

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 on 20th February, 2020)



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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(Revised on 26th September, 2019)



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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 are requested to submit the AQAR after one year from date of Accreditation every year. 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.

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, June 1, 2017 to May 31, 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.:
- Alternate phone no.:
- Mobile:
- IQAC e-mail address:
- Alternate Email address:

3. Website address:

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

<https://www.mirandahouse.ac.in/files/iqac/aqar/2018-19/AQAR%202018-19.pdf>

4. Whether Academic Calendar prepared during the year?

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

Weblink: http://oldweb.du.ac.in/uploads/29032019_Academic_Calendar.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:

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
IQAC Workshop for promotion and retirement benefits	28 August 2019	96
Nano Roadshow	01 February 2020	150
Workshop on CAS 2010 and CAS 2018	11 March 2020	98
Workshop on Challenges and Opportunities of Online Education during the Global Pandemic Covid 19	06 May 2020	358
Capacity building initiative: Strengthening the students teacher ratio for robust teaching learning process	28 July 2019	131
Workshop on Financial Management for Student Office Bearers	16 September 2019	53

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.)
Dr. Monika Sharma and Dr. Sadhna Sharma	EMR/2016/0006774	DST	2017	68.37 Lakhs
Dr. Monika Tomar	Extra Mural Scheme	DST	2019	51.48 Lakhs
Dr. Monika Tomar	Extra Mural Scheme	DST	2017	31.54 Lakhs
Dr. Kalawati Saini Dr. Skylab Sahu	INDO-US FOLDSCOPE Scheme/39/2015	DBT	2018	8.0 Lakhs
	Impress (3615) – Understating the Effectiveness of the Role of State in Tackling Decreasing Sex Ratio	ICSSR	2019	2.8 Lakhs
Dr. Poonam Kumria	Seminar on Society & Academic Institutions: Nation Building	ICSSR	2019	1.125 Lakhs

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: 09 (Nine)

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

Yes/No **YES**

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

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.
Strengthening community outreach activities	<ul style="list-style-type: none"> • Joined Unnat Bharat Abhiyaan (MoE initiative) and are engaged with five villages
Initiatives undertaken during the pandemic	<ul style="list-style-type: none"> • Nurturing, mentoring and parenting distressed students • Online teaching through multiple digital platforms from zoom, google meets, Microsoft teams and cisco webex • Audio visual repositories were created • Our in-house 'acadME Platform' for Timetable, Attendance, IA, E-Content, Online Quiz & Notification was further strengthened for usage by the administrative staff, faculty and students to access information.

14. Whether the AQAR was placed before statutory body? Yes /No: NA

Name of the Statutory body: NA Date of meeting(s): NA

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

Yes/No: No

Date: NA

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

Year: 2019-2020

Date of Submission: 25 February 2020

17. Does the Institution have Management Information System?

Yes/No

Yes

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 bilingual (Hindi and English) booklet distributed to all students at the beginning of the academic year to reiterate zero tolerance on ragging.

Initiatives undertaken during the pandemic: The response of our institution to the pandemic and the bottlenecks imposed by it was determined, empathetic, systematic and exemplary. Miranda House, regrouped together in this difficult moment to perform their duty of not just educating but also, nurturing, mentoring and parenting distressed students. All this ways operationalized through multiple digital platforms from zoom, google meets, Microsoft teams and cisco webex. Audio visual repositories were also created to provide students with requisite study material.

Our in-house 'acadME Platform' for Timetable, Attendance, Internal Assessment, e-Content, Online Quiz & Notification is already in use by administrative staff, faculty and students to access information. Further, Non-Teaching Staff with a login based access on acadME are digitally engaged in resolving queries sent by Faculties via their acadME login and thus providing much needed support to ensure smooth and effective delivery of classes. Digital access was provided through the DULS and N List journals. The various departments created a Journal /Books / Study materials request portal where the students could indicate their requirements and the departments would provide access to these study materials through cloud based services such as google drives and Dropbox with common access. We tried to reach out to students with disabilities, economically weaker sections and those in geographically remote areas were reached out through phone calls, whatsapp messages, emails and postal services. The college tried to develop a knowledge base on the future of work keeping in mind a synergy between the technological innovations, disruptive leadership and indigenous knowledge.

Part-B

CRITERION I – CURRICULAR ASPECTS				
1.1 Curriculum Planning and Implementation				
1.1.1 Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words				
<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 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.</p>				
1.1.2 Certificate/ Diploma Courses introduced during the Academic year				None
Name of the Certificate Course	Name of the Diploma Courses	Date of introduction and duration	Focus on employability/ entrepreneurship	Skill development
French Language	None	2019, One year certificate Course	Yes	Yes
German Language		2019, One year certificate Course		
Spanish Language		2019, One year certificate Course		

1.2 Academic Flexibility					
1.2.1 New programmes/courses introduced during the Academic year					None
1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective course system and Learning Outcomes -based Curriculum Framework(LOCF)implemented at the affiliated Colleges (if applicable) during the Academic year.					
Name of Programmes adopting CBCS and LOCF	UG	PG	Date of implementation of CBCS / Elective Course System and LOCF	UG	PG ²
1. B.A. Honours	Yes	No	Ist Year CBCS & LOCF IInd & IIIrd Year CBCS	20.07.2019	
2. B.A. Programme	Yes	No	Ist Year CBCS & LOCF IInd & IIIrd Year CBCS	20.07.2019	
3. B.Sc. Honours	Yes	No	Ist Year CBCS & LOCF IInd & IIIrd Year CBCS	20.07.2019	
4. B.Sc. Programme	Yes	No	Ist Year CBCS & LOCF IInd & IIIrd Year CBCS	20.07.2019	
Already adopted (mention the year) <i>Note:</i> 1. The 4-year Bachelor of Elementary Education (B.El.Ed.) course runs in Annual Mode. 2. PG courses are taught in their respective departments of University of Delhi.					
1.2.3 Students enrolled in Certificate/ Diploma Courses introduced during the year					
No of Students	Certificate			Diploma Courses	
Certificate: 110 Diploma: Nil	French Language (One Year Certificate Course) 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)			Nil	

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
Medical Biotechnology (offered since 2008)	August, 2019	21
Cell Culture Techniques and Application (offered since 2019)	December, 2019	19
Bioinformatics: An introduction for beginners (offered since 2014)	June, 2020	83
Living Values (offered since 2017)	October 2019	80
Legal Literacy (offered since 2017)	September 2019	100
Indo-Dutch Collaborative Programme (offered since 2008)	January 2020	42
Nano Chemistry (offered since 2018)	August 2019	18
Foundation of Yogasana (offered since 2015)	October 2019	50
Consumer Awareness (offered since 2006)	September 2019	150
Self Defence Workshop for visually challenged (offered since 2019)	March 2020	35

1.3.2 Field Projects / Internships under taken during the year				
Project/Programme Title				No. of students enrolled for Field Projects / Internships
Swachhta Pakhwara				150+
Teaching Visually challenged & Underprivileged students				100+
Cleanliness Drive				150+
Plantation Drive				50+
Project Zaffran				11
Project Ikhtiyaar				11
Project Dhreya				11
Field visit to Botanical Garden of India Republic, Noida under the aegis of DBT Star College Scheme				60
Field visit to the Biofertilizer Processing Unit, PUSA Waste Decomposer and National Center for Blue Green Algae, Department of Microbiology, Indian Agricultural Research Institute (IARI)				20
Field visit to Sulabh International				22
Educational field visit to Yamuna Biodiversity Park				64
Field trip to Ahmedabad and Dwarka in Gujarat				65
Field trip to Goa				59
Field trip to Hampi				65
Field trip to Gandhi Smriti				50
Field trip to Mandu & Bagh				14
Education visit to the local municipal corporation				65
<i>Raahi</i> , the Heritage Walk				340
Internship with Eklavya under Shiksha ki Udaan project, Shahpur, Bhopal				03
Internship with Vidyabhawan Society (Udaipur)				13
Nayi Dishayein Summer School workshop, Sambhavna institute, Himachal Pradesh: Participated in discussions and projects based on "Rethinking Development"				04
Skill Enhancement Project - Basic Instrumentation & Renewable Energy				136
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
<p>*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.</p> <p>**Through the Academic Committee which has regular meetings with the Principal and her team.</p> <p># 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.</p>				

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	1102	*	1514
UG 4-Year Programme	55	*	62
PG 2-Year Programme	356	*	285

*In the Academic Year 2019-2020, 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
2019-2020	3945	541	131	--	--

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
194*	194	Projectors, Advanced Labs, Audio-Visual setup etc.	75	05	Computers, Projectors, remote controlled projection screen, self-developed audio and video content and also from reliable sites used. e-Pathshala, study material uploaded on acadME, Google Classroom, Microsoft Teams, Moodles, MOOCS and e-books. Special audio repositories for visually challenged students.

*In addition to full time faculty members teaching learning process is also supported by Guest faculty members and resource persons wherever needed.

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
3945(UG)	194	1:20

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 Ph.D
196	131	65	No permanent appointment has been made during the current year	102

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)

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Bijayalaxmi Nanda	Principal	Excellence award for Academia and Community - Prime Minister's make India Plastic Free Mission 2019, Pandit Deendayal Upadhyay Smriti Sansthan.
2019	Dr. Shampa Roy	Associate Professor	Visiting Fellow at the School of Law, Politics and Sociology, University of Sussex, Sussex House, UK in May-June 2019. Charles Wallace India Trust Translation Fellowship, 2019. A residency Programme offered at the University of East Anglia, Norwich, UK (29 September – 8 December 2019)
2020	Dr. Shweta Sachdeva Jha	Assistant Professor	Dr. Avabai Wadia Archive fellowship 2020-21(Research Centre for Women's Studies SNTD Women's University, Mumbai)
2020	Dr. Sadhna Sharma	Assistant Professor	Bill and Melinda Gates Foundation Global Health Travel Award, Directing Host-mycobacteria interactions towards host immunity, Keystone Symposia Conference A2: Tuberculosis: Immunity and Immune Evasion, January 16 -20, Santa Fe, New Mexico, USA

2019	Dr. Monika Sharma	Assistant Professor	EMBO Workshop Cell Death in Immunity & Inflammation held in October 6-9, 2019, Crete, Greece.
2019	Dr. Rashmi Shakya	Assistant Professor	Reviewer for e-content for undergraduate level in microbiology and Bioinformatics at Consortium for Educational Consortium (CEC), UGC an MHRD initiative at IUAC, Aruna Asaf Ali Marg.
2019	Dr. Rekha Kumari	Assistant Professor	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.
2020	Dr. Sadhna Sharma	Assistant Professor	Reviewer Recognition –Elsevier Journal Immunobiology
2020	Dr. Bhupinder Kaur	Assistant Professor	Best Paper Presentation Award for research paper titled ‘Farm Business Income and Net Household Income of Farmer Households in Punjab-A Comparative Study’ presented at UGC sponsored 6th National Seminar organized jointly by Department of Economics, Punjabi University, Patiala and Punjab Agriculture University (PAU), Ludhiana.
2019	Dr. Poonam	Assistant Professor	CAPES Fellow at Federal Rural University of Pernambuco-UFRPE in Recife, Pernambuco, Brazil, November, 2019.

