can participate in group-discussions and prepare presentations with great interest and enthusiasm. They can participate in inter-college Paper-Reading, Poetry Recitation, Debate, Quiz Competitions.

Challenges :

- To prepare students to be professionally benefited by the subject in various fields such as, Teaching, Media and Mass communication (Anchoring, Voice Over, Scripting etc.), Translation work, Interpreter and many other job opportunities.

Future plans :

- To introduce B. A. (Hons.) Punjabi.



## Sanskrit Department

1. Name of the department : **Sanskrit Department**

2. Year of establishment : **1967**

3. Name of Programmes/ Courses offered:

**Three Year Semester Mode (UG) B. A. (Hons) in Sanskrit**

4. Name of interdisciplinary courses and the departments/units involved:

**Nil**

5. Annual/ Semester/choice based credit system (programme wise):

**All courses being offered are running in semester mode.**

6. Participation of the department in the courses offered by other departments:

- **In three year semester mode department is offering various credit courses to the students of B. A. (Hons) Sanskrit.**
- **B. A. (Prog.) Language and B. A. (Prog.) Discipline.**

7. Courses in collaboration with other universities, industries, foreign institutions etc.:

**Nil**

8. Details of courses/programs discontinued with reasons:

**Four Year Undergraduate Programme (FYUP) discontinued as per Delhi university instructions.**

9. Number of teaching posts

	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	6	Nil
Asst. Professors		2

10. Faculty profile

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>Experience (in years)</b>
Dr Pramod Kumar	Ph. D., M. Phil.,	Assistant Professor	Philosophy (Jaina Studies)	5.6

Singh				
Dr Sushil Kumari	Ph. D., M. Phil.,	Assistant Professor	Literature	4.8
Ms Preeti Verma	M. A.	Assistant Professor (Ad-hoc)	Philosophy	3.3
Dr Rekha Kumari	Ph. D., M. Phil.,	Assistant Professor (Ad-hoc)	Literature	2
Dr Jitender Kumar	Ph. D.	Assistant Professor (Ad-hoc)	Grammar	1.10
Mr Rajesh Kumar Mishra	M. Phil.	Assistant Professor (Ad-hoc)	Philosophy	10 months

**10. List of senior visiting faculty:**

**Nil**

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**

**60% lectures B. A. (Hons).**

**13. Student teacher ratio (programme wise):**

**B. A. (Hons) Sanskrit 13:1 (76/6)**

**14. Number of academic support staff (technical) and administrative staff, sanctioned and filled:**

**NA**

**15. Qualifications of teaching faculty with D. Sc./D. Litt./Ph. D./M. Phil./PG:**

**Details provided in point no. 10.**

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grant received:**

**Nil**

**17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR etc. and total grant received:**

**Nil**

18. Research Centre/facility recognized by the university:

**Nil**

19. Publications:

\* **Publications per faculty:31/6 = 5.16**

\* **Publications per faculty in last four year:27/6 = 4.5**

<b>Faculty</b>	<b>Total no. of published paper</b>	<b>Total no. of published paper (Last 4 years)</b>	<b>ISSN Number</b>
Dr Pramod Kumar Singh	12	09	ISSN: 6826-2277 ISSN: 6826-2277 ISSN: 6826-2277 ISSN: 6826-2277 ISSN: 2250-1207 ISSN: 0973-8762
Dr Sushil Kumari	05	05	ISSN: 2394-7519 ISSN: 2347-6605 ISSN: 0976-9315 ISSN: 2278-0912 ISSN: 976-8017
Ms Preeti Verma	02	02	ISSN: 2319-6130. ISSN: 2319-6130.
Dr Rekha Kumari	07	06	ISSN: 0976-6650 ISSN: 2250-1193 ISSN: 2250-1193 ISSN 0976-6650 ISSN 2277-6826 ISSN 0973-8762
Dr Jitender Kumar	05	05	ISSN 0976-9358 ISSN 0976-9358 ISSN 2249-6114 ISSN 2330-4184 ISSN 2320-4176
Mr Rajesh Kumar Mishra	05	05	ISSN: 2347-6605 ISSN: 2319 931 ISSN: 0973-8762 ISSN: 0973-8762 ISSN: 0973-8762

Faculty	Article/ Abstracts	Editing	Seminar/ Conference (Presented)	Seminar/ Conference (Participated)	Workshop/ training
Dr Promod Kumar Singh	2	3	7	7	9
Dr Sushil Kumari	--	--	6	4	3
Ms Preeti Verma	--	--	4	4	1

20. Areas of consultancy and income generated :

**Nil**

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards:

Faculty	Details
Dr Pramod Kumar Singh	1. Convener of <b>Natak-Nukkad-Samaroh</b> sponsored by Delhi Sanskrit Academy on 29 <sup>th</sup> January, 2015 at Maitreyi College 2. Convener of <b>SlokantyakshariPratiyogita</b> sponsored by Delhi Sanskrit Academy on 09 <sup>th</sup> January, 2015 at Maitreyi College 3. Coordinator, Enabling Unit of Maitreyi College in 2011, 2010.
Dr Sushil Kumari	Life time member of Delhi University Women's Association (DUWA) University of Delhi) from 10.07.2015.

22. Student projects:

a) Percentage of students who have done in – house projects including inter departmental/programme:

**100% of students have undertaken in- house projects as a part of University Course Curriculum.**

b) Percentage 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:

**Student Awards: B. A. (Hons) Sanskrit**

Event	No. of Students Participated	Date	Award
Sanskrit-Kavyali Pratiyogita (Daulat Ram College)	06	15/01/2015	Consolation prize 1 <sup>st</sup>
Shlokantyakshari Pratiyogita (Maitreyi College, University of Delhi)	03	09.01.2015	5 <sup>th</sup> prize, Consolation First & Third
Natak-Nukkad-Samaroh Pratiyogita (Maitreyi College, University of Delhi)	14	29.01.2015	1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup> & eight other prizes (Total Rs. 4300/-)
SanskritVithinatak-Ekanki Natak Pratiyogita on Swachchhatabhiyanam Ekanki Natak (Satyawati College)	09	20.02.2015	3rd prize
Sanskrit-Shloka-Sangeet competition (Kalindi College)	06	12/11/2014	Encouragement first prize
Shlokavritti Inter College competition (Rajdhani College)	01	2013-14.	2 <sup>nd</sup> prize
Kavyali Inter College competition (Rajdhani College)	06	2013-14	Consolation prize

## 24. List of Eminent speakers:

S. N.	Speaker	Affiliation
1.	Prof. Ram Karan Sharma	Ex. Vice-chancellor of K. S. D. Vishvavidyalaya & Sampurnanand Sanskrit Vishvavidyalaya
2.	Dr Shashi Tiwari	Vedic scholar & Ex. Faculty member, Maitreyi College
3.	Dr Dharmendra Kumar	Secretary, Delhi Sanskrit Academy
4.	Prof. Kamla Bhardwaj	Shri Lal Bahadur Rashtriya Sanskrit Vidyapeetha, New Delhi
5.	Dr Kalpana Jain	Shri Lal Bahadur Rashtriya Sanskrit Vidyapeetha, New Delhi

## 25. Seminars/ Conferences/ Workshops organized &amp; the source of funding (National/ International):

**Nil**

## 26. Student profile programme/course wise:

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. A.(Hons) Sanskrit	No information received from University	34	--	34	100

\*M = Male \*F = Female

## 27. Diversity of student:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. A. (Hons) Sanskrit	84.35	17.64	Nil

## 28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense services etc.?

**NO DATA AVAILABLE**

## 29. Student progression

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
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

- **Library:** It has a rich collection of Sanskrit books covering the entire syllabus which are constantly being updated with latest publications.
- **Internet facilities** are available for both students and staffs. Under the FYUP mode each student has been provided a Lap top with Wi-Fi facility.
- **Class rooms with ICT facility:** Audio & Video mode of teaching available in some classrooms.
- **Laboratories:** NA

## 31. Number of students receiving financial assistance from college, university, government or other agencies:

	I Year <b>B. A.(Hons)</b> Sanskrit	II Year <b>B. A.(Hons)</b> Sanskrit	III Year <b>B. A.(Hons)</b> Sanskrit
<b>2014-15</b>	Nil	2	7
<b>2013-14</b>	Nil	7	Nil
<b>2012-13</b>	5	Nil	Nil

32. Details of student enrichment programmes (special lectures/workshops/seminars) with external experts:

**The students of our department participate in various lectures and seminars organized by Waves, Delhi and Department of Sanskrit, South Campus, University of Delhi.**

33. Teaching methods adopted to improve student learning:

- **Lecture methods**
- **Special classes, tutorials etc.**
- **Use of Sanskrit audios/videos**
- **Use of computer & LCD projector whenever required**
- **Question-Answer method.**

34. Participation in Institutional Social Responsibility (ISR) and extension activities:

- The Students of Sanskrit department regularly participates in the Institutional Social Responsibility and Extension activities organized by the NSS Units, Enabling Unit and Equal opportunity cell of the College.
- Some students of Sanskrit department are working for writer and reader's bank, which is developed by Enabling Unit of the college for Persons with disabilities.
- Dr Pramod Kumar Singh of Department of Sanskrit is working as a coordinator for two very important committees related to social activities i.e. Enabling Unit and Equal Opportunity Cell.
- Dr Pramod Kumar Singh developed a writer & reader's bank for helping visually challenged students and faculty members.
- Dr Pramod Kumar Singh has attended many seminars/conferences/meetings/workshops related to various disabilities issues at time to time in different Institutes/NGOs. He was also invited to deliver lectures on issues related to disabilities by many colleges of University of Delhi. He also presented a paper on Intellectual Disability at Laxmibai College, University of Delhi.

35. SWOC analysis of the department and Future plans:

**A) SWOC analysis:**

**Strength:**

1. A satisfactory pass percentage.
2. Weekly organizing various competitions amongst students.

**Weakness:**



1. Lack of interdepartmental activity.

**Opportunities:**

1. To know the ancient Indian Literature better as most of the early Indian Texts are written in Sanskrit.
2. To encourage students to propagate the method of learning and protecting the ideological knowledge.

**Challenges:**

1. To make the subject more attractive so that the students can opt for it and enjoy learning for better future.
2. To improve the strength of students and motivate them in co-curricular activities.

**B) Future Plans**

- To organize various Sanskrit Sambhashan Shivir with collaboration of Sanskrit Academy, Delhi for development of Sanskrit Speaking Skills amongst students.
- To publish wall magazine.
- To organize various seminars/conferences/workshops.
- To encourage the use of ICT.
- To organize various competitions and presentation for the enhancement of their communication skills and knowledge.
- For motivation and encouragement of students in quality Sanskrit research, the department planned regular visits and interactive sessions with the students of Rashtriya Sanskrit Sansthan, Shri Lal Bahadur Rashtriya Sanskrit Vidyapeetha, Jawaharlal Nehru University etc.
- To inculcate respect & penchant for this ancient language using audio / video materials, books etc. of eminent scholars.

## Sociology Department

1. Name of the Department: **Sociology**
2. Year of Establishment: **1973**
3. Name of Programmes/ Courses offered: **B. A. (Hons) Sociology**
4. Name of interdisciplinary courses and the departments/units involved:
  - **B. A. programme (Six Semester course):**
    - **With departments of English, Hindi, History, Computer Science, Economics, Political Science**
  - **Allied Course (under erstwhile FYUP)**
  - **With department of Economics, English and History**
5. Annual/ Semester/choice based credit system (programme wise):  
**All Programmes are running in Semester mode.**
6. Participation of the department in the courses offered by other departments:  
**Same as in Point No 4.**
7. Courses in collaboration with other universities, industries, foreign institutions etc.: **Nil**
8. Details of courses/programmes discontinued with reasons:
  - **FYUP was discontinued by the University in the year 2014.**
9. Number of teaching posts

	<b>Sanctioned</b>	<b>Filled</b>
Professors	NA	NA
Associate Professors	6	4 (by promotion)
Assistant Professors		3 (One against leave vacancy)

### 10. Faculty profile

<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>Experience (yrs)</b>
Ms Manjula	M. Phil.	Associate Professor	Sociology of Education	35

Saxena				
Dr Mala Kapur Shankardass	Ph. D.	Associate Professor	Medical Sociology; Gerontology	30
Ms Anurita Jalan	M. Phil. (Pursuing Ph. D.)	Associate Professor	Family and Gender; Medical Sociology	24
Dr Gopi Devdutt Tripathy	Ph. D.	Associate Professor	Sociology of Religion	22
Dr Aruna Grover	Ph. D.	Assistant Professor (Ad-hoc)	Sociology of Education	7
Dr Rashi Bhargava	Ph. D.	Assistant Professor (Ad- hoc)	Political Sociology, Sociology of North-East India.	3
Ms Koyal Verma	M. Phil. (Pursuing Ph.D.)	Assistant Professor (Ad-hoc) (Against leave Vacancy since July 2014)	Urban Sociology	1.5

11. List of senior visiting faculty: A number of Senior Faculty from the University and other colleges have been visiting our department for delivering lectures and interacting with the students.

