

Guidelines for the Creation of the
Internal Quality Assurance Cell (IQAC)
and Submission of Annual Quality Assurance
Report (AQAR) by Accredited Institutions
(For Affiliated/Constituent Colleges)

(Revised as per Revised Accreditation Framework in November, 2017)



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, **Bengaluru - 560 072** India

NAAC

VISION

To make quality the defining element of higher education in India through a combination of self and external quality evaluation, promotion and sustenance initiatives.

MISSION

- *To arrange for periodic assessment and accreditation of institutions of higher education or units thereof, or specific academic programmes or projects;*
- *To stimulate the academic environment for promotion of quality of teaching-learning and research in higher education institutions;*
- *To encourage self-evaluation, accountability, autonomy and innovations in higher education;*
- *To undertake quality-related research studies, consultancy and training programmes, and*
- *To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.*

Value Framework

To promote the following core values among the HEIs of the country:

- Contributing to National Development*
- Fostering Global Competencies among Students*
- Inculcating a Value System among Students*
- Promoting the Use of Technology*
- Quest for Excellence*

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Guidelines for the Creation of the Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) in Accredited Institutions

Introduction

In pursuance of its Action Plan for performance evaluation, assessment and accreditation and quality up-gradation of institutions of higher education, the National Assessment and Accreditation Council (NAAC), Bangalore proposes that every accredited institution should establish an Internal Quality Assurance Cell (IQAC) as a quality sustenance measure. Since quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realisation of the goals of quality enhancement and sustenance. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, institutions need to channelize its efforts and measures towards promoting the holistic academic excellence including the peer committee recommendations.

The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the Internal Quality Assurance Cell (IQAC). The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives.

Its success depends upon the sense of belongingness and participation in all the constituents of the institution. It will not be yet another hierarchical structure or a record-keeping exercise in the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies by IQAC to remove deficiencies and enhance quality like the "Quality Circles" in industries.

IQAC – Vision

To ensure quality culture as the prime concern for the Higher Education Institutions through institutionalizing and internalizing all the initiatives taken with internal and external support.

Objective

The primary aim of IQAC is

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Strategies

IQAC shall evolve mechanisms and procedures for

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- b) Relevant and quality academic/ research programmes;
- c) Equitable access to and affordability of academic programmes for various sections of society;
- d) Optimization and integration of modern methods of teaching and learning;
- e) The credibility of assessment and evaluation process;
- f) Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- g) Sharing of research findings and networking with other institutions in India and abroad.

Functions

Some of the functions expected of the IQAC are:

- a) Development and application of quality benchmarks
- b) Parameters for various academic and administrative activities of the institution;
- c) Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- d) Collection and analysis of feedback from all stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters to all stakeholders;
- e) Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- f) Documentation of the various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- i) Periodical conduct of Academic and Administrative Audit and its follow-up
- j) Preparation and submission of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC.

Benefits

IQAC will facilitate / contribute to

- a) Ensure clarity and focus in institutional functioning towards quality enhancement;
- b) Ensure internalization of the quality culture;
- b) Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices;
- c) Provide a sound basis for decision-making to improve institutional functioning;
- d) Act as a dynamic system for quality changes in HEIs;
- e) Build an organised methodology of documentation and internal communication.

Composition of the IQAC

IQAC may be constituted in every institution under the Chairmanship of the Head of the institution with heads of important academic and administrative units and a few teachers and a few distinguished educationists and representatives of local management and stakeholders.

The composition of the IQAC may be as follows:

1. Chairperson: Head of the Institution
2. Teachers to represent all level (Three to eight)
3. One member from the Management
4. Few Senior administrative officers
5. One nominee each from local society, Students and Alumni
6. One nominee each from Employers /Industrialists/Stakeholders
7. One of the senior teachers as the coordinator/Director of the IQAC

The composition of the IQAC will depend on the size and complexity of the institution, accordingly the representation of teachers may vary. It helps the institutions in planning and monitoring. IQAC also gives stakeholders or beneficiaries a cross-sectional participation in the institution's quality enhancement activities. The guidelines given here are only indicative and will help the institutions for quality sustenance activities.

The membership of such nominated members shall be for a period of two years. The IQAC should meet at least once in every quarter. The quorum for the meeting shall be two-third of the total number of members. The agenda, minutes and Action Taken Reports are to be documented with official signatures and maintained electronically in a retrievable format.

It is necessary for the members of the IQAC to shoulder the responsibilities of generating and promoting awareness in the institution and to devote time for working out the procedural details. While selecting these members several precautions need to be taken. A few of them are listed below:

- It is advisable to choose persons from various backgrounds who have earned respect for integrity and excellence in their teaching and research. Moreover, they should be aware of the ground realities of the institutional environment. They should be known for their commitment to improving the quality of teaching and learning.
- It is advisable to change the co-ordinator after two to three years to bring new thoughts and activities in the institution.
- It would be appropriate to choose as senior administrators, persons in charge of institutional services such as library, computer center, estate, student welfare, administration, academic tasks, examination and planning and development.
- The management representative should be a person who is aware of the institution's objectives, limitations and strengths and is committed to its improvement. The local society representatives

should be of high social standing and should have made significant contributions to society and in particular to education.

The role of the Coordinator

The role of the coordinator of the IQAC is crucial in ensuring the effective functioning of all the members. The coordinator of the IQAC may be a senior/competent person with experience and exposure in quality aspects. She/he may be a full-time functionary or, to start with, she/he may be a senior academic /administrator entrusted with the IQAC as an additional responsibility. Secretarial assistance may be facilitated by the administration. It is essential that the coordinator may have sound knowledge about the computer, data management and its various functions such as usage for effective communication.

Operational Features of the IQAC

Quality assurance is a by-product of ongoing efforts to define the objectives of an institution, to have a work plan to achieve them and to specify the checks and balances to evaluate the degree to which each of the tasks is fulfilled. Hence devotion and commitment to improvement rather than mere institutional control is the basis for devising procedures and instruments for assuring quality. The right balance between the health and growth of an institution needs to be struck. The IQAC has to ensure that whatever is done in the institution for “education” is done efficiently and effectively with high standards. In order to do this, the IQAC will have to first establish procedures and modalities to collect data and information on various aspects of institutional functioning.

The coordinator of the IQAC will have a major role in implementing these functions. The IQAC may derive major support from the already existing units and mechanisms that contribute to the functions listed above. The operational features and functions discussed so far are broad-based to facilitate institutions towards academic excellence and institutions may adapt them to their specific needs.

The institutions need to submit yearly the Annual Quality Assurance Report (AQAR) to NAAC by end of September every year positively. A functional Internal Quality Assurance Cell (IQAC) and timely submission of Annual Quality Assurance Reports (AQARs) are the Minimum Institutional Requirements (MIR) to volunteer for second, third or subsequent cycle’s accreditation. During the institutional visit the NAAC peer teams will interact with the IQACs to know the progress, functioning as well as quality sustenance initiatives undertaken by them.

The Annual Quality Assurance Report (AQAR) may be the part of the Annual Report. The AQAR shall be approved by the statutory bodies of the HEIs (such as Governing Council/ Executive Council/Board of Management) for the follow up action for necessary quality enhancement measures.

The IQACs may create its exclusive window tab on its institutional website for keeping the records/files of NAAC, Peer Team Reports, AQAR, and Certificate of Accreditation Outcomes and regularly upload/ report on its activities, as well as for hosting the AQAR.

Revised Accreditation Framework

NAAC has launched Revised Accreditation Framework since July, 2017 and hence AQAR format also modified, in cognizance with the new methodology. The tools and parameters are designed in the new AQAR format are in such a way that the preparation of AQAR would facilitate the HEI's for upcoming cycles of Accreditation. Data collected/prepared infuses quality enhancement measures undertaken during the years. Further, it also adds quality enhancement and quality sustenance measures undertaken in teaching, learning, research, extension and support activities of the Institution. It is hoped that new AQAR would facilitate Educational Institutions for creating a good database at Institutional level for enhancing the quality culture.

As per the Revised Accreditation Framework (RAF), the NAAC Accredited institutions need to submit the AQAR online. NAAC is in the process of ICT integration in Assessment and Accreditation. The login id for the online submission for AQAR submission will be the e-mail id used for the IIQA. The AQAR submission is part of the post accreditation module, in due course of time. NAAC portal will have the facility to submit the AQAR online and Institutions will receive automated response. AQAR of the preceding year be submitted to the NAAC within six months i.e. the institutions should submit the AQAR before 31st December of every year.

The Higher Education Institutions need not submit the printed/hard copy of AQAR to NAAC.
Mandatory Submission of AQAR by IQAC

The Executive Committee of NAAC has decided that **regular submission of AQARs is mandatory for 2nd and subsequent cycles of accreditation with effect from 16th September 2016:**

The following are the pre-requisites for submission of IIQA for all Higher Education Institutions (HEIs) opting for 2nd and subsequent cycles of A& A:

- Having a functional IQAC.
- The minutes of IQAC meeting and compliance to the decisions should be uploaded on the institutional website.
- Mandatory submission of AQARs on a regular basis for institutions undergoing the second and subsequent cycles of Assessment and Accreditation by NAAC.
- Upload the AQAR's on institutional website for access to all stakeholders.

Note: The terms and abbreviation used in AQAR are in accordance with respective manuals for assessment of NAAC. Please refer institutional manual for glossary and abbreviations terms used in AQAR.

The Annual Quality Assurance Report (AQAR) of the IQAC

(For Affiliated/Constituent Colleges)

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. *The AQAR period would be the Academic Year. (For example, July 1, 2017 to June 30, 2018)*

Part – A

Data of the Institution

(data may be captured from IIQA)

1. Name of the Institution

MIRANDA HOUSE

- Name of the Head of the institution :

Dr. Bijayalaxmi Nanda

- Designation:

Acting Principal

- Does the institution function from own campus:

YES

- Phone no./Alternate phone no.:

011-27667367, 011-27666983

- Mobile no.:

9891443469

- Registered e-mail:

principal@mirandahouse.ac.in

- Alternate e-mail :

secretary@mirandahouse.ac.in

- Address :

Patel Chest Marg, University of Delhi

- City/Town :

Delhi

- State/UT :

Delhi

- Pin Code :

110 007

2. Institutional status:

- Affiliated / Constituent:

Constituent

- Type of Institution: Co-education/Men/Women

Women's institution

- Location : Rural/Semi-urban/Urban:

Urban

- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self financing

(please specify)

Grants-in-Aid UGC 2f and 12B

- Name of the Affiliating University:
- Name of the IQAC Co-ordinator :
- Phone no. :

University of Delhi

Dr. Jayashree Pillai

9818194505

Alternate phone no.

- Mobile:

9818194505

- IQAC e-mail address:

iqac@mirandahouse.ac.in

- Alternate Email address:

principal@mirandahouse.ac.in

3. Website address:

www.mirandahouse.ac.in

Web-link of the AQAR: (Previous Academic Year):

[http://mirandahouse.ac.in/files/iqac/aqar/2017-](http://mirandahouse.ac.in/files/iqac/aqar/2017-18/MIR/001AQAR/001AQAR)

4. Whether Academic Calendar prepared during the year?

Yes/No.... , if yes, whether it is uploaded in the Institutional website:

As a constituent college of the University of Delhi, Miranda House follows the University Calendar.

Weblink: http://du.ac.in/du/uploads/09102018_AC.pdf

5. Accreditation Details:

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 st	A+	3.61	2017	from: 02-05-2017 to: 01-05-2022

6. Date of Establishment of IQAC:

02/01/2016

7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Participation in NIRF	2018-19	Entire college community
Compilation and uploading of AQAR 2017-18	2017-18	Entire college community
Compilation of AQAR 2018-19 for submission	December 2019	Entire college community
Submission of report to DBT Star College Scheme monitoring team	2018-19	Departments of Botany, Chemistry, Physics and Zoology

Note: Some Quality Assurance initiatives of the institution are:

(Indicative list)

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements
- Academic Administrative Audit (AAA) conducted and its follow up action
- Participation in NIRF
- ISO Certification
- NBA etc.
- Any other Quality Audit

8. Provide the list of funds by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount Rs (during 2018-19)
Miranda House (salary)	Maintenance Grant	UGC	2018-19	53,58,50000
Science Departments	DBT Star College	DBT	2018-19	22,99,339
Science Departments	INSPIRE	DST	2018-19	10,07,832
Dr Sadhna Sharma	FDP	ICMR	2018-19	1,50,000

Note: Research grants by government funding agencies listed under 3.1.1

9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No:

Yes

*upload latest notification of formation of IQAC

10. No. of IQAC meetings held during the year:

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.....

Yes/No Yes

(Please upload, minutes of meetings and action taken report)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? Yes/No No

If yes, mention the amount:

Year:

12. Significant contributions made by IQAC during the current year (maximum five bullets)

The College has incorporated quality assurance into informal discussions and dialogue carried out with numerous visitors from other institutions, in particular international visitors and collaborators. The IQAC members have reviewed the following activities:

- Uploading of faculty and class time tables on the college website so that classes can begin as soon as the semester starts and updating these on an urgent basis to cover changes, if any. Monthly uploading of students' attendance on the college website is also carried out so that the students can keep track of their own attendance.
- Organizing of Remedial Courses; Bridge Courses; Workshops on computer literacy; Google Survey on ICT by students and faculty based on the suggestions of faculty. Remedial teaching is imparted through Bridge Courses to bring weaker students and students from different School Boards on par. Problems encountered by students on account of classroom diversity and educational background are also addressed. Short duration add-on courses are introduced where a contemporary topic of particular interest is not part of the curriculum.
- Result Analysis of the previous academic session to monitor learning outcome of a course as a routine practice. For optional courses like Generic Elective (GE) and Skill Enhancement Courses (SEC) to be offered by a Department in the next semester, students are consulted in advance to get feedback so that courses favoured by a majority of students are put on offer.
- Developing online dynamic feedback mechanisms for facilities and services such as Library, Cafeteria, sanitation, toilets, infrastructure, ICT services, helpfulness of staff, administrative processes, etc.
- Documentation of faculty research activities through proforma for sanctioned research project details and expression of interest to supervise MPhil and PhD students.
- The New Academic Block, designed to comply with Energy Conservation Building Code of the BEE, Government of India, as far as possible, has been integrated with the Old Academic Block with well-designed courtyard and red sandstone pathways. It has been connected to the Old Academic Block by creating a pathway to the inner courtyard, in continuation with the path from Gate no. 3 of the college, through what used to be the old Chemistry Lab. A connection has also been created at the level of the first and second floors by extending the corridors on the respective floors. The Physics and Chemistry Departments have relocated to the new laboratories which have been suitably furnished and equipped for use. The second floor is being furnished to accommodate the Department of Mathematics and Department of Computer Science computer lab and further additional space for computational work.

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
Inclusivity	<ul style="list-style-type: none"> • Careful observance of National policies and DU guidelines. • Continuous endeavour towards inclusive classroom and respecting diversity. • Generic provisions for students with diverse special needs. • Specific provisions for visually challenged students and other PwD. Quick Response (QR) codes have been installed at prominent places in the college outside Principal's office, College office, Accounts Section, Digital Resource Centre, Library, some class rooms and washrooms. These codes give locational information to the visually challenged students through their mobile phones.