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*

Programme 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
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*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.
http://oldweb.du.ac.in/uploads/29032019_Academic_Calendar.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 with weblinks

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/economicsoverview.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>

B.Sc.(H) Zoology <http://mirandahouse.ac.in/academics/departments/zoology/zoologyoverview.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
511	B.A. (Hons.) English	68	67	98
516	B.A. (Hons.) Hindi	61	59	96
510	B.A. (Hons.) Economics	71	62	87
518	B.A. (Hons.) History	47	41	87
526	B.A. (Hons.) Philosophy	47	45	95
529	B.A. (Hons.) Sanskrit	26	22	84
523	B.A. (Hons.) Music	9	8	88
507	B.A. (Hons.) Bengali	3	3	100
513	B.A. (Hons.) Geography	61	58	95
530	B.A. (Hons.) Sociology	59	56	94
527	B.A. (Hons.) Political Sc.	67	66	98
501	B.A. Programme	183	170	92
582	B.Sc. Physical Sc.	36	36	100
583	B.Sc. Life Sc.	39	39	100
567	B.Sc. (Hons.) Physics	113	111	98
557	B.Sc. (Hons.) Chemistry	86	84	97
556	B.Sc. (Hons.) Botany	30	30	100
569	B.Sc. (Hons.) Zoology	27	23	85
563	B.Sc. (Hons.) Mathematics	79	66	83
363	B.El.Ed.	40	39	97
807	M.A. English	22	21	95
808	M.A. Hindi	18	16	88

809	M.A. History	21	16	76
	M.A. Philosophy	13	8	61
811	M.A. Sanskrit	22	14	63
	M.A. Music	16	15	93
816	M.Sc. Physics	27	18	66
815	M.Sc. Chemistry	37	35	94
818	M.Sc. Botany	18	16	88
819	M.Sc. Zoology	22	22	100
815	M.Sc. Mathematics	26	18	69
	M.Sc. Anthropology	6	6	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
Major Project				
Development of thin film Surface Acoustic Wave device as a platform for the sensing applications [DST/TSG/ME/2013/58-]	November 2014-2019	DST (Min. of S&T)	Rs. 474.34 Lakh	
Thio-click approach for the synthesis of stable glycomimetics and chiraloxathiacycrown ethers	August 2016-2019	DST	Rs. 36.816 Lakh	One time grant
Inter Regional Aspirations in Jammu and Kashmir	November 2017-2019	ICSSR	Rs. 18.7 Lakh	
DBT Star College Scheme	February 2017-2020	DBT	Rs. 65 Lakh (divided amongst 4 departments)	Rs. 11.94810 Lakh (divided amongst 4 departments)
Development of ferroelectrics thin film based photovoltaics cell [EMR/2017/000194]	July 2017-2020	DST	Rs. 31.54 Lakh	Rs. 5 Lakh
DRDO (Optimization of TiOx films and patterning of polymer (PI-2610) as sacrificial layer for pixel fabrication [1115/CARS-60/TS/SPL]) (as Co-PI)	2018-2019	DRDO	Rs. 22.195 Lakh	Rs. 22.195 Lakh

Declining Child Sex Ratio and Violence Against Women: Examining Girl-Child Discrimination in India	April 2018- 2020	ICSSR - CSDS	Rs. 15 Lakh	
A study of macrophage apoptosis and mitochondrial integrity in response to PE/PE_PGRS family proteins of Mycobacterium tuberculosis	March 2018-2021	DST	Rs. 68.00 Lakh	Rs. 15 Lakh
Development of Nanoantenna Sensors for Infrared Detection	February 2019-2021	DST	Rs. 63 Lakh	
Realization of MEMS based Dual Energy Harvester using ferroelectric and ferromagnetic thin film layered structures	2019-2022	DST	Rs. 51.48 Lakh	Rs. 43.03399 Lakh
DRDO (Fabrication of Lamb Wave Devices on SiO ₂ /Si Membrane for strategic applications) (as Co-PI)	2019-2022	DRDO	Rs. 428.03 Lakh	Rs. 314.282 Lakh
Sustainable route for pesticide management using nano based efficient pesticide formulation technique to enhance crop productivity	2020-2022	DST	Rs. 49.50 Lakh	Pending due to pandemic situation
Minor Projects				
Detoxification of environmental persistent organic pollutants primarily pesticides using functionalized nanomaterials	April 2017-2019	UGC	Rs. 10.00 Lakh	
Access of institutional credit to small and marginal farmer and its impact on their livelihood: a case study of Punjab	May 2017- July 2019	ICSSR, Delhi	Rs. 8 Lakh	Project Report Submitted on 11th July 2019 has been accepted
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	Rs. 8.0 Lakh	Rs. 1.996 Lakh
Peoples Participation and Public Policy: Key to Governance and Development	2018-2019	UGC	Rs. 1.5 lakh	
Understanding the effectiveness of the role of the state in tackling sex ratio :A study of state of Haryana	2018-2020	ICSSR	Rs. 7 lakh	Rs. 2.80 Lakh
UBA Project (Community Outreach Work)	2019-2020	MHRD	Rs. 50,000	Rs. 50,000
Students Research Projects (other than compulsory by the College)	February 2020-to conclude (due to covid 19 pandemic)	DBT Star College Scheme	Rs. 75,000	Rs. 75,000
Interdisciplinary Projects	2017-2020	DBT	Rs 79 lakh	Rs 13 lakh (4 Science Departments)

3R: Reduce, Reuse, Recycle	October 2015-2019	DU Star Innovation Project	Rs. 40.88 Lakh	One time grant
Eureka! MyLab: Developing Resources and Hands-on Science Activities and an Adaptation Accessible for Visually Impaired	October 2015-2019	DU Star Innovation Project	Rs. 37.50 Lakh	One time grant
Therapeutic Potential of Medicinal Plants: Culture, Extraction, Physicochemical Characterization and Testing their Cytotoxic or Immunostimulatory Properties	October 2015-2019	DU Star Innovation Project	Rs. 26.66 Lakh	One time grant
Core Development of College Infrastructure and setting up of a Central Instrumentation Facility	October 2015-2019	DU Star Innovation Project	Rs. 26 Lakh	One time grant
International Projects				
Post-Colonial Narratives of Gender Based Violence	2018-ongoing	Institute of Advanced Studies, University of Birmingham, UK	Rs. 14 lakh	
Addressing Sexual Assault and Harassment of Women when travelling in India	2018-ongoing	Institute of Advanced Studies, University of Birmingham, UK	Rs. 20 lakh	
Comparative Research and Consolidation Project on Understanding the Impact of COVID 19 on Sexual Violence and Post-Rape Care Services on the Adverse Health Effects of Sexual and Gender-Based Violence (SGBV) across contexts in Kenya and India	2020- 2022	Institute of Advanced Studies at the University of Birmingham UK	Rs. 20 lakh	
Sexual Violence along the War and Peace Continuum	2020- 2023	School of Global Studies, University of Gothenburg, Sweden	Rs. 60 lakh	
International Seminar				
Seminar--Himsamvad Sustainable Development in the Indian Himalayan Region	2019-2020	ICSSR	Rs. 4 lakh	Rs. 3 lakh
Seminar on Society & Academic Institutions: Nation Building	2019-2020	ICSSR	Rs. 1.5 lakh	Rs. 1.125 lakh
Biotechnology Popularization Programme	2019-2020	DBT	Rs. 1.99 lakh	Rs. 1.99083 lakh
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)
Workshop on An Exposition of Perishable Products of North East and its Challenges			Botany	06.03.2019
Conference on Upanishads in Present Scenario			Sanskrit	10.04.2019
DBT Biotechnology Popularization-DBT CTEP sponsored			Zoology	02.08.2019
Dragonfly Festival, Lecture-cum-Workshop for Undergraduate Science Students in Association with WWF-India and BHNS sponsored by DBT Star College Scheme			Zoology	28.08.2019

Science Communication and Career Workshop with Nature India and Wellcome Trust/DBT India Alliance.	Zoology	9.9.2019
Second Medical Biotechnology Colloquium- Tailoring Medical Treatments.	Zoology	16.10.2019
Workshop Evolving Face of Microscopy: Magnifying Lens to Nanoscope	Botany	11.12.2019 to 12.12.2019
Workshop on Herbarium Techniques	Botany	20.01.2020
Himsamvad: Sustainable Development in the Indian Himalayan Region: Partnership for Sustainable Development Goal from Himalayan Perspective	Geography	29.01.2020 to 30.01.2020
Departmental colloquium on <i>Promoting Healthy Aging with Dietary Interventions and Non- Coding RNAs</i>	Zoology	27.1.2020
National Workshop Nano Road Show-2020	Chemistry	01.02.2020
DBT Star College Scheme sponsored Students Workshop on An Insight into Development of Zebra Fish	Zoology	11.2.2020 to 12.2.2020
IUPAC GWB2020: Symposium on Bonding to Create Future Leaders in Sciences	Chemistry	12.02.2020
Civil Defence Workshop organized jointly by Miranda House NCC Company and Directorate of Civil Defence	Geography	14.02.2020 to 18.02.2020
Campus Bird Count at Miranda House facilitated by Mr. Abhishek Gulshan, Founder, NINOX - Owl about Nature	Zoology & MH Vatavaran	19.2.2020
Lecture cum workshop on Spirometry: An Overview	Zoology	20.2.2020
Colloquium on Recent Advances and Future Trends in Wildlife Research for students of B.Sc. Zoology III sponsored by DBT Star College Scheme	Zoology	24.2.2020 to 25.2.2020
Webinar Understanding the Genomes of Covid-19 Viruses for the Speedy Development of Drugs and Vaccines	Zoology	16.4.2020
DBT Star College Sponsored, Training for "Moodle"- An Open Source Learning Management System Webinar Series	Zoology	22.4.2020 to 23.4.2020
The Happitude Class	Philosophy	18.05.2020
Webinar on "Post Covid 19 Lockdown: Implications and Management"	Zoology	20.5.2020

3.2.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year				
Name of the Awardee	Title of the innovation	Awarding Agency	Date of Award	Category
Principal	Excellence Awards for Academia and Community	Pandit Deendayal Upadhyay Smriti Sansthan	2019	Institution
Dr. Shampa Roy	Charles Wallace Trust (CWIT) Visiting Fellowship Award	Charles Wallace Trust	2019	Teacher
Ms. Madhu	Travel grant	Scholars of Colour conference, Temple University, Philadelphia, USA	2019	Teacher

Dr. Monika Sharma	EMBO Travel Grant for attending and presenting “Role of <i>Mycobacterium tuberculosis</i> PE/PE_PGRS family protein in modulating host cell survival”	EMBO Workshop	2019	Teacher
Dr. Poonam	Distinguished Investigator Award	Center for Global Health, Hansraj College, University of Delhi, India & Loyola University Chicago	2019	Teacher
Dr. Shampa Roy	Visiting Research Fellow	School of Law, Politics and Sociology, University of Sussex, U.K	2019	Teacher
Dr. Sadhna Sharma	Bill and Melinda Gates Foundation Global Health Travel Award	Bill and Melinda Gates Foundation	2020	Teacher
Dr. Shweta Sachdeva Jha	Dr. Avabai Wadia Archive Fellowship Award	SNDT University, Mumbai	2020	Teacher
Anushka Tiwari	ADAPT Achievement award	ADAPT	2019	Student
Navya Kumar	Erasmus Mundus EMJMD scholarship	London School of Economics ,European Union	2019	Student
Naina Bhargav	Relevance of Gandhian Philosophy in 21 st Century	IIT Roorkee	2019	Student
Nehal Gupta	MA Public Policy & Global Affairs	University of British Columbia, Canada	2019	Student
Rishta Prasad	M.Sc. Environment & Sustainable Systems	University of Glasgow, Scotland	2019	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 NagriMehlana village, Sonapat	Project Dhreya	Enactus, MH
Ram Ghat, WazirabadLok 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

Some Innovative Practices in Miranda House

- 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: *MH Acad ME*, *Event Hub* and *Infra Care* are being used successfully by the Miranda House community: *MH Acadme* by faculty for attendance of students, *Event Hub* for booking a venue for an event to be hosted by the college or a department, *Infra Care* 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

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.