**For details see point no. 24.**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **55.3%**

13. Student teacher ratio (programme wise):

**B. A. (Hons) = 29:1 (179/7)**

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled:

**NA**

15. Qualifications of teaching faculty with D. Sc./D. Litt./Ph. D./M. Phil./PG:

**Details provided in point no. 10.**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grant received:

**Nil**

17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR etc. and total grant received:

**Nil**

18. Research centre/facility recognised by the university:

**Nil**

19. Publications:

<b>Name of the Teacher</b>	<b>Total No. of publications</b>	<b>No. of publications in last four years</b>	<b>ISSN/ISBN</b>
Dr Mala Kapur Shankardass	12	9	--
Dr Gopi Devdutt Tripathy	1	--	--
Dr Aruna Grover	1	--	--
Dr Rashi Bhargava	2	2	09700927
Ms Koyal Verma	3	3	ISSN: 2277-8160; ISSN: 2250-1991;ISSN: 2249-55x

<b>Faculty</b>	<b>Book Chapter</b>	<b>Books</b>	<b>ISBN</b>	<b>Newspaper article/ Magazine</b>	<b>Workshop/ Conference attended (last 4 years)</b>
Dr Mala Kapur Shankardass	4	2	ISBN:978-1-107-07332-6; ISBN:81-316-0281-8; ISBN:	10	10

			81-7646-381-7		
Ms Anurita Jalan	--	--	--	--	2
Dr Rashi Bhargava	1	--	ISBN: 978-81-7625-725-1	3	11

Publications per faculty (Last four years):

- Number of papers published in peer reviewed journals (national/international) by faculty (last 4 years) =  $14/7= 2$
- Number of publication listed in International Database (For eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host etc.): **2**

S. N.	Name of the faculty	Details
1	Dr Mala Kapur Shankardass	'The Right to be Safe: A Brief Review of Policies on Ageing from Selected Asian Countries within the Human Rights Perspective' In <i>Souvenir of International Workshop on Human Rights of Older Persons</i> by International Federation on Ageing and the Centre for Gerontological Studies, June, 2012.
2	Ms Rashi Bhargava	Nanda, Priya, Bhargava, Rashi et al. 2011. "Delaying Marriage for Girls in India: Formative Research to Design Interventions for Changing Norms". New Delhi: ICRW Publications. <a href="http://www.icrw.org/publications/delaying-marriage-girls-india">http://www.icrw.org/publications/delaying-marriage-girls-india</a>

Monographs – 1

S. N.	Name of the Faculty	Details
1.	Dr Mala Kapur Shankardass	' <i>Synthesis of Ageing Policies of select Asian countries and its relevance to the Indian context</i> ' for UNFPA and Institute for Social and Economic Change, Bangalore and Institute for Economic Growth, 2011.

20. Areas of consultancy and income generated:

**Nil**

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards:

National Committees

Name of the Faculty	Details
Dr Mala Kapur Shankardass	<ol style="list-style-type: none"> <li data-bbox="759 551 1319 734">1 Member of the International Advisory Committee for conferences of the Institute of Violence, Abuse and Trauma, San Diego, USA. (2010 till date)</li> <li data-bbox="759 763 1319 981">2 Chair for ASIA of the International Network for Prevention of Elder Abuse, an international NGO in Consultative Status with UN and working in 58 countries (2010 till date)</li> <li data-bbox="759 1010 1319 1339">3 Social Scientist Member of the Ethical Committee, International Centre for Genetic Engineering and Biotechnology (2010 till date) Chair for India of the International Network for Prevention of Elder Abuse, an international NGO in Consultative Status with UN and working in 58 countries (2004 to 2010)</li> <li data-bbox="759 1368 1319 1585">4 Chairperson of the Gender Sub Committee on Gender Perspectives on National Policy of Older Persons by Ministry of Social Justice and Empowerment, Government of India – 2010-11</li> <li data-bbox="759 1615 1319 1798">5 Member of the Core Group on Protection and Welfare of the Elderly Persons Constituted by National Human Rights Commission, Government of India. (2011 till date)</li> <li data-bbox="759 1827 1319 1890">6 Board Member of Godhuli. (2011 till date).</li> <li data-bbox="759 1919 1319 2024">7 Member of the Committee to Select Members for the Maintenance Tribunals and Appellate Tribunals,</li> </ol>

	<p>Department of Social Welfare, Govt. of NCT of Delhi, New Delhi. (2011-2013)</p> <p>8 Member of Centre for Policy Research Ethics Research Committee on Human Health. (2011-12)</p> <p>9 Vice President, Society for Applied Research in Humanities. (2012-14)</p> <p>10 Member of the Indian Council of Medical Research Committee for selection of projects in geriatrics. (2012-13)</p> <p>11 Member of the Governing Body of the Alzheimer's and Related Disorders Society of India, Delhi Chapter. (2000 till date)</p> <p>12 Member of the Expert Group 'Aspirations for the Elderly in India' constituted by the Planning Commission, Government of India. (2012-14)</p>
Dr Gopi Devdutt Tripathy	<p>1 Member of governing body of ASTHA (Alternative Strategies for The Handicapped) New Delhi from early 1990s till date.</p> <p>2 Visiting Faculty at ITM University, Gurgaon from 2008-2011. Taught a Sociology course of the University of London.</p> <p>3 Designed and conducted, together with Dr Achla Tandon of Department of Sociology, Hindu College, a two month certificate course. 'Understanding Society' in St. Stephen's College, University of Delhi in 2012-13.</p> <p>4 Member of a pilot project 'Reflecting on Environment Society and Individual' organized by the D.S. Kothari Centre for Science Ethics and Education. University of Delhi in 2012-13. Conducted an interdisciplinary course for one semester on the same theme in college.</p>

Ms Anurita Jalan	<ol style="list-style-type: none"> <li>1. Member of a pilot project 'Reflecting on Environment Society and Individual' organized by the D.S. Kothari Centre For Science Ethics and Education. University of Delhi in 2012-13. Developed a course on the same.</li> <li>2. Convener of the committee that organized the programme 'Science, Ethics and Education: A Dialogue', at the University of Delhi in January 2013.</li> <li>3. Life Member of the Gandhi Study Circle, Delhi since 2013</li> </ol>
Dr Rashi Bhargava	1 Life member of Indian Sociological Society since 2013 (LMI-3627)

#### Editorial Board

Name of the Faculty	Details
Dr Mala Kapur Shankardass	Member of the Editorial Board of The Journal of Adult Protection published from United Kingdom. (2009 till date)

#### **22. Student projects**

Every year a field trip is organized for the III year Honors students. After this the students make a presentation and submit a project report.

#### **23. Awards / Recognitions received by faculty and students:**

Name of Students	Details
Ms C. P. Shruthi and Ms Parika Bhatli - B. A. (hons) IInd year	<ul style="list-style-type: none"> <li>• Completed a two week internship (from 10.6.2013 to 22.6.2013), at Central Jail No. 2 Tihar, New Delhi. Written a research paper based on this study.</li> <li>• Internship with The Delhi Commission for Protection of Child Rights, Govt. of NCT of Delhi, 5<sup>th</sup> Floor, ISBT Building, Kashmere Gate New Delhi. (From 25.6.2013 to 16.7.2013). Written a paper 'Substance Abuse' based on this study.</li> </ul>



S. No	Name of the Faculty	Details
1.	Dr Mala Kapur Shankardass	<ul style="list-style-type: none"> <li>• ‘European Union Fellowship’ for post-doctoral research by European Studies Programme, University of Delhi, in collaboration with the European Union in 2011-12. Funding was through the University of Delhi.</li> <li>• Second KLN Award in September, 2014.</li> </ul>
2.	Ms Anurita Jalan	Awarded the ‘European Union Fellowship’ by European Studies Programme, University of Delhi, in collaboration with the European Union in 2010-11. Funding was through the University of Delhi.

#### 24. List of Eminent speakers

S. No.	Speaker	Theme	Affiliation	Year of Visit
1.	Prof. Savyasaachi	Deconstructing ‘Love Jihad’: Understanding religion in contemporary times	H.O.D Sociology, Jamia Millia Islamia, Delhi	2014-15
2.	Prof. Maitrayee Chowdhury	Understanding the Construction of ‘Self’ and the ‘Other.’	CSSS/SSS Jawaharlal Nehru University	2014-15
3.	Prof. Patricia Uberoi	Grafficity: Graffiti, Symbols and Urban Spaces.	Institute of Chinese Studies, Delhi.	2014-15
4.	Ms Anpu	Grafficity: Graffiti, Symbols and Urban Spaces.	Graffiti Artist, Delhi	2014-15
5.	Dr Anjali Bhatia	Fieldwork and sociology	Associate Professor, Deptt. of Sociology, Lady Shri Ram College, University of Delhi.	2014-15
6.	Mr Kabir Saxena	Buddhist meditation	Spiritual Coordinator, Tushita Meditation Centre, Delhi.	2013-14

7.	Dr Reema Bhatia	Narratives around river Yamuna	Associate Prof. Department of Sociology, Miranda House, University of Delhi	2013-14
8.	Prof. Rajni Palriwala	Racism in everyday life	Department of Sociology, University of Delhi	2012-13
9.	Ms Kavita Krishnan, Ms Nandini Rao Ms Kalyani Roy Menon	Feminist politics	Feminist Social Activists	2010-11
10.	Dr Anuja Aggarwal	Sex workers in Delhi	Department of Sociology, University of Delhi	2009-10
11.	Prof. Satish Deshpande	Research methods in sociology	Department of Sociology University of Delhi	2008-09
12.	Ms Aruna Roy	Gender inequality	President National Federation for Women.	2008-09
13.	Prof. Radhika Chopra	Masculinity	Department of Sociology, University of Delhi	2007-08

25. Seminars/ Conferences/ Workshops organized & the source of funding (National/ International):

S. No.	Title	Organized by	Funded by
1	Workshop on 'Urban Spaces and their Meaning' for UKIERI (United Kingdom-India Education Research Initiative)	Ms Rashi Bhargava and Ms Koyal Verma	Maitreyi College (2014-15)
2	Workshop on 'Research Methodology'	Ms Rashi Bhargava, Ms Koyal Verma, Dr Aruna Grover Dr Gopi Devdutt Tripathy	Deptt of Sociology Maitreyi College (2014-15)

3	<p>Four seminars organized during the Annual Sociology Department Fest- 'IMAGINE'-2015</p> <p>A) 'Deconstructing Love Jihad; Understanding Religion in Contemporary Times'</p> <p>B) 'Grafficity: Graffiti, Symbols and Urban Spaces.'</p> <p>C) 'Understanding the Construction of 'Self' and the 'Other.'</p> <p>D) 'Fieldwork and Sociology.'</p>	<p>Dr Savyasaachi, Jamia Millia Islamia</p> <p>Dr Patricia Uberoi, Dept of Chinese Studies, University of Delhi</p> <p>Ms Anpu, Graffiti Artist, Delhi</p> <p>Dr. Maitrayee Chaudhuri, CSSS/SSS/JNU</p> <p>Dr. Anjali Bhatia, LSR, University of Delhi</p>	<p>Deptt of Sociology Maitreyi College (2014-15)</p>
4	<p>Two workshops on Family in India for students of U. K. and U. S. A under two academic exchange programmes.</p>	<p>Dr Mala Kapur Shankardass, Ms Anurita Jalan and Dr Gopi Devdutt Tripathy</p>	<p>Maitreyi College (2013-14)</p>

## 26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. A. (Hons) Sociology	No information received from University	91	--	91	100

## 27. Diversity of students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. A. (Hons) Sociology	42.85%	57.14%	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense services etc.?:

**Nil**

29. Student progression:

<b>Student progression</b>	<b>Against % enrolled</b>
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M. Phil.	
PG to Ph. D.	
Ph. D. to Post – Doctoral	
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/ Self – employment	

30. Details of Infrastructural facilities

- a) **Library:** There is no department library. However, the college library has a rich collection of Sociology books and journals covering the entire syllabus which are constantly being updated with latest publications.
- b) **Internet facilities** are available for both students and staff. Each student has been provided with a Lap top which is wi – fi enabled.
- c) **ICT facility** is available in class rooms

31. Number of students receiving financial assistance from college, university, government or other agencies –

**In the year 2013-14, five students of I year and one of II year received financial assistance from the college.**

32. Details on student enrichment programmes (special lectures/workshops/seminars) with external experts:

**Details provided in point no. 24**

33. Teaching methods adopted to improve student learning:

Creative teaching and learning methods and keeping abreast with the technological advancements have been the hallmark of our teaching

process. The faculty members, apart from conventional black board teaching, have adopted new methods and initiated teaching with power point presentations, using videos, films on relevant social issues, lectures and workshops by experts in the field, interaction in small groups in tutorials, participation in inter college activities such that students are able to better understand the subject. Faculty members regularly organize visits to fields where students conduct research on a theme and on their return make presentation of their findings to the Department.