Enhancing Infrastructure	<ul style="list-style-type: none"> • Provision of additional laboratory and classroom space in the New Academic Block • Making the college campus disabled-friendly by installing lift in New Block and connecting it with Old Block at ground floor, first floor and second floor level.
Curriculum Delivery	<ul style="list-style-type: none"> • Organization of teaching with scrupulous advance planning. • Display of teaching schedules and timetables well in advance. • Class and tutorial schedules followed meticulously.
Augmenting Quality of Teaching-Learning	<ul style="list-style-type: none"> • Implementation of interactive strategies with the student learner at the centre. • Using an appropriate blend of methods including ICT. Student projects, collaborative work and presentations used as teaching modes in addition to the lecture mode.
Receptive Practices in the Classroom	<ul style="list-style-type: none"> • Interactive sessions with students incorporated into lectures. • Special attention to specific student needs. • Provision of timely intervention in the classroom. • Continuous assessment and analysis of performance. • Students given multiple opportunities for improvement of performance.
Supporting Advanced Learners	<ul style="list-style-type: none"> • Guidance for stimulating assignments and special opportunities. • Exposure to research-based projects. • Experts invited for mentoring and internship offers. • Encouraging advanced learners to apply for awards and scholarships.
Supporting Vulnerable Students	<ul style="list-style-type: none"> • Modifying teaching methods according to specific needs of students. • Remedial classes and bridge courses as per need. • Financial assistance provided to needy students
Enrichment Activities	<ul style="list-style-type: none"> • Short-term Add-on courses offered for interested students. • Frequent Seminars, Workshops, Invited Lectures etc. organised.
Encouraging Research	<ul style="list-style-type: none"> • Faculty research opportunities provided. Several teachers approved as PhD supervisors given lab space and office support as needed. • Summer internship opportunities for

	students in the college to give them a flavour of research.
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14. Whether the AQAR was placed before statutory body? Yes /No:

Name of the statutory body: Date of meeting(s):

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?

Yes/No: Date:

16. Whether institutional data submitted to AISHE: Yes/No:

Year: Date of Submission:

17. Does the Institution have Management Information System?

Yes/No

If yes, give a brief description and a list of modules currently operational. (Maximum 500 words)

The entire campus is Wi-Fi enabled. All faculty members have been issued Netbooks. All classrooms are multimedia enabled. The library provides easy access to digital knowledge resources through DULS. The college has invested resources in development of custom-designed software packages for Enterprise Resource Planning (ERP). These are periodically upgraded to meet new requirements. Administrative staff provides the faculty timely information on student admissions, demographic profile, course options exercised by students, distribution of students across courses and sections, examinations to take, and so on. It manages attendance and Internal Assessment (IA) records. There is seamless integration and linking of all processes; this entails management of student data from the start point defined by online admission application to the end point defined by examination results and issue of certificates and transcripts.

Links to the following documents are available on the website:

College Prospectus is published annually coinciding with the admission schedule for the fresh batch of students. It provides information about the college and the admission process to prospective students. It carries a welcome message from the Principal, brief overview of the college, its mission, its history, and structured information on

Academic Programmes: Courses offered along with number of sanctioned seats; Course details; Department-wise faculty list; Add-on Courses

Admissions: Important dates; Procedure for Admission; Fee Structure; Procedure for Admission to the Hostel

Campus life: Extracurricular and Co-curricular activities; Infrastructure; Leisure facilities; Research and education outreach; International Collaborations; Placements, Career and Education Advancement; Discipline, Ordinances on Anti ragging and Sexual Harassment.

Hostel Bulletin of Information provides essential information on the hostel facilities, process of admission, hostel fee, and the hostel rules.

Handbook of Information is distributed to the new batch of students on the first day of the academic year after the Orientation Programme; and to students of II and III Year at the time of payment of the college fee for the year. It provides information on

Administrative Structure: Principal, Vice Principal, Bursar; Administrative Section, Accounts Section and Library staff; Teachers-in-Charge of Departments;

Extracurricular and Co-curricular Activities and their Faculty Conveners;
Statutory Committees on Discipline and Empowerment; Student Entitlements; Student Documents and Information: Identity Card, E-mail; course/subject change; Bona fide and Migration Certificate; Withdrawal; Transcripts; DTC, Rail/Air Concession;
Fee and Financial Assistance: Payment, Refund, Bank Accounts, Bursaries, University and Government Scholarship Schemes including reserved category;
Awards and Fellowships: College Academic and Extracurricular Awards; Scholarships for Resident Scholars, PwD;
Student Life: Facilities; Extracurricular and Co-curricular Societies; Academic Requirements (Statutes and Ordinances): Absence and Leave; Attendance, Internal Assessment, Conduct Rules at Examinations; Eligibility for award of Degree, Promotion Criteria;
Discipline: Code of Conduct; Prohibition and Punishment for Ragging; Sexual Harassment policy and Internal Complaints Committee; Statutory Undertakings;
Oversight: Grievance Committee Schedules; Academic Calendar; Activity Calendar;
Campus Details: Layout Plans; directions;
Security: College, Police and Women Desk Helpline numbers
Handbook on Anti-ragging is an important booklet distributed to all students at the beginning of the academic year to reiterate zero tolerance on ragging.

Part-B

CRITERION I – CURRICULAR ASPECTS
1.1 Curriculum Planning and Implementation
<p>1.1.1 Institution has the mechanism for well-planned curriculum delivery and documentation. Explain in 500 words</p> <p>The College views the teaching-learning process as the most important function it performs. The crucial aspect of excellence at Miranda House is the quality of its teaching-learning programmes that are not restricted only to the classroom but include a range of enrichment activities. Within the constraints of the curricular framework prescribed by the parent university, MH exercises its relative autonomy to create uniquely enabling experiences to help each student to accomplish the generic goal of education, and specific course objectives and learning outcomes. Teaching-learning is student-centric, highly interactive and innovative, blending a variety of methods including ICT where suitable. Tutorials, continuous assessment and mentor-mentee interactions are used to identify students' learning difficulties and special needs. Every student receives adequate support through remedial and bridge courses to help her to catch up. Priority is given to enhancement of language proficiency and communication skills through specially designed courses. Creative teaching-learning within the classroom and enrichment activities beyond the classroom have ensured successful achievement of learning outcomes. With peer support and formal capacity building programmes, the faculty have been adequately motivated, oriented and professionally enabled to handle changes in the syllabi. Under CBCS, the college has leveraged the system to provide students maximum available flexibility in choice of courses. Proper monitoring and timely procurement has ensured students have the necessary course material. The College has taken a quantum leap in digital infrastructure to remain on the leading edge as a knowledge-based community, leveraging e-resources. It has evolved as a networked community with Learning Anytime Anywhere as its motto. Using the lawns and other unconventional spaces as learning spaces has helped the College to overcome the shortage of conventional classrooms. The Wi-Fi enabled campus and excellent student-computer ratio has given the additional boost. MH views beyond-the-classroom activities as essential for nurturing talent and developing a sense of social responsibility, soft skills and leadership qualities. It also encourages UG</p>

research. Faculty members undertake continuous assessment as a tool for enhancing and enriching teaching-learning. Assignments, projects and presentations are integrated to judge students' course-specific achievements. Collaborative group work is blended with individual assigned tasks. Performance on each task is discussed. The Department Moderation Committee scrutinizes the IA scores. These are publicly displayed for one week for students to view and give their feedback on. If at any stage a discrepancy is identified, a formal mechanism of grievance redressal is initiated.

1.1.2 Certificate/ Diploma Courses introduced during the Academic year

Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	focus on employability/ entrepreneurship	Skill development
Certificate Course in Data Science and Analytics	None	Jan 2018	Yes	Yes

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year: **None**

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
NA	NA	NA	NA

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the Academic year.*

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
1. B.Sc. Programme	Yes	No	2016		
2. B.Sc. Honours	Yes	No	2016		
3. B.A. Programme	Yes	No	2016		
4. B.A. Honours	Yes	No	2016		

*Already adopted (mention the year)

Note: The 4-year Bachelor of Elementary Education (B.El.Ed.) course runs in Annual Mode

1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year

No of Students	Certificate	Diploma Courses
Certificate : 107 Diploma: Nil	French Language (One Year Certificate Course)	NA
	German Language (One Year Certificate Course)	
	Spanish Language (One Year Certificate Course)	
	Computer Applications For Visually Challenged Students (Short Duration Certificate Course)	
	Living Values (Short Duration Certificate Course)	

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year		
Value added courses	Date of introduction	Number of students enrolled
1. Rethinking the Obvious : Rhetoric of Development	20 August to 31 October	25
2. Foundation of Yogasana	27 August to 22 September 2018	52
3. Nanochemistry	August 2018 to March 2019	18
4. Cell Culture Techniques and Application	Not offered in 2018-19	
5. Bioinformatics and <i>in silico</i> medicine	Not offered in 2018-19	
6. Medical Biotechnology	Not offered in 2018-19	
7. Operations Research; Optimization for better decisions	Not offered in 2018-19	
8. Data Science and Analytics	August to December 2018	6

1.3.2 Field Projects / Internships undertaken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
1. Swachhta Pakhwara (VC Lawns & Patel Chest)	Exact numbers not on record for all activities
2. Teaching Visually challenged & Underprivileged students (Hakikat Park, Hudson Lane) (NSS, Miranda House)	
3. Project Sadbhawna (Udaan Rose Home, Kamla Nagar) (NSS, Miranda House)	
4. Athenas (Vishwavidyalaya Metro Station)	
5. Wreath laying (Amar Jawan Jyoti)	
6. NC-WEB Event (School of Open learning)	
7. Cleanliness Drive (Patel Chest Marg, Miranda House campus, Chhatra Marg and Main Road)	
8. Plantation Drive (Kamla Nehru Ridge)	
9. Surgical Strike day (Delhi University NSS Centre)	
10. Women Hygiene Seminar (IIT Delhi)	
11. Voters Awareness Forum (A.E.R.O. Central Delhi)	
12. <i>Project Zaffran</i> (Johripur, Bhati Kalan, Khari Baoli)	
13. <i>Project Ikhtiyaar</i> (Lok Kalyan Setu)	
14. <i>Project Dhreya</i> (Sundar Nagri, Mehmeta Village, Sonapat, Haryana)	
15. <i>Project Jazba</i>	
16. <i>Project Inara</i> (Madrasi Basti)	
17. <i>Project Tarang</i> (Govindpuri and Dhaula Kuan)	
18. <i>Project Dhreya</i> (Diaries) (NIFT Delhi)	
19. <i>Project Daryaft</i>	
20. Project: <i>The Relationship between Sociology and History</i> – visits to the National Museum	
21. Summer internship at Vikram Sarabhai Space Centre , ISRO	
22. Summer internship, NIUS, Tata Institute of Fundamental research	

23. Summer internship at Physics Research Laboratory
24. Summer internship at Indian Institute of Science
25. Summer internship at Inter-University Accelerator Centre
26. Summer internship at Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)
27. Summer internship at DS Kothari Centre for Research and
28. Innovation in Science Education at Miranda House
29. <i>Weekendr</i> (Exploratory Data Analysis Attendance system for colleges)
30. Social Media internship with RAY NGO Project on starting Funding (Data Science)
31. Project on starting Funding (EDA)
32. Gradeup Subject Expert through Internship

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes*/ No	Yes**/ No	Yes#/ No	Yes#/ No	Yes#/ No

*Through mentor-mentee interactions. Each student (mentee) is assigned a faculty mentor with whom they interact whenever they need or wish to. In addition, students can make their views known through their Class Representatives and Society and Students' Union office bearers.

**Through the Academic Committee which has regular meetings with the Principal and her team.

Alumnae and parents frequently write directly to the Principal, whose contact information is displayed on the college website, with suggestions and positive comments. Firms which employ young women graduating from Miranda House and academicians in whose institutions graduating MH students are placed for higher studies often send congratulatory emails to the Principal or faculty and ask for more Miranda students to be placed with them.

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

The College understands its responsibility towards the concerned parties: the students, their parents, serving and former teaching and non-teaching staff, alumnae, the funding agencies and the parent University. It also holds itself accountable to the society at large. The College makes an effort to be fair, transparent and culturally sensitive. Difficulties faced by students from different parts of the country in settling down and getting on with their studies are addressed on an urgent basis through counselling, mentoring and peer interaction. Through the college website, relevant policies, decisions and data for public knowledge are announced and displayed. The foremost objective of education at MH is to train students to take charge of their own learning. From the beginning, MH has always promoted student-centric teaching-learning. Rather than a space for a monologue by the teacher, MH classrooms are vibrant spaces for interaction, discussion and debate. Teachers frequently and seamlessly integrate enrichment activities with formal teaching to create memorable learning experiences which result in transformative intellectual growth. Teachers make sure that the lectures are sufficiently interactive and the tutorial system is further strengthened. Faculty members are aware that a diverse set of teaching methods should be used to generate interest and understanding. They understand that active learning can be promoted and enhanced

by leveraging peer learning and collaborative group work. They also understand the importance of relating intangible knowledge to suitable examples and enabling students to apply knowledge gained to solve real world problems. Field trips, excursions and visits to other organizations are encouraged and form an important component of activities undertaken by all departments. Students are encouraged to give suggestions for activities that would generate interest in their peer group. The college has organized several training programmes for faculty members to familiarize them with the use of computers, generic and specific software, and IT tools. The programme Miranda Goes Google has empowered faculty and students alike to use collaborative IT tools. With these initiatives, the college has mainstreamed the use of IT in education. Several faculty members have undergone training in use of IT tools at ILL and CPDHE and are also actively engaged in writing course materials and creating e-Resources for DU. Projects and presentations are frequently used to augment the chalk and talk method of teaching. For example, the college funded a project 'Digitization of High Resolution Slides of Indian Coins', undertaken by a History faculty member in 2015 to enhance classroom teaching of the subject. Student projects and presentations have become a part of internal assessment for every department. This should ultimately mature into 'flipped classrooms' at MH.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received*	Students Enrolled
UG 3-year Programme	1001		1074
UG 4-year Programme	54		51
PG 2-year Programme	323		323

* In the Academic Year 2018-19, University of Delhi offered a centralized online pre-admission form for admission where the candidate applied for a number of courses and colleges. A total of about 1.25 Lakh applications were received.