State	National	International
	Dr. Shweta Sachdeva Jha (English) Dr. Avabai Wadia Archive Fellowship Award SNDT University, Mumbai	Dr. Shampa Roy (English) Charles Wallace Trust (CWIT) Visiting Fellowship Award
		Dr. Shampa Roy (English) Visiting Research Fellow School of Law, Politics and Sociology, University of Sussex, U.K
		Ms. Madhu (History) Travel grant Scholars of Colour conference, Temple University, Philadelphia, USA
		Dr. Poonam (Chemistry) Distinguished Investigator Award Center for Global Health, Hansraj College, University of Delhi, India & Loyola University Chicago
		Dr. Sadhna Sharma (Zoology) Bill and Melinda Gates Foundation Global Health Travel Award
		Dr. Monika Sharma (Zoology) EMBO Travel Grant for attending and presenting "Role of <i>Mycobacterium tuberculosis</i> PE/PE_PGERS family protein in modulating host cell survival"

3.3.2 Ph. Ds awarded during the year (<i>applicable for PG College, Research Center</i>)			
Name of the Department		No. of Ph. Ds Awarded	
Physics		One	
*Fourteen faculty members are recognised Ph.D. supervisors and 25 students are registered for Ph.D. under them.			
3.3.3 Research Publications in the Journals notified on UGC website during the year			
	Department	No. of Publication	Average Impact Factor, if any
National	Computer Science	1	
National	Elementary Education	2	
International	Chemistry	12	3.41
International	Mathematics	5	1.5
International	Sanskrit	2	5.12
International	Zoology	10	2.38
International	Physics	44	
International	Geography	7	
International	Political Science	3	
International	Philosophy	2	
International	Botany	3	
National	Economics	2	
National	Bengali	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 publication	
Chemistry		4 (CP)	
Computer Science		5 Chapter	
Economics		1 Book	
Elementary Education		1 (CP), 1 Review, 4 Chapters	
English		2 Books, 5 Chapters	
Geography		1 Book, 5 Chapters	
History		4 Book review	
Mathematics		2 (CP)	
Philosophy		4 Chapters	
Physics		6 (CP)	
Political Science		1 Coedited book, 3 Chapters	
Sanskrit		1 Chapter	

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	Number of citations excluding self citations
Experimental and computational studies of microwave assisted, facile ring opening of epoxide with less reactive aromatic amines in nitromethane	Sumit Kumar, Charu Upadhyay, Meenakshi Bansal, Maria Grishina, Bhupender S. Chhikara, Vladimir Potemkin, Brijesh Rathi, Poonam*	ACS Omega 2020, 5, 30, 18746–18757	2020	1	Department of Chemistry Miranda House, University of Delhi, India	0
Oseltamivir Analogs with potent anti-influenza virus activity	Sumit Kumar, Steven Goicoechea, Sonu Kumar, Catherine M Pearce, Ravi Durvasula, Prakasha Kempaiah, Brijesh Rathi, Poonam*	Drug Discov. Today 2020, 25(8):1389-1402	2020	2	Department of Chemistry Miranda House, University of Delhi, India	2
Discovery of New Hydroxyethylamine Analogs Against 3CLpro Protein Target of SARS-CoV-2: Molecular Docking, Molecular Dynamics Simulation and Structure-Activity Relationship Studies	Sumit Kumar, Prem Prakash Sharma, Uma Shankar, Dhruv Kumar, Sanjeev K Joshi, Amit Kumar, Ravi Durvasula, Lindomar Pena, Prakasha Kempaiah, Poonam* and Brijesh Rathi	J. Chem. Inf. Model. 2020, 60(12), 5754-5770	2020	15	Department of Chemistry Miranda House, University of Delhi, India	13
Fluorinated scaffolds for antimalarial drug discovery.	Upadhyay C, Monika, Oliveira R N de, Borbas A, Kempaiah P, Poonam*, Rathi B	Expert Opin Drug Dis 2020; 15(6): 705-718.	2020	3	Department of Chemistry Miranda House, University of Delhi, India	2
COVID-19: A New Threat to Public Health	Sumit Kumar, Poonam* and Brijesh Rathi.	Curr Top Med Chem. 2020; 20(8) 599-600.	2020	22	Department of Chemistry Miranda House, University of Delhi, India	19
Corona virus SARS-CoV-2 disease COVID-19: Infection, prevention and clinical advances of the prospective chemical drug therapeutics	Bhupender S. Chhikara, Brijesh Rathi, Jyoti Singh, Poonam*	Chem. Biol. Lett. 2020, 7(1), 63-72	2020	70	Department of Chemistry Miranda House, University of Delhi, India	69

PEGylation and Cell-Penetrating Peptides: Glimpse from Past and Prospects in Future.	Sumit Kumar, Devender Singh, Pooja Kumari, Rajender Singh Malik, Poonam*, Keykavous Parang and Rakesh Kumar Tiwari.	Curr Top Med Chem. 2020;20(5):337-348.	2020	3	Department of Chemistry Miranda House, University of Delhi, India	3
Photoinitiated Thio-Ene Reactions of Various 2,3-Unsaturated O-, C- S- and N-Glycosides – Scope and Limitations Study	Kelemen, Viktor; Csavas, Magdolna; Hotzi, Judit; Herczeg, Mihaly; Poonam*; Rathi, Brijesh; Herczegh, Pal; Jain, Nidhi; Borbas, Aniko	Chem Asian J. 2020; 15(6): 876-891	2020	2	Department of Chemistry Miranda House, University of Delhi, India	2
Synthesis and bioactivity of phthalimide analogs as potential drugs to treat schistosomiasis, a neglected disease of poverty	Snigdha Singh, Nelly El-Sakkary, Danielle Skinner, Prem Prakash Sharma, Sabine Otilie, Yevgeniya Antonova-Koch, Prashant Kumar, Elizabeth Winzeler, Poonam*, Conor R Caffrey, Brijesh Rathi	Pharmaceuticals 2020, 13(2), 25.	2020	1	Department of Chemistry Miranda House, University of Delhi, India	1
Chemical libraries targeting liver-stage malarial infection	Sharma N, Poonam*, Kempaiah P, Rathi B	Chem Biol Lett. 2019;6(1):14-22	2019	12	Department of Chemistry Miranda House, University of Delhi, India	12
Theoretical and experimental studies of an oseltamivir–triazole-based thermoresponsive organogel.	Kumar S, Wu L, Sharma N, Ayushee, Kaushik K, Grishina M, Chhikara B S, Poonam*, Vladimir P, Rathi B	RSC Adv. 2019; 9(36): 21031-21041.	2019	2	Department of Chemistry Miranda House, University of Delhi, India	0
Sarkar, Anindita & Snigdha Singh (ed.) (2020) “Waters” of Western Rajasthan: Myths, Traditions, Life and Livelihoods’, R. K. Books, New Delhi. ISBN – 978-93-82847-98-4.	Sarkar, Anindita & Snigdha Singh (ed.)	“Waters” of Western Rajasthan: Myths, Traditions, Life and Livelihoods’,	2020		Department of Geography and Department of History, Miranda House, University of Delhi, Delhi-110007	

Sarkar, Anindita (2020) 'Climate Variability and Water Insecurity in Western Rajasthan' in Sarkar, Anindita & Snigdha Singh (ed.) '"Waters" of Western Rajasthan: Myths, Traditions, Life and Livelihoods', R. K. Books, New Delhi. ISBN – 978-93-82847-98-4						
Sarkar, Anindita (2020) 'Challenges and Strategies for Livelihood Resilience in Water Insecure Rajasthan' in Sarkar, Anindita & Snigdha Singh (ed.) '"Waters" of Western Rajasthan: Myths, Traditions, Life and Livelihoods', R. K. Books, New Delhi. ISBN – 978-93-82847-98-4.						
Everyday practices of urban poor women to access water: Lived realities from a Nairobi slum	Anindita Sarkar	African Studies	2020		Miranda House, Delhi University	
Informal water vendors and the urban poor: Evidence from a Nairobi slum'	Anindita Sarkar	Water International	2020		Miranda House, Delhi University	
Groundwater Irrigation and Farm Power Policies in Punjab and West Bengal: Challenges and Opportunities	Anindita Sarkar	Energy Policy	2020		Miranda House, Delhi University	
Can shared standpipes fulfill the Sustainable Development Goal of universal access to safe water for urban poor in Kenya?	Anindita Sarkar	Water Policy	2019		Miranda House, Delhi University	
The role of new 'Smart technology' to provide water to the urban poor: A case study of water ATMs in Delhi, India'	Anindita Sarkar	Energy, Ecology and Environment	2019		Miranda House, Delhi University	
Smart technology to serve urban poor: A case study of water ATMs in a Nairobi slum	Anindita Sarkar	Water Utility Journal	2019		Miranda House, Delhi University	
'Groundwater, Gurus and Governmentality: Seva in the Neo-liberal development regime in India'	Bhattacharya, Srirupa	Economic and Political Weekly	August 2019			
Optimality and Duality for Vector Optimization Problem with Non - Convex Feasible Set	Suneja S.K., Sharma S.* and Yadav P.	Opsearch	2019		University of Delhi	
Optimally and Duality for set valued Fractional Programming involving generalized cone convexity	Sharma S. *and Chaudhary M.	Journal of non linear analysis and optimization	2019		University of Delhi	

Well-posedness and scalarization in set optimization involving ordering cones with possibly empty interior	Gupta M. and Srivastava M.*	Journal of Global Optimization	2019		University of Delhi	
Approximate Solutions and Levitin-Polyak Well-Posedness for Set Optimization Using Weak Efficiency	Gupta M. and Srivastava M.*	Journal of Optimization Theory and Applications	2020		University of Delhi	
Levitin- Polyak wellposedness of generalized bilevel equilibrium problem with perturbations	Virmani G. and Srivastava M.*	Optimization	2020		University of Delhi	
Radius Estimates for Three Leaf Function and Convex Combination of Starlike Functions	Gandhi, S.	Springer Proceedings in Mathematics & Statistics	2020		University of Delhi	
Farm Business Income and Net Household Income of Farmer Households in Punjab- A Comparative Study	Dr. Bhupinder Kaur	<i>Indian Journal of Economics and Development.</i> (Scopus Indexed)	2020		Miranda House	
Viscum articulatum Burm. f. aqueous extract exerts antiproliferative effect and induces cell cycle arrest and apoptosis in leukemia cells	R Mishra, S Sharma*, RS Sharma, S Singh, MM Sardesai, S Sharma,V Mishra	Journal of ethnopharmacology 219, 91-102	2018	Scopus	Department of Zoology, Miranda House, University of Delhi, Delhi 110007, India.	7
Mere Humdum Mere Dost	Dr. Rajni Disodia	Strikaal	2020			
Yatharthh Ka Anveshan Kartee Kahaniyan	Dr. Kavita Bhatia	Hans Magazine	2019			
Akansha, Swapn Aur Mukti	Dr. Kavita Bhatia	Jansatta,Sunday magazine	2019			
Asmita Aur Manavtavaad	Dr. Kavita Bhatia	Jankriti (International Shodh Patrika)	2020			
Samaj aur Kavita Dono Gender Neutral ho	Dr. Kavita Bhatia	Blog- Janki pul	2020			
Jallianwala Bagh: Sau Varsh Purana Aacena	Dr. Balwant Kaur	Hans Magazine	2019			
Sitam ke Dastaan	Dr. Renu Arora	Hans Magazine	2019			
Lokmat Aur Media	Dr. Nisha Nag	Chapter in book Lokmat ke Rajniti,Swaraj Prakashan	2019			
Khandit Sach ke Daiere(दायरे)	Dr. Nisha Nag	Jansatta	2019			
Parampara ka Aaina	Dr. Nisha Nag	Jansatta	2019			
Mathurji ke Natko me nihit Vyang	Dr. Nisha Nag	Vyang Yatra magazine of Kendriya Hindi Sansthan,Agara	2019			
Kasturba ke Gandhi	Dr. Rama Yadav	Kala Vasudha	2020			
Optimizing Deep Feedforward Neural Network Architecture: A Tabu Search Based Approach	Tarun Kumar Gupta	Neural Processing Letters	2020	5.14	Jamia Millia Islamia, New Delhi	