34. Participation in Institutional Social Responsibility (ISR) and extension activities:

S. No.	Theme	Place	Year	Organized By
1.	Religion, Politics and Culture: Identity Formation Among Tibetan Refugees in Delhi and Dharamshala.	Delhi- (Majnu ka Tila) and in Dharamshala	2014-15	Department of Sociology
2.	Study of the Golden Temple'	Amritsar	2013-14	Sociology & Punjabi Part funding by STS Infrastructures Pvt.Ltd. as a part of CSR (Corporate Social Responsibility))
3.	Social Change in a Rural Urban Setting	Lucknow	2012-13	Department of Sociology, Miatreyi College & Deptt of Sociology, University of Lucknow (Financial assistance of Rs 10,000 was given by the college. Rest of the expenses was borne by the students)
4.	Understanding Masculinities	Delhi	2011-12	Department of Sociology

5.	Gerontology: Understanding Old Age	Delhi	2010- 11	Department of Sociology
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S. No.	Activity	Venue	Year	Organized By
1.	Gender Sensitization Workshops	Delhi	2014 & 2015	Department of Sociology & Prachi Education Society
2.	Movie Screening- Khuda ke Liye	Maitreyi College	2014-15	Department of Sociology
3.	Inter-college Sociology Festival 'Imagine'- Reflection	Maitreyi College	2014-15	Department of Sociology
4.	Inter-college Sociology Festival 'Imagine' - Yeh Society Kya Hai Bhai!: Experiencing Society in Everyday Life	Maitreyi College	2013-14	Department of Sociology
5.	Awareness Campaign (Parivartan & Sacredness of Spaces)	Maitreyi College	2013-14	Department of Sociology
6.	M. N. Srinivas Declamation Contest' (Censorship and Media)	Maitreyi College	2012-13	Department of Sociology

35. SWOC analysis of the department and Future plans:

#### **Strengths**

- Faculty committed to innovative teaching and research.
- Active participation in curricular and co-curricular activities.

#### **Weaknesses**

- Need for opportunities in teaching at post graduate level.
- Lack of opportunities to guide research.

#### **Opportunities**

The introduction of new courses has given impetus to inter-disciplinary teaching

**Challenges**

- To help students who have a non - sociology background and those from different mediums, cope with the rigours of the academic requirements of the University of Delhi.
- Non-availability of rooms for the Departments where teachers can focus on updating themselves on their subject and creatively innovate methods of effective dissemination of knowledge to the students.

**Future Plans:**

- To build a departmental library
- To initiate an annual calendar of events and activities. This will include a series of workshops, lectures, interactive sessions etc.

## Zoology Department

1. Name of the department: **Zoology**
2. Year of Establishment: **1967**
3. Name of Programmes/Courses offered:  
**UG: B. Sc. (Hons) Zoology (6 Semester)**
4. Name of interdisciplinary courses and the departments/units involved:
  - **B. Sc. Programme (Life Science) with Department of Botany**
  - **B. Sc. Programme- Applied Life Science**
  - **B. Sc. (Hons) Chemistry with Department of Chemistry**
  - **B. Sc Physical Sciences with Department of Physics**
5. Annual/semester/choice based credit system (programme wise):  
**All Programmes are running in Semester mode.**
6. Participation of the department in the courses offered by other departments:  
**Same as in Point No 4.**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.:  
**Nil**
8. Details of courses/programmes discontinued (if any) with reasons:

S. No.	Name of the Course	Reason for Discontinuation
1.	B. Sc. Applied Life Sciences (Environmental Science)	Introduction of semester system in 2010
2.	B. Sc. Life Sciences	Introduction of FYUP in 2013
3.	Post-graduation diploma in Nanotechnology	Introduction of FYUP in 2013

9. Number of Teaching posts

	Sanctioned	Filled
Professors	NA	NA
Associate Professors	12	2 (Promoted under MPS/CAS)
Assistant Professors		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)
Dr Nita Aeron	Ph. D.	Associate professor	Insect Biochemistry and Physiology	31
Dr Versha Goel	M. Phil., Ph. D.	Associate professor	Insect Biochemistry and Physiology	25
Dr Jyoti Singh	M. Phil., Ph. D.	Assistant professor	Physiology, Biochemistry & Immunology	9
Dr Renu Gupta	M. Phil., Ph. D.	Assistant professor	Cell Biology, Environment Science, Ciliate Biodiversity and Taxonomy	14
Dr Brototi Roy	M. Phil., Ph. D.	Assistant professor	Immuno-Endocrinology and Reproductive Physiology	7
Dr Meena Yadav	Ph. D.	Assistant professor	Reproductive Physiology and Human biology, Developmental Physiology	7
Dr Archana Aggarwal	M. Phil., Ph. D.	Assistant Professor	Reproductive Physiology and Fish Biology	4.5
Dr Luni	Ph. D.	Assistant Professor	Reproductive physiology	3.5
Dr Rakhi Gupta	M. Phil., Ph. D.	Assistant Professor	Fish and Fisheries	7
Dr Jaspreet Kaur	Ph. D.	Assistant Professor	Molecular Biology	3.5

Name	Qualification	Designation	Specialization	Experience (in years)
Dr Shilpa Bharti	Ph. D.	Assistant Professor	Reproductive Biology	2
Dr Anshu Arora	Ph. D.	Assistant Professor	Cell & Molecular Biology	6.5
Dr Shalini Thakur	Ph. D.	Assistant Professor	Cell Biology	1

11. List of senior visiting faculty:

**Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Course	Year	Semester	% lectures by temporary faculty	% Practical by temporary faculty
B.Sc. (Hons) Zoology	2014-15	Odd	55%	65.4
		Even	20%	5

13. Student-Teacher Ratio (programme wise):

**B.Sc. Zoology (Hons)-11:01 (143/13)**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Lab Assistants	**	5
Lab Attendants	****	3

\*\*Total 41 for departments of Botany, Chemistry, Computer Science, Physics and Zoology

\*\*\*\*Total 30 for departments of Botany, Chemistry, Computer Science, Physics and Zoology

15. Qualifications of teaching faculty with D. Sc./D. Litt./Ph. D./M. Phil./PG.:

**Details provided in point no. 10.**

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:

**Under star college scheme 20 projects were undertaken**

18. Research Centre/facility recognized by the University:

**Nil**

19. Publications:

**Publication per faculty (last four years) = 32/13 = 2.46**

Faculty	Total No. of Publications	Number of Publications (last four years)	ISSN/ISBN
Dr Nita Aeron	2	--	--
Dr Versha Goel	4	--	--
Dr Jyoti Singh	3	1	ISSN No. 2395-2334
Dr Renu Gupta	10	1	ISSN:0932-4739
Dr Brototi Roy	7	2	ISSN No. 2395-2334 ISSN : 0447-9483
Dr Meena Yadav	4	3	ISSN:2248-9215 ISSN:2231-6345 ISSN:0974-0910
Dr Archana Aggarwal	7	5	ISSN: 0303-7207 ISSN: 1360-8185 ISSN:1098-2795 ISSN: 2008-076X ISSN:1098-2795
Dr Luni	4	4	ISSN: 0920-1742 ISSN: 0920-1742 ISSN: 0016-6480 ISSN: 0974-5645
Dr Rakhi Gupta	10	-	-

Dr Jaspreet kaur	11	9	ISSN-0378-1119 ISSN-0923:2508 Print ISSN- 0021-9193 ISSN- 1932-6203 ISSN- 1466-5026 Print ISSN- 0021-9193 Online ISSN: 2319-6599
Dr Shilpa Bharti	3	3	ISSN: 0016-6480 ISSN: 0015-0282 ISSN: 0303-7207
Dr Shalini Thakur	4	4	ISSN-1567-1348 ISSN-1938-2936 ISSN-1938-2936 ISSN-1932-6203

Faculty	Chapter in Books	Books with ISBN/ISSN No with details of publishers	Paper Presentation	
			National	International
Dr Brototi Roy	1	ISBN: 978-0-12-374930-7	--	2
Dr Meena Yadav	4	ISSN 2345-154X	1	--
Dr Jaspreet kaur	2 (ILLL)	ISSN 2345-154X ISSN 2345-154X	--	--
Dr Shilpa Bharti	1	ISBN: 978-93-82471-77-6	--	--
Dr Renu Gupta	--	--	--	12
Dr Luni	--	--	--	2

Faculty	Workshop organized/ Participated	Seminar	Symposium	Conference
Dr Nita Aeron	2	--	--	--
Dr Versha	3	--	1	--

Goel				
Dr Jyoti	6	1	3	--
Dr Renu Gupta	10	1	2	2
Dr Brototi Roy	4	--	2	--
Dr Meena Yadav	3	1	3	--
Dr Archana Aggarwal	7	--	3	1
Dr Luni	1	--	2	1
Dr Anshu Arora	6	--	--	--
Dr Rakhi Gupta	5	--	1	2
Dr Shilpa Bharti	2	--	2	3
Dr Jaspreet Kaur	--	--	--	2

20. Areas of consultancy and income generated:

**Nil**

21. Faculty as members in

a) National and b) international Committees

<b>Faculty</b>	<b>Committee</b>
Dr Renu Gupta	<ul style="list-style-type: none"> <li>• Reviewer for reviewing research manuscripts submitted to 'Journal of Eukaryotic Microbiology', 'Zoolozica Scripta', 'International Journal of Biodiversity and conservation', 'Journal of Horticulture and Forestry', and 'Zoological Journal of the Linnean Society' since 2009</li> <li>• Member of American Society of Microbiology</li> </ul>
Dr Brototi Roy	<ul style="list-style-type: none"> <li>• Jury member of DST-sponsored INSPIRE since 2011 till date</li> <li>• Member of International Federation of Comparative Endocrine Society (IFCES)</li> <li>• Member of Indian Society for Comparative</li> </ul>

	Endocrinology (ISCE)
Dr Nita Aeron	<ul style="list-style-type: none"> <li>• Jury member of DST-sponsored INSPIRE since 2011 till date</li> </ul>
Dr Archana Aggarwal	<ul style="list-style-type: none"> <li>• Member of Society of Andrology, India, SAI 3.1/88</li> </ul>
Dr Rakhi Gupta	<ul style="list-style-type: none"> <li>• Member of 'The Indian Society for Parasitology'</li> <li>• Member of 'The Indian Science Congress'</li> </ul>
Dr Luni	<ul style="list-style-type: none"> <li>• Member of Asia and Oceania society for Comparative Endocrinology</li> </ul>

## 22. Student projects

## a) Percentage of students who have done in-house projects including interdepartmental/programme:

Project year	No. of Students involved	Title of project
2009-2013	15	Collection and culture of some common insects to study their life cycle.
	10	Isolation of Plasmid DNA from <i>E. coli</i> .
	15	Culturing, growth and maintenance of laboratory organisms: <i>E. coli</i> & <i>Blepharisma</i> .
	14	Isolation and estimation of protein from <i>E. coli</i> .
	3	Cytotoxicity assay in the eukaryotic microbial organism <i>Blepharisma</i> .
	11	Computer aided diet analysis for different age groups.
	10	Study of Animal Breeding Centre: a report on visit to the centre.
	15	Familiarization of a Tissue Culture Laboratory: Maintenance & use.
	16	Study of conservation methods by way of wildlife sanctuary visit.
	15	Report on collection and storage techniques of insects and biological control methods.
	21	Analysis of various methods of solid waste management and rehabilitation of street children to improve the physical & social environment.
	9	Critical evaluation of the applications of solar energy.

	14	Collection and culture of some common insects to study their life cycle.
2014-2015	5	A region wise study of milk adulteration in Delhi and NCR
	4	Effect of various solute concentrations on the membrane permeability of the RBCs in human blood
	1	Pedigree analysis of inheritance of hazel eye colour in humans in North India
	3	Chemical analysis of potable water samples from various sources in Delhi
	4	Comparative analysis of various media and food source on culturing of the eukaryotic microbe <i>Blepharisma</i>
	4	Elucidation of Phylogenetic Status of <i>Blepharisma</i> sp. from Delhi, India: Congruence of Classical and Molecular Markers
	4	Forest Fires – Case studies with occurrence and after effects (theoretical project)
	10	Physical, Chemical and biological analysis of different water samples (tap water, pond water, Yamuna water)
	14	Study on various beneficial products of different insects.

**Special Achievement:** 4 papers have been published from these projects.

- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:  
**No formal data available.**

23. Awards/Recognitions received by faculty and students:

**Faculty Awards:**

Faculty	Award/Recognitions
Dr Versha Goel	‘Distinguished Teacher Award’ from Delhi University in 2009 based on the Feedback from the students.
Dr Renu Gupta	1. Best Poster Presentation entitled ‘Oxytrichid ciliate biodiversity from the river Yamuna, Delhi, India’ at 2nd Asian congress of Protistology and Ninth Asian Conference on Ciliate Biology organized by Kalyani University, Kalyani, India (2014).

	2. Co-authored a paper awarded as the Best Oral Presentation entitled 'Inferring Phylogenetic Position of an Indian Isolate Tetmemena sp. (Ciliophora, Oxytrichidae) Using Morphological, Morphogenetic and Molecular Markers' in 2nd Asian congress of Protistology and 9th Asian Conference on Ciliate Biology organized by Kalyani University, Kalyani, India (2014).
Dr Brototi Roy	'Best Student Oral presentation' at the XV International Conference of Comparative Endocrinology held at Boston, Massachusetts from May 22-27, 2005.
Dr Archana Aggarwal	Publication titled 'Adverse effects associated with persistent stimulation of Leydig cells with hCG in vitro. Mol Reprod Dev; 2009', was selected for 11th Royan International Research Award.