Demand Ratio 1:120

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018-2019	3604	543	132	---	---

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
192	192	Projectors,	75		Comput

		Advanced Labs, Audio-Visual setup etc.			ers, projecto rs, remote controll ed projecti on screens; self- develop ed audio and video content and also from reliable sites used
--	--	--	--	--	---

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Miranda House has a structured mentoring system in place. Each student is assigned a faculty mentor at the beginning of the academic session. This is done by the teacher-in-charge of the concerned department in which the student is admitted. In case of courses such as B.Sc. Programme and B.A. Programme, where the student studies multiple subjects with equal emphasis, the assignment of mentor is done by the Course Coordinator. The mentor gives each mentee assigned to her/him a form to fill up details such as local address, permanent address and contact information of person to be contacted in case of an emergency. The mentor also informs the mentees when she would be available in case the mentees want to speak to her. The mentees are encouraged to interact with the mentors and inform them about difficulties faced within the classroom and outside. Learning difficulties faced by students who are reluctant to communicate directly with their teachers may be addressed by the mentor through communication with the teacher concerned and explaining the problem to her/him. The mentor may also help the student to learn better through peer interaction by putting her in touch with peers who are able and willing to help. Outstation students sometimes face problems in settling down in Delhi which the mentor can help them to solve by just listening and counselling. Outstation students who are not residents of the college hostel or any of the other DU hostels may have problems in their private hostels which they also discuss with their mentors. Mentors try to counsel them and even help them to look for alternative accommodation if necessary. In addition to faculty mentors, there is also a professionally qualified Counsellor whose services are available to students. Peer mentoring in class groups, open Societies and the Students' Union is also possible.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
UG 3604	192	1:15-20

2.4 TEACHER PROFILE AND QUALITY

2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with PhD
196	132	64	No permanent	102

			appointment has been made during the current year	
2.4.2 Honours and recognitions received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)				
<i>Year of award</i>	<i>Name of full time teachers receiving awards from state level, national level, international level</i>	<i>Designation</i>	<i>Name of the award, fellowship, received from Government or recognized bodies</i>	
2019	Dr Pratibha Jolly	Principal	Woman of the Year Award Honouring Women of Society MSME HQ	
2019	Dr. Pratibha Jolly	Principal	Woman Entrepreneurship mentor award Delhi Management Association India Habitat Centre	
2019	Dr Bijayalaxmi Nanda	Acting Principal, Associate Professor in Political Science	Swayamsiddha Samman Kavikumbh Sammelan	
2019	Dr. Poonam	Assistant Professor in Chemistry	Recognized as Adjunct-Assistant Professor, Department of Medicine, Loyola University Medical Center, Health Sciences Division, Chicago, IL- 60153, USA	
2019	Dr Shampa Roy	Associate Professor in English	Charles Wallace India Trust CWIT Visiting Fellowship Award Charles Wallace India Trust CWIT British Centre for Literary Translation (BCLT), University of East Anglia, UK	
2019	Ms Madhu	Associate Professor in History	Travel Grant Scholars of Color Conference Temple University, Philadelphia, USA	

2019	Monika Tomar	Associate Professor in Physics	UGC Travel Grant for International Conference
2019	Dr Monika Sharma	Assistant Professor in Zoology	EMBO Travel Grant EMBO
2019	Dr. Poonam	Assistant Professor in Chemistry	Distinguished Investigator Award International Conference on <i>Integrative Chemistry, Biology and Translational Medicine</i> organized by Centre for Global Health, Hansraj College, University of Delhi & Loyola University Chicago Stritch School of Medicine, USA
2019	Dr. Poonam	Assistant Professor in Chemistry	Recognized as Adjunct-Assistant Professor, Department of Medicine, Loyola University Medical Center, Health Sciences Division, Chicago, USA
2018	Ms Madhu	Associate Professor in History	Travel Grant Shanghai University College of Liberal Arts, Shanghai, China
2018	Ms Madhu	Associate Professor in History	Travel Grant European Symposium on Societal Challenges in Computational Social Sciences, Gesis Leibniz Institution for Social Sciences, Cologne, Germany
2018	Dr Poonam	Assistant Professor in Chemistry	Recognized as PhD Supervisor by the Department of Chemistry, University of Delhi in June 2018
2018	Dr Rekha Kumari	Assistant Professor in Zoology	Reviewer for e-content for lessons at UG level in molecular biology and biotechnology. CEC. UGC and MHRD initiative at IUAC, Aruna Asaf Ali Marg. http://cec.nic.in/Pages/Home.aspx
2018	Dr Sadhna Sharma	Assistant Professor in	International Certificate of 'Outstanding Contribution in Reviewing' by <i>Microbial</i>

		Zoology	<i>Pathogenesis</i> , Elsevier
2018	Dr Sadhna Sharma	Assistant Professor in Zoology	CSIR JRF (1) to PhD Scholar Medha Singh
2018	Dr Sadhna Sharma	Assistant Professor in Zoology	Expert and Reviewer for 3 Elsevier Journals, 1 Springer Journal, 1 NISCAIR Journal (July 2018-19)

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year *

Program Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester-end/ year- end examination

*Miranda House is a constituent college of the University of Delhi and the evaluation of answer scripts and declaration of results are controlled by the office of the Dean Examinations, University of Delhi. The results are available to the students for each course on the University website as and when they are declared.

2.5.2 Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As envisaged by the parent university under the CBCS scheme, the academic progress of students is monitored through continuous evaluation. Faculty members undertake continuous assessment of learners through different methods like assignments, projects and class presentations depending on the course requirement. The students are also consulted on the mode of assessment by individual teachers so that they can give their input concerning the best method for their self-assessment which will help them to prepare for the end-of-semester examinations. Teachers go out of their way to give slow learners multiple opportunities to improve their performance so that no student is left with the feeling of not having been given a fair chance. Students involved in outreach and cultural activities, NCC cadets and active members of Societies involved in extra-curricular work are given special opportunities to catch up with the rest of the class. This allows for all-round development of gifted students without detracting from their academic performance. In the science laboratories, students are awarded marks in each class for attendance, a viva voce examination, regularity in submitting laboratory record books and successful completion of the day's work. This makes the students conscious of the importance of regularity and thoroughness in the lab. External examiners from various colleges who are appointed to examine MH students are appreciative of the systematic continuous evaluation procedure adopted in the labs in MH. The IA scores then go through two levels of scrutiny, the department committee and the college committee, before being displayed for students.

2.5.3 Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

As a constituent college of the University of Delhi, Miranda House adheres to the academic calendar and examination schedule announced by the University regarding teaching-learning, examinations and vacations including Summer and Winter vacations and two mid-semester breaks.

Weblink: http://du.ac.in/du/uploads/09102018_AC.pdf

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

MH is committed to a set of broad learning outcomes, aligned to its legacy, vision and mission which cover all aspects of student life at the college. These are dynamic and responsive to emerging areas of knowledge, world of work and needs of students. The entire MH community works towards fulfillment of these objectives. The framework of UG degree programmes has in-built flexibility with a choice of courses in the form of interdisciplinary and open electives. In the Choice Based Credit System implemented from 2015-2016, these are in the form of Generic Electives (GE), Discipline Specific Electives (DSE), Ability Enhancement Courses (AECC) and Skill Enhancement Courses (SEC). The nomenclature reflects the expected outcomes. Despite classroom teaching-learning being extremely focused within the framework of the degree programme, at the micro level, each course of study defines its own unique set of learning outcomes that are connected to the curriculum.

The College encourages faculty to participate in Refresher Courses so that they can gain familiarity with specific course objectives and tune the classroom teaching accordingly. The College also provides opportunities for faculty to organize in-house Educate the Educator Programmes to help create and disseminate course templates with details on objective and learning outcomes.

The generic objective of a specific course is communicated to students by faculty at the beginning of the session. Following effective pedagogic practice, faculty articulates the learning objective and expected outcomes for each topic. These are reiterated through discussions and small group tutorials. In all laboratory courses, students are made aware of the importance of arriving at an outcome in consonance with the task set. The learning outcomes are evident in the form of results of the exercise set or experiment undertaken. Immediate feedback is provided to the student. Immediate remedial action is also possible to ensure learning.

Weblinks:

Undergraduate framework <http://mirandahouse.ac.in/academics/courses/undergraduate.php>

Undergraduate course details

<http://mirandahouse.ac.in/academics/courses/undergraduatecoursedetails.php>

B.A. (H) Hindi <http://mirandahouse.ac.in/academics/departments/hindi/hindioverview.php>

B.A. (H) English <http://mirandahouse.ac.in/academics/departments/english/englishoverview.php>

B.A. (H) Economics

<http://mirandahouse.ac.in/academics/departments/economics/economicoverview.php>

B.A. (H) Geography

<http://mirandahouse.ac.in/academics/departments/geography/geographyoverview.php>

B.A. (H) History <http://mirandahouse.ac.in/academics/departments/history/historyoverview.php>

B.A. (H) Pol. Sc.

http://mirandahouse.ac.in/academics/departments/politicalscience/politicalscience_overview.php

B.A. (H) Sociology

<http://mirandahouse.ac.in/academics/departments/sociology/sociologyoverview.php>

B.El.Ed.

http://mirandahouse.ac.in/academics/departments/elementaryeducation/elementaryeducation_overview.php

B.Sc.(H) Botany <http://mirandahouse.ac.in/academics/departments/botany/botanyoverview.php>

B.Sc.(H) Chemistry

<http://mirandahouse.ac.in/academics/departments/chemistry/chemistryoverview.php>

B.Sc.(H) Mathematics

<http://mirandahouse.ac.in/academics/departments/mathematics/mathematicsoverview.php>

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final semester/year examination	Pass percentage
507	B.A. (H) Bengali	-	-	
510	B.A. (H) Economics	63	63	100
511	B.A. (H) English	73	72	98.6
513	B.A. (H) Geography	49	49	100
516	B.A. (H) Hindi	62	62	100
518	B.A. (H) History	50	48	96
526	B.A. (H) Philosophy	45	42	93.3
529	B.A. (H) Sanskrit	25	24	96
530	B.A. (H) Sociology	61	61	100
501	B.A. Programme	159	159	100
582	B.Sc. Physical Sciences	36	36	100
556	B.Sc. (H) Botany	30	30	100
557	B.Sc. (H) Chemistry	86	86	100
569	B.Sc. (H) Zoology	27	23	85.1
563	B.Sc. (H) Mathematics	83	70	84.33
583	B.Sc. Life Sciences	40	40	100
	B.El.Ed.	41	41	100

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

Instead of a structured survey, feedback from students in Miranda House is obtained through mentor-mentee interactions. Each student (mentee) is assigned a faculty mentor with whom she interacts whenever she needs to. In addition, students can make their views known through their Class Representatives and Society and Students' Union office bearers. It is easier for newly-admitted First Year students, who may be too shy or hesitant to directly communicate their views to teachers, to have their opinions conveyed to the departmental and college authorities through their own peers.

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Resource Mobilization for Research

3.1.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the Academic year Rs
Major projects Fabrication of Lamb Wave Devices on SiO ₂ /Si Membrane for strategic applications	March 2019-2022	DRDO	428.02 Lakh	314.282 Lakh

Development of ferroelectrics thin film based photovoltaics cell [EMR/2017/000194] (as PI)	2017-2020	DST	31.54 Lakh	5 Lakh
Development of Nanoantenna Sensors for Infrared Detection.	Feb 2019 to Feb 2021	DST	63 Lakh	55 Lakh
Optimization of TiOx film and patterning of the Polymer (PI-2610)	February 2018-2019	DRDO	22.19 Lakh	22.195 Lakh
Star College Scheme	February 2017-2019	DBT, Ministry of Science and Technology	53 Lakh	11.95 Lakh
Inter-Regional aspirations in Jammu and Kashmir	November 2017-2019	ICSSR	18.7 Lakh	9.35 Lakh
Declining Child Sex Ratio and Violence Against Women: Examining Girl-Child Discrimination in India	April 2018 – April 2020	ICSSR - CSDS	15 Lakh	3.20 Lakh
A study of macrophage apoptosis and mitochondrial integrity in response to PE/PE_PGRS family proteins of Mycobacterium tuberculosis	March 2018-2021	SERB (DST)	68.37 Lakh	38 Lakh (Including 26 Lakh for Equipment)
Development of thin film Surface Acoustic Wave device as a platform for the sensing applications	November 2014-19	DST	474.34 Lakh	Nil

[DST/TSG/ME/2013/58-G]				
Thio-click approach for the synthesis of stable glycomimetics and chiral oxathiacrown ethers	August 2016-2019	DST	36.816 Lakh	Nil
Therapeutic Potential of Medicinal Plants: Culture, Extraction, Physicochemical Characterization and Testing their Cytotoxic or Immunostimulatory Properties	Oct. 2015-2019	DU Star Innovation Project	26.66 Lakh	Nil
3R: Reduce, Reuse, Recycle	October 2015-2019	DU Star Innovation Project	40.88 Lakh	Nil
Eureka! My Lab: Developing Resources and Hands-on Science Activities and an Adaptation Accessible for Visually Impaired	October 2015-2019	DU Star Innovation Project	37.50 Lakh	Nil
Core Development of College Infrastructure and up of a Central Instrumentation Facility	October 2015-2019	DU Star Innovation Projects	26 Lakh	Nil
Minor Projects	Sept. 2017-2018	DRDO	9.42 Lakh	1.42 Lakh

Feasibility study for fabrication of Air bridges by gold electroplating				
Detoxification of environment persistent organic pollutants primarily pesticides using functionalized nanomaterials	April 2017-2019	UGC	10 Lakh	4.50076 Lakh
To Establish a Pollution Monitoring Station Across road over the Nala at Kingsway Camp and determine effects of pollutants and Air quality on the public health and microflora/microfauna	April 2018-2019	DBT	8 Lakh	6.50 Lakh
Interdisciplinary Projects	2017-2020	DBT	Rs 79 lakhs	Rs 13 lakhs (4 Science Departments)
Industry sponsored Projects				
Projects sponsored by the University/ College		DU Star Innovation Projects as listed above		
<u>Students Research Projects</u> (other than compulsory by the College) Epitopic analysis of <i>Mycobacterium tuberculosis</i> genes for vaccine development through immunoinformatics				
Analysis of Soil and exploring biodiversity from the soil samples collected from				

Jakrem, the Hot Water Spring, Meghalaya, India				
Student activity project “Darwin’s Finches and Evolution”				
International Projects				
Any other(Specify)				
Total				

3.2 Innovation Ecosystem

3.2.1 Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
Biotechnology Popularization Programme ‘Understanding one of the Major Healthcare Challenges of Today’ organized	Zoology Department in collaboration with CRI, France and CSIR-IMTECH, India	3 June 2019
Workshop on Sensitization and Awareness on the RPWD Act 2016	Multi-departmental	14 March 2019
Advances in Remote Sensing for Agriculture	Geography, Botany	21-22 February 2019
Vigyanshala: Undergraduate Student Workshop	Science Departments	20 February 2019
TEACH FOR INDIA	Multi-departmental	20 February 2019
Miranda Campus Bird Count for students	Zoology Department in collaboration with Bird Count India	18 February 2019
Empowering Women in Chemistry as a part of the Centenary Celebration of the International Union of Pure and Applied Chemistry (IUPAC)	Chemistry Department	12 February 2019
Workshop on Career Training in collaboration with Enable India and Help the Blind Foundation	Enabling Society and multiple departments	11-12 February 2019
Zenith: Annual Economics Conclave	Economics	8-9 February 2019
Movie screening of ‘Ek Aur	Film Club	5 October 2018