Stigma receptivity with pollen in sunflower accompanies novel histochemical and biochemical changes in both male and female reproductive structures	Dr. Rashmi Shakya	Vegetos	2020	4	Miranda House	30
Iron homeostasis regulates maturation of tomato (climacteric) and capsicum (non-climacteric) fruits	Rashmi Shakya*, Neha Singh and SC Bhatla	Journal of Biochemistry and Biotechnology	2020	4	Miranda House	30
Localization of calcium signaling components on pollen and stigma of sunflower	Rashmi Shakya	International Journal of Botany Studies	2020	4	Miranda House	30
Concept of equality in education in diverse Indian socio-cultural context”.	Suday Narayan Prasad	Annubhooti Nation journal of Teacher Education ISSN 2454-9657.	2015		BSAIE	
Right to Education: A Critical Appraisal of it’s Implementation Across India”.	Suday Narayan Prasad	Annubhooti Nation journal of Teacher Education ISSN 2454-9657.	2016		BSAIE	
“Critical Appraisal of The Components of The Right to Education Act-2009.	Suday Narayan Prasad	An International Peer Reviewed journal, Universe Journal of Education& Humanities, ISSN2348-3067..	2017		BSAIE	
Issues of Equality in Education: psycho-socio perspective	Suday Narayan Prasad	Psychosocial perspectives in Education Issues Concerns and possibilities published by Kanishka Publishers, Distributors, New Delhi.	2018		Kanishka Publishers, Distributors, New Delhi.	
An Ethnographic Study of Disciplinary and Pedagogic Practices in a Primary Class	C.Suvasini	Contemporary Education Dialogue	2013		Sage Publications	10
Texture evolution in PLD grown ferroelectric Strontium Barium Niobate (SBN) thin films with processing parameters	Surbhi Gupta, Vinay Gupta, Monika Tomar*	Superlattices and Microstructures	2020		Miranda House	2
High-efficiency microwave absorption and electromagnetic interference shielding of Cobalt-doped MoS2 nanosheet anchored on the surface reduced graphene oxide nanosheet	Jagdees Prasad, Ashwani Kumar Singh, Monika Tomar*, Vinay Gupta, Kedar Singh	Journal of Materials Science: Materials in Electronics	2020		Miranda House	—
Refractive index tuning of SiO2 for Long Range Surface Plasmon Resonance based biosensor	Surbhi Jain, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Biosensors and Bioelectronics	2020		Miranda House	2
Influence of Laser fluence in modifying energy storage property of BiFeO3 thin film Capacitor	Shiva Lamichanne, Savita Sharma, Monika Tomar*, Ashok Kumar, Vinay Gupta	Journal of Energy Storage	2020		Miranda House	0

Room temperature electroluminescence from Laser MBE grown Gallium Nitride LEDs	Sheetal Dewan, Monika Tomar*, R.P.Tandon, Vinay Gupta	Materials Science & Engineering B	2020		Miranda House	0
Effect of Laser fluence on multiferroic BFO ferroelectric Photovoltaic Cells	Shiva Lamichanne, Savita Sharma, Monika Tomar*, Ashok Kumar, Vinay Gupta	Journal of Physics and Chemistry of Solids	2020		Miranda House	2
Mesoporous metal oxide- α -Fe ₂ O ₃ nanocomposites for sensing formaldehyde and ethanol at room temperature	Meenakshi Dutt, Amar Ratan, Monika Tomar*, Vinay Gupta, Vaishali Singh	Journal of Physics and Chemistry of Solids	2020		Miranda House	3
High performance UV photodetector based on MoS ₂ layers grown by pulsed laser deposition technique	Sujit Kumar, Anjali Sharma, Yen Teng Ho, Akhilesh Pandey, Monika Tomar*, A.K. Kapoor, Edward Yi Chang, Vinay Gupta	Journal of Alloys and Compound	2020		Miranda House	6
Molybdenum Disulfide-Wrapped Carbon Nanotube-Reduced Graphene Oxide (CNT/MoS ₂ -rGO) Nanohybrids for Excellent and Fast Removal of Electromagnetic Interference Pollution	Jagdees Prasad, Ashwani Kumar Singh, Amar Nath Yadav, Monika Tomar*, Amit Srivastava, Pramod Kumar, Vinay Gupta, Kedar Singh	ACS applied materials & interfaces	2020		Miranda House	5
Tunable electronic and magnetic properties of 3d transition metal doped Bi ₂ Fe ₄ O ₉	Shaan Ameer, Kajal Jindal, Monika Tomar*, Pradip K. Jha, Vinay Gupta	Journal of Magnetism and Magnetic Materials	2020		Miranda House	3
The Role of an unintentional carbon dopant in resolving the controversial conductivity aspects in BiFeO ₃	Shaan Ameer, Kajal Jindal, Monika Tomar*, Pradip K. Jha, Vinay Gupta	Physical Chemistry Chemical Physics	2020		Miranda House	2
Electromagnetic interference shielding performance of lightweight NiFe ₂ O ₄ /rGO nanocomposite in X-band frequency range	Ajit Kumar, Ashwani K. Singh, Monika Tomar*, Vinay Gupta, P. Kuma, Kedar Singh	Ceramic International	2020		Miranda House	7
Effect of growth and electrical properties of TiO _x films on microbolometer design	Isha Yadav, Surbhi Jain, S.S.Lamba, Monika Tomar*, Sudha Gupta, Vinay Gupta, K.K. Jain, Shankar Dutta, Ratnamala Chatterjee	Journal of Materials Science: Materials in Electronics	2020		Miranda House	2
Synthesis and characterization of sol gel derived nontoxic CZTS thin films without sulfurization	Pratyay Amrit, Surbhi Jain, Monika Tomar*, Vinay Gupta, Bhawana Joshi	International Journal of Applied Ceramic Technology	2019		Miranda House	0
Improved electromagnetic shielding behaviour of graphene encapsulated polypyrrole-graphene nanocomposite in X-band	Nisha Gill, Vinay Gupta, Monika Tomar*, Amit L. Sharma, O.P. Pandey, Dwijendra P. Singh	Composites Science and Technology	2020		Miranda House	10

Enhancement in NH ₃ sensing performance of ZnO thin-film via gamma-irradiation	Maqsood R.Waikar Pooja M.Raste Rakesh K.Sonker Vinay Gupta Monika Tomar* Mahendra D.Shirsat Rajendra G.Sonkawade	Journal of Alloys and Compound	2020		Miranda House	10
Long range surface plasmon assisted highly sensitive and room temperature operated NO ₂ gas sensor	Surbhi Jain, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Sensors and Actuators B	2020		Miranda House	7
Thermo-optic Aided Tunability of Sr _{0.6} Ba _{0.4} Nb ₂ O ₆ Thin Film-based Electro-optic Modulator Using Waveguide Coupled SPR Modes	Surbhi Gupta, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Plasmonics	2020		Miranda House	2
Synthesis of mesoporous a-Fe ₂ O ₃ nanostructures via nanocasting using MCM-41 and KIT-6 as hard templates for sensing volatile organic compounds (VOCs)	Meenakshi Dutt, Ayushi Kaushik, Monika Tomar*, Vinay Gupta, Vaishali Singh	Journal of Porous Materials	2020		Miranda House	3
Carbonized charcoal loaded PVDF polymer composite: A promising EMI shielding material	Krishna.K. Kamal Halder, Monika Tomar*, V.K.Sachdev, Vinay Gupta	Arabian Journal for Science and Engineering	2020		Miranda House	2
Plasmon-Assisted Crystalline Silicon Solar Cell with TiO ₂ as Anti-Reflective Coating	Surbhi Jain, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Plasmonics	2020		Miranda House	2
Ferroelectric Sr _{0.6} Ba _{0.4} Nb ₂ O ₆ thin film based broadband waveguide coupled Surface Plasmon Electro-optic modulator	Surbhi Gupta, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Optics and Laser Technology	2020		Miranda House	5
Surface Plasmon Resonance assisted optical analysis of Strontium Barium Niobate thin films	Surbhi Gupta, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Applied Surface Science	2020		Miranda House	6
Synthesis of CdS nanoparticles by sol-gel method as low temperature NO ₂ sensor	Rakesh Sonker, Bal Chandra Yadav, Vinay Gupta, Monika Tomar*	Materials Chemistry and Physics	2020		Miranda House	20
Lossy Mode Resonance based Refractive Index Sensor for Sucrose Concentration Measurement	Rakesh Saini, Anil Kumar, Geeta Bhatt, Avinashi Kapoor, Ayushi palliwal, Monika Tomar*, Vinay Gupta	IEEE Sensors Journal	2020		Miranda House	2
Ferroelectric PZT thin films for photovoltaic application	Reema Gupta, Vinay Gupta, Monika Tomar*	Materials science in Semiconductor Processing	2020		Miranda House	8
Home Security and Automation using Arduino and Sensors		International Journal of Advances in Electronics and Computer Science	2019		Miranda House	
A comprehensive review of bilirubin determination methods with special emphasis	Rachna Rawal, Poonam R. Kharangarh, Sudhir	Process Biochemistry	2020		Miranda House	3

on biosensors	Dawra, Monika Tomar*, Vinay Gupta, C.S. Pundir					
Lossy Mode Resonance based Refractive Index Sensor for Sucrose Concentration Measurement	Rakesh Saini, Anil Kumar, Geeta Bhatt, Avinashi Kapoor, Ayushi palliwal, Monika Tomar*, Vinay Gupta	IEEE Sensors Journal	2020		Miranda House	2
Surface Plasmon Resonance assisted optical analysis of Strontium Barium Niobate thin films	Surbhi Gupta, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Applied Surface Science	2020		Miranda House	6
Ferroelectric Sr _{0.6} Ba _{0.4} Nb ₂ O ₆ thin film based broadband Waveguide coupled Surface Plasmon Electro-optic modulator	Surbhi Gupta, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Optics and Laser Technology	2020		Miranda House	5
Synthesis of CdS nanoparticles by sol-gel method as low temperature NO ₂ sensor	Rakesh Sonker, Bal Chandra Yadav, Vinay Gupta, Monika Tomar*	Materials Chemistry and Physics	2020		Miranda House	20
Ferroelectric PZT thin films for photovoltaic application	Reema Gupta, Vinay Gupta, Monika Tomar*	Materials science in Semiconductor Processing	2020		Miranda House	8
Plasmon-Assisted Crystalline Silicon Solar Cell with TiO ₂ as Anti-Reflective Coating	Surbhi Jain, Ayushi Paliwal, Vinay Gupta, Monika Tomar*	Plasmonics	2020		Miranda House	2
Highly sensitive and non-invasive electrochemical immunosensor for salivary cortisol detection	Nidhi Dhull, Gurpreet Kaur, Vinay Gupta, Monika Tomar*	Sensors and Actuators B	2019		Miranda House	16
Enhanced electron transfer properties of NiO thin film for the efficient detection of urea	Manisha Tyagi, Monika Tomar*, Vinay Gupta	Materials Science and Engineering B	2019		Miranda House	6
Enhanced microwave absorption and suppressed reflection of polypyrrole-cobaltferrite-graphene nanocomposite in X-band	Nisha Gill, Amit L. Sharma, Vinay Gupta, Monika Tomar*, O.P.Pandey, Dwijendra P. Singh	Journal of Alloys and Compound	2019		Miranda House	16
Pyrene appended bis-triazolylated 1,4-dihydropyridine as a selective fluorogenic sensor for Cu ²⁺	Rakesh Kumar, Rashim Bawa, Parveen Gahlyan, manu Dalela, Kajal Jindal, Pradip K. Jha, Monika Tomar*, Vinay Gupta	Dyes and Pigment	2019		Miranda House	12
CdSe/V ₂ O ₅ Core/Shell Quantum Dots Decorated Reduced Graphene Oxide Nanocomposite for High-Performance Electromagnetic Interference Shielding Application	Ashwani Kumar Singh, Amar nath Yadav, Amit Srivastava, Kamal Krishna Haldar, Monika Tomar*, Andrei V Alaferdov, Stanislav A Moshkalev, Vinay Gupta, Kedar Singh	Nanotechnology	2019		Miranda House	9