### Student Awards

- **Ms Priyanka** was selected by the Delhi University under Global Citizenship Program for young Leaders for a visit to Australia (Year). She also received Late Dr. Sita Srivastva All Round Student Award (2011-12).
- **Chitra Bhardwaj** was awarded third prize for poster presentation in one day symposium, Recent trends in Biology (2015) held at Maitreyi College.

24. List of eminent academicians and scientists/visitors to the department:

Name of the visiting faculty	Affiliation	Year
Prof. K. Muralidhar	Professor and J. C. Bose Fellow, South Asian University	2015
Prof. Rup Lal	Professor, University of Delhi	2015
Prof. Anju Shrivastava	Professor, University of Delhi	2014
Dr N. P. S. Chauhan	Director, Amity Institute of Wild life Sciences	2014
Prof. M. M. Chaturvedi	Director, ILL, University of Delhi	2011
Prof. Rup Lal	Professor, University of Delhi	2010



25. Seminars/Conferences/Workshops organized & the source of funding (National/International):

S. N.	Title	Organized By	Year	Funded By
1	Recent Trends In Biology	Department of Zoology	February 26, 2015	Star College Scheme, Department of Biotechnology
2	Reproductive Physiology	Department of Zoology	2014	Star College Scheme, Department of Biotechnology
3	Bioinformatics	Department of Zoology	February 23-24, 2011	Competence building scheme, UGC
4	Molecular Biology Techniques: Detecting DNA, RNA and Proteins	Department of Zoology	July 14-20, 2011	Star College Scheme, Department of Biotechnology
5	Safe Lab Practices	Department of Zoology	June 1-3, 2010	Star College Scheme, Department of Biotechnology
6	Upgrading Laboratory Skills in Science	Department of Zoology	June 24-30, 2010	Star College Scheme, Department of Biotechnology

26. Student profile programme/course-wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage (2013-14)
			*M	*F	
B. Sc. (Hons) Zoology	No information received from University	66	--	66	100
B. Sc. Life Sciences		90	--	90	100

\*M=Male \*F=Female

## 27. Diversity of Students

Name of the Course	% of students from the same states	% of students from other States	% of students from abroad
B. Sc. (Hons) Zoology	21.42	78.57	NIL
B. Sc. Life Sciences	43.33	56.66	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:

**No data available.**

## 29. Student progression

Student progression	Against % enrolled
UG to PG	<b>NO DATA AVAILABLE</b>
PG to M. Phil.	
PG to Ph. D.	
Ph. D. to Post – Doctoral	
<b>Employed</b> <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurship/Self employment	

## 30. Details of Infra structural facilities

- a) **Library** – The college library contains a number of books related to subject and is used by the faculty as well as the students. Also the department has a library which provides books to the students.
- b) **Internet facilities for staff and students** – 2 Laptop and 2 projector provided to the department. I year students provided with one laptop each from the University.
- c) **Total number of class rooms-** 1 Zoology room with a capacity of 25-30 students, 2 lecture theatres, shared among science departments.
- d) **Class rooms with ICT facility-** Wi-Fi in the entire college and

portable projector used in the classes.

e) **Students' laboratories**

3 laboratories with a capacity of 20 students each

1 Zoology museum with well-preserved animal specimens

f) **Research laboratories: Nil**

31. Number of students receiving financial assistance from college, university, Government or other agencies:

**Four students from I year (2013-14) and one student from II year (2012-2013) of B. Sc. (Hons) Zoology have received financial assistance from the college.**

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts:

Year	Lecture	Seminar	Workshop/ Symposia	Visits
<b>2014-15</b>	3	--	3	4
<b>2013-14</b>	2	1	1	1
<b>2011-12</b>	1	—	2	3
<b>2010-11</b>	1	—	1	1

33. Teaching methods adopted to improve student learning Teaching methods:

- Holding group discussions and thereby students are encouraged to ask questions that help in the general understanding and interaction of students.
- Field trips are organized on regular basis for better understanding of the subject *ie.* Yamuna Biodiversity Park; School of Life Science, JNU; University Science Instrumentation Centre (USIC); India Gate; Okhla Bird Sanctuary; National Museum of Natural History. Field trips are often followed by class room discussions.
- Incorporation of new technologies into instruction methods, such as audio-visual/PowerPoint presentations and use of online (World Wide Web) course components in addition to blackboard teaching.
- Holding of seminars- Seminars by students are also arranged at regular interval so that they gain confidence and have a better understanding of the course materials

- Organization of lectures by eminent speakers.
- Hands-on experience for practical related to the curriculum are demonstrated and then experiments are performed
- Movies related to their syllabus and curriculum are screened.
- First year students are all provided with the laptops which enable them to make their projects/ presentations with a lot more ease.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Contribution in the manual prepared under Star College scheme
- Few faculty members were involved in development and structuring of Biology syllabus for PG Diploma in Nanotechnology taught in Maitreyi College and actively involved in conducting practicals of PGDN course
- Dr. Jaspreet Kaur: e-lessons for graduate students under National Mission on Education (NME), Institute of Life Long Learning (ILLL)

35. SWOC analysis of the department and Future plans

**Strength**

- Extremely well qualified teachers with specialization in a variety of subjects.
- Dedicated, co-operative and well trained laboratory staff.
- Well-equipped laboratories having sophisticated instruments.

**Weakness**

No central research facility where faculty can pursue research work

**Opportunities**

The Star College scheme provides some support to the student research work

**Challenges**

Exploring possibilities of collaborative research.

**Future Plans:**

- To involve students in minor research projects.
- Develop a common instrumentation lab.
- Organization of the symposium 'Recent Trends in Biology' at national level.
- Workshop to be arranged for teachers of adjoining states.

- The work done in the projects to be communicated for publication in journals.
- Summer training in specialized laboratories for students.
- New student projects to be initiated involving interdisciplinary approach.
- Facilitate student visits to industries.

## ABBREVIATIONS

APAR	: Annual Performance Assessment Report
BITS	: Birla Institute of Technology and Science
BMI	: Basal Metabolic Index
BOD	: Biological Oxygen Demand
CS	: Company Secretary
CAT	: Common Admission Test
CBCS	: Choice Based Credit System
CEMCA	: Commonwealth Educational Media Centre for Asia
CIF	: Central Instrumentation Facility
CII	: Confederation of Indian Industries
CISF	: Central Industrial Security Force
CMAT	: Common Management Admission Test
CPWD	: Central Public Welfare Department
CSAT	: Civil Service Aptitude Test
CSIR	: Council of Scientific and Industrial Research
CSS	: Centre for Social Studies-JNU
SSS	: School of Social Sciences-JNU
JNU	: Jawaharlal Nehru University
DBMS	: Database Management System
DBT	: Department of Biotechnology
DNA	: Deoxy Ribose Nucleic Acid
DoE	: Directorate of Education
DRDO	: Defence Research and Development Organization
DST	: Department of Science and Technology
DU	: University of Delhi
DULS	: Delhi University Library System
ECA	: Extra Curricular Activities
ECG	: Electrocardiogram
EOC	: Equal Opportunity Cell
FYUP	: Four Year Undergraduate Programme
GB	: Governing Body
HIV	: Human Immunodeficiency Virus
HRD	: Human Resource Development
IACT	: Institute for Advance Computer Technology
IAPT	: Indian Association of Physics Teachers
ICSSR	: Indian Council of Social Science Research
ICT	: Information and Computer Technology
IGIB	: Institute of Genomic and Integrative Biology
IGNOU	: Indira Gandhi National Open University
IITM	: Institute of Technology & Management
ILLL	: Institute of Life Long Learning
IMI	: International Management Institute
INFLIBNET	: Information and Library Network
INSA	: Indian National Science Academy
IQAC	: Internal Quality Assurance Cell
ISR	: Institutional Social Responsibility
IT	: Information Technology
ITBP	: Indo-Tibetan Border Police

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IUAC	: Inter University Accelerator Centre
IUCAA	: Inter-University Centre for Astronomy and Astrophysics
LAN	: Local Area Network
LASTEC	: Laser Science and Technology Centre
MHRD	: Ministry of Human Resource & Development
MIPS	: Microscope Image Projection System
NAAC	: National Accreditation & Assessment Council
NBPGR	: National Bureau of Plant Genetic Resources
NCC	: National Cadet Core
NCERT	: National Council of Educational Research and Training
NCWEB	: Non Collegiate Women's Education Board
NDMC	: New Delhi Municipal Corporation
NDRF	: National Disaster Response Force
NGO	: Non-Government Organization
NIC	: National Informatics Centre
NIDM	: National Institute for Disaster Management
NIPGR	: National Institute of Plant Genomic Research
NKN	: National Knowledge Network
N-LIST	: National Library and Information Services
NPL	: National Physics Laboratory
NPTEL	: National Programme on Technology Enhanced Learning
NSS	: National Service Scheme
ODL	: Object Description Language for Lexican
OER's	: Officer Evaluation Record System
OPAC	: Online Public Access Catalog
PAS	: Performance Appraisal Systems
PCR	: Polymerase Chain Reaction
PGDN	: Post Graduation Diploma in Nanotechnology
PwD	: Persons with Disability
SOL	: School of Open Learning
SSPL	: Solid State Physical Laboratory
TIC	: Teacher-in-charge
UGC	: University Grant Commission
UKIERI	: United Kingdom-India Education Research Initiative
UKIERI-SIP	: UKIERI-Study India Programme
UKIERI-SUP	: UKIERI-Study UK Programme
UPSC	: Union Public Service Commission
USIC	: University Science Instrumentation Center
VLE –DU	: Virtual Learning Environment, DU
WAN	: Wide Area Network
WDC	: Women Development Cell





# UNIVERSITY OF DELHI

## दिल्ली विश्वविद्यालय

CB-II/330/Circular/70/NAAC/2014/256

Dated: May 08, 2014

### TO WHOM IT MAY CONCERN

This is to certify that "Maitreyi College, Babu Dham Complex, Chanakypuri, New Delhi – 110 021" is affiliated with the "UNIVERSITY OF DELHI" since 1967 and recognized by the University Grants Commission under Section 2(f) and 12(b). The following courses / subjects are taught in the said college as per approval :

Sl. No.	Name of the Course(s) and Duration	Affiliation		Period of Validity for the year(s)		
		Permanent	Temporary			
(I)	Under-graduate (On or Before Academic Session 2012)	B.A. Programme	3 years	Permanent	-	-
		B.Com. Programme	3 years	Permanent	-	-
		B.Com. Hons.	3 years	Permanent	-	-
		B.A. (Hons.) - Economics	3 years	Permanent	-	-
		B.A. (Hons.) – English	3 years	Permanent	-	-
		B.A. (Hons.) – Hindi	3 years	Permanent	-	-
		B.A. (Hons.) – History	3 years	Permanent	-	-
		B.A. (Hons.) – Pol.Science	3 years	Permanent	-	-
		B.A. (Hons.) – Sociology	3 years	Permanent	-	-
		B.A. (Hons.) – Sanskrit	3 years	Permanent	-	-
		B.Sc. (Hons.) – Botany	3 years	Permanent	-	-
		B.Sc. (Hons.) – Mathematics	3 years	Permanent	-	-
		B.Sc. (Hons.) – Physics	3 years	Permanent	-	-
		B.Sc. (Hons.) – Chemistry	3 years	Permanent	-	-
		B.Sc. (Hons.) – Zoology	3 years	Permanent	-	-
	B.Sc. Physical Science	3 years	Permanent	-	-	
	B.Sc. Life Science	3 years	Permanent	-	-	
	Under-graduate (On or After Academic Session 2013) – under FYUP Scheme	Commerce	4 years	Permanent	-	-
		B.A. (Hons.) - Economics	4 years	Permanent	-	-
		B.A. (Hons.) – English	4 years	Permanent	-	-
		B.A. (Hons.) – Hindi	4 years	Permanent	-	-
		B.A. (Hons.) – History	4 years	Permanent	-	-
		B.A. (Hons.) – Pol. Science	4 years	Permanent	-	-
		B.A. (Hons.) – Sociology	4 years	Permanent	-	-
		B.A. (Hons.) – Sanskrit	4 years	Permanent	-	-
		B.Tech – Computer Science	4 years	Permanent	-	-
		B.Sc. (Hons.) – Mathematics	4 years	Permanent	-	-
		B.Sc. (Hons.) – Physics	4 years	Permanent	-	-
B.Sc. (Hons.) – Zoology		4 years	Permanent	-	-	
B.Sc. (Hons.) – Botany		4 years	Permanent	-	-	
B.Sc. (Hons.) – Chemistry	4 years	Permanent	-	-		

Contd.....P/2





# UNIVERSITY OF DELHI

दिल्ली विश्वविद्यालय

-2-

(II)	Post-graduate	M.A. (Pol. Science)	2 years	Permanent	-	-
		M.Sc. (Mathematics)	2 years	Permanent	-	-

*Alka Sharma*

Ms. Alka Sharma

Registrar

Seal *University of Delhi*  
*Delhi - 110007.*

The Principal,  
Maitreyi College,  
University of Delhi.