Inquilab Aaya'		
Science Conclave 2019 for undergraduate and postgraduate INSPIRE scholars	Science Departments with DST	16-18 January 2019
Bilingual Teaching: The Languages of Classroom Discourse	Multi-departmental	24 September 2018
Conclave on Biodiversity for Everyone's Life	Institute of Bio resources and Sustainable Development (IBSD) Centre, Miranda House	31 August 2018
Fundamentals and Advanced concepts of Flowcytometry	Zoology	2-3 August 2018

3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Excellence in the area of Environment and Society	Miranda House	Pandit Deendayal Upadhyaya Smriti Sansthan under the guidance of Ministry of Environment, Forest and Climate Change MoEFCC	2019	Institution
Woman Entrepreneurship mentor award at 9 th Woman Entrepreneurship Conference	Dr Pratibha Jolly	Woman Entrepreneurship mentor award	2019	Teacher
Swayamsiddha Samman	Dr Bijayalaxmi Nanda	Kavikumbh Sannam	2019	Teacher
Charles Wallace Trust Translation Fellowship award	Dr Shampa Roy	Charles Wallace Trust	2019	Teacher
Bill and Melinda Gates Foundation Global Health Travel Award	Dr Monika Sharma	Bill and Melinda Gates Foundation	2019	Teacher

Eiffel Excellence Scholarship	Noor Bhatnagar	Ministry of Foreign Affairs and International Development, France	2019	Student
Inlaks Scholarship	Rajnandini Mukherjee	Inlaks Shivdasani Foundation	2019	Student
Inlaks Scholarship	Suchita Agrawal	Inlaks Shivdasani Foundation	2019	Student
ENS University Scholarship	Riddhima Puri	Ecole normale Superieure ENS Paris, France	2019	Student
Charpak AME Scholarship	Shireen Manochna	Campus France	2019	Student
Gandhi Fellowship	Richa Sharma	Gandhi Fellowship	2018	Student
Bishwa Bangla Masters Scholarship	Swareena Gurung	School of Oriental and African Studies University of London	2018	Student
Best Poster Award	Rupal Garg	Indo US Colloquium on Recent Developments in Interdisciplinary Research Department of Chemistry, University of Delhi	2018	Student

3.2.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
Johripur, Bhati Kalan	Project Zaffran	Enactus, MH
Sundar Nagri Mehlana village, Sonapat	Project Dhreya	Enactus, MH
Ram Ghat, Wazirabad Lok Kalyan Marg, ITO	Project Ikhtiyaar	Enactus, MH
Madrasi Basti, Lajpat Nagar	Project Inara	Enactus, MH
Name of the Start-up	Nature of Start-up	Date of commencement
Not Applicable	Not Applicable	Not Applicable
<p><i>Some Innovative Practices in Miranda House</i></p> <ul style="list-style-type: none"> • Government e-Marketplace (GeM) portal is being used to procure items for the College; • College Science Purchase Committee-Rate Contract (SPC-RC) constituted for procurement of items required for undergraduate teaching laboratories has screened the applications received from different vendors, shortlisted suitable ones and entered into an annual rate contract with them. • Leave Application, Leave Travel Concession, Medical Reimbursement, Nomination, Festival Advance, Family Declaration forms have been uploaded on the College website for easy access. • Most notices are uploaded on the College website so that they are available for viewing by the entire College community. • Digital notice boards placed in various parts of the College display details of up-coming and recently held events/lectures/conferences/workshops. • Documentation of faculty engaged/interested in supervision of M.Phil/PhD students has been initiated through the pre-project submission form/sanctioned project details/expression of interest form designed in the last academic session. • The existing data base of visitors and resource persons is constantly being updated. • Faculty Development Program and Workshops for Laboratory Staff are held. • Workshop to enhance Computer Literacy has been organized for Laboratory Staff; • Mobile Apps: <i>MH Acad ME</i>, <i>Event Hub</i> and <i>Infra Care</i> are being used successfully by the Miranda House community: <i>MH Acadme</i> by faculty for attendance of students, <i>Event Hub</i> for booking a venue for an event to be hosted by the college or a department, <i>Infra Care</i> for registering a complaint for any infrastructural repair required. • Weekly department colloquia are held in several departments where teachers present research or review work and some students present the work done during summer internship programmes. • Workshops to further enhance Financial Literacy are organized from time to time. 		
3.3 Research Publications and Awards		
3.3.1 Incentive to the teachers who receive recognition/awards Yes		
<p>The awardees are incentivized by projecting and promoting their work on public platforms and highlighting on websites. These include the Miranda House Principal's Report released on Founder's Day and Annual Reports submitted to the University of Delhi.</p>		
State	National	International
	Woman Entrepreneurship mentor award at 9 th Woman Entrepreneurship	Dr Poonam (Chemistry) Distinguished Investigator Award at the International Conference on <i>Integrative Chemistry, Biology and Translational Medicine</i> by Centre for Global Health,

Conference Dr Pratibha Jolly, Principal	Hansraj College, University of Delhi & Loyola University Chicago Stritch School of Medicine
Woman of the Year Award honouring Women of Society MSME Dr Pratibha Jolly, Principal	Dr Shampa Roy (English) Charles Wallace Trust Translation Fellowship award
Swayamsiddha Samman at Kavikumbh Sammelan for Dr Bijayalaxmi Nanda, Acting Principal	Dr Monika Sharma (Zoology) Bill and Melinda Gates Foundation Global Health Travel Award

3.3.2 PhDs awarded during the year (applicable for PG College, Research Center)*

Name of the Department	No. of Ph. Ds Awarded

* Sixteen faculty members are recognised PhD supervisors. 32 students are registered for PhD under them. No student was awarded PhD in 2018-19.

3.3.3 Research Publications in the Journals notified on UGC website during the year

Type	Department	No. of Publications	Average Impact Factor, if any
National	Computer Science	2	
National	Elementary Education	1	
National	Hindi	8	
International	Chemistry	8	33.3
International	Mathematics	3	2.6
International	Sanskrit	4	
International	Zoology	7	10.22
International	Physics	65	
International	Geography	2	
International	Political Science	3	
International	Philosophy	1	
International	Botany	1	
International	History	2	

3.3.4 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publications
Computer Science	10 chapters
Elementary Education	2 chapters
Chemistry	5 chapters; 2 books
English	3 books
Hindi	2 books
Sociology	1 book adaptation
Geography	6

3.3.5 Bibliometrics of the publications during the last Academic Year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index					
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication
Fabrication and characterization of ZnO-TiO ₂ -PANI (ZTP) micro/nanoballs for the detection of flammable and toxic gases	Monika Tomar	Journal of Hazardous Materials	2019	6	Miranda House
Impact of plasma dynamics on Magneto Optic Kerr Effect (MOKE) in Mn doped BFO thin films	Monika Tomar	Physica B	2019	1	Miranda House
Enhanced microwave absorption and suppressed reflection of polypyrrole-cobaltferrite-graphenenanocomposite in X-band	Monika Tomar	Journal of Alloys and Compound	2019	3	Miranda House
Highly sensitive and non-invasive electrochemical immunosensor for salivary cortisol detection	Monika Tomar	Sensors and Actuators B	2019	1	Miranda House
Multifunctional CuONanosheets for High-Performance Supercapacitor Electrodes with Enhanced Photocatalytic Activity	Monika Tomar	Journal of Inorganic and Organometallic Polymers and Materials	2019	1	Miranda House
Electrical properties of Strontium Barium Niobate	Monika Tomar	Vacuum	2019	1	Miranda House

(Sr _{0.6} Ba _{0.4} Nb ₂ O ₆) thin films deposited by Pulsed Laser Deposition technique					
Enhanced electron transfer properties of NiO thin film for the efficient detection of urea	Monika Tomar	Materials Science and Engineering B	2019	3	Miranda House
Dielectric and ferroelectric studies of KNN thin film grown by Pulsed Laser Deposition technique	Monika Tomar	Vacuum	2019	3	Miranda House
Pyrene appended bis-triazolylated 1,4-dihydropyridine as a selective fluorogenic sensor for Cu ²⁺	Monika Tomar	Dyes and Pigment	2019	3	Miranda House
Structural and dielectric properties of PLD grown BST thin films	Monika Tomar	Vacuum	2019	2	Miranda House
Low resistivity of pulsed laser deposited Cd _x Zn _{1-x} O thin films	Monika Tomar	Ceramics International	2019	1	Miranda House
Structural, morphological and optical properties of BiFe _{0.99} Cr _{0.01} O ₃ thin films	Monika Tomar	Vacuum	2018	2	Miranda House
Detailed optical analysis of 100 MeV Ni ⁷⁺ ion irradiated WO ₃ thin films using Surface Plasmon resonance	Monika Tomar	Radiation Physics and Chemistry	2018	1	Miranda House
Waveguide coupled surface plasmon resonance based Electro optic modulation in	Monika Tomar	Applied Surface Science	2018	3	Miranda House

SBN thin films					
Weak Antilocalization and Quantum Oscillations of Surface States in Topologically Nontrivial DyPdBi (110)Half Heusler alloy	Monika Tomar	Scientific Reports	2018	1	Miranda House
Demonstration of wide frequency bandwidth electro-optic response in SBN thin film waveguide	Monika Tomar	Optical Materials	2018	2	Miranda House
Effect of top metal contact on the ferroelectric photovoltaic response of BFO thin film capacitors	Monika Tomar	Vacuum	2018	3	Miranda House
Development of nanostructured Nickel oxide thin film matrix by rf sputtering technique for the realization of efficient bioelectrode	Monika Tomar	Vacuum	2018	2	Miranda House
Study of optical properties of Ce and Mn doped BiFeO ₃ thin films using SPR technique for magnetic field sensing	Monika Tomar	Vacuum	2018	4	Miranda House
Surface plasmon resonance aided analysis of Quantum wells for photonic device applications	Monika Tomar	Materials and Design	2018	1	Miranda House
Development of MEMS based Lamb Wave Acoustic Devices	Monika Tomar	IEEE Transactions on Electron	2018	0	Miranda House

		Devices			
Development of a microfluidic electrochemical biosensor: Prospect for point-of-care cholesterol monitoring	Monika Tomar	Sensors and Actuators B	2018	12	Miranda House
Highly sensitive Love wave acoustic biosensor for Uric Acid	Monika Tomar	Sensors and Actuator B	2018	9	Miranda House
Investigation of cobalt substituted M-type Barium ferrite synthesized via co-precipitation method for Radar absorbing material in Ku band (12-18 GHz)	Monika Tomar	Ceramics International	2018	14	Miranda House
Investigation of excess and deficiency of iron in BiFeO ₃	Monika Tomar	Materials Chemistry and Physics	2018	3	Miranda House
Tunable nanostructured columnar growth of SnO ₂ for efficient detection of CO gas	Monika Tomar	Nanotechnology	2018	4	Miranda House
Near room temperature bismuth and lithium co-substituted BaTiO ₃ relaxor ferroelectrics family	Monika Tomar	Journal of Alloys and Compounds	2018	5	Miranda House
Growth of KNN Thin Films for Non-Linear Optical Applications	Monika Tomar	Physica Status Solidi (a): Applications and Materials Science	2018	1	Miranda House
Growth of highly porous ZnO	Monika Tomar	Surface and Coatings	2018	4	Miranda House

nanostructures for carbon monoxide gas sensing		Technology			
Growth of highly porous ZnO nanostructures for carbon monoxide gas sensing	Monika Tomar	Surface and Coatings Technology	2018	4	Miranda House
Fabrication of surface acoustic wave based wireless NO ₂ gas sensor	Monika Tomar	Surface and Coatings Technology	2018	5	Miranda House
Giant enhancement in ferroelectric polarization under illumination	Monika Tomar	Materials Today Communications	2018	2	Miranda House
Characterization of Lead Zirconium Titanate thin films based multifunctional energy harvesters	Monika Tomar	Thin Solid Films	2018	1	Miranda House
Effect of non-magnetic Al ³⁺ doping on structural, optical, electrical, dielectric and magnetic properties of BiFeO ₃ ceramics	Monika Tomar	Ceramics International	2018	7	Miranda House

3.3.6 h-index of the Institutional Publications during the year (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Institutional affiliation	Number of citations excluding self-citations
Hardy inequalities on metric measure spaces	Michael Ruzhansky and Daulti Verma	Proceedings of Royal Society A	2018	112	Queen Mary University, London and Miranda House,	

					DU	
Viscum articulatum Burm. f. aqueous extract exerts antiproliferative effect and induces cell cycle arrest and apoptosis in leukemia cells	Sadhna Sharma	Journal of Ethnopharmac ology	2018	1	Miranda House	5
DosR proteins of Mycobacterium tuberculosis upregulate effector T cells and down regulate T regulatory cells in TB patients and their healthy contacts.	Sadhna Sharma	Microbial Pathogenesis	2019	1	Miranda House	1
-	Monika Tomar	-	2009- 2020-	28 (for all public ations as on 10-6- 2020)	Miranda House	2254 (for all publications as on 10-6- 2020 taken from Scopus)

3.3.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	33	82	8	17
Presented papers	44	28	7	9
Resource Persons	1	15	3	27

3.4 Extension Activities

3.4.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such

			activities
Cleanliness Drive <i>Swachhta Pakhwara</i>	NSS with MH Vatavaran	3	60+
Interactive session 'Role of Cleaning in Disaster Management'	NSS and Disaster Preparedness Team	4	45
Interactive session 'Encouraging Volunteerism'	NSS in collaboration with 'You Can' Foundation	4	50
'Delhi Youth Summit on Climate Change (DYSoC)	MH Vatavaran in collaboration with NGO Delhi Greens	6	30 from MH + 30 external participants
Workshop on Career Training	<i>Lakshita</i> the Enabling Society in collaboration with Enable India and Help the Blind Foundation	2	25+

3.4.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of students benefited
Conducted CONTECH-2018-19	Certificate of Appreciation	Homi Bhabha Institute	25
Reducing plastic waste	Plastic-Free College of the Year Award 2018	Indian Institute of Ecology and Environment (IIEE), and National Institute of Cleanliness Education and Research (NICER)	Entire college

3.4.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated such activities	Number of students participated in such activities
<i>Swachhta Pakhwada</i> from 1 August-15 August 2018.	NSS + MH Vatavaran	On Campus Cleanliness Awareness Drive	2	60+
Teaching-learning	NSS	Teaching assistance to children in EWS	2	30+

centre		locality Hakikat Park		
No poster Party Event	NSS	Poster eradicating campaign during university elections	2	60+
Collection Drive with NGO- UMEED	NSS	Collection Drive	2	30+
<i>Swachh Parisar</i>	NSS + MH Vatavaran	Cleanliness Drive	5	40+
Installation of Sanitary Napkin Vending Machine	NSS	Installation of Sanitary Napkin Vending Machine	2	10+
Plantation Drive- Planted 100 Saplings	NSS	Plantation Drive	3	35+
Celebrating Women	OXFAM	Let us Celebrate and Share Women's Narratives	3	100
Enabling the Visually Impaired	Lakshita: The Enabling Society along with Help the Blind Foundation	Skill Development and Mentoring Workshop	2	100
RPWD Act 2016	American India Foundation	Inter College Sensitization and Awareness workshop on the RPWD Act 2016	3	100
Projects: 1. Sadbhawna (orphanage home run by Meera Nair) 2. Saksham (Women Empowerment) 3. Sakhi (Visually challenged students) 4. Aagaz Project (NSS			

teaching –learning centre at Hakikat Park) 5.Swachh Parisar (Cleanliness Drive) 6.Umeed (Disaster Management)				
Art+Feminism Wikipedia Editathon	Wikipedia	Dalit Women Writers	2	30