Low resistivity of pulsed laser deposited $Cd_xZn_{1-x}O$ thin films	Sugandha Sharma, Basant Saini, Ravinder Kaur, Monika Tomar*, Vinay Gupta, Avinashi Kapoor	Ceramics International	2019		Miranda House	2
EMI shielding of ABS composites filled with different temperature treated equal quantity charcoals	Krishna.K. Kamal Halder, V.K. Sachdev, Monika Tomar*, Vinay Gupta	RSC Advances	2019		Miranda House	0
CoFe ₂ O ₄ nanoparticles decorated MoS ₂ -reduced graphene oxide nanocomposite for improved microwave absorption and shielding performance	Jagdees Prasad, Ashwani Kumar Singh, Krishna Kamal Haldar, Monika Tomar*, Vinay gupta, Kedar Singh	RSC Advances	2019		Miranda House	18
In-situ and post deposition analysis of Laser MBE deposited GaN films at varying nitrogen gas flow	Sheetal Dewan, Monika Tomar*, R.P.Tandon, Vinay Gupta	Vacuum	2019		Miranda House	5
Influence of top metal electrode on electrical properties of pulsed laser deposited lead-free ferroelectrics K _{0.35} Na _{0.65} NbO ₃ thin films	Shweta Sharma, Ashok Kumar, vinay Gupta, Monika Tomar*	Materials Science in Semiconductor Processing	2019		Miranda House	1
Insight into electronic, magnetic and optical properties of magnetically ordered Bi ₂ Fe ₄ O ₉	Shaan Ameer, Kajal Jindal, Monika Tomar*, Pradip K. Jha, Vinay Gupta	Journal of Magnetism and Magnetic Materials	2019		Miranda House	4
Refractive index sensor using long-range surface plasmon resonance with prism coupler	Ayushi Paliwal, Monika Tomar*, Vinay Gupta	Plasmonics	2019		Miranda House	12
ZnO nanostructure-assisted growth of (0002)-oriented GaN thin films by Laser MBE	Sheetal Dewan, Monika Tomar*, Ashok K. Kapoor, R.P.Tandon, Vinay Gupta	Journal of Photonics for Energy	2019		Miranda House	2
Strong electromagnetic wave absorption and microwave shielding in the Ni-CuMoS ₂ /rGO composite	Jagdees Prasad, Ashwani K. Singh, Monika Tomar*, vinay Gupta, Kedar Singh	Journal of Materials Science: Materials in Electronics	2019		Miranda House	7
Multifunctional CuO nanosheets for supercapacitor electrode material with enhanced photocatalytic activity	Narendra Budhiraja, Sapna, vinod Kumar, Monika Tomar*, Vinay Gupta S.K. Singh	Journal of inorganic and organometallic polymers and Materials	2019		Miranda House	14
Development of polyvinylidene fluoride-graphite composites as an alternate material for electromagnetic shielding applications	Krishna Kamal haldar, Monika Tomar*, V.K. Sachdev, Vinay Gupta	Materials Research Express	2019		Miranda House	5
Synthesis of mesoporous α -Fe ₂ O ₃ nanostructures via nanocasting using MCM-41 and KIT-6 as hard templates for sensing volatile organic compounds (VOCs)	Meenakshi Dutt, Ayushi Kaushik, Monika Tomar*, Vinay Gupta, Vaishali Singh	Journal of Porous Materials	2019		Miranda House	3

Impact of plasma dynamics on Magneto Optic Kerr Effect (MOKE) in Mn doped BFO thin films”,	Ayushi Paliwal, Savita Sharma, Monika Tomar*, Vinay Gupta	Physica B	2019		Miranda House	1
Multiferroic BFO/BTO multilayer structures based Magnetic field sensor	Savita Sharma, Ayushi Paliwal, Monika Tomar*, Vinay Gupta	Physica B	2019		Miranda House	3
Electro-optic (EO) effect in Proton-exchanged lithium niobate: towards EO modulator	Ayushi Paliwal, Anjali Sharma, Ruyan Guo, Amar S. Bhalla, Vinay Gupta, Monika Tomar*	Applied Physics B	2019		Miranda House	2
Carbonized charcoal loaded PVDF polymer composite: A promising EMI shielding material	Krishna Kamal haldar, Monika Tomar*, V.K. Sachdev, Vinay Gupta	Arabian Journal for Science and Engineering	2019		Miranda House	2
Rapid antibiotic susceptibility testing by resazurin using thin film platinum as a bio-electrode	Priyanka Mishra, Divya Singh, K.P. Mishra, Gurpreet Kaur, Nidhi Dhull, Monika Tomar*, Vinay Gupta, Bhuvnesh Kumar, Lilly Ganju	Journal of Microbiological Method	2019		Miranda House	4
Investigation on Physical properties of Sn-modified cubic Cu ₂ O Nanostructures	Narendra Budhiraja, Sapna, vinod Kumar, Monika Tomar*, Vinay Gupta S.K. Singh	Journal of Superconductivity and Novel Magnetism	2019		Miranda House	1
Fabrication and characterization of ZnO-TiO ₂ -PANI (ZTP) micro/nanoballs for the detection of flammable and toxic gases	Rakesh Sonker, Bal Chandra Yadav, Vinay Gupta, Monika Tomar*	Journal of Hazardous Materials	2019		Miranda House	31
Label-free amperometric biosensor for Escherichia coli O157:H7 detection	Nidhi Dhull, Gurpreet Kaur, Prateek Jain, Priyanka Mishra, Divya Singh, Lilly Ganju, Vinay Gupta, Monika Tomar*	Applied Surface Science	2019		Miranda House	10
Electrical properties of Strontium Barium Niobate (Sr _{0.6} Ba _{0.4} Nb ₂ O ₆) thin films deposited by Pulsed Laser Deposition technique	Surbhi Gupta, Ashok Kumar, Vinay Gupta, Monika Tomar*	Vacuum	2019		Miranda House	2
Dielectric and ferroelectric studies of KNN thin film grown by Pulsed Laser Deposition technique	Shweta Sharma, Ashok Kumar, vinay Gupta, Monika Tomar*	Vacuum	2019		Miranda House	11
Structural and dielectric properties of PLD grown BST thin films	Reema Gupta, Vinay Gupta, Monika Tomar*	Vacuum	2019		Miranda House	10
Fabrication of Micro-Cantilever and its theoretical validation for Energy Harvesting Applications	Reema Gupta, Lokesh Rana, Anjali Sharma, Vinay Gupta, Monika Tomar*	Microsystem Technologies	2019		Miranda House	3

“Changing Trends in Party System in India: Dominant Party System and its Breakdown”	Pushpa Singh	Political Process in Contemporary India, Pearson, India	2019		Miranda House	
<i>Comparative Government and Politics</i>	Pushpa Singh	Sage Publications	2019		Miranda House	
“Climate Change, Women, and Environmental Movements in India” in Flatt Emma J., Swarup Vani & Teiri Silvia Voices on South Asia : Interdisciplinary Perspectives on Women’s Status, Challenges and Futures	Pushpa Singh	World Scientific, Singapore. DOI: 10.1142/9789811213267_0012	2020		Miranda House	
Immunogenicity of late stage specific peptide antigens of Mycobacterium tuberculosis.	Medha Singh, Parul Bhatt, Monika Sharma*, Mandira Varma-Basil, Anil Chaudhry, Sadhna Sharma*	Infect Genet Evol. 2019 Jun 19;74:103930. doi: 10.1016/j.meegid.2019.103930. [Elsevier (Impact Factor: 2.611)	2019	Scopus	Miranda House	4
Rv2626c and Rv2032 activate TH1 response and downregulate regulatory T cells in peripheral blood mononuclear cells of tuberculosis patients.	Swati Singh, Monika Sharma*, Anil Chaudhry, Sadhna Sharma*	Comparative Immunology, Microbiology and Infectious Diseases 62: 46-53. Elsevier (Impact Factor: 1.920)	2019	Scopus	Miranda House	6
DosR proteins of Mycobacterium tuberculosis upregulate effector T cells and down regulate T regulatory cells in TB patients and their healthy contacts.	Kirti Pandey, Swati Singh, Parul Bhatt, Medha, Monika Sharma*, Anil Chaudhry, Sadhna Sharma*	Microbial Pathogenesis 126: 399-406. Elsevier (Impact Factor: 2.332)	2019	Scopus	Miranda House	3
High performance Supercapacitor based on rod shaped ZnO Nanostructure electrode	Nutan Rani*, Mona Saini, Sapna Yadav, Kalpna Gupta, Manika Khanuja, Kalawati Saini*	AIP Conference Proceedings, 2276, 020042 (2020); https://doi.org/10.1063/5.0026084 , ISSN No. 1551-7616	2020		<i>Department of Chemistry, Miranda House, University of Delhi, Department of Chemistry, Raj Rishi Government College, , Rajasthan, Centre for Nanoscience and nanotechnology, Jamia Millia Islamia,</i>	

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	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
Stigma receptivity with pollen in sunflower accompanies novel histochemical and biochemical changes in both male and female reproductive structures	Dr. Rashmi Shakya	Vegetos	2020	2	21	Miranda House
Everyday practices of urban poor women to access water: Lived realities from a Nairobi slum	Anindita Sarkar	African Studies	2020	4	1	Miranda House, Delhi University
Informal water vendors and the urban poor: Evidence from a Nairobi slum',	Anindita Sarkar	Water International	2020	4	1	Miranda House, Delhi University
Groundwater Irrigation and Farm Power Policies in Punjab and West Bengal: Challenges and Opportunities	Anindita Sarkar	Energy Policy	2020	4	4	Miranda House, Delhi University
Can shared standpipes fulfill the Sustainable Development Goal of universal access to safe water for urban poor in Kenya?	Anindita Sarkar	Water Policy	2019	4	2	Miranda House, Delhi University
The role of new 'Smart technology' to provide water to the urban poor: A case study of water ATMs in Delhi, India'	Anindita Sarkar	Energy, Ecology and Environment	2019	4	4	Miranda House, Delhi University
Smart technology to serve urban poor: A case study of water ATMs in a Nairobi slum	Anindita Sarkar	Water Utility Journal	2019	4	1	Miranda House, Delhi University
Immunogenicity of late stage specific peptide antigens of Mycobacterium tuberculosis.	Monika Sharma and Sadhna Sharma	Infect Genet Evol. 2019 Jun 19;74:1039-30. doi: 10.1016/j.meegid.2019.103930. [Elsevier (Impact Factor: 2.611)]	2019	3	4	Department of Zoology, Miranda House, University of Delhi, Delhi 110007, India.
Rv2626c and Rv2032 activate TH1 response and downregulate regulatory T cells in peripheral blood mononuclear cells of tuberculosis patients.	Monika Sharma and Sadhna Sharma	Comparative Immunology Microbiology and Infectious Diseases 62: 46-53. Elsevier	2019	3	6	Department of Zoology, Miranda House, University of Delhi, Delhi 110007, India.