# UNIVERSITY OF DELHI

## दिल्ली विश्वविद्यालय

CB-II/330/Circular/70/NAAC/2014/506

Dated: September 17, 2014


### TO WHOM IT MAY CONCERN

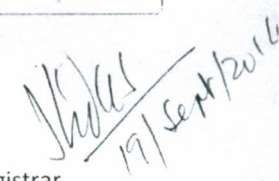
➤ This is to certify that "Maitreyi College, Babu Dham Complex, Chanakypuri, New Delhi – 110 021" is affiliated/constituent with the "UNIVERSITY OF DELHI" since 1967 and recognized by the University Grants Commission under Section 2(f) and 12(b). The following courses / subjects are taught in the said college as per approval :

Sl. No.	Name of the Course(s) and Duration	Affiliation		Period of Validity for the year(s)		
		Permanent	Temporary			
(I)	Under-graduate (On or Before Academic Session-2012)	B.A. Programme	3 years	Permanent	-	-
		B.Com. Programme	3 years	Permanent	-	-
		B.Com. Hons.	3 years	Permanent	-	-
		B.A. (Hons.) - Economics	3 years	Permanent	-	-
		B.A. (Hons.) – English	3 years	Permanent	-	-
		B.A. (Hons.) – Hindi	3 years	Permanent	-	-
		B.A. (Hons.) – History	3 years	Permanent	-	-
		B.A. (Hons.) – Pol.Science	3 years	Permanent	-	-
		B.A. (Hons.) – Sociology	3 years	Permanent	-	-
		B.A. (Hons.) – Sanskrit	3 years	Permanent	-	-
		B.Sc. (Hons.) – Botany	3 years	Permanent	-	-
		B.Sc. (Hons.) – Mathematics	3 years	Permanent	-	-
		B.Sc. (Hons.) – Physics	3 years	Permanent	-	-
		B.Sc. (Hons.) – Chemistry	3 years	Permanent	-	-
		B.Sc. (Hons.) – Zoology	3 years	Permanent	-	-
		B.Sc. Physical Science	3 years	Permanent	-	-
(a) with Chemistry	3 years	Permanent	-	-		
(b) with Computer	3 years	Permanent	-	-		
B.Sc. Life Science	3 years	Permanent	-	-		
(II)	Under-graduate (Academic Session 2013-14 under FYUP Scheme)	B.Tech. Computer Science (already admitted for academic year 2013-2014)*	4 years	-	Temporary	-
(III)	Post-graduate	M.A. (Pol. Science)	2 years	Permanent	-	-
		M.Sc. (Mathematics)	2 years	Permanent	-	-

\* Subject to appropriate approval of Regulatory Bodies such as UGC & AICTE.

The Principal,  
Maitreyi College,  
University of Delhi.

  
Vice-Principal  
Maitreyi College, New Delhi-21

  
Registrar  
Seal: Registrar  
University of Delhi  
Delhi-110007





**All India Council for Technical Education**  
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 002  
Phone: 23724151/52/53/54/55/56/57 FAX: 011-23724183 [www.aicte-india.org](http://www.aicte-india.org)

F. No. AICTE/NWRO/DU Colleges/MC/1-2558093871/2013-14

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	1-2558093871
Name of the Institute	MAITREYI COLLEGE,	Institute Address	(UNIVERSITY OF DELHI) BAPU DHAM COMPLEX, CHANAKYAPURI, NEW DELHI - 110021
Institute Type	Government aided		

to conduct following courses with the intake indicated below for the academic year 2013-2014

Application Id : 1-2558093871				Course	Full / Part Time	Affiliating Body	Intake for 2013-14 as certified by University of Delhi	PIO	NRI
S. No.	Programme	Shift	Level						
1	ENGINEERING AND TECHNOLOGY	Ist Shift	UG	COMPUTER SCIENCE	Full Time	University Of Delhi	37	NA	NA

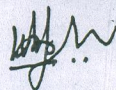
**All Institutions shall fulfill the following general conditions:**

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

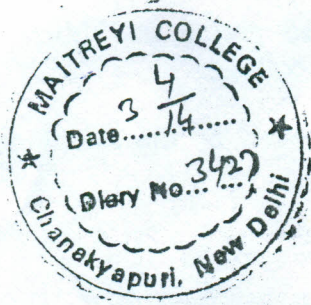


**Dr P.B. Ullagaddi**  
Advisor-II (Approval Bureau)

Copy to:

1. **The Regional Officer,**  
Plot No. 1A, 5<sup>th</sup> 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,**  
Maitreyi College,  
(University of Delhi)  
Bapu Dham Complex,  
Chanakyapuri, New Delhi - 110021
6. **Guard File(AICTE)**





No. BT/HRD/11/016/2008  
Government of India  
Ministry of Science & Technology  
Department of Biotechnology

Dr. Renuka Kashya  
Sr. P.A.  
2008044  
Vice-Principal  
Block No. 2, 6-8<sup>th</sup> Floor 0310411  
CGO Complex, Lodi Road  
New Delhi-110003  
Dated: 25/02/2014

### ORDER

In terms of this Department's sanction order of even no. dated.17.05.2012 sanction of the President is hereby accorded under Rule 18, of the delegation of Financial Power Rules, 1978 to the release of an amount of ₹ 12.67 lakhs (Rupees twelve Lakhs and sixty seven thousand only) to Maitreyi College, Bapu Dham Complex, Chanakya Puri, New Delhi-110021 being the first year release of the extended period under recurring head for the implementation of the project for strengthening of Life Science and Biotechnology Education and Training at undergraduate level under Star College Scheme for the financial year 2013-14 as per details given below:-

Head	(₹ in lakhs) Amount
<u>Recurring</u> to all five Deptts. @ ₹ 3.00 lakhs per year (Physics, Chemistry, Botany, Zoology and Mathematics)	12.00
<u>Travel Grant (Mentoring, Monitoring and Site Visit)</u>	1.00
<u>Less interest earned from DBT Grant and Balance amount</u>	0.19+0.14= (-)0.33
<b>Total:</b>	<b>12.67</b>

2. The amount of ₹ 12.67 lakhs (Rupees Eleven lakhs only) will be drawn by the Drawing and Disbursing Officer, DBT from the Pay and Accounts Officer, DBT and disbursed to the Principal, Maitreyi College, Bapu Dham Complex, Chanakya Puri, New Delhi-110021 through electronic transfer/RTGS as per the details are given below:-

Name of the Bank	Punjab National Bank
Branch Name & Address	Maitreyi College, Bapu Dham Complex
Account No.	0162010100015212
Account Type	Saving
IFSC Code	PUNB0615000
MICR Code	110024488

3. Approval is also granted to carry forward an unspent amount of ₹ 13,670/- (Rupees thirteen thousand six hundred and seventy only) from the previous financial year to the current financial year. The amount may be utilized under the same heads for which the release has been made earlier.
4. The institute/agency will keep the whole of the grant in a bank account earning interest, and the interest so earned should be reported to DBT in the utilization certificate and statement of expenditure. The interest so earned will be treated as a credit to the institute/agency and shall be adjusted towards further installment of the grant and/or at the time of final settlement of accounts.

Continued...2/-



5. Being the first release to the programme of the extended period no Utilization Certificate pertaining to this programme is required with the college.
6. The accounts of grantee institution shall be open to inspection by the sanctioning authority/audit.
7. The terms and conditions of the grant remain unchanged.
8. The expenditure involved is debitable to:  

Demand No. 87	:	Department of Biotechnology,
3425	:	Other Scientific Research (Major Head)
60	:	Others (Sub Major Head)
60.200	:	Assistance to Other Scientific Bodies (Minor Head)
17	:	Human Resource Development
17.08	:	Human Resource Development Programmes
17.08.31	:	Grants-in-Aid General
9. This issues under powers delegated to this Dept. and with the concurrence of IFD vide their San No. 102/IFD/SAN/5133/2013-14 dated.21.02.2014
10. This sanction order has been noted at serial No...126.....in the register of grants.

*Sandhya R. Shenoy*  
(Dr. Sandhya R. Shenoy)  
Scientist-D

To,  
The Pay & Accounts Officer  
Department of Biotechnology  
New Delhi-110003

Copy to:

- 1) The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi-110002
- 2) Cash Section, DBT,(2 Copies)
- ✓ 3) The Principal, Maitreyi College, Bapu Dham Complex, Chanakya Furi, New Delhi-110021.
- 5) Sanction Folder

*Sandhya R. Shenoy*  
(Dr. Sandhya R. Shenoy)  
Scientist-D

16/5/14

3707

**ORDER**

In continuation of this department's sanction order of even no. dated.25.02.2014 sanction of the President is hereby accorded under Rule 18, of the delegation of Financial Power Rules, 1978 to the release of an amount of ₹ 40.00 lakhs (Rupees forty lakhs only) to Maitreyi College, Babu Dham Complex, Chanakya Puri, New Delhi-110021 being the extented period of first year release under non-recurring head for the implementation of the project for strengthening of life science and biotechnology education and training at undergraduate level under Star College Scheme for financial year 2013-14, as per details given below:-

Head	(₹ In lakhs) Amount
<b>Non-Recurring</b> Equipment @ ₹ 10.00 lakhs per deptt. (Physics, Chemistry, Botany and Zoology)	40.00

- The amount of ₹ 40.00 lakhs (Rupees forty lakhs only) will be drawn by the Drawing and Disbursing Officer, DBT from the Pay and Accounts Officer, DBT and disbursed to The Principal, Maitreyi College, Babu Dham Complex, Chanakya Puri, New Delhi-110021 through electronic transfer/RTGS as per the details are given below:-

Name of the Bank	Punjab National Bank
Branch Name & Address	Maitreyi College, Babu Dham Complex
Account No.	0162010100015212
Account Type	Saving
IFSC Code	PUNB0615000
MICR Code	110024488

- The accounts of grantee institution shall be open to inspection by the sanctioning authority/audit.
- The terms and conditions of the grant remain unchanged.
- Being the first release to the programme no Utilization Certificate/Statement of Expenditure pertaining to this programme is required from the college.
- Non-recurring grant shall be utilized within 6 months of their release.

Continued..2/-



-2-

7. The institute/agency will keep the whole of the grant in a bank account earning interest, and the interest so earned should be reported to DBT in the utilization certificate and statement of expenditure. The interest so earned will be treated as a credit to the institute/agency and shall be adjusted towards further installment of the grant and/or at the time of final settlement of accounts.
8. The Non-recurring grant for F.Y 2013-14 was not released due to non-availability of funds and this may be treated as revalidated case.
9. The expenditure involved is debitable to:
- |               |   |  |
|---------------|---|--|
| Demand No. 88 | : | Department of Biotechnology,                       |
| 3425          | : | Other Scientific Research (Major Head)             |
| 60            | : | Others (Sub Major Head)                            |
| 60.200        | : | Assistance to Other Scientific Bodies (Minor Head) |
| 17            | : | Human Resource Development                         |
| 17.08         | : | Human Resource Development Programmes              |
| 17.08.35      | : | Grants for creation of capital assets              |
10. This issues under powers delegated to this Dept. and with the concurrence of IFD vide their San No. 102/IFD/SAN/11/2014-15 dated 01.05.2014
11. This sanction order has been noted at serial No... 2... in the register of grants.

*Sandhya R. Shenoy*  
 (Dr. Sandhya R. Shenoy)  
 Scientist-D

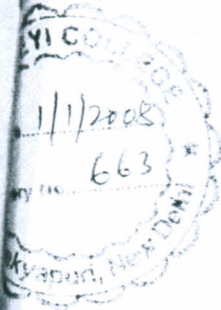
To,  
 The Pay & Accounts Officer  
 Department of Biotechnology  
 New Delhi-110003

Copy to:

- 1) The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi-110002
- 2) Cash Section, DBT, (2 Copies)
- 3) The Principal, Maitreyi College, Bala Dham Complex, Chanakya Puri, New Delhi-110021.
- 4) Sanction Folder

*Sandhya R. Shenoy*  
 (Dr. Sandhya R. Shenoy)  
 Scientist-D





**Department of Environment**  
Govt. of NCT of Delhi  
6<sup>th</sup> Level, C – Wing, Delhi Secretariat  
I.P. Estate, New Delhi – 110 002  
Ph: 23392032; Fax: 23392029  
Email: ecoclub\_delhigovt@yahoo.com

No. F9 (1)/EC/Env./2007-08/ 16677

Dated: 12/12/07

To,

The principal,

*URGENT*  
*Soyabito for na.*  
*for*  
*31/12/07*

Dear sir/madam

As you are aware, the Department of Environment, Government of NCT of Delhi has a plan scheme called Eco-Clubs in colleges to sensitize the students on various environmental issues. Under the scheme, Department of Environment provides a grant of Rs. 10000 to each college of Delhi for setting up of Eco-club.

Please find enclosed herewith the format for applying Eco-club. The same may be submitted to the undersigned for grant of Eco-club immediately.

Yours sincerely,

*B.C. Sabata*  
*12/12/07*  
(Dr. B.C. Sabata)  
Sr. Sci. Officer (Env.)