3.5 Collaborations

3.5.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration
Visiting Research Fellow, Department of Pharmaceutical Chemistry, University of Debrecen, Hungary	Dr. Poonam (Chemistry)	Department of Science and Technology	21-29 May 2019
Visiting Research Fellow, Department of Pharmaceutical Chemistry, University of Debrecen, Hungary	Dr. Poonam (Chemistry)	Department of Science and Technology	11-18 June 2018
Research Fellow	Dr Binu Sundas (Geography)	National Open University Japan and Hiroshima University, Japan	4 years
Shloka Antakshari Pratiyogita with the help of Delhi Sanskrit Academy	Department of Sanskrit	Delhi Sanskrit Academy	7 November 2018
Indo-Dutch Collaborative Program with Sri Ram College of Commerce and the Utrecht Business School,	10 students each from MH and SRCC in Delhi 10 students from MH and 1 faculty member in Utrecht	Self-financing	28 January – 1 February 2019 in Delhi 3-7 June 2018 in Utrecht, the

Hogeschool Utrecht University of Applied Sciences			Netherlands
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3.5.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	Participant
Internship	Teaching	Rainbow Homes	26 May-26 June 2019	Sakshi Dixit
Internship	Teaching	Bal Seva Orphanage	1 June 2019-15 July 2019	Resham
Internship	Teaching	Umeed Foundation	22 July 2019- to date	Harshita
Internship	Teaching	Rainbow Homes	26 May 2019-26 June 2019	Jagriti
Internship	Content Writer	Edukeeda	20 June 2019-22 July 2019	Chhavi Malik
Internship	Participation in Workshop	Sambhavanna Institute	21 December-30 December 2018	Anju
Internship	Teaching Volunteer in Summer Camp	Rajiv Gandhi Foundation – Wonderroom	28 May 2018 to 15 June 2018	Stuti Dua
Internship	Teaching Volunteer in Summer Camp	Rajiv Gandhi Foundation – Wonderroom	28 th May'18 to 15 June'18	Bhavya Juneja
Internship	Teaching Volunteer in Summer Camp	Vidya Bhawan Society	01 June'2019 to 16 June'19	17 students
Project Collaboration	Thio-click approach for the synthesis	IIT-Delhi and Hansraj College,	24.11.2016to 23.11.2019	Dr. Poonam (Co-PI)

	of stable glycomimetics and chiral oxathiocrown ethers. [INT/HUN/P-11/2016] Department of Science and Technology	University of Delhi		
Project Collaboration	Development of Nanoantenna Sensors for Infrared Detection. [DST/TDT/DP-14/2018] Department of Science and Technology, Govt. of India	Hansraj College, University of Delhi	19.02.2019 to 18.02.2021	Dr. Poonam (Co-PI)

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU	Purpose of Activity	Number of students/teachers participated under MoUs
The Smart Company	26 September 2018	Popularisation of biodegradable garbage bags and sanitary napkin disposal bags	Entire college community
Nehru Arts and Science College, Coimbatore, Tamil Nadu	Ongoing since April 2018	Academic and cultural exchange programs aimed at promoting quality education and scholarly activities	Entire College
Oriel College, University of Oxford	16 January 2019	Providing summer courses at concessional fees	Entire College
Magdalene	16 January 2019	Providing summer courses at	Entire College

College, University of Cambridge		concessional fees	
CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES			
4.1 Physical Facilities			
4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year			
<i>Budget allocated for infrastructure augmentation</i>		<i>Budget utilized for infrastructure development</i>	
Non-Teaching Quarters 30000000		12000000	
Renovation of Auditorium 2000000		2000000	
Renovation of College Building 294750		294750	
4.1.2 Details of augmentation in infrastructure facilities during the year			
Facilities	Existing		Newly added
Campus area	15.11 acres		
Class rooms	74		5 in New Block (First Floor 3, Second Floor 2) 2 in Old Block (in place of Old Chemistry Lab)
Laboratories	24		4 (Physics 2, Maths Computer Lab 1, Comp. Sc. Computer Lab 1) 2 Chemistry labs relocated to New Block
Seminar Halls	1		
Classrooms with LCD facilities	74		
Classrooms with Wi-Fi/ LAN	The College Wi-Fi connection is available in most classrooms		
Seminar halls with ICT facilities	1		
Video Centre			
No. of important equipment purchased (≥ 10 lakh) during the current year.	1 Cell Imaging system-Leica DMi8 Microscope (19.21 Lakh) Cold Incubator Shaker- Model – ORBITEK® - LE Scigenics Biotech (Pvt.) Ltd. (6.789 Lakh) K Lyte 12 Potentiostat (2.16024 Lakh) Panasonic Camera (1.89200 Lakh)		
Value of the equipment purchased during the year (Rs. In Lakhs)	Rs 5110048		

Others			
4.2 Library as a Learning Resource			
4.2.1 Library is automated { Integrated Library Management System -ILMS }			
Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
LIBSYS	Fully	6.0	2004-2005

4.2.2 Library Services:						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	102541		365	1779585	102906	291119
Reference Books						
e-Books						
Journals	50				50	
e-Journals	DULS 43290; N-List 6000 E Journals*				43290	
Digital Database						
CD & Video						
Library automation						
Weeding (Hard & Soft)	2826				2826	57486
Others (specify)	280 seats, photocopying facility available in library; 1 computer lab for visually challenged; 1 computer room for browsing					

*Miranda House is a member of E journals subscribed by the University of Delhi and therefore has access to 43290 E-journals through Delhi University Library System (DULS). INFLIBNET N-List provides 97000 + e-books and 6000 e-journals for access to students and faculty members. E-resources available on American Centre Library, British Council Library and Delhi Library Network (DELNET) are also available to faculty and students.

4.3 IT Infrastructure									
4.3.1 Technology Upgradation (overall)									
	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	1625	Comp. Sc. 35 Web lab 10 DSKC project lab: 30	1625	5	DRC (I&II): 80 DRC (Lib): 30 DRC (Hostel): 16	Admin:19 Accounts: 8 Library:11	Computer Sc.: 35 Physics: 24 Maths: 24 Geog.:24 Zoology: 5	1 GBPS	111 Netbooks 1129 laptops

					Amba Dalmia Centre (Lib):10		Botany: 10		
Added	11						Chemistry :10		
Total	1636								

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

1 GBPS MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NA	NA

There is no e-content development facility in the College. Teachers who wish to develop e-content make use of the Guru Angad Dev Teaching-Learning Centre in SGTB Khalsa College across the street to develop e-content for various digital platforms.

4.3.4 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e – Content
Dr. Monika Tomar	Refresher Course in Disaster Management	Swayam ARPIT online course certification	30 June 2019
Dr. Monika Tomar	Overview of semiconductor materials, pn junction and its fabrication	e-PG-Pathshala (UGC Sponsored Project)	26 September 2017
Dr. Monika Tomar	Basics of BJT and JFET	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	MOS capacitors	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	MOSFET	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	MESFET	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	MODFET	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Charge transfer devices (CCD)	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	CMOS technology	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Volatile and non-volatile memories	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Tunnel diodes	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Impatt diode	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Transferred electron devices	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Optical absorption-solar cell and photodetectors	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Light emitting diodes and semiconductor lasers	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Physical vapour deposition process	e-PG-Pathshala	26 September 2017

Dr. Monika Tomar	Chemical vapour deposition process	e-PG-Pathshala (UGC Sponsored Project)	26 September 2017
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Dr. Monika Tomar	Photolithography	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	X-ray and e-beam Lithography	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Etching techniques	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Ion implantation	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Thermal Oxidation	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Diffusion	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	MEMS/NEMS fabrication	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Electro optic devices	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	SAW and integrated devices	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Cantilever	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Pressure sensor	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	E nose	e-PG-Pathshala	26 September 2017
Dr. Monika Tomar	Resonator	e-PG-Pathshala	26 September 2017
Dr Reema Bhatia	Sociology and Kinship	National Institute of Open Schools	24 July 2018
Dr Reema Bhatia	Sociology and its relation with other social sciences	National Institute of Open Schools	27 July 2018
Dr Reema Bhatia	Social Stratification	National Institute of Open Schools	28 August 2018
Dr Reema Bhatia	Society and Environment	National Institute of Open Schools	21 January 2019

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
29500000	24761569	2000000	890480

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities – laboratory, library, sports complex, computers, classrooms etc. (*maximum 500 words*) (information to be available in institutional Website, provide link)

The allocation and utilisation of the available financial resources are optimised for maintenance of the facilities through the committees constituted for this purpose. Every new student is introduced to all the facilities and oriented towards their proper utilisation through College and departmental orientation programmes. Proper use of laboratory equipment is explained through Bridge Courses and also prominently displayed as posters in the laboratories. The college library carries out orientation of newly admitted students in batches to explain how to use the available facilities and also ensure their upkeep.

The Building Committee of the College looks after additions and alterations in any part of the building. The College employs the services of a Site Engineer who is consulted when required for modification or repair work. Cleanliness of the classrooms, corridors, washrooms and other spaces is ensured by outsourcing to M/s Sulabh International, whose personnel augment the small number of regular sanitation staff of the college. A Supervisor appointed by Sulabh oversees the allotment of work for the sanitation staff. The College Caretaker is in overall charge. The app InfraCare can be used by any member of the College

community for registering a complaint for any infrastructural repair required. The Caretaker then deputs the electrician, plumber or carpenter as per requirement. A manual entry may also be made in the Complaint Register kept with the Caretaker regarding repair work.

The formal structure for maintenance of facilities is as follows:

- Caretaker for supervision of security and sanitation staff, maintenance of essential facilities and assets in the college and staff quarters.
- Site Engineer, who oversees construction, repair and renovation projects entailing civil, plumbing, electrical and interior works following due procedures, in consultation with college architect or consultants.
- Full time electrician for fixing electrical line and panel faults, maintenance air conditioning, functioning electrical equipment, audio-visual systems for events/performances; overall state of electrical equipment, communication lines etc.
- Part time plumber ensuring adequate supply of water, functioning of bore wells, pumping of water, regular cleaning of storm water and sewage drains; adequacy of facilities in washrooms; underground/overhead tank and industrial RO maintenance.
- Sanitation and security is outsourced;

The laboratory staff ensures that laboratory equipment is in good condition and functional at all times. Instruments and other equipment requiring periodic calibration are recalibrated in-house where possible using scientific protocols. When College staff cannot deal with any error arising, technical help is sought. If the equipment is declared unserviceable, it is written off following due process and then disposed of with the permission of the Governing Body. Due diligence is exercised, especially for disposal of e-Waste, where the report of the DU Radiological Officer is sought before proceeding. An AMC is taken for machines and equipment that require periodic maintenance at high frequency. Apart from sophisticated scientific research instruments, this list includes high end reprographic machines, the industrial RO water plant, air conditioners, EPBAX system, CCTV network, Wi-Fi network, etc. Laptops issued to students and staff are serviced at least once a year or on request.

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	College Academic Awards	32	2500/- per student
Financial support from other sources			
National	NIVH Meritorious Scholarship Dehradun	4	8000/- per student
	World Brotherhood Organisation Scholarship	8	1,24,623/-
	Help the Blind Foundation	33	3,40,000/-
	INSPIRE Scholarship	256	60,000/- per student
	Inlaks Shivdasani Scholarship	2	8000/-
International	Bishwa Bangla Masters Scholarship for SOAS London	1	34,00,000/-

	ENS University Scholarship	1	
	Eiffel Excellence Scholarship	1	
	Charpak AME Scholarship	1	

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Bridge Course Laboratory Instrumentation: Principle, Usage and Applications instruments and techniques for B.Sc. (H) Zoology Semester I Students	8-14 August 2018	35	Department of Zoology MH and DSKC
Bridge Course Laboratory Safety & Handling of Equipment for B.Sc. (H) Chemistry Semester I students	2-3 August 2018	60	Department of Chemistry MH and DSKC
Bridge Course on Basic Laboratory Techniques for B.Sc. (Honours) Botany I Year Students	27-29 August 2018	30	Department of Botany MH and DSKC, Miranda House
Bridge Course on Basic Laboratory Techniques for B.Sc. Life Science I Year students	6-7 September 2018	31	Department of Botany MH and DSKC

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year*

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed

* No structured assistance is provided to students taking competitive examinations. UG students preparing for CAT and Civil Services enroll in private coaching institutions. The same is true for Science students preparing for JAM which gives them admission to IITs and NITs for M.Sc. The data on those taking GRE/TOEFL/GMAT is not available. Teaching of PG courses is at the University level and very few PG students seek help of the college as they prepare for NET. During a survey to determine how best the College could help students taking these examinations, very few students expressed interest, largely because of the proliferation of coaching centres in the university area that entice students with claims of high success rate. However, some faculty members deliver lectures at the NET coaching camps organized by the DU departments for EWS students who are unable to attend expensive private coaching classes. The

faculty contributes to the education and career advancement of students in a variety of ways. Students are always encouraged to discuss their plans related to higher study including research and their choice of career. They are encouraged and guided to appear for the entrance exams for post-graduate studies in prestigious institutions and universities in and outside the country. The help rendered includes discussions on study material, books, approaches to problems and ideas for research proposals. The continuous interest taken by faculty in the academic and career choices of students which include teaching and research, the administrative services, financial institutions and services, publishing, the mass media, legal services etc. contributes to an abiding and enriching relationship of the students with the faculty and the institution.