		(Impact Factor: 1.920)				
DosR proteins of Mycobacterium tuberculosis upregulate effector T cells and down regulate T regulatory cells in TB patients and their healthy contacts.	Monika Sharma and Sadhna Sharma	Microbial Pathogenes is 126: 399-406. Elsevier (Impact Factor: 2.332)	2019	3	3	Department of Zoology, Miranda House, University of Delhi, Delhi 110007, India.
Farm business income and net household income of farmer households in Punjab-A comparative study	Bhupinder Kaur	Indian Journal of Economics and Development Volume 16, Issue : 2s Page 58-67	2020	1	nil	Miranda House, University of Delhi

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	45	78	1	10
Presented papers	34	16		4
Resource Persons		10	1	23

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
Anaemia Check-up camp (Poshan Abhiyan)	Delhi State Health Mission	4	1200
Blindfold Walk	Saksham NGO	2	87
Nukkad Natak	Delhi State Legal Services Authority	1	12
Water conservation awareness	Tarun Bharat Sangha	4	156
Road Safety Awareness	Indian Road Safety Campaign	2	72
Justice for every child	Kailash Satyarthi Children's Foundation	1	46
Election Awareness	SVEEP	2	55
The Young Leaders Plastic Challenge	WWF-India collaborated with MH Vatavaran	2	14

Road Safety & Mobility Workshop	Lakshita the Enabling society in collaboration with National Association for Blind(NAB)	2	25+
Self Defense workshop	Lakshita the Enabling society in collaboration with the American India Foundation	5	30+
National Nukkad Natak Competition. invited TULA-MHCC	Rural Electrification Corporation (REC) of the Government of India	3	60+
Webinar on National Education Policy	In collaboration with NSS and Unnat Bharat Abhiyaan		70

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
<i>UN Tide Turner Challenge</i> coordinated by WWF-India	Successful completion certificate	UNEP and WWF-India	2 students completed certificate and spread awareness in entire College community
Street Play Event - Aaghaz'20	Special mention for the street play- 'Jal Bata Shunya'	Aarambh-The Dramtics Scoeity of Maharaja Surajmal Institute of Technology	23
Street Play Event- 'Quo Vadis'20	First position for 'Jal Bata Shunya'	Indian Institute of Foreign Trade	23
Street Play Event- 'Nukkad'20'	Best Music for 'Jal Bata Shunya'	Pratibimb- The Dramatics Society of Delhi Technological University	23
Street Play Event- 'Majlis Fest'20'	First position for 'Jal Bata Shunya'	Birla Institute of Management and Technology	23
Street Play Event- 'Udghosh'20'	Second position and Best Music for 'Jal Bata Shunya'	Vayam- The Dramatics Society of Shivaji College	23
Street Play Event- 'Sahir'20'	Second position for 'Jal Bata Shunya'	Dhwani- The Dramatics Society of Acharya Narendra Dev College	23
Street Play Event- 'Roohaniyat'20'	First position for 'Jal Bata Shunya'	Jijeevisha- The Dramatics Society Lady Hardinge Medical College	23

Street Play Event- 'Nata Samrat'20'	First position for 'Jal Bata Shunya'	Astitva- Theatre Society of Dyal Singh College (M)	23	
Stage Play Event- 'Riwayat'20'	Team member, Bakul Negi awarded the Best Actor for stage play- 'File 2307'	Institute of Management Technology, Ghaziabad	1	
Stage Play Event- 'Udghosh'20'	Second position for 'File 2307'	Lal Bahudar Shastri Institute of Management	23	
All India Best Cadet, Sw, Army Wing 2021	Trophy, Medal and Baton	Prime Minister of India and Director General of NCC	1	
Prime Minister's Rally (cultural)	Medal	NCC headquarter	7	
Prime Minister's Rally (parasailing)	Medal	NCC headquarter	2	
Prime Minister's rally (table drill)	Medal	NCC headquarter	1	
Ek Bharat Shreshtha Bharat	Badge Interview aired on television	3 DGBn Grp C headquarter Delhi Directorate	1	
Ek Bharat Shreshtha Bharat	Badge	2 DGBn Delhi Directorate	2	
Ek Bharat Shreshtha Bharat	Badge	Group B NCC headquarter Delhi Directorate	1	
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>Swachh Bharat Abhiyan</i>	MH Vatavaran and NSS unit MH	<i>Swachhta Pakhwara</i> (Cleanliness Fortnight)	3 from MH Vatavaran	33 from MH Vatavaran
Annual Workshop on Consumer Affairs' from 25 September 2019 to 27 September 2019		workshop concluded with a roadshow to generate awareness about consumer laws in the campus. Slogans like "Jaago Grahak Jaago, Apna Haq Maango"	More Than Fifteen Teachers	One Hundred and Ten

The Vigilance Awareness Week Programme was conducted by TULA MHCC		Department of Political Science	More than Seven Teachers	60+
Workshop on Legal Literacy	Delhi State Legal Services Authority	Department of Political Science Workshop Series	3	100
Ek Bharat Shreshtha Bharat	Delhi Directorate NCC with Andhra Pradesh and Telangana Directorate NCC	Ek Bharat Shreshtha Bharat		1
Ek Bharat Shreshtha Bharat	Delhi Directorate NCC with Bihar and Jharkhand Directorate NCC	Ek Bharat Shreshtha Bharat		2
Ek Bharat Shreshtha Bharat	Delhi Directorate NCC with Bihar and Jharkhand Directorate NCC	Ek Bharat Shreshtha Bharat		1
Swachh Bharat Abhiyan	Delhi Directorate	Rajpath Swachhata Abhiyan		6
Swachh Bharat Abhiyan	Headquarter NCC	Rashtriya Swachhata Abhiyan		72
Swachh Bharat Harit Bharat	Headquarter NCC	Tree Plantation Pakhwada		99
Swachh Bharat Abhiyan	Headquarter NCC	Visit To Rashtriya Swachhata Kendra		9
Swachh Bharat abhiyan	NCC headquarter	Anti pollution drive		42
Swachh Bharat abhiyan	NCC headquarter	Statue adoption (Mahatma Gandhi's statue)		12

Fit India campaign	Headquarter NCC	Fit India campaign		100
Aatma nirbhar Bharat	Headquarter NCC	Aatma nirbhar Bharat, Be vocal for local		99
International yoga day	Ministry of Ayush	My life my yoga		89
Training in NCC	NCC	Prime minister's rally (Parasailing)		2
Training in NCC	NCC	Prime minister's rally (cultural)		7
Training in NCC	NCC	Prime minister's rally (table drill)		1
Training in NCC	1 DGBn	Annual Training camp (which includes self defence, civil defence and disaster management)		98
FIT India	Ministry of Youth Affairs and Sports	Freedom Run	4	155
Human Rights	National Human Rights Commission of India	Human Rights Awareness	1	2
Poshan Maah	Ministry of Ayush	Healthy Diet	4	132
Vigilance Awareness week	Airport Authority of India	Importance of Integrity	4	43

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
Regional English Language Office (RELO) of the U.S. Embassy	Organised by Dr. Archana Kushwaha, Ms. Swarnlata Sah, Ms. Rekha Badsawal (TIC) Participants – over 300 students and faculty members from across the B.El.Ed departments in different colleges of Delhi University		2 days (February 18 and 19, 2020.)

Faculty exchange: Visit to deliver lectures in a Ph.D. Course,	Dr. Poonam	Department of Pharmaceutical Chemistry, University of Debrecen, Hungary	6-16 October, 2019
Student exchange and conference attended	Sumit Kumar (Ph.D. Student)	DBT, Govt of India	20-24 November, 2019
Add on course on Legal Literacy	Dr. Namrata Singh	Delhi State Legal Services Authority & Miranda House, New Delhi	23rd September-4th October, 2019

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	Editorial Intern	Macmillan Education, India. D - 90, Sector 2. Noida - 201301	14.05.2019 to 07.07.2019	Oishani Chowdhury
Internship	Ad Sales Intern & Brand solutions	Vogue, Condè nast First Floor, Southern Park, Unit 15, Plot D-2, Saket Business District, New Delhi 1100017	26.05.2019 to 26.07.2019	Muskan Thirani
Internship	Educator	Unacademy https://unacademy.com/@shriya_kaushal	May 2019 – present	Shriya Kaushal
Internship	Research Assistant	IIT Roorkee Department of Humanities and Social Sciences, IIT Roorkee under Prof. Anindya Mishra (anindya.mishra@gmail.com)	01.06.2019 to 16.07.2019	Naina Yadav
Internship	Intern	StudioClick India. (Graphic Design) meghnapahwa@studioclickindia.com	04.06.2019 to 04.07.2019	Kashish Bajaj
Internship	Content writer	Sports Social. Sport Social Blog: https://www.chaseyoursport.com	01.07.2019 to 30.09.2019	Anmol Banerjee
Internship	Campus Ambassador	TinderU India Tinder and Match Group India campusrep@tinderu.in	01.08.2019 to 30.07.2020	Pratiksha Chaudhuri
Internship	V-Force Leader - Sustainable Development Projects and Campaigns	United Nations United Nation House, 55 and 73 Lodhi Estate, New Delhi – 110 003, India. unrco.in@one.un.org	01.10.2019-30.01.2020	Muskan Thirani

Internship	Research Intern	With Dr. T Sumathy Member of Parliament Lok Sabha, South Chennai Constituency, Indian Parliament	12.12.2019 to 30.01.2020	Sreenidhi Murali
Internship	Climate Counselor	International Centre for Culture & Education (ICCE). https://intcce.org/ Contact Person : Sapna Vishwakarma 8308121525	01.01.2020 to 31.12.2020	Anit Maria Joseph
Internship	Youth Mentor	Clean Air For Asia NGO Basement C, 3, Green Park Ext Rd, Block B, Green Park Extension, Green Park, New Delhi, Delhi 110016 https://cleanairasia.org/	03.01.2020 to Ongoing	Rishta Prasad
Internship	Intern	Shunyta House 201-202 Mohan Complex, Block - H,LSC, Phase - 1, Ashok Vihar New Delhi 110052	04.01.2020 to 10.07.2020	Sohini Majumder
Internship	Marketing Intern	JS Tigers (Virtual) PRI Co-working Space, #883, "Chinmayee Arcade", 2nd Floor, 10th Cross, RBI Layout, JP Nagar, 7th Phase, Bangalore, Karnataka India 560078. www.jstigers.com ; neelima@jstigers.com	03.02.2020 to 03.04.2020	Pratiksha Chaudhuri
Internship	Fundraising and Marketing Intern	Hamari Pahchan NGO 1121 opposite Arjuna Camp mahipalpur bypass Delhi, India https://www.hamaripahchan.org	18.02.2020 to 18.03.2020	Dishita Dandona
Internship	Intern	With Dr. T Sumathy Member of Parliament Lok Sabha, South Chennai Constituency, Indian Parliament	20.02.2020 to 28.04.2020	Sreenidhi Murali
Internship	Cartoonist	Commondove (virtual) https://www.comondove.com	24.02.2020 to 03.05.2020	Arshiya Agarwal
Internship	Content Writer	Uneako, NGO Eco-friendly sustainable Brand https://uneako.com/ Contact Person: Ankit Thripathi Contact number: 9650575205	09.03.2020 to 09.06.2020	Mukta Mitra

Internship	Marketing and Outreach Intern	Plaksha Tech Leaders Fellowship (Virtual) Reimagining Higher Education Foundation, Plot No 13 Maruti Udyog, Sector 18, Gurgaon 122022 Reimagining Higher Education Foundation, Plot No 13 Maruti Udyog, Sector 18, Gurgaon 122022 https://plaksha.org/techleaders;mailto:atasha@plaksha.org	01.04.2020 to 01.07.2020	Pratiksha Chaudhuri
Internship	Content Writing and Marketing and Sales Intern	The Pocket Full of Words: Blog The Pocket Full of Words. F-25/11 Dilshad Colony; Delhi-110095 https://thepocketfullofwords.com/	01.04.2020 to 30.06.2020	Nisshat Sheikh
Internship	Research Trainee	Niti Manthan Niti Manthan 93, South Avenue, New Delhi, India nitimanthan@gmail.com	27.04.2020 to 29.05.2020	Dishita Dandona
Internship	Social Media Marketing Intern	The Culinary Lounge, Hyderabad (virtual) gopi@theculinarylounge.com	10.05.2020 to 15.06.2020	Oishani Chowdhury
Internship	Research Trainee (VIRTUAL)	IIT Roorkee Department of Management Studies, IIT Roorkee under Prof. Vinay Sharma vinay.sharma@ms.iitr.ac.in	10.05.2020 to 30.08.2020	Naina Yadav
Internship	Ambassador	International Centre for Culture & Education (ICCE) Green Revolution https://intcce.org/ Contact Details: Sujata Sarkar sujata@intcce.org	15.05.2020 - ongoing	Parvathy Anand
Internship	Content Development	The Akshaya Patra Foundation: NGO that runs a school lunch programme http://www.aikyayouth.org/ http://www.akshayapatra.org/ Contact person: Anshwana Bhaduria; 9568755424	15.05.2020 to 15.06.2020	Mukta Mitra
Internship	Fundraising Volunteer	Muskurahat Foundation (virtual) https://muskurahat.org.in/	24.05.2020 to 24.07.2020	Oishani Chowdhury
Internship	Content writer	Hamari Pahchan NGO 1121 opposite Arjuna Camp mahipalpur bypass Delhi, India. https://www.hamaripahchan.org	25.05.2020 to 24.06.2020	Anushka Poonia