**Department of Environment**  
**Government of NCT of Delhi**  
**Level 6, C – Wing, Delhi Secretariat, I.P. Estate,**  
**New Delhi – 110002**  
**Tele: 23392032**  
**Email: ecoclub\_delhigovt@yahoo.com**

F.9/Ec/Env/2013-14/ 5832

Dated: 25-10-13


To,  
Principal / Director/ Registrar,

Dear Sir/Madam,

Department of Environment, Govt. of NCT of Delhi has a plan scheme called Eco-Clubs in schools and colleges of Delhi to sensitize the students on environmental issues. Under the scheme an annual grant of Rs. 20,000/- is given to each School/College/ Institutions of Delhi for setting up of Eco-Club. So far, about 2000 Eco-clubs have been established in various schools and colleges of Delhi. Your institution deals with a large number of students who can be sensitized on environmental issues through the eco-clubs.

I request you to avail the benefit of this Govt. plan scheme. The prescribed form is attached herewith which can be filled up and submitted by 20<sup>th</sup> Nov, 2013. Also send the utilization certificate and annual report of previous financial year i.e., 2012-13. The undersigned can be contacted for further clarification at 23392032, 9717593506(M).

Yours Faithfully

  
(Dr. B. C. Sabata)  
(Senior Scientific officer)

Enclosed-

1. Eco-Club Format
2. Utilization Certificate



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**

**BALANCE SHEET AS AT : 31ST MARCH 2011**

(Amount in Rupees)

PRE. YEAR AMOUNT	LIABILITIES	SCH. NO.	CURRENT YR. AMOUNT	CURRENT YR. AMOUNT	PRE. YEAR AMOUNT	ASSETS	SCH. NO.	CURRENT YR. AMOUNT	CURRENT YR. AMOUNT
54,100,769.70	CAPITAL FUND (FIXED ASSETS)	A		61,202,483.70	54,100,769.70	FIXED ASSETS	B		61,202,483.70
1,259,921.54	BUILDING CONSTRUCTION FUND	C		1,304,332.54	1,259,921.54	BUILDING CONSTRUCTION FUND	D		1,304,332.54
						INVESTMENT			
320,096,917.98	STAFF PROVIDENT FUND	E		338,594,514.43	320,096,917.98	STAFF PROVIDENT FUND	E		338,594,514.43
87,773,840.43	SPECIAL GRANT	F		84,972,932.43	17,752,837.80	STUDENT FUND	H		19,523,619.80
17,752,837.80	STUDENT FUND	G		19,523,619.80		<u>(A) CURRENT ASSETS</u>			
	<u>CURRENT LIABILITIES</u>				43,800,000.00	FDR with PNB (OBC Grant)			45,030,000.00
488,413.50	SUNDRY CREDITORS	I		1,051,021.50		Interest Accrued (OBC FDR's)			966,894.00
						Balance in Saving Fund Account			
3,118,022.00	HOSTEL CONSTRUCTION FUND	K		3,302,995.00	43,491,314.48	(in Account No. 0162010100014611)			34,142,857.48
3,211,173.00	PG DIPLOMA IN NANOTECHNOLOGY	M		3,122,016.00	14,807,430.19	(in Account No. 0162010100014602)			31,112,288.19
14,158,540.74	<u>RESERVE &amp; SURPLUS</u>					<u>(B) LOAN &amp; ADVANCE</u>			
	Opening Balance		14,158,540.74		128,005.00	Security Deposits	J		138,909.00
	Add : Excess of Income over expenditure		<u>11,338,938.00</u>	25,497,478.74	3,118,022.00	HOSTEL FUND INVESTMENT	L		3,302,995.00
					3,211,173.00	PG DIPLOMA IN NANOTECHNOLOGY	N		3,122,016.00
						<u>LOAN &amp; ADVANCE TO STAFF</u>			
	CONTINGENT LIABILITIES & NOTES ON ACCOUNT AS PER SCHEDULE 'O'				64,730.00	Festival Advance			56,630.00
					48,711.00	Staff Advance			9,500.00
					80,604.00	Car/Scooter Loan			64,354.00
<b>501,960,436.69</b>				<b>538,571,394.14</b>	<b>501,960,436.69</b>				<b>538,571,394.14</b>

AUDITORS REPORT

As per our report of even date annexed  
for **A.K. BATRA & ASSOCIATES**  
CHARTERED ACCOUNTANTS



**CA. ANSHU BATRA**  
PARTNER

*[Signature]*  
(PRINCIPAL)

*[Signature]*  
(NONY. TREASURER)

*[Signature]*  
(S.O. ACCOUNTS)

Place: New Delhi  
Dated: 16/04/2012

**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2011**

(Amount in Rupees)

PREV. YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
	<b><u>SALARY &amp; ALLOWANCE</u></b>			344,089.00	Tuition Fee	402,976.00	
173,466,025.00	Teaching & Non-Teaching Staff	148,030,282.00		5,955.00	Admission Fee	7,335.00	
14,661,464.00	Laboratory Staff	13,580,496.00		5,180.00	Science Fee	7,690.00	
1,768,240.00	Contribution to Staff Provident Fund	853,165.00		474,125.00	Reading room & Library Fee	554,375.00	
469,949.00	Children Education Allowance	967,331.00		57,633.00	Collegè Magazine (Net)	166,297.00	
596,286.00	Leave Travel Concession	1,601,497.00		568,950.00	Electricity & Water Fee	665,400.00	
1,753,225.00	Medical Reimbursement	3,425,753.00		94,825.00	Garden Fee	110,875.00	
13,526,053.00	Pension & Ex-gratia	15,177,589.00		2,350.00	University Enrolment Fee	2,250.00	
5,188,149.00	Gratuity	9,039,827.00		54,950.00	University Examination Fee	295,765.00	2,212,963.00
2,478,988.00	Leave Encashment on Superannuation	7,219,147.00			<b><u>OTHER INCOME</u></b>		
3,022,891.00	Commuted Pension	9,430,089.00		881.00	Fines Recovered from Student	1,612.00	
258,485.00	Encashment of EL with LTC	671,498.00		98,225.00	Identity Card Fee	122,225.00	
	Employer Contribution	1,119,318.00		130,650.00	Sale of Admn. Form & Pros.	148,380.00	
-	Deposit Linked Insurance	60,000.00	211,175,992.00	36,064.00	Library Fines	21,115.00	
	<b><u>TRAVELLING EXPENSES</u></b>			1,217,735.00	Interest (Saving Fund)	2,294,900.00	
7,500.00	Attending approved Conference		6,950.00	-	Interest received on Loan	43,192.00	
	<b><u>LIBRARY RECURRING</u></b>			49,978.00	House Examination Fee (Net)	70,506.00	
496,910.00	Books & Others		582,073.00	1,300.00	Duplicate Certificate Fee	800.00	
	<b><u>SCIENCE AND GARDEN EXP.</u></b>			160.00	Cost of Lost Books	250.00	
107,499.00	Science Recurring	150,839.00		-	Sale of Raddi	39,564.00	
3,000.00	Botanical and Zoological Exc.	-		40.00	RTI Act Fee	80.00	
1,470.00	Maintanance of Botanical Garden	1,489.00	152,328.00	-	Sale of App. Form for Lecturer	97,311.00	
	<b><u>MUSEUM &amp; HERBARIUM</u></b>			-	Maintanance of Building	423,483.00	
3,000.00	Botany & Zoology	3,000.00		-	Honorarium	59,479.00	
9,125.00	Maint. Of Garden & Play Field (Inst.)	41,244.00		-	Sale of Tender Form	3,000.00	
47,606.00	" (Seeds & Plants)	42,131.00	86,375.00	-	Rent from Book Shop	2,400.00	
				-	Rent from Canteen	8,400.00	
724,050.00	Property Tax paid to NDMC	724,050.00		-	Rent from Photocopier Shop	2,400.00	3,339,097.00
-	House Examination Account (Net)	-	724,050.00		<b><u>GRANT-IN-AID</u></b>		
				207,990,624.00	From U.G.C. (Recurring)	220,507,903.00	
				296,864.00	From UGC (Prev. Yrs.)	-	
				4,900,000.00	From Delhi Admn.	1,000,000.00	221,507,903.00
<b>218,589,915.00</b>	<b>TOTAL PAGE 1 C/D</b>		<b>212,727,768.00</b>	<b>216,330,578.00</b>	<b>TOTAL PAGE 1 C/D</b>		<b>227,059,963.00</b>





**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**

**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2011**

PREV. YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
218,589,915.00	TOTAL PAGE 1 B/F		212,727,768.00	216,330,578.00	TOTAL PAGE 1 B/F		227,059,963.00
	<b>ADMN. &amp; OFFICE EXPENSES</b>						
369,801.00	Printing & Stationary	251,147.00					
25,358.00	Postage & Telegramme	35,838.00					
75,508.00	Telephone Expenses	80,816.00					
3,000.00	Audit Fee	3,000.00					
102,674.00	Conveyance & Cartage	109,488.00					
195.00	Entertainment Expenses	-					
117,735.00	Advertisement Expenses	348,486.00					
29,500.00	Conveyance to G.B. Member	31,750.00					
6,888.00	Repair & Replacement of Furniture	9,525.00					
237,648.00	Water Charges	466,616.00					
1,372,290.00	Electricity Charges	1,401,424.00					
34,415.00	Legal Expenses	-					
99,882.00	Uniform to Class IV	67,290.00					
21,240.00	Freeship	5,580.00					
1,150.00	Annual Day Expenses	-					
696,259.00	Repair & Maintanance of Building	87,778.00					
300.00	Insurance for cashier & Cash in Transit	-					
24,908.00	Insurance of College Building	33,484.00					
53,421.00	Maint. Of Mini Bus	46,153.00					
-	TA/DA to Candidate Called for Interview	578.00					
8,233.00	Bank Charges and Interest	11,765.00					
2,650.00	NCC Expenditure	1,000.00					
106,879.00	Honorarium	-					
-	Envirnoment Club exp. Written off	1.00					
-	Dev. Assistance IXth Plan written off	1538.00	2,993,257.00				
221,979,849.00	TOTAL PAGE 2 C/D		215,721,025.00	216,330,578.00	TOTAL PAGE 2 C/D		227,059,963.00



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2011**

PREV. YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
221,979,849.00	TOTAL PAGE 2 B/F		215,721,025.00	216,330,578.00	TOTAL PAGE 2 B/F		227,059,963.00
-	Excess of Income over expenditure		11,338,938.00	5,649,271.00	Excess of expenditure over income		-
<b>221,979,849.00</b>	<b>TOTAL</b>		<b>227,059,963.00</b>	<b>221,979,849.00</b>	<b>TOTAL</b>		<b>227,059,963.00</b>

AUDITORS REPORT

As per our report of even date annexed  
for **A.K. BATRA & ASSOCIATES**  
**CHARTERED ACCOUNTANTS**



*[Signature]*  
**C.A. ABHISHEK BATRA**  
PARTNER

*[Signature]*  
(PRINCIPAL)

*[Signature]*  
(HONY. TREASURER)

*[Signature]*  
(BURSAR)

*[Signature]*  
(S.O. ACCOUNTS)

Place: New Delhi  
Dated: 16/1/2012



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**

**BALANCE SHEET AS AT : 31ST MARCH 2012**

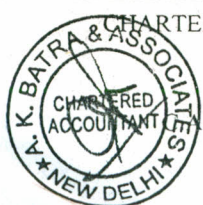
(Amount in Rupees)

PRE. YEAR AMOUNT	LIABILITIES	SCH. NO.	CURRENT YR. AMOUNT	CURRENT YR. AMOUNT	PRE. YEAR AMOUNT	ASSETS	SCH. NO.	CURRENT YR. AMOUNT	CURRENT YR. AMOUNT
6,12,02,483.70	CAPITAL FUND (FIXED ASSETS)	A		6,89,80,899.70	6,12,02,483.70	FIXED ASSETS	B		6,89,80,899.70
13,04,332.54	BUILDING CONSTRUCTION FUND	C		13,56,024.54	13,04,332.54	BUILDING CONSTRUCTION FUND	D		13,56,024.54
33,85,94,514.43	STAFF PROVIDENT FUND	E		35,41,87,688.43	33,85,94,514.43	STAFF PROVIDENT FUND	E		35,41,87,688.43
8,49,72,932.43	SPECIAL GRANT	F		8,67,46,795.43	1,95,23,619.80	STUDENT FUND	H		1,99,56,063.80
1,95,23,619.80	STUDENT FUND	G		1,99,56,063.80		<u>(A) CURRENT ASSETS</u>			
	<u>CURRENT LIABILITIES</u>				4,50,30,000.00	FDR with PNB (OBC Grant)			4,63,70,910.00
10,51,021.50	SUNDRY CREDITORS	I		8,21,295.50	9,66,894.00	Interest Accrued (OBC FDR's)			29,48,500.00
						Balance in Saving Fund Account			
33,02,995.00	HOSTEL CONSTRUCTION FUND	K		-	3,41,42,857.48	(in Account No. 0162010100014611)			2,71,84,836.48
31,22,016.00	PG DIPLOMA IN NANOTECHNOLOGY	M		25,62,106.00	3,11,12,288.19	(in Account No. 0162010100014602)			7,90,35,948.19
2,54,97,478.74	<u>RESERVE &amp; SURPLUS</u>					<u>(B) LOAN &amp; ADVANCE</u>			
	Opening Balance		2,54,97,478.74		1,38,909.00	Security Deposits	J		1,00,339.00
	Add : Excess of Income over expenditure		<u>4,26,96,248.00</u>	6,81,93,726.74	33,02,995.00	HOSTEL FUND INVESTMENT	L		-
					31,22,016.00	PG DIPLOMA IN NANOTECHNOLOGY	N		25,62,106.00
	<u>CONTINGENT LIABILITIES &amp; NOTES ON ACCOUNT AS PER SCHEDULE 'O'</u>				56,630.00	<u>LOAN &amp; ADVANCE TO STAFF</u>			
					9,500.00	Festival Advance			58,430.00
					64,354.00	Staff Advance			9,500.00
						Car/Scooter Loan			53,354.00
<b>53,85,71,394.14</b>				<b>60,28,04,600.14</b>	<b>53,85,71,394.14</b>				<b>60,28,04,600.14</b>