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance Redressal
7	7	1.5 months

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus			Off Campus*		
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
DE Shaw & Co.	25	1			
HDFC Bank	30	1			
BRICS Chamber of Commerce & Industry	25	1			
Hungerbox	25	2			
SBI	45	1			
Andhra Bank	45	1			
Railway Hospital	25	1			
ICICI Bank	25	7			
Nurtr	25	2			
Muse Management	25	1			
Bulbul Shop Application, Delhi	25	1			
Parliament Office	25	1			
MSL India Public Relations Team	25	1			
Faze Management Mumbai	25	1			
Oberoi Group of Hotels	25	2			
Shalom Public School	15	1			
Thornson Digitals (India Today Group)	20	8			
ZS Associates	20	1			
Aakash Institute	20	4			
Canara Bank	20	1			
Gramin Bank of Haryana	25	1			

University of Delhi		1		
Quint	30	1		
Government of Rajasthan	30	1		
The Math Company	10	1		

*Information about Off-Campus Placements is not available

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2019	3	BA (H) Economics	Economics	ISI Kolkata; IIM Calcutta; IIM Lucknow	MA Stats, MBA
2019	15	BA (H) Hindi	Hindi	DU; Jamia Millia Islamia, JNU, IIMC	MA Hindi, Mass Com
2019	45	BA (H) Political Science	Political Science	JNU, DU, Jamia Millia Islamia	MA, LLB, MA, MBA
2019	27	BA (H) Sociology	Sociology	JNU (8), DU (8) TISS (1), Christ College (1), Leeds University (1) University of Sussex (1), National Institute of Criminology and Forensic Science (1) Faculty of Law (2), South Asian University (2), International Institute of Population Studies (1), Lucknow University (1)	MA
2019	11	BA (H) Geography	Geography	Delhi School of Economics (6), JNU (1), International Institute of Population Studies (1), The Energy and Resources Institute (1), VMO University, Kota (1), National University of Singapore (1)	MA Geography, MA Population Studies, MSc Geoinformatics MA Public Administration, MSc Applied Geo Information Systems
2019	9	B.Sc. Physical	Computer Science	MDU, Law Faculty DU, IGNOU, Maths Dept DU (2), Daulat Ram College, DU, Sardar Patel Institute	BEd, LLB, MSc Maths, , MA Pol.Sc.,

		Sciences		of Technology, Bombay University, LP University	MCA, MSc Physics
2019	16	B.Sc.(H) Botany	Botany	University of Delhi, JNU, Punjab University, Ferguson College, Pune, Amity University, YMCA; Jammu University; GSSIPU; Galgotias University	PG
2019	39	B.Sc. (H) Chemistry	Chemistry	DU (15); Rajasthan Univ. (1); BHU (1); Bundelkhand Univ. (1); IITs (12: Mandi 5, Roorkee 2, Bombay 1, Guwahati 1, Hyderabad 1, Indore 1, Madras 1); TIFR Mumbai (1); IISc Bangalore (1); NIT Trichy (1); Law Faculty DU (1); DU MOR (1) IGNOU (1); FRI Dehradun (1); GKPSM College (1); TERI (1)	MSc Chem, MOR, Integrated PhD, LLB, MA Socio, MSc Cellulose & Paper, Dip.El.Ed.
2019	20	B.Sc.(H) Mathematics	Mathematics	University of Delhi, IIT Bombay, IIT Kharagpur, IIM Trichy, IIM Kozhikode, Faculty of Law, University of Delhi, Christ (Deemed) University, Gokhale Institute of Politics and Economics, Pune	M.Sc. Mathematics and OR, M.Sc. Maths, M.Sc. Maths, MBA, MBA, LL.B, M.Sc. Data Science, M.Sc. Economics
2019	32	B.Sc. (H) Physics	Physics	Cambridge Univ. (1); ETH Zurich (1); Univ. of Amsterdam (1); Univ. of Bonn (1); DU Physics (10); JNU Physics (5); JNU Env. Sc. (1); Punjab Univ. (2); IITs (8); DTU (2);	MSc Physics, MSc Environment, MSc Physics and Astronomy, MAST Applied Mathematics, MA English
2019	14	B.Sc.(H) Zoology	Zoology	DU, WII Dehradun, Jamia Millia Islamia, MDU, GNDU, IIT Bombay, TU, Punjab University, Doon University	MSc
2019	17	B.El.Ed	Elementary Education	DU PG Depts.(3); TISS Guwahati (1); IP Univ.(4); Ambedkar	MA Ecology & Environ, MSc

				Univ.(1); CIE DU (1); Subharti Univ. (1); IGNOU (2); Vardhaman Mahavir Open Univ.(1); Kota Univ. (1); BHU (1), Jamia Millia (1)	Maths, MA Law, MA Hindi, MA Gender Studies, MA Philo., MA Pol Sc., MA Education, MEd

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected/qualifying	Registration number/roll number for the exam
NET	6	Not available
SET		
SLET		
GATE		
GMAT		
CAT	5	Not available
GRE	4	Not available
TOEFL	11	Not available
Civil Services		
State Government Services: UP Judicial Service	1	Not available
JAM	27	Not available

5.2.4. Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Participants
Delhi University Inter College Taekwondo Championship	University	MH Taekwondo Team (5 gold and 2 silver) competed with teams from different colleges
Delhi University Inter College Netball Championship	University	MH Netball Team competed with teams from different colleges and won the Championship
Delhi University Inter College Tennis Championship	University	MH Tennis Team competed with teams from different colleges and won the Championship
Tempest the Inter-College	Higher Education institutions in Delhi NCR	More than MH 200 students took part in various cultural activities, winning many

Fest		prizes
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5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/International	Sports	Cultural	Student ID number	Name of the Student
2018	Archery Recurve	International	United Asian Games Association		Enrolment no. 16MIRHBSPH 000093	Tanya Khullar
2018	Athletic Grant in Aid	International	South Eastern Louisiana University		MH-69/2015	Himani Mor
2018	Asian Netball Championships	International	Singapore Sports Hub, Singapore		16MIRHBAPR 000108	Ruchi

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Each student of Miranda House is a member of the Miranda House Students' Union (MHSU). The Principal of the College is the patron of the Students' Union. MHSU is affiliated to the Delhi University Students' Union, (DUSU). It acts as an umbrella body over Departmental Societies, six Cultural Societies and other Clubs as well as the MH Sports Organization, the MH units of the National Cadet Corps and National Service Scheme. Neither the Students' Union nor any society arranges any programme/ meeting which has any affiliation with any political party. All students annually participate in the election of office-bearers. The Constitution of the Students' Union and Societies is accessible on the college website.

The extended Students Executive, comprising students' representatives from all departmental, co-curricular and extracurricular societies in Miranda House, is in place for 2018-2019. Elections for the posts of President, Vice-President and Central Councillors will be held as per the schedule declared by the University for the elections to DUSU. The highlight of the Union's activities is Tempest, the annual festival of Miranda House, much awaited not just by Miranda House but by the entire University.

In addition to the Departmental Societies, the current Societies and Clubs in MH are: Debating Society Anukriti – the Hindi Dramatics Society, Ariels – the English Dramatics Society Adwitiya – the Fine Arts Society, MH Vatavaran – the Environment Society, Indian and Western Music Society, Indian and Western Dance Society, Spic Macay, Jigyasa – the Quiz Society, Gandhi Study Circle, TULA – the Consumer Awareness Club, Vivekananda Society, Film Club, Snapshots – the Photography Society, Enactus – Students in Free Enterprise.

According to a decision taken by the Staff Council in December 2018, three student members are elected to the Internal Complaints Committee as per Ordinance XV-D, leading to greater involvement of students and a more transparent and democratic functioning.

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

The Miranda House Alumnae Association (MHAA) is a registered body with its office located in the college. In addition to fostering friendship and maintaining contact amongst old students; and between them

and the college; it aims to contribute towards the overall development of MH as a premier women's college in a variety of ways. Its affairs are managed by an Executive Committee which is an elected body of 11 members, constituted annually in accordance with the rules of the association. The Principal, Vice Principal as well as President and Secretary of Students Union are ex officio members. There is provision to nominate one or more patrons and co-opted members. It is ensured that the executives represent all generations of alumnae. The Membership is open to all former students of the college. Former and current teachers who have not been students of the college can become Associate Members without voting rights. In the last three years, the college has started a drive to enrol the graduating class into the association. MHAA is committed to fostering amongst the young women students at their alma mater the progressive, secular and liberal values enshrined in the constitution and work towards the goal of gender equality and empowerment of women.

5.3.2 No. of registered enrolled Alumni: 3550

5.3.3 Alumni contribution during the year (in Rupees) : Rs. 4,39,550

5.3.4 Meetings/activities organized by Alumni Association :

Alumnae are invited to deliver lectures as well as participate in panel discussion to share their experiences post-Miranda. Such interactions inspire and motivate current Mirandians.

MHAA Excellence and Achievement Awards: These awards honour the distinguished alumnae and are given at a special function organized at the college. Each award carries a citation and a silver plaque. Laureates give an acceptance speech to a packed hall of current students. The programme is extremely inspirational as the awardees in sharing their life experiences model for the students what it takes to craft a

MHAA Excellence Scholarships and Awards for students: A corpus was created by auction of sketches donated by the famous artist, alumna Anjolie Ela Menon and bought by another alumna, Radhika Roy of NDTV. Two scholarships are awarded to II Year students of Humanities and Science, respectively from this corpus. Students with family income not exceeding Rs. 1.5 lakh per annum are eligible to apply. Merit is based on cumulative marks in the first two semesters. Additionally, two Awards of Excellence of Rs. 6000 each, instituted by alumna Angeli Qwatra, are given on basis of merit to Final Year students drawn from the Humanities and Science streams, respectively. These awards are given away to the recipients on the College Founder's Day.

Titan Invitational Debate: MH was invited to participate in the prestigious 6th Clash of The Titans Invitational Debate, as in past years, on the motion 'Freedom of Speech is a Luxury India Cannot Afford' on 17 November 2018. Miranda House fielded Dr. Radha Kumar, Feminist Academic and Author and Ms. Swati Bhattacharya, Creative Head at FCB Ulka. It was a proud moment when Dr. Radha Kumar was announced the Best Debater.

Angeli Qwatra Awards of Excellence: An alumna, Dr. Angeli Qwatra has instituted Awards of Excellence, one each in Science and Humanities. Awards of Rs 5000/- each were given away in 2018-19.

Other annual awards instituted by alumnae: Ved Jolly Resilience Awards for Motivated Scholars, BS Jolly Award for Community Engagement and Savitri Devi Jolly Award (by Dr Pratibha Jolly); Mrs Vidya and Mr Basheshar Nath Taneja Scholarship (by Dr Poonam Taneja); Zakia Pathak Award (by Ms Vandna Khare and Dr Atul Khare); Uma Shankar Excellence Award (by Ms Uma Shankar).

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The real touchstone of excellence in Miranda House is its emphasis on democratic decision-making. It follows decentralisation and participatory management in all its activities through a well-established 'committee system' which includes the Academic Committee, the Workload Committee, the IQAC and the Staff Council among others as the major stakeholders. With the committees in place, the Governing Body at the helm and decentralised decision making at all levels, viz. departmental level, student level, curricular and extracurricular society level, every member of the community feels empowered. In 2018-2019 concerted efforts were made to bring about an even more robust committee system by refuelling teacher welfare committees with new energy.

In terms of decentralisation, all committees have evolved over time and go through a process of elections and nominations. A gender sensitisation committee has also been initiated. Student members from every class are thrown up by a process of elections where each class elects their own gender sensitisation representatives, who in turn, become the Gender Sensitisation Committee and appoint members of Internal Complaints Committee mandated at all institutions and workplaces under the Prevention of Sexual Harassment Act.

An empowered committee for finances works to aid and support the Bursar and Accounts Office in financial matters. The preparation of roster which included inputs from the liaison officers are now looked at by a Roster Committee which includes nodal officers, PWDs etc. The relevant committee is now central to taking all decisions. For instance, the rooms and space allocation for this year was also done through a committee, the newly constituted Space Allocation Committee.

In every committee, students are encouraged by way of representation to be part of the decision making processes. Both the college placement cell and various societies for student activities are working through a decentralised mode. Enactus, the forum for students' enterprise, is entirely a student-centric and student-led process.

The college has a culture of participative functioning sewn into its fabric. Irrespective of the original membership of a committee, any other affected or concerned member is co-opted as needed to jointly reflect on various matters of importance. The Hostel Welfare Committee thrives on participative ethos. Hostel rules and needs are evolved by a mechanism that includes the students, teachers and staff. Ideas and people from young and dynamic movements are routinely encouraged to flow in.

This year the college has experimented by moving away from traditional seating arrangements in some places. A discussion room with small round tables has been set up for deliberation and communication across departments, societies, teachers, students, unions and employees. The idea has been to make decision-making accessible to all stakeholders and to encourage fresh perspectives of looking at the world. There is, in fact, a very conscious effort being made wherein the Principal makes no decisions in isolation. Not only is the management made more approachable by altering seating arrangements, but decision-making pivots on a certain 'collective wisdom' emerging from decentralised participation.

6.1.2 Does the institution have a Management Information System (MIS)?

Yes/No/Partial:

Digital Infrastructure: The college has developed a very strong hardware and software backbone. The entire campus is Wi-Fi enabled. All faculty members were issued Netbooks. All classrooms are multimedia enabled. Pupil-Computer ratio is 2:1. The library provides easy access to digital knowledge resources through DULS. The college has invested resources in development of custom designed software packages for Enterprise Resource Planning (ERP). These are periodically upgraded to meet new requirements. For example, administrative staff provides the faculty timely information on student admissions, demographic profile, course options exercised by students, distribution of students across courses and sections, examinations to take, and so on. It manages attendance and Internal Assessment (IA) records. There is seamless integration and linking of all processes; this entails management of student data from the start point defined by online admission application to the end point defined by examination results and issue of certificates and transcripts.

• **Google Apps for Education:** MH became the first college at DU to sign up for Google Apps for education, when it rolled out Apps for education (drive, docs, calendar, forms, videos, etc.) at its own domain (*mirandahouse.ac.in*) in collaboration with Google Ltd. The entire faculty and administration switched to their official email accounts created on the domain *mirandahouse.ac.in* using Google Apps for Education.

– Gradually but steadily, the college community has started using apps like Google Calendar, Google drive and Google Docs to effectively organize the teaching-learning process.

– Google forms are frequently used by Societies and Student Groups to collect survey data, student feedback and information for events.

– The college pioneered the live streaming of some of its important events like Founder’s Day and International Women’s Day celebrations through Google Hangout on its official YouTube channel *mirandahousedu*.

– Departments like Economics and Physics used the Google Apps platform to develop in-house departmental websites on the domain *mirandahouse.ac.in*.

– The college is establishing a rich digital resource library online using Google videos, video recordings of various lecture series, seminars, panel discussions, etc. held in the college from time to time. A video on a Green Chemistry lab session was filmed in the Chemistry laboratory by Impartus Innovations as an initiative towards building a digital library of videos on laboratory methodology.

• **ICT Use for Training Programmes:** The college has organized several training programmes for faculty members. The in-house workshops are supplemented by those held at ILL, CPDHE and other institutions. Also, in March 2017, IQAC along with DSKC conducted a three day Workshop, MSWord and internet usage for Laboratory Staff. The resource personnel were provided by Weekendr Innovative Labs Pvt Ltd.

• **Developing IT Enabled Active Learning Resources:** Several faculty members are actively engaged in writing course materials and creating e-Resources for DU.

• **Mobile Apps in Education:** MH understands Mobile Technologies are the future of ICT and is fast integrating these in education.

– *Mobile! MyLab, Anytime Anywhere* was the title of one of the DU Innovation Projects undertaken by a multidisciplinary team of students and faculty from Chemistry, Computer Science, Botany and Physics Departments. The project involved developing Apps for use of the Mobile as a versatile lab, leveraging onboard sensors for measurements in real-time.

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (within 100 words each):

Curriculum Development: Several faculty members are involved in workshops and seminars conducted by the University of Delhi, NCERT, ILL, CIE etc. for discussions and feedback on curriculum development and modification. Some faculty members of Departments are members of the Undergraduate and Postgraduate Committee of Courses of the parent Departments in the University and regularly contribute to discussions and interactions held to improve and augment the curriculum. The feedback from such exercises is then utilized to improve classroom teaching in the College.