Internship	Corporate Communication Intern	Hindustan Petroleum Corporation Limited Petroleum House, 17, Jamshedji Tata Road, Mumbai 400020. https://www.hindustanpetroleum.com/	22.05.2020 to 22.07.2020	Samyak Sharma
Internship	Educator; engaged with the Unnayan Project	Eckovation https://unnayan.eckovation.com/	01.06.2020 to 31.07.2020	Shriya Kaushal
Internship	Content Development Intern	Association for Welfare, Social Action and Research Association Gautam Budh Nagar, Uttar Pradesh http://www.awsarindia.org/	05.06.2020 to 06.08.2020	Manchit Jasrotia
Internship	Intern	India Redefined ,NGO. https://www.indiaredefined.org/	08.06.2020 to 08.07.2020	Parvathy Anand
Internship	Campus Ambassador and Intern	Aspire For Her Foundation (AFH) [Virtual] http://www.aspireforher.org	08.06.2020 to 08.08.2020	Dishita Dandona
Internship	Campus Ambassador	Aspire For Her Foundation (AFH) [Virtual] http://www.aspireforher.org	08.06.2020 to 08.07.2020	Anushka Arora
Internship	Intern	Indian Institute of Human Settlements IIHS Bengaluru City Campus No. 197/36, 2nd Main Road Sadashivanagar Bengaluru 560 080. India https://iihs.co.in/	10.06.2020 to 10.10.2020	Maitreyi Sharan
Internship	Content Development (VIRTUAL)	Akshaya Patra Foundation-AIKYA Youth Initiative Mentor- Anshwna Bhadauria (anshwna.bhadauria@akshayapatrapatra.org)	11.06.2020 to 10.07.2020	Naina Yadav
Internship	HR Head	Metvy Networking https://metvy.com/	21.06.2020 to 21.09.2020	Ojas Thakur
Internship	Campus Ambassador	Scholastic India (virtual) https://www.scholastic.co.in/	28.06.2020 to 28.07.2020	Oishani Chowdhury
Freelance	Consulting Copywiter	Digital Odyssey, Kenya https://www.digitalodyssey.net;	27.07.2019 to 28.07.2020	Anannya Sharma
Resource Person	Study Materials & Syllabus Making	Uttarakhand Subordinate Service Selection Commission	21.10.2019 to 23.10.2019	Dr. Sukanta Ghosh Department of Bengali

Participation	Participant course in Green Revolution	International Centre for Culture & Education (ICCE) Green Revolution- Contact Details: Sujata Sarkar sujata@intcce.org https://intcce.org/ ; ask@intcce.org	01.03.2020 to 31.12.2020	Drishti Shekhar
Participation	Participant	International Centre for Culture & Education (ICCE) Green Revolution Certificate Course	11.06.2020 to ongoing	Nivedita Sharma
Member	IGE (Incoming Global Entrepreneur)	AIESEC, International Students Organisation https://www.aiesec.in/local_office/delhi-university Contact details: Sandeep Mishra; +91 73180 21912	10.02.2020 to 14.05.2020	Sangamithra S
Volunteering	Volunteer	Kailash Satyarthi Children Fund. https://satyarthi.org.in/ Contact person: Aparna Ravi; Contact Number:965412713	08.02.2020 to 15.02.2020	Mukta Mitra
Volunteering	Volunteer	IAWRT (The International Association of Women in Radio and Television), Asian Women's Film Festival 2020 secretariat@iawrt.org www.iawrt.org	05.03.2020 to 07.03.2020	Lakshmi Padmakumar
Volunteering	Volunteer for Fund Raising	Youth Empowerment Foundation. 74, Masudpur Dairy, Sector B, Vasant Kunj, New Delhi, Delhi 110067 https://www.yefindia.org/ Contact Number: yefindia@gmail.com	01.05.2020 to 30.06.2020	Raima Roy
Volunteering	Teacher	Rainbow Homes Programme- (Securing the basic rights of the street children through guaranteed education, nutrition, clothing, health care, recreation, love and support.) 24 Khajan Singh Building, Adhchini, Aurobindo Marg, New Delhi -110017 https://rainbowhome.in/	June 2020 - present	Raima Roy

3.5.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year			
Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
Dhananjayrao Gadgil College of Commerce, Stara, Maharashtra	23 September 2019	Academic and cultural exchange programs aimed at promoting quality education and scholarly activities.	Entire College
Civil Society Magazine	31 October 2019	Civil Society, a monthly magazine published from Delhi, has been reporting on change makers in India.	Entire College
Stree Shakti – The Parellel Force	07 January 2020	Joint Symposium, workshop, conferences and training programs at National and International level.	Entire College
Rama Devi Women’s University, Bhubaneswar, Odisha	29 November 2019	Collaborating and sponsoring activities relating to activities of Sarala Devi Centre for Gender Research – A multidisciplinary centre.	Entire College

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation (Rs.)	Budget utilized for infrastructure development (Rs.)
MFS - 30,62,030	
Repair & Renovation - 11,85,797	
Total - 42,47,827	42,47,827

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	15.11 acres	
Class rooms	75	1 added in new building
Laboratories	32	8 added in new building
Seminar Halls	02	1 added in new building
Classrooms with LCD facilities	75	
Classrooms with Wi-Fi/ LAN	The college Wi-fi connection is available	
Seminar halls with ICT facilities	01	
Video Centre	02	2 added
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	Physics Lab Science Fund (Rs. 198063) Multimedia Projector (Rs. 217600) Angel Player (Rs. 101830) Laptops (Rs. 165908) Cell Imaging System Leica DMi8Microscope (Rs. 1921070) Cold Incubator Shaker (Rs. 678930) Lab Development (Rs. 1860651)	
Value of the equipment purchased during the year (Rs. in Lakhs)	Rs. 5144052	

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	
4.2.1 Library Services:						
	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	102542		766		103307	736966
Reference Books						
e-Books						
Journals	50				50	
e-Journals	43270				43270	
Digital Database						
CD & Video						
Library automation						
Weeding (Hard & Soft)	NIL		NIL		NIL	
Others (specify)						

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	1644	Comp. Sc. 35 Web lab 10 DSKC project lab: 30	1625	5	DRC (I&II): 80 DRC (Lib): 30 DRC (Hostel): 16 Amba Dalmia Centre (Lib):10	Admin:19 Accounts: 8 Library:11	Computer Sc.: 35 Physics: 24 Maths: 24 Geog.:22 Zoology: 5 Botany: 10 Chemistry: 10	1 GBPS	111 Netbooks 1129 laptops
Added	10						Physics: 10		
Total	1654								
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
Reema Bhatia	“Introduction to Sociology”	National Institute of Open Schooling (NIOS) Swayamprabha Channel by the Ministry of Human Resource Development, Government of India.	2 December 2019,
Dr. Reema Bhatia was invited for a lecture on on by	“Caste System in India”	National Institute of Open Schooling (NIOS) Swayamprabha Channel by the Ministry of Human Resource Development, Government of India,	18 November 2019,
Dr. Ritu Ahlawat	Unit 18	eGyanKosh	Nov 2019
Dr. Sadhna Sharma	1. Undergraduate Immunology	Moodle (LMS)	July 2019
	2. Applications of Cell Culture Techniques	Moodle (LMS)	December 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
IT-16,75,044 Library books - 3,40,000 Total - 20,15,044	20,15,044	Garden - 7,05,869 Sports - 13,68,845 Total - 20,74,714	20,74,714

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 deposes 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	Financial Assistance, Founder's Day Awards	152	8,53,350
	University of Delhi Science Meritorious Award	66	1,98,000
Financial support from other sources			
a) National	INSPIRE	163	97,80,000
	NIVH	10	1,76,000
	Help the Blind Foundation	41	4,30,778
	CSIR-JRF	Medha Singh	3,65,960 (till March 2020)
b) International	Erasmus Mundus Joint Masters Degree scholarship, University of Glasgow	Navya Kumar	7,98,714

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 on Basic Laboratory techniques	5-6 August 2019 8-9 August 2019	42 students of B.Sc. (H) Botany I Year and 34 students of B.Sc. Life Sciences I year	Department of Botany, Miranda House
Bridge Course on Basic Laboratory techniques	1 and 9 August 2019	94 students of B.Sc. (H) Chemistry I Year and 35 students of B.Sc. Life Sciences I year	Department of Chemistry, Miranda House
Bridge Course Laboratory Instrumentation: Principle, Usage and Applications instruments and techniques for B.Sc. (H) Zoology Semester I Students	5-10 August, 2019	43	Department of Zoology, Miranda House and D. S. K. Centre for Research and Innovation in Science Education, Miranda House, University of Delhi.

An Introductory session for students and faculty was conducted by Dr Dhawal Modi from Round Glass to create awareness and destigmatize mental health	November 2019	82	Round Glass
A session on 'Life - Making it happen, striking a BALANCE' was conducted by Dr Sanaya Nariman, Author of the Galaxy Series and Science Spark textbooks, followed by a session on 'Negotiation and Mediation' by Sadhna Ramachandran, Master Trainer in Mediation	February 2020	76	Dr Sanaya Nariman

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

* Assistance is provided to students taking competitive examinations and other entrance examination at the department level . 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. Few 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. In addition the UG students preparing for CAT and Civil Services also 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.

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
01 (ICC)	01	80-90 days
69 (Examination related)	69	7-10 days
05 (Admission related)	05	1-2 days (within the respective admission cut-off list)

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
ZS Associates	60	3	Cactus Communication	3	Data not available
Eigo Paathshaala	27	None	Doubtnut	8	
DE Shaw	156	1	The Smart Cube	3	
Oberoi Group	15	None	White Panda	11	
TresVista Financial Ltd.	27	6	TATA Consultancy Services	14	
Accenture	50	3	Ad Yogi	20	
NIIT	9	1	Josh Talks	14	
TGES	28	9			
Teach for India	8	None			
VitoAlter	10	None			
McKinsey	64	4			
Planet Spark	16	None			
ICICI Bank	20	2			
Sheeko	17	2			
Special Management	6	None			
ATOM	3	None			
Athena Education	3	None			
TRG Recruitments	41	None			
Inshorts	3	1			
Skuad	12	1			
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
2020	5	B.A. (H) Bengali	Bengali	Delhi University (05)	MA Bengali
2020	13	B.A. (H) Economics	Economics	IIM Kozhikode (1), Delhi School of Economics (6), Jawaharlal Nehru University (1), Yale University (1), Indian Statistical Institute (1), IIM Trichy (1), Paris School of Economics (1), Faculty of Law Delhi University (1)	MA Economics, LLB