AUDITORS REPORT

As per our report of even date annexed  
for **A.K. BATRA & ASSOCIATES**

CHARTERED ACCOUNTANTS



Delhi

**ABHISHEK BATRA**  
PARTNER

*[Signature]*  
(PRINCIPAL)

*[Signature]*  
**Ajay Kumar**  
HONY. TREASURER

*[Signature]*  
(BURSAR)

*[Signature]*  
(S.O. ACCOUNTS)

*[Signature]*  
Checked & Verified  
SARASWATI  
Chief-Ram



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2012**

(Amount in Rupees)

PREV. YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
	<b><u>SALARY &amp; ALLOWANCE</u></b>			4,02,976.00	Tuition Fee	4,56,889.00	
14,80,30,282.00	Teaching & Non-Teaching Staff	15,94,86,562.00		7,335.00	Admission Fee	7,005.00	
1,35,80,496.00	Laboratory Staff	1,47,46,938.00		7,690.00	Science Fee	8,550.00	
8,53,165.00	Contribution to Staff Provident Fund	7,54,843.00		5,54,375.00	Reading room & Library Fee	6,30,500.00	
9,67,331.00	Children Education Allowance	9,02,922.00		1,66,297.00	College Magazine (Net)	79,773.00	
16,01,497.00	Leave Travel Concession	4,62,556.00		6,65,400.00	Electricity & Water Fee	7,56,600.00	
34,25,753.00	Medical Reimbursement	57,83,908.00		1,10,875.00	Garden Fee	1,26,075.00	
1,51,77,589.00	Pension & Ex-gratia	2,09,81,183.00		2,250.00	University Enrolment Fee	5,000.00	
90,39,827.00	Gratuity	96,60,496.00		2,95,765.00	University Examination Fee	4,75,360.00	25,45,752.00
72,19,147.00	Leave Encashment on Superannuation	90,63,495.00			<b><u>OTHER INCOME</u></b>		
94,30,089.00	Commuted Pension	1,17,53,322.00		1,612.00	Fines Recovered from Student	1,269.00	
6,71,498.00	Encashment of EL with LTC	1,35,276.00		1,22,225.00	Identity Card Fee	1,33,550.00	
11,19,318.00	Employer Contribution	17,14,688.00		1,48,380.00	Sale of Admn. Form & Pros.	1,08,515.00	
60,000.00	Deposit Linked Insurance	-		21,115.00	Library Fines	67,590.00	
-	Child Care Allowance	13,750.00		22,94,900.00	Interest (Saving Fund)	33,04,031.00	
-	Reimbursement of Brief Case/Ladies Purse	5,400.00	23,54,65,339.00	43,192.00	Interest received on Loan	5,500.00	
	<b><u>TRAVELLING EXPENSES</u></b>			70,506.00	House Examination Fee (Net)	1,01,864.00	
6,950.00	Attending approved Conference	7,050.00	7,050.00	800.00	Duplicate Certificate Fee	300.00	
	<b><u>LIBRARY RECURRING</u></b>			250.00	Cost of Lost Books	1,666.00	
5,82,073.00	Books & Others	7,14,949.00	7,14,949.00	39,564.00	Sale of Raddi	-	
	<b><u>SCIENCE AND GARDEN EXP.</u></b>			80.00	RTI Act Fee	192.00	
1,50,839.00	Science Recurring	1,50,799.00		97,311.00	Sale of App. Form for Lecturer	-	
-	Botanical and Zoological Exc.	1,500.00		4,23,483.00	Maintenance of Building	-	
1,489.00	Maintenance of Botanical Garden	1,463.00	1,53,762.00	59,479.00	Honorarium	-	
	<b><u>MUSEUM &amp; HERBARIUM</u></b>			3,000.00	Sale of Tender Form	11,000.00	
3,000.00	Botany & Zoology	2,985.00		2,400.00	Rent from Book Shop	2,400.00	
41,244.00	Maint. Of Garden & Play Field.(Inst.)	34,075.00		8,400.00	Rent from Canteen	8,400.00	
42,131.00	" (Seeds & Plants)	41,234.00		2,400.00	Rent from Photocopier Shop	2,400.00	37,48,677.00
7,24,050.00	Property Tax paid to NDMC	7,24,050.00			<b><u>GRANT-IN-AID</u></b>		
			8,02,344.00	22,05,07,903.00	From U.G.C. (Recurring)	27,42,29,000.00	
				-	From UGC (Prev. Yrs.)	-	
				10,00,000.00	From Delhi Admn.	34,00,000.00	27,76,29,000.00
	<b>TOTAL PAGE 1 C/D</b>		<b>23,71,43,444.00</b>	<b>22,70,59,963.00</b>	<b>TOTAL PAGE 1 C/D</b>		<b>28,39,23,429.00</b>

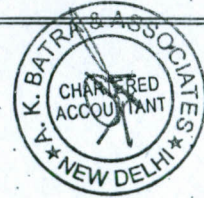




**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2012**

PREV. YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
21,27,27,768.00	TOTAL PAGE 1 B/F		23,71,43,444.00	22,70,59,963.00	TOTAL PAGE 1 B/F		28,39,23,429.00
	<u>ADMN. &amp; OFFICE EXPENSES</u>						
2,51,147.00	Printing & Stationary	4,30,721.00					
35,838.00	Postage & Telegramme	53,980.00					
80,816.00	Telephone Expenses	93,584.00					
3,000.00	Audit Fee	3,000.00					
1,09,488.00	Conveyance & Cartage	95,209.00					
3,48,486.00	Advertisement Expenses	17,355.00					
31,750.00	Conveyance to G.B. Member	-					
9,525.00	Repair & Replacement of Furniture	12,593.00					
4,66,616.00	Water Charges	12,01,248.00					
14,01,424.00	Electricity Charges	18,38,150.00					
-	Legal Expenses	1,650.00					
67,290.00	Uniform to Class IV	1,28,343.00					
5,580.00	Freeship	5,580.00					
-	Annual Day Expenses	1,500.00					
87,778.00	Repair & Maintanance of Building	78,068.00					
33,484.00	Insurance of College Building	33,484.00					
46,153.00	Maint. Of Mini Bus	56,559.00					
578.00	TA/DA to Candidate Called for Interview	-					
11,765.00	Bank Charges and Interest	11,779.00					
1,000.00	NCC Expenditure	1,000.00					
-	Honorarium	19,934.00					
1.00	Envirnoment Club exp. Written off	-					
1538.00	Dev. Assistance IXth Plan written off	-	40,83,737.00				
21,57,21,025.00	TOTAL PAGE 2 C/D		24,12,27,181.00	22,70,59,963.00	TOTAL PAGE 2 C/D		28,39,23,429.00

*Checked & Verified*  
*AMJAY Chet-Ran*



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2012**

PREV. YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
21,57,21,025.00	TOTAL PAGE 2 B/F		24,12,27,181.00	22,70,59,963.00	TOTAL PAGE 2 B/F		28,39,23,429.00
1,13,38,938.00	Excess of Income over expenditure		4,26,96,248.00	-	Excess of expenditure over income		-
22,70,59,963.00	TOTAL		28,39,23,429.00	22,70,59,963.00	TOTAL		28,39,23,429.00

AUDITORS REPORT

As per our report of even date annexed  
for **A.K. BATRA & ASSOCIATES**  
**CHARTERED ACCOUNTANTS**



*[Signature]*  
**C.A. ABHISHEK BATRA**  
PARTNER

*[Signature]*  
(PRINCIPAL)

*[Signature]*  
**Ajay Kumar**  
21/12/12  
(HONY. TREASURER)

*[Signature]*  
(BURSAR)

*[Signature]*  
(S.O. ACCOUNTS)  
Checked & verified  
*[Signature]*  
SAMIR

Place: New Delhi  
Dated: 21/12/2012



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**BALANCE SHEET AS AT : 31ST MARCH 2013**

(Amount in Rupees)

YEAR AMOUNT	LIABILITIES	SCH. NO.	CURRENT YR. AMOUNT	CURRENT YR. AMOUNT	PRE. YEAR AMOUNT	ASSETS	SCH. NO.	CURRENT YR. AMOUNT	CURRENT AMOUNT
6,89,80,899.70	CAPITAL FUND (FIXED ASSETS)	A		9,20,10,279.70	6,89,80,899.70	FIXED ASSETS'	B		9,20,10,279.70
13,56,024.54	BUILDING CONSTRUCTION FUND	C		14,10,807.54	13,56,024.54	BUILDING CONSTRUCTION FUND	D		14,10,807.54
						<u>INVESTMENT AGAINST</u>			
35,41,87,688.43	STAFF PROVIDENT FUND	E		39,17,20,462.43	35,41,87,688.43	STAFF PROVIDENT FUND	E		39,17,20,462.43
8,67,46,795.43	SPECIAL GRANT	F		7,51,92,736.43	1,99,56,063.80	STUDENT FUND	H		2,44,63,496.80
1,99,56,063.80	STUDENT FUND	G		2,44,63,496.80		<u>(A) CURRENT ASSETS'</u>			
	<u>CURRENT LIABILITIES</u>				4,63,70,910.00	FDR with PNB (OBC Grant)		3,48,17,319.00	
8,21,295.50	SUNDRY CREDITORS	I		29,21,236.50	29,48,500.00	Interest Accrued (OBC FDR's)		36,18,938.00	3,84,36,257.00
						<u>Balance in Saving Fund Account</u>			
					2,71,84,836.48	(in Account No. 0162010100014611)		2,26,21,074.48	
25,62,106.00	PG DIPLOMA IN NANOTECHNOLOGY	K		25,65,524.00	7,90,35,948.19	(in Account No. 0162010100014602)		14,92,81,788.19	17,19,02,862.67
	<u>RESERVE &amp; SURPLUS</u>								
						<u>(B) LOAN &amp; ADVANCE</u>			
6,81,93,726.74	Opening Balance		6,81,93,726.74		1,00,339.00	Security Deposits	J		3,64,262.00
	Add : Excess of Income over expenditure		6,45,88,412.00	13,27,82,138.74					
					25,62,106.00	PG DIPLOMA IN NANOTECHNOLOGY	L		25,65,524.00
						<u>LOAN &amp; ADVANCE TO STAFF</u>			
					58,430.00	Festival Advance		72,830.00	
					9,500.00	Staff Advance		59,500.00	
					53,354.00	Car/Scooter Loan		60,400.00	1,92,730.00
	<u>CONTINGENT LIABILITIES &amp; NOTES ON ACCOUNT AS PER SCHEDULE 'M'</u>								
60,28,04,600.14				72,30,66,682.14	60,28,04,600.14				72,30,66,682.14

**AUDITORS REPORT**

As per our report of even date annexed  
for A.K. BATRA & ASSOCIATES  
CHARTERED ACCOUNTANTS



ABHISHEK BATRA  
PARTNER

Place: New Delhi

Dated: 28.11.2013

MAITREYI COLLEGE

For Chet Ram  
(S.O. ACCOUNTS)  
*B. Sathian*

M. Agarmal  
(BURSAR)

*W. K.*  
(PRINCIPAL)

*J. M.*  
(HONY. TREASURER)







**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2013**

V. YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
23,71,43,444.00	TOTAL PAGE 1 B/F		24,31,23,470.00	28,39,23,429.00	TOTAL PAGE 1 B/F		31,25,54,182.00
	<u>ADMN. &amp; OFFICE EXPENSES</u>						
4,30,721.00	Printing & Stationary	4,25,155.00					
53,980.00	Postage & Telegramme	48,174.00					
93,584.00	Telephone Expenses	85,427.00					
3,000.00	Audit Fee	3,000.00					
95,209.00	Conveyance (Local)	1,09,314.00					
17,355.00	Advertisement Expenses	1,17,935.00					
-	Conveyance to G.B. Member	33,000.00					
12,593.00	Repair & Replacement of Furniture	11,660.00					
12,01,248.00	Water Charges	12,95,282.00					
18,38,150.00	Electricity Charges	24,30,604.00					
1,650.00	Legal Expenses	9,600.00					
1,28,343.00	Uniform to Class IV	-					
5,580.00	Freeship	21,420.00					
1,500.00	Annual Day Expenses	-					
78,068.00	Repair & Maintanance of Building	1,34,817.00					
33,484.00	Insurance of College Building	34,043.00					
56,559.00	Maint. Of Mini Bus	46,978.00					
11,779.00	Bank Charges and Interest	14,311.00					
1,000.00	NCC Expenditure	-					
19,934.00	Honorarium	-					
-	Generator Maintenance (Diesel)	21,580.00	48,42,300.00				
24,12,27,181.00	TOTAL PAGE 2 C/D		24,79,65,770.00	28,39,23,429.00	TOTAL PAGE 2 C/D		31,25,54,182.00