Teaching and Learning: Departments draw up their workloads as per teaching requirements. After approval by the Workload Committee, necessary recruitment of teachers in accordance with the Roster is undertaken before the academic session begins. The specialization of teachers influences the topics assigned for teaching. The Academic Committee monitors this process. The Timetable Committee prepares and allocates teaching periods and classrooms to every department. The

Teachers-in-Charge distribute the lecture and tutorial/practical periods among the department faculty through a consultative process. Individual timetables are uploaded on the college website for the students. The Room Timetable is also displayed outside each classroom.

Examination and Evaluation: In addition to the University end-of-semester examinations as per schedule, the progress of students is monitored through continuous evaluation in the form of assignments, tests, presentations and other innovative instruments to gauge students' course-specific achievements. Under-performing students are given repeated chances to improve. The Department Moderation Committee scrutinizes the IA scores. These are publicly displayed for students. The College Moderation Committee then takes charge and after a final scrutiny uploads these marks for inclusion in the summative assessment on the university website. If at any stage an error is identified, a formal mechanism of grievance redressal is set in motion.

Research and Development: MH encourages research activities by providing the necessary infrastructure to faculty and students. Science Departments conduct Summer Projects under the DS Kothari Central Inter-disciplinary Research Facility. Faculty members from Physics, Zoology and Chemistry Departments have been formally recognised as PhD supervisors. Open Source Drug Discovery Centre (OSDD) is working on Tuberculosis. Seven students have been awarded Tata CSIROSDDD Fellowships of Rs.5000 per month for three months. MH is a centre for QuarkNet, a High Energy Physics Education Outreach Project of Fermilab, University of Chicago, a global network of physicists, teachers and students dedicated to cosmic ray detection.

Library, ICT and Physical Infrastructure / Instrumentation: Offices of administration, accounts, library, laboratories, ICT services, hostel, and all miscellaneous services are ergonomically designed work spaces with contemporary facilities. The college has invested in development of custom designed software packages for Enterprise Resource Planning (ERP). Administrative staff manages attendance and Internal Assessment (IA) records. Student data from online admission application to examination results and issue of certificates and transcripts is seamlessly integrated. The college uses web-linked software modules for academic services such as Attendance and Timetables. The faculty can log in to upload the data themselves with the assistance of staff, if required. The library has Web OPAC.

Human Resource Management: The College endeavours to deploy the latest technologies for effective management. Members of the staff are always ready to learn new skills. Short duration skill development courses are organized by the administration to provide on-the-job training. Maintenance and upgradation of computers and introduction of new software packages are regular features. Staff members are trained by rotation and able to keep pace with the multifaceted activities of the college. The laboratory staff has also been trained in-house to high calibre making them fit for the large number of research projects and education outreach programmes organized throughout the year.

Industry Interaction / Collaboration: NGOs and autonomous institutions: Maitri, Green Bandhu, IPCA, Jan Gyanoday, Sulabh International, National Institute of Urban Affairs (NIUA), Teach for India, Shriram Institute for Industrial Research, Regional Centres of Expertise (RCE) UN University, the Smart Company and others regularly interact with Miranda House students and faculty. Some have formal MoUs with MH and others have an informal but regular relationship.

Admission of Students: The admission process at MH is based on the data provided by the DU Centralized Pre-Admission process. Each department scrutinizes this data to determine the cut-off. To avoid over-admission, the college begins with a high cut-off and then lowers it cautiously. MH cut-offs are consistently amongst the highest in DU across disciplines. In some courses, when over-admission occurs despite a very high cut-off, greater care is exercised in the next academic year. Courses where seats on offer take longer to fill, such as certain language courses, efforts are made to reach potential candidates through counselling and concession.

6.2.2: Implementation of e-governance in areas of operations:

- **Planning and Development:** The timetables in terms of course, class, faculty and rooms are available on the college website. Information about all college events is also put on the website. Digital display boards put up at strategic locations in the college give information about upcoming and recent events.
- **Administration:** Student records are computerised. Attendance for classes is taken through the app AcadMe and uploaded on a daily basis. Booking of spaces such as the auditorium and the seminar room is done through an app as well. A third app is in place to report damaged or non-functional infrastructure items which need repair or replacement.
- **Finance and Accounts:** Payments are received and made by NEFT for fees, cash prizes etc. All accounts are computerised and updated whenever required.
- **Student Admission and Support:** Students fill the online common admission form made available by DU. The printouts are given to the candidates, which are then approved and verified by the departments in case the candidate is eligible for admission. The admitted students then report to the Digital Resource Centre (DRC) for data entry and payment of fees through the DU portal. After the admission process is over, student name lists are given to each teacher as per requirement. Students can keep track of their own attendance since attendance is marked through the app every day.
- **Examination:** Information about examination dates and schedules is available on the University of Delhi website. The college website provides links to the relevant sites. Students also access marksheets online when the results are announced at the college Digital Resource Centre.

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support Rs.
2019	Dr. Poonam (Chemistry)	Three-day International workshop on Chemistry and Chemical Biology of Carbohydrates, Nucleic acids and Antibiotics (Indo-Hungarian Joint Research Project)	NA	1,42,000
2018	Dr. Poonam (Chemistry)	India International Science Festival, Indira Gandhi Pratishthan, Lucknow	NA	8, 800

2018	Dr. Jyoti Arora (Zoology)	Travel Allowance to attend National Science Teacher's Congress organized during 4th India International Science Festival (IISF) by Ministry of Science and Technology and Ministry of Earth Sciences, Government of India at Indira Gandhi Pratishthan, Lucknow from 06 to 07	NA	7419
		October 2018		
2018	Dr. Jyoti Arora (Zoology)	Travel allowance to attend workshop on <i>Women in Science Journalism</i> Level I organized by British Council, IISER Pune and India Biosciences at NCBS, Bangalore from 12-15 November, 2018.	NA	26,678
2019	Dr. Jyoti Arora (Zoology)	Travel Allowance to attend a workshop on Women in Science Journalism Level II organized by British Council, IISER Pune and IndiaBiosciences at IISER Pune from 7-8 January, 2019.	NA	13366
2019	Dr. Monika Tomar (Physics)	10 th International Conference on Materials for Advanced Technologies (ICMAT) 2019	NA	99,000

6.3.2 Number of professional development / administrative training programmes organized by the College for teaching and non-teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2018	-	Computer Training Programme for Library Staff	05.12.2018 to 19.12.2018	-	3
2019	-	Computer Training Programme for Library Staff	03.01.2019 to 17.01.2019	-	3

2018	-	Workshop “MS Office and Internet usage”	05.03.2018 to 07.03.2018	-	31
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6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	No. of teachers attending	Date and Duration (from – to)
Orientation course at Jamia Millia Islamia	1	17.07.2018-13.08.2018
Refresher course at Jawaharlal Nehru University	1	23.07.2018-17.08.2018
Refresher course at Jawaharlal Nehru University	1	27.08.2018-20.09.2018
Refresher course at Jawaharlal Nehru University	1	26.09.2018-17.10.2018
Refresher course at Jawaharlal Nehru University	1	08.10.2018-02.11.2018
Workshop TLC Ramanujan College	1	22.10.2018
Refresher course for Environmental Studies at Jawaharlal Nehru University	2	22.11.2018-17.12.2018
Faculty Development Program at Hansraj College	3	14.11.2018-27.11.2018
Faculty Development Program at Laxmibai College	1	20.11.2018-20.11.2018
Orientation course at Jamia Millia Islamia	1	26.11.2018-22.12.2018
Faculty Development Program at Rajdhani College	1	28.11.2018-04.12.2018
Faculty Development Program at Motilal Nehru College	1	28.11.2018-04.12.2018
Orientation Course at CPDHE, DU	2	27.11.2018-24.12.2018
Faculty Development Program at SGTB Khalsa College	2	26.11.2018-07.12.2018
Faculty Development Program at Shyamlal College	1	10.12.2018-06.12.2018
Faculty Development Program at Hansraj College	8	10.12.2018-23.12.2018
Faculty Development Program at Khalsa College	2	08.12.2018-20.12.2018
Faculty Development Program at Shyamlal College	5	10.12.2018-23.12.2018
Faculty Development Program at Hansraj College	7	15.12.2018-28.12.2018
Faculty Development Program at Deshbandhu College	1	13.12.2018-27.12.2018
Short-term course on research methodology at CPDHE, DU	1	18.12.2018-24.12.2018
Short term course, at Academic Staff College, Punjab university, Chandigarh.	1	18.12.2018-24.12.2018

Short term course on Gender Sensitisation, Punjab University, Chandigarh.	1	18.12.2018-24.12.2018
Short term course on Nation building at CPDHE, DU	3	18.12.2018-24.12.2018
Faculty Development Program at Jamia Millia Islamia	2	24.12.2018-03.12.2018
Refresher course at Jawaharlal Nehru University	1	31.12.2019-25.01.2019
Refresher course at CPDHE, DU	1	15.01.2019-05.02.2019
Orientation Course at Patna University	1	22.01.2019-18.02.2019
Refresher course at CPDHE, DU	1	15.01.2019-05.02.2019
Short term course at Jamia Millia Islamia	1	04.02.2019-01.02.2019
Refresher course at Jawaharlal Nehru University	2	04.02.2019-01.03.2019
Workshop at Jamia Millia Islamia	1	25.02.2019-02.03.2019
Faculty Development Program at Hansraj College	3	22.04.2019-04.05.2019
Refresher course at CPDHE, DU	1	31.05.2019-14.06.2019
Faculty Development Program at Hansraj College	1	20.06.2019-26.06.2019
Refresher course at Jawaharlal Nehru University	3	15.07.2019-26.07.2019
Refresher course at Himachal University	1	22.07.2019-03.08.2019
Orientation Course at CPDHI, DU	1	12.07.2019-18.07.2019
Swyam ARPIT Online Course in Biotechnology	1	1.11.2018 to 28.2.2019
Swyam ARPIT Online Course in Biotechnology	1	January 2019
2 days FDP cum workshop of TROP ICSU Project on Climate Across the Curriculum: Resources For Integrating Climate Topics in Discipline-Specific Teaching at Sri Venkateswara College.	2	13-14 October 2018

6.3.4 Faculty and Staff recruitment (no. for permanent/fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
132	64	73	35

6.3.5 Welfare schemes for

Teaching	Non-teaching	Students
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Teachers' Welfare Association, Residents Welfare Association, DUTA	Karamchari Union Assurance premium Rs 5 per employee	Financial assistance to Arts students from College, DU,
Miranda House Staff Association	SC/ST Association	Financial assistance to Arts and Science students from College, DU, Government agencies including DST INSPIRE
Children's Education	DU Backward Caste Association	Financial assistance to PwD students from government agencies and fellowships within the College
LTC/HTC	College Library Employee Association	Group personal accident insurance-Premium of Rs.100 per student
Leave Encashment	E.B. Fund Program, premium of Rs. 20 per employee	
Medical Reimbursement	DUCLSA	
	Non-Academic Welfare Program, premium of Rs. 200 per employee	

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

(with in 100 words each)

For purposes of auditing all financial rules, regulations and guidelines of the government of India are strictly followed. The auditing is done through the office of the comptroller and auditor general of India (CAG). The college is in compliance with all subsequent amendments to the rules. In order to ensure utmost transparency in matters of transactions, all payments are made through the public finance management system (PFMS).

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non-government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
Not Applicable		

6.4.2 Total corpus fund generated Not Applicable

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	Academic Committee
Administrative	No	NA	Yes	Core Administrative Team

6.5.2 Activities and support from the Parent – Teacher Association (at least three)

NA

6.5.3 Development programmes for support staff (at least three)

<ul style="list-style-type: none"> • Computer Training Programme for Library Staff 05.12.2018 to 19.12.2018; • Computer Training Programme for Library Staff 03.01.2019 to 17.01.2019; • Workshop “MS Office and Internet usage” for Office Staff 05.03.2018 to 07.03.2018 • Completion of non-teaching staff residential units under construction with required fittings etc. 																				
6.5.4 Post Accreditation initiative(s) (mention at least three): <ul style="list-style-type: none"> • Completing the work on the New Teaching Block on a war footing so that it could be functional from the beginning of the new academic session; • Making the New Teaching Block fit to be used by putting in place fixtures and furniture; • Organising the space for Interdisciplinary Research in the space vacated by the Physics Department on the second floor of the Old Science Block. 																				
6.5.5 a. Submission of Data for AISHE portal : (Yes /No) b. Participation in NIRF : (Yes /No) c. ISO Certification : (Yes /No) d. NBA or any other* quality audit : (Yes /No) *Annual report submission under DBT Star College Scheme																				
6.5.6 Number of Quality Initiatives undertaken during the year																				
<table border="1"> <thead> <tr> <th>Year</th> <th>Name of quality initiative by IQAC</th> <th>Date of conducting activity</th> <th>Duration (from---- to-- ----)</th> <th>Number of participants</th> </tr> </thead> <tbody> <tr> <td>2018</td> <td>Computer Training Programme for Library Staff</td> <td>05.12.2018 to 19.12.2018</td> <td>05.12.2018 to 19.12.2018</td> <td>3</td> </tr> <tr> <td>2019</td> <td>Computer Training Programme for Library Staff</td> <td>03.01.2019 to 17.01.2019</td> <td>03.01.2019 to 17.01.2019</td> <td>3</td> </tr> <tr> <td>2018</td> <td>Workshop “MS Office and Internet usage”</td> <td>05.03.2018 to 07.03.2018</td> <td>05.03.2018 to 07.03.2018</td> <td>31</td> </tr> </tbody> </table>	Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from---- to-- ----)	Number of participants	2018	Computer Training Programme for Library Staff	05.12.2018 to 19.12.2018	05.12.2018 to 19.12.2018	3	2019	Computer Training Programme for Library Staff	03.01.2019 to 17.01.2019	03.01.2019 to 17.01.2019	3	2018	Workshop “MS Office and Internet usage”	05.03.2018 to 07.03.2018	05.03.2018 to 07.03.2018	31
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES			
7.1 - Institutional Values and Social Responsibilities			
7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)			
Title of the programme	Period (from-to)	Participants	
		Female	Male
Busting Body Image Myths	28 September 2018	35+	
The Festival of Voices	5 October 2018	40+	
Gender and Caste- Issues of Marginalization	8 October 2018	50+	10
Discussion on #metoo Movement	26 October 2018	40+	
Women’s Wall	11 January 2019	50+	
Creating Rural Teams	6 February 2019	25+	
Participation in <i>One Billion Rising Day</i>	10 February 2019	200+	10
My Stranger Story	16 February 2019	30+	
Screening of Oscar winning documentary <i>Period: End of Sentence</i>	8 March 2019	40+	
Gender Equality Mela	29-30 March 2019	100+	20

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

Environmental consciousness and awareness regarding sustainable use of resources is spread in the Miranda House community by the student volunteers and teachers associated with the Environment Society, *MH Vatavaran*.

Towards a Zero-waste College Campus: A Solid Waste Management System has been set up through several initiatives and innovation projects. MH Vatavaran volunteers conduct anti-litter drives in the College and its surroundings during events such as *Tempest*, the Annual College Festival and also just before the DU Students' Union elections which sets off large scale littering. The collected waste paper is recycled at the College plant. The College has set up garbage disposal structures just outside the front and back gates to help pedestrians who cross the gates to dispose of garbage neatly.