2020	7	B.A. (H) English	English	Ashoka University (1), Delhi University (2), University of Hyderabad (1), Apeejay institute of mass communication (1), Symbiosis Institute of Media and Communication, Symbiosis International University (1), Indian Institute of Mass Communication, Guwahati University (1)	MA English, LLB, PG diploma in Corporate communication and event management, , MBA, Postgraduate Diploma in English Journalism
2020	14	B.A. (H) Geography	Geography	Delhi School of Economics (6), Jawaharlal Nehru University (1), Footwear & Designing Development Institute of India (1), Tata Institute of Social Sciences (1), Banasthali Vidhyapith University (1), Indira Gandhi University (2), Ambedkar University (1), University of Rajasthan (1)	M.A. Geography, M.A. Urban Studies, M.A. Rural Development, M.A. Disaster Management,
2020	15	B.A. (H) Hindi	Hindi	Dr Ram Manohar Lohia awadh University Uttar pardesh (1), Delhi University (12), Guru Gobind Singh Indraprastha University (1), Indian Institute of Mass Communication , Delhi (1)	B.Ed., M.A. Hindi, Mass Communication, Hindi Journalism,
2020	13	B.A. (H) History	History	National Museum Institute (1), Delhi University (3), Jamia Millia Islamia (1), Jawaharlal Nehru University (3), IIMC, Ambedkar University (1), Amity University (1), Ashoka University (1), Government Law College (1), Sophia College (1)	MA Museology, M.A. History, LLB, Journalism and Mass Communication, Diploma in Advertising and PR, M.A. Modern History, M.A. Medieval History,
2020	4	B.A. (H) Philosophy	Philosophy	University of Glasgow, University of Barcelona and Erasmus University (1), London School of Economics (1), University of Delhi (2)	Global History and Creative Industries, Msc. Development Studies, M.A. Philosophy, LLB

2020	27	B.A. (H) Political Science	Political Science	University of Delhi (14), Amity University (1), Ambedkar University (1), CCS University (1), Jawaharlal Nehru University (3), St. Xaviers College (2), Graduate Institute of International and Development Studies (1), National Law School of India University (1), Vedica Scholars Programme for Women (1), O.P. Jindal Global University; Jindal Global Law School (1), IBS Hyderabad (1)	M.A. Political Science, MBA, Diploma in PR and Corporate Communication, LLB, Masters in Public Policy, International Relations and Political Science, Masters in Public Policy, International Relations and Area studies, M.A. Global Studies, M.A. Journalism & Communication
2020	9	B.A. (H) Sanskrit	Sanskrit	Delhi University (5), Alliance française (1), Lal Bahadur Shastri Sanskrit Vidyapeeth (2), Central Sanskrit university (1)	M.A. Sanskrit, French Course, B.Ed.
2020	22	B.A. (H) Sociology	Sociology	Delhi University (7), TERI School of Advanced Studies (1), South Asian University (2), Ambedkar University (1), Tata Institute of Social Sciences (5), Vedica Scholars Programme for Women (1), Jawaharlal Nehru University (3), IIT Guwahati (1), The Energy and Resources Institute (1)	M.A. Sociology, M.A. Social Work in Public Health, LLB, M.A. in Urban Policy & Governance, M.A. Sustainable Development
2020	34	B.A. Programme		Delhi University (17), Kurukshetra University (1), Maharshi Dayanand University (2), IIT Roorkee (1), IGNOU (4), Jawaharlal Nehru University (3), Guru Gobind Singh Indraprastha University and Institute of Vocational Studies (1), Indian Institute of Mass Communication (1), Manipal University (1), Ambedkar University (1), Jamia Milia Islamia (1), Government Mizoram Law College (1)	M.A. History, M.A. Philosophy, M.A. Political Science, LLB, M.A. Sociology, Masters in Business Economics, B.Ed., Advertising & Public Relations, Social Work, Rural Development Studies, MA Global Studies

2020	17	B.El.Ed.	Elementary Education	GGSIIP University (2), Ambedkar University (2), IGNOU (3), University of Delhi (7), Dr. BR Ambedkar University (1), Guru Gobind Singh Indrapastha University (1), Jamia Milia Islamia (1)	Masters of Education, M.A. in Psychology, M.A. Political Science, M.A. English
2020	22	B.Sc. (H) Botany	Botany	University of Delhi (7), University of Hyderabad (1), IIM Rohtak (1), CMP College (1), IIT Roorkee (1), Central University of Haryana (1), GSSIPU (1), Punjab University (1), Maharishi Dayanand University Haryana (1), Jawaharlal Nehru University (1), J.C. Bose University of Science and Technology (1), YMCA (1), Amity University (1), Galgotias University (1), Chaudhary Bansi Lal University (1), Great lakes Institute of Management (1)	M.Sc. Botany, M.Sc. Plant Sciences and Biotechnology, MBA, M.Sc. Biotechnology, M.Sc. Environmental Studies
2020	21	B.Sc. (H) Chemistry	Chemistry	Kaziranga University (1), Delhi University (9), IIT Hyderabad (2), IIT Delhi (3), IIT Indore (1), IIT Madras (1), IIT Bombay (1), IIT Mandi HP (2), IIT Roorkee (1)	M.Sc. Chemistry
2020	32	B.Sc. (H) Mathematics	Mathematics	Delhi University (17), IIT Delhi (2), IIT Indore (2), Rajasthan University (1), Doon University (1), Punjab University (2), Acharya Nagarjuna University (1), Jawaharlal Nehru University (2), IGNOU (1), St. Xavier's College (1), Chatrapati Shahuji Maharaj University (1), South Asian University (1),	M.Sc. Mathematics, M.Sc. Applied Mathematics, Masters in Operational Research, M.Sc. Big Data Analytics, MBA

2020	45	B.Sc. (H) Physics	Physics	Delhi University (23), Delhi Technology University (2), IIT Madras (1), Vidyabharathi (1), IIT Kanpur (1), Jamia Milia Islamia (1), IIT Indore (1), Jawaharlal Nehru University (2), MDU (1), IIT Varanasi (1), IIT BHU (1), Kurukshetra University (1), University of Rajasthan (1), University of Cologne (1), Dr Palpu College of arts and science Kerala University (1), IIT Mandi HP (2), IIT Palakkad (1), IIT Dhanbad (1), SSM College (1), University of Bonn (1)	M.Sc. Physics, B.Ed., M.Sc. Tech. Geophysics, M.Sc. Applied Physics
2020	21	B.Sc. (H) Zoology	Zoology	Guru Jambheshwar University (1), Delhi University (10), Doon University (1), Julius-Maximilians-Universität Würzburg, Germany (1), Amity University (1), Baba Bhimrao Ambedkar University (1), MDU (1), Boston University (1), Punjab University (1), TERI (1), IIT Mumbai (1), Jamia Milia Islamia (1)	M.Sc. Zoology, M.Sc. Anthropology, B.Ed., M.Ed., M.Sc. Forensic Science, M.Sc. Journalism, MBA, M.Sc. Psychology
2020	7	B.Sc. Life Science		YMCA (1), Delhi University (4), Delhi Technology University (1), Christ Bangalore (1)	M.Sc. Botany, M.Sc. Zoology, LLB, M.Sc. Biotechnology, M.Sc. Chemistry
2020	7	B.Sc. Physical Science	Computer Science	University of Rajasthan (1), Delhi University (2), Deenbandhu Chotu Raam University of Science and Technology (1), NIT Calicut (1), GJUS&T Hisar (1), CCSU (1)	M.Sc. Physics, LLB, MCA, M.Sc. Mathematics

*This is based on the data available with the institution.

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
JAM CAT	2	MA319A085 9091497
NET	15	
GATE	1	
GMAT	1	
GRE	8	
TOEFL	3	
State Government Services	2	450326 (UKPSC) 190815001778(APPSC)
JAM	22	
Any Other : IELTS	2	001346 Candidate Number- 256443
CTET	1	122004715
*This is based on the data available with the institution.		
5.2.4 Sports and cultural activities / competitions organised at the institution level during the year		
Activity	Level	Participants
Fresher's Cross Country	Intra-College / Intra- institutional	Approx.- 150
Certificate Course in Yogasana	Intra-College / Intra- institutional	50
Erobern	Inter College	Approx. 500
Conclave <i>Celebrating the Himalayas</i> , in collaboration with CMS Vatavaran, including film screening and film-based quiz	University level	103 students from Miranda House and other DU colleges
General Quiz (Raat Gayi, Baat Gayi)	Open to MH Hostel Students	51 teams
Economics Quiz (Bazaar) in collaboration with Economics department MH	Inter-College (Open to UG and PG Students)	255 teams
Jaipuria Quizzing League	Intra-College	55 teams
Rachita Dasgupta Fest (Etymology, MELA, all-written Food, India, and General Quiz)	Inter College (open to all UG and PG Students)	301 participants

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
2019	Award for delivering Excellence in the area of Environment and Society	National (by Pandit Deendayal Upadhyaya Smriti Sansthan)		Environmental Awareness		Awarded to Miranda House
2019-2020	Certificate for ECHO 2020 Sustainable Development Project	State (by WWF-India)		Sustainable Development Challenge		Divya, Angela, Archana, Muskan
2019-20	Participated in 11 th Asian Netball Championship Held at Japan. II Position in 36 th Senior National Championship held at Bangalore	International National	Yes			Prachi, B.A. Program-II
2019-20	I Position in North Zone Intervarsity Chess Championship held at Mohali, Chandigarh Participated in All India Intervarsity Chess Championship held at Bhuwneshwar, Odisha	All India Intervarsity	Yes			Sweta Priyadarshini, B.A. (H)- Pol. Sc.- III
2019-20	I Position in North Zone Intervarsity Chess Championship held at Mohali, Chandigarh Participated in All India Intervarsity Chess Championship held at Bhuwneshwar, Odisha	All India Intervarsity	Yes			Medha Chauhan, B.Sc. (H)- Maths-I

2019-20	<p>IV Position in All India Intersity Tennis Championship held at Gwalior , Madhya Pradesh</p> <p>I Position in North Zone Intersity Tennis Championship held at Murthal, Haryana</p> <p>Participated in FENESTA Nationals held at Delhi.</p> <p>Participated in AITA-1 Lac held at Bahadurgarh</p> <p>Participated in AITA-1 Lac held at Jaipur</p>	<p>All India Intersity</p> <p>National</p>	Yes			Adrija Biswas, B.A. (H)- Geography- I
2019-20	Participated in All India Intersity Archery Championship held at Bhuvneshwar, Odisha	All India Intersity	Yes			Simar, B.A. P-II
2019-20	Participated in All India Intersity Archery Championship held at Bhuvneshwar, Odisha	All India Intersity	Yes			Chhaya, B.A. (H)- Sociology-I
2019-20	IV Position in All India Intersity Athletics Championship (21 km) held at Manglore.	All India Intersity	Yes			Pooja, B.A. P-II
2019-20	Participated in All India Intersity Netball Championship held at Annamalai University, Chidambaram, TN	All India Intersity	Yes			Neetu, B.A. P-II

2019-20	Participated in All India Intersity Netball Championship held at Annamalai University, Chidambaram, TN	All India Intersity	Yes			Agrima Rawat, B.A. (H.)-English-II
2019-20	Participated in All India Intersity Netball Championship held at Annamalai University, Chidambaram, TN Participated in Centre Zone Netball Championship held at Durgbhilai, Chhatisgarh.	All India Intersity National	Yes			Ekagrata Vats , B.Sc. (H)-Zoology-I
2019-20	Participated in All India Intersity Taekwondo Championship held at GNDU, Punjab	All India Intersity	Yes			Parul, B.Sc. (H.) Zoology II
2019-20	Participated in All India Intersity Taekwondo Championship held at GNDU, Punjab	All India Intersity	Yes			Rubal Grover, B. A. (H) English II
2019-20	Participated in All India Intersity Taekwondo Championship held at GNDU, Punjab	All India Intersity	Yes			Reetika, B.Sc. (H.) Chemistry I
2019-20	Participated in All India Intersity Taekwondo Championship held at GNDU, Punjab	All India Intersity	Yes			Muskan Maheshwari, B.Sc. (H.) Life Science I
2019-20	III Position in North Zone Athletic Championship (HJ) held at Sangrur, Punjab	National	Yes			Vyakhya, B.A. (H.)- Music

2019-20	Participated in Junior Athletics North Zone Championship (800mts.) held at Sangrur, Punjab	National	Yes			Vinita, B.A. (H)- History- I
2019-20	Participated