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2013**

V. YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
24,12,27,181.00	TOTAL PAGE 2 B/F		24,79,65,770.00	28,39,23,429.00	TOTAL PAGE 2 B/F		31,25,54,182.00
4,26,96,248.00	Excess of Income over expenditure		6,45,88,412.00	-			
<b>28,39,23,429.00</b>	<b>TOTAL</b>		<b>31,25,54,182.00</b>	<b>28,39,23,429.00</b>	<b>TOTAL</b>		<b>31,25,54,182.00</b>

AUDITORS REPORT

As per our report of even date annexed  
for **A.K. BATRA & ASSOCIATES**  
**CHARTERED ACCOUNTANTS**



Place: New Delhi  
Dated: 28.11.2013

*[Signature]*  
**C.A. ABHISHEK BATRA**  
PARTNER

*[Signature]*  
**For Chet Ran**  
(S.O. ACCOUNTS)

*[Signature]*  
**M. Agarwal**  
(BURSAR) — (PRINCIPAL)

*[Signature]*  
(HONY. TREASURER)



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**BALANCE SHEET AS AT : 31ST MARCH 2014**

(Amount in Rupees)

YEAR	LIABILITIES /	SCH.	CURRENT YR.	CURRENT YR.	PRE. YEAR	ASSETS	SCH.	CURRENT YR.	CURRENT
OUNT		NO.	AMOUNT	AMOUNT	AMOUNT		NO.	AMOUNT	AMOUNT
10,279.70	CAPITAL FUND (FIXED ASSETS)	A		9,80,58,581.70	9,20,10,279.70	FIXED ASSETS	B		9,80,58,581.70
4,10,807.54	BUILDING CONSTRUCTION FUND	C		14,67,804.54	14,10,807.54	BUILDING CONSTRUCTION FUND	D		14,67,804.54
						INVESTMENT			
17,20,462.43	STAFF PROVIDENT FUND	E		39,99,69,008.58	39,17,20,462.43	STAFF PROVIDENT FUND	E		39,99,69,008.58
7,51,92,736.43	SPECIAL GRANT	F		6,03,82,757.43	2,44,63,496.80	STUDENT FUND	H		2,87,03,618.10
2,44,63,496.80	STUDENT FUND	G		2,87,03,618.10		<u>(A) CURRENT ASSETS</u>			
	<u>CURRENT LIABILITIES</u>				3,48,17,319.00	FDR with PNB (OBC Grant)		3,48,17,319.00	
29,21,236.50	SUNDRY CREDITORS	I		65,85,226.50	36,18,938.00	Interest Accrued (OBC FDR's)		71,84,281.00	4,20,01,600.00
						<u>Balance in Saving Fund Account</u>			
					2,26,21,074.48	(in Account No. 0162010100014611)		1,24,85,631.78	
25,65,524.00	PG DIPLOMA IN NANOTECHNOLOGY	K		26,16,878.00	14,92,81,788.19	(in Account No. 0162010100014602)		15,81,48,374.49	17,06,34,006.27
	<u>RESERVE &amp; SURPLUS</u>					<u>(B) LOAN &amp; ADVANCE</u>			
13,27,82,138.74	Opening Balance		13,27,82,138.74		3,64,262.00	Security Deposits	J		1,03,039.00
	Add : Excess of Income over expenditure		<u>1,32,00,652.60</u>	14,59,82,791.34					
					25,65,524.00	PG DIPLOMA IN NANOTECHNOLOGY	L		26,16,878.00
						<u>LOAN &amp; ADVANCE TO STAFF</u>			
	CONTINGENT LIABILITIES & NOTES				72,830.00	Festival Advance		63,830.00	
	ON ACCOUNT AS PER SCHEDULE 'M'				59,500.00	Staff Advance		84,500.00	
					60,400.00	Car/Scooter Loan		63,800.00	2,12,130.00
<b>72,30,66,682.14</b>				<b>74,37,66,666.19</b>	<b>72,30,66,682.14</b>				<b>74,37,66,666.19</b>

AUDITORS REPORT

As per our report of even date annexed  
for SAPRA ASSOCIATES  
**CHARTERED ACCOUNTANTS**  
Firm Registration No. 010792N.

*[Signature]*  
**C.A. RAVI SAPRA**  
Membership No. 089379  
PARTNER

Place: New Delhi

Dated: 26.12.2014

*For Chet Ram Bhatnagar*  
**(S.O. ACCOUNTS)**

*A. Narain*  
**(BURSAR)**

*[Signature]*  
**(PRINCIPAL)**

*[Signature]*  
**HON'Y. TREASURER**



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2014**

(Amount in Rupees)

EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
	AMOUNT	AMOUNT			AMOUNT	AMOUNT
<b><u>SALARY &amp; ALLOWANCE</u></b>						
65,74,161.00 Teaching & Non-Teaching Staff	19,40,29,822.00		4,98,255.00	Tuition Fee	5,13,897.00	
1,63,13,978.00 Laboratory Staff	1,63,33,217.00		5,660.00	Admission Fee	5,440.00	
7,74,164.00 Contribution to Staff Provident Fund	7,92,004.00		9,500.00	Science Fee	9,805.00	
7,74,538.00 Children Education Allowance	14,20,914.00		7,68,125.00	Reading room & Library Fee	8,41,000.00	
18,12,203.00 Leave Travel Concession	10,31,015.00		23,308.00	College Magazine (Net)	2,13,373.00	
55,26,576.00 Medical Reimbursement	51,81,702.00		8,66,900.00	Electricity & Water Fee	9,08,000.00	
2,51,02,151.00 Pension & Ex-gratia	3,34,88,317.00		1,37,900.00	Garden Fee	1,42,350.00	26,33,865.00
73,50,974.00 Gratuity	82,29,907.00			<b><u>OTHER INCOME</u></b>		
56,67,832.00 Leave Encashment on Superannuation	72,34,545.00		656.00	Fines Recovered from Student	543.00	
63,85,172.00 Commuted Pension	95,39,486.00		1,51,700.00	Identity Card Fee	1,49,200.00	
3,54,393.00 Encashment of EL with LTC	4,61,745.00		1,02,215.00	Sale of Admn. Form & Pros.	1,00,005.00	
17,88,247.00 Employer Contribution	19,51,475.00		82,154.00	Library Fines	64,855.00	
11,250.00 Child Care Allowance	-		45,18,918.00	Interest (Saving Fund)	54,59,131.00	
2,400.00 Reimbursement of Brief Case/Ladies Purse	-	27,96,94,149.00	42,418.00	Interest recovered on Loan	9,368.00	
			1,03,957.00	House Examination Fee (Net)	1,42,250.00	
			900.00	Duplicate Certificate Fee	400.00	
<b><u>TRAVELLING EXPENSES</u></b>			1,108.00	Cost of Lost Books	1,480.00	
4,500.00 Attending approved Conference	3,900.00	3,900.00	1,79,518.00	Sale of Raddi	-	
			90.00	RTI Act Fee	250.00	
<b><u>LIBRARY RECURRING</u></b>			73,700.00	Sale of App. Form for Lecturer	-	
7,19,792.00 Books & Others	8,67,062.00	8,67,062.00	-	Misc. Income	2,600.00	
			2,400.00	Rent from Book Shop	2,400.00	
<b><u>SCIENCE AND GARDEN EXP.</u></b>			8,400.00	Rent from Canteen	8,400.00	
1,72,931.00 Science Recurring	1,55,035.00		2,400.00	Rent from Photocopier Shop	2,400.00	
1,500.00 Botanical and Zoological Exc.	-	1,55,035.00	0	Rent from Mother Dairy	12,000.00	
			-	Leave Salary Contribution	1,59,999.00	
<b><u>MUSEUM &amp; HERBARIUM</u></b>			-	Pension Contribution	2,43,912.00	
2,987.00 Botany & Zoology	3,000.00		-	Freeship	14,940.00	63,74,133.00
10,156.00 Maint. Of Garden & Play Field (Inst.)	32,685.00					
49,515.00 " (Seeds & Plants)	37,101.00					
7,24,050.00 Property Tax paid to NDMC	7,24,050.00	7,96,836.00				
				<b><u>GRANT-IN-AID</u></b>		
			30,49,74,000.00	From U.G.C. (Recurring)	28,96,08,000.00	
			-	From Delhi Admn.	10,00,000.00	29,06,08,000.00
<b>24,31,23,470.00</b>	<b>TOTAL PAGE 1 C/D</b>	<b>28,15,16,982.00</b>	<b>31,25,54,182.00</b>	<b>TOTAL PAGE 1 C/D</b>	<b>29,96,15,998.00</b>	



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2014**

YEAR	EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
		AMOUNT	AMOUNT			AMOUNT	AMOUNT
2013	TOTAL PAGE 1 B/F		28,15,16,982.00	31,25,54,182.00	TOTAL PAGE 1 B/F		29,96,15,998.00
	<b>ADMN. &amp; OFFICE EXPENSES</b>						
	4,25,155.00 Printing & Stationary	3,71,215.00					
	48,174.00 Postage & Telegramme	41,930.00					
	85,427.00 Telephone Expenses	55,989.00					
	3,000.00 Audit Fee	3,000.00					
	1,09,314.00 Conveyance (Local)	81,081.00					
	1,17,935.00 Advertisement Expenses	2,45,923.00					
	33,000.00 Conveyance to G.B. Member	34,500.00					
	11,660.00 Repair & Replacement of Furniture	13,000.00					
	12,95,282.00 Water Charges	12,34,552.00					
	24,30,604.00 Electricity Charges	25,00,852.00					
	9,600.00 Legal Expenses	-					
	- Uniform to Class IV	87,617.00					
	21,420.00 Freeship	-					
	1,34,817.00 Repair & Maintanance of Building	7,071.00					
	34,043.00 Insurance of College Building	30,069.00					
	46,978.00 Maint. Of Mini Bus	64,153.00					
	14,311.00 Bank Charges and Interest	21,927.40					
	- NCC Expenditure	1,000.00					
	Misc. Expenses (NSDL Charges)	5,529.00					
	- Honorarium	16,000.00					
	TA on Retirement	44,849.00					
	21,580.00 Generator Maintenance (Diesel)	38,106.00	48,98,363.40				
2014	TOTAL PAGE 2 C/D	28,64,15,345.40	31,25,54,182.00		TOTAL PAGE 2 C/D		29,96,15,998.00

*B. K. Sharma*



**MAITREYI COLLEGE CHANAKYA PURI NEW DELHI**  
**INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2014**

EXPENDITURE	CURRENT YEAR		PREV. YEAR	INCOME	CURRENT YEAR	
	AMOUNT	AMOUNT			AMOUNT	AMOUNT
65,770.00		28,64,15,345.40	31,25,54,182.00	TOTAL PAGE 2 B/F		29,96,15,998.00
6,45,88,412.00	Excess of Income over expenditure	1,32,00,652.60				
<b>31,25,54,182.00</b>	<b>TOTAL</b>	<b>29,96,15,998.00</b>	-	<b>TOTAL</b>		<b>29,96,15,998.00</b>

**AUDITORS REPORT**

As per our report of even date annexed  
for SAPRA ASSOCIATES  
**CHARTERED ACCOUNTANTS**  
Firm Registration No. 010792N

*A-R*

**C.A. RAVI SAPRA**  
Membership No. 089379  
**PARTNER**

Place: New Delhi  
Dated: 26-12-2014



*for Chet-Ram*  
*Shakti*  
*A. Narain*  
(S.O. ACCOUNTS) (BURSAR) (PRINCIPAL)

*A. Singh*  
**HONY. TREASURER**



# MAITREYI COLLEGE

(UNIVERSITY OF DELHI)

BAPU DHAM COMPLEX,  
CHANAKYAPURI,  
NEW DELHI-110021

October 16, 2015

## Declaration by the Head of the Institution

I certify that I have gone through the SSR.

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 institution 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 visit.

Signature of Head of the Institution  
with seal

**DR. SAVITA DATTA**  
Principal

**MAITREYI COLLEGE**  
Bapu Dham Complex,  
Chanakyapuri, New Delhi-110021

Place: New Delhi  
Date: October 16, 2015





# MAITREYI COLLEGE

(UNIVERSITY OF DELHI)

BAPU DHAM COMPLEX,  
CHANAKYAPURI,  
NEW DELHI-110021  
October 16, 2015

## Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Maitreyi College (Name of the institution) fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: October 16, 2015  
Place: New Delhi

  
Principal/Head of the Institution  
(Name and Signature with Office seal)

DR. SAVITA DATTA

Principal

MAITREYI COLLEGE

Bapu Dham Complex,

Chanakya Puri, New Delhi-110021





**MAITREYI COLLEGE**  
University of Delhi  
Chanakypuri, New Delhi - 110021