Paper Recycling Plant (2003 – onwards): After successful completion of the four-year paper recycling Project set up by a grant from the Department of Science and Technology under its Women and Science Division, the College made special efforts to keep the plant running with help from the Department of Environment, Government of NCT of Delhi and a generous grant from Dr Urvashi Dhamija, a superannuating faculty member who was one of the founder members of *MH Vatavaran*.

Compost Plant: The College Compost Plant, set up with the help of M/s Greenbandhu, uses a mechanical The plant is currently functional and produces good quality recycled paper including printer quality paper. Thick marbled recycled paper is crafted into folders, big and small envelopes, gift bags and gift envelopes. The paper and products made in Miranda House are popular within the College and University community. crusher to crush wet waste from the College café and hostel kitchen. The large quantities of horticultural waste are also crushed and converted into mulch. The crushed waste is then mixed with lime and converted into compost by an aerobic composting process. When ready, the compost is utilized by the Garden Committee in the extensive College grounds.

Use of renewable energy:

- The hostel has installed 7 Solar Water Heaters on the roof to cater to the needs of the residents and the hostel kitchen.
- The college has installed 40 Solar Street Lights. (i) Installation of 20 Solar Photovoltaic (SPV) Street Lights of capacity 20 Wp SPV in January 2013 was facilitated by KPMG Foundation under their CSR. (ii) Installation of another 20 Solar Street Lights was facilitated in January 2008 by a MoU valid for 10 years with M/s Sonen for installation and maintenance of the luminaires.
- Installation of 7kWp Grid Connected Roof Top Solar Photo Voltaic Power Plant was carried out from the funds received under DU Star Innovation Project *3R: Reduce, Reuse, Recycle*, which became operational in 2017. This provides electricity to the *MirandaTech* Park area where the green technologies are installed. The surplus is contributed to the grid, in lieu of which the College receives a reduced bill.

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	25-30
Provision for lift	Yes	
Ramp/ Rails	Yes	
Braille Software/facilities	Yes	
Rest Rooms	Yes	
Scribes for examination	Yes	

Special skill development for differently abled students						
Any other similar facility						
7.1.4 Inclusion and Situatedness						
Enlist most important initiatives taken to address locational advantages and disadvantages during the year						
Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local Community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2018-19	0	7	September 2018	<i>Project Sadbhawna</i>	Helping orphan children and senior citizens	Total for all projects 200
2018-19			Ongoing	<i>Project Zaffran(Johripur, Bhati Kalan, Khari Baoli)</i>	Livelihood issues of some local communities have been addressed through these projects	
2018-19				<i>Project Ikhtiyaar (Lok Kalyan Setu)</i>		
2018-19				<i>Project Dhreya(Punjab, Haryana and Uttar Pradesh, Sonapat, Haryana)</i>		
2018-19				<i>Project Jazba Project Inara(Madrasi Basti)</i>		
2018-19				<i>Project Tarang (Govindpuri and Dhaula Kuan)</i>		
2018-19				<i>Project Dhreya (Diaries) (NIFT Delhi)</i>		
7.1.5 Human Values and Professional Ethics						
Code of conduct (handbooks) for various stakeholders						
Title		Date of Publication		Follow up (maximum 100 words each)		

Handbook of Information 2018-19	Uploaded on the college website in February 2018	The Handbook gives information about the College including general Rules and Regulations, Academics, Co-curricular and Extra-curricular activities, Awards and Scholarships etc. so that no student lacks information about the various aspects of college
		life. The Handbook is updated on a yearly basis to include any new rules which come into force in a particular year and information about new awards instituted.
Hostel Bulletin of Information 2018-19	Uploaded on the college website in June 2018	The Hostel Bulletin gives detailed information about the MH hostel including facilities and rules. The Hostel Bulletin is updated annually so that the students can be informed about the latest rules.
Anti-ragging Booklet	Always available on the college website since July 2009	The Anti-ragging Booklet has the University Ordinance which specifically prohibits ragging and mentions what constitutes ragging and how students guilty of ragging are to be punished. The Anti-ragging Squad constituted as mandated takes rounds of the College and Hostel to detect any attempt to rag and take necessary steps.

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Odisha Civil Society Contributing to relief work for Odisha floods	August 2018	20+
<i>Anti-Litter Drive</i> : MH Vatavaran with NSS, Miranda House	11 September 2018	80+
The Fourth Delhi Youth Summit on Climate Change (DYSoC) 2018 organized jointly by Delhi Greens and Miranda House	3 and 4 October 2018	30+
On Campus Cleanliness Awareness Drive organized under Swachhta Pakhwada	1-15 August 2018	60+
Talk on <i>Organ Donation</i>	21 August 2018	30+
Teaching –learning centre at Hakikat Park	Ongoing	
Collection Drive with NGO-UMEED	Ongoing	
Plantation Drive: Planted 100 Saplings	26 September 2018	35+
Orientation for TEACH FOR INDIA	5 October 2018	25+
Installation of Sanitary Napkin Vending Machine with Rotaract Club	9 October 2018	10+
Interactive Session on <i>Stress Management</i>	1 February 2019	40+
Projects: <ol style="list-style-type: none"> 1. <i>Sadbhawna</i> (helping at orphanage run by Meera Nair) 2. <i>Saksham</i> (women empowerment) 3. <i>Sakhi</i> (for Visually challenged students) 4. <i>Aagaz</i> (teaching –learning centre at Hakikat Park) 5. <i>Swachh Parisar</i> (Cleanliness Drive) 6. <i>Umeed</i> (Disaster Management) 		
7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)		

Towards a Zero-waste College Campus: *Swachh Campus Fund*, a fund generated through an annual contribution of Rs. 500/- from each student, has helped to maintain the comprehensive Solid Waste Management (SWM) System originally set up through several initiatives and innovation projects. The SWM system covers the following units:

(i) **Paper Recycling Plant (2003 – onwards):** As described in 7.1.2 above, the MH Paper Recycling plant is currently functional and produces good quality recycled paper including printer quality paper. Marbled recycled paper is crafted into folders, big and small envelopes, gift bags and gift envelopes. The paper and products made in Miranda House are popular within the College and University community.

(ii) **Compost Plant:** The College Compost Plant, set up with the help of M/s Greenbandhu, uses a mechanical crusher to crush wet waste from the College café and hostel kitchen. The large quantities of horticultural waste are also crushed and converted into mulch. The crushed waste is then mixed with small quantities of lime and stored in containers for three weeks during which it is converted into compost by an aerobic composting process. When ready, the compost is utilized by the Garden Committee in the extensive college grounds. The maintenance of these two units and the salaries of the Technical Assistants working in them are covered in the Swachh Campus Fund.

Solar Power Plant: Under the DU Star Innovation Project *3R: Reduce, Reuse, Recycle*, funds were earmarked for installation of 7kWp Grid Connected Roof Top SPV Power Plant which became operational in 2017. This provides electricity to the *MirandaTech* Park area where the green technologies are installed. The surplus is contributed to the grid, in lieu of which the College receives a reduced electricity bill. The initial cost of installation of the assets will be recoverable in a period of 5 years.

Restricting Plastic Use: Efforts are constantly on to segregate the large quantities of plastic waste due to plastic mineral water bottles and drinking cups. The segregated plastic waste is then handed over to authorized recycling firms. Student volunteers make constant efforts to completely do away with single-use plastic by motivating their peers to say ‘No’ to plastic cups, bottles and spoons.

Use of renewable energy: Seven Solar Water Heaters are installed on the hostel roof to cater to the needs of the residents and the hostel kitchen. The College has installed 40 Solar Photovoltaic (SPV) Street Lights: 20 SPV Lights of capacity 20 Wp in January 2013 facilitated by KPMG Foundation and another 20 Solar Street Lights facilitated by a 10-year MoU in January 2008 with M/s Sonen who also maintain the luminaires.

7.2 Best Practices

Describe at least two institutional best practices

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

1. Energy conservation: The original buildings have 13 inch brick walls that keep the interiors cool during the Delhi summer. Rooms have ample windows and glass panelled doors for optimal utilization of natural light so that electric lights do not need to be switched on all the time. ‘Save Electricity’ campaigns are conducted throughout the academic year. Student volunteers of *MH Vatavaran* have put up posters near the switchboards of classrooms urging users to switch off lights and fans on their way out. The New Academic Block has motion sensor-based electrical fittings. Gas burners in the laboratories are ignited only when necessary. In classrooms and labs, lights and fans are switched on only in the occupied area. While purchasing air conditioners or refrigerators, the Bureau of Energy Efficiency (BEE) star rating is checked. Students are urged to conserve every drop of water, especially in the hostel. The College community observes Earth Day when lights in the academic block, the hostel and the residences are switched off.

- **Use of LED Lighting:** In a concerted move, traditional lights which consume a greater amount of power have been substituted by LED’s in the library and all corridors of the Old Block.
 - **Use of renewable energy:** Seven Solar Water Heaters are installed on the hostel roof to cater to the needs of the residents and the hostel kitchen. The College has installed 40 Solar Photovoltaic (SPV) Street Lights: 20 SPV Lights of capacity 20 Wp in January 2013 facilitated by KPMG Foundation and another 20 Solar Street Lights facilitated by a 10-year MoU in January 2008 with M/s Sonen who also maintain the luminaires.
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- 2. Solid Waste Management:** As mentioned earlier, the college routinely recycles its biodegradable waste and paper waste. The National Institute of Urban Affairs (NIUA) included a visit to the MH solid waste management facility (composting and paper recycling) as an example of Best Practice in the training programme for officials of Municipal Corporations from across the country under the *Swachh Bharat Abhiyan*. The college also received the Plastic-Free College of the Year Award in June 2018 jointly awarded by the Indian Institute of Ecology and Environment, New Delhi and National Institute of Cleanliness Education and Research (NICER).
- 3. Green Laboratory Practices:** The Department of Chemistry has adopted green practices by
- Minimizing the quantity of chemicals required for different experiments by employing dilute solutions, using smaller burettes and pipettes and performing experiments in groups where feasible.
 - Employing greener chemical methods where possible e.g. synthesis using a microwave oven. Solutions for disposal are neutralized, e.g. during titrations, and flushed down the sink using copious amounts of water.

A *Green Chemistry and Environment* Add-on Course conducted by the Department since 2008 has spread awareness about green chemical methods and eco-friendly practices which could be adopted in the daily lab-work routine. *Green Methods in Chemistry* has been added in the new CBCS curriculum started in July 2015, partly due to input from Miranda House.

4. Disaster Research Programme: Neighbourhood Mapping

Limited resources and widespread damage add to the misery of the people during disasters, which are extreme events with adverse impacts on society. It is important to assess the risk and take actions before a situation turns into a disaster. The NCT of Delhi has been traditionally vulnerable to natural disasters on account of its unique geoclimatic conditions. Falling in the Earthquake Zone IV, Delhi experiences earthquakes of local as well as Himalayan origin. The problem of water logging also affects many parts of the city. Highly congested localities, poor electrical wiring and location of small scale hazardous industries near residential areas increase the risk of fire and chemical hazards too. MH is a part of the College Cluster Initiative launched by JNU Disaster Research Programme (DRP). Under its aegis, students of Geography undertook a project titled *Neighbourhood Mapping and Assessment of Disaster Risk and Vulnerability for Selected Places in and around University of Delhi, North Campus* aiming to sensitize the youth by involving them in participatory neighbourhood mapping programme for disaster risk reduction. The study aimed to identify the nature and extent of disaster risk in the four wards of Civil Lines Municipal Zone and one ward of Sadar Paharganj Municipal Zone and arrive at methods to reduce the risk. Through sustained effort, the project ushered in a tradition of preparedness and sensitised the college community, which has since been making continuous efforts to create a culture of prevention and preparedness, led by the Department of Geography.

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust. Provide the weblink of the institution in not more than 500 words

The motto of Miranda House is *Swadhyayanna pramaditavyam* (“Self-study should not be neglected”). It is meant to steers students towards introspection and self-learning. MH envisions a world where women have their rightful place and are given due recognition as leaders to reach the top positions in all sectors of human endeavour. MH continually attempts to turn this vision into reality, building on its historic legacy of being a leader in women’s education. Miranda House remains strongly committed to addressing issues of gender in all their complexity. The college makes dedicated efforts to prepare the young women under its care to

- lead professionally successful lives enriched by the love of learning
- build personally fulfilling lives radiating integrity and strength of character
- sustain purposeful engagement with the world with a balanced perspective
- meet with confidence the challenges they encounter in their lives
- flourish in different cultural milieus in an increasingly interconnected world
- uphold the core collegial values of respect for diversity, inclusiveness and humanism
- emerge as leaders charged with new ideas and the capacity to make a difference.

To this end, the College provides to its women students

- a stimulating active learning environment attracting young women who wish to make a difference
- highest quality liberal arts and science education through rigorous academic programmes
- culturally sensitive inclusive environment upholding core values of respect for diversity
- enriching co-curricular activities linking education to the world of work and communities
- a dedicated and responsive faculty to assist each student fulfil aspirations and reach milestones
- competencies for new domains of knowledge and the future of work in a globally connected world
- early mentoring for leadership, instilling capacity to explore new ideas.

After graduation, whether she joins a workplace or an institution of higher education, the young Miranda House graduate is identified by her self-learning ability, her seriousness in applying herself to the problem at hand and her capacity for taking a leadership role despite hurdles that are often encountered only by women. Respect for diversity and the willingness to stand up for just causes are also distinctive traits of a Miranda House graduate.

8. Future Plans of action for next academic year (500 words)

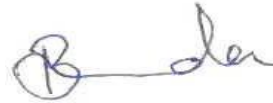
The College remains committed to its mission and vision in continuing and sustaining the inclusive and diverse learning for its teaching-learning community. In the coming academic year, the College would like to address the gaps in its structures and institutions as well as create new avenues to meet the dynamic requirements of the forthcoming year. One of our first endeavours would be to strengthen and develop e-content and create digital museums and archives. Pedagogically, the institution plans to organise Peer Mentorship and outreach modules for career counselling and placement opportunities. Along with this, prospectively, there is intent to strengthen initiatives for furthering academic leadership and organisation with focus on financial inclusion and transparency. The College also seeks to strengthen its commitment towards furthering better outcomes for faculty members as well, through including Guest Faculty in capacity building, training and exposure. Further, the institution will try to provide opportunities for fostering academic leadership and initiative. The College would also like to augment physical infrastructure to support these endeavours, such as the consolidation of language lab with focus on remedial teaching and extension of the provisions for ease of movement and accessibility for the disabled. Strengthening mental health services through establishing wellness centres is another priority. The College also seeks to provide an inclusive teaching-learning environment especially for students from different communities, such as the North East, through initiatives like the North East Conclave with special focus on inclusion and employability.

Name: Dr. Jayashree Pillai



Signature of the Coordinator, IQAC

Name: Dr. Bijayalaxmi Nanda



Signature of the Chairperson, IQAC

Abbreviations:

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution

For Communication with NAAC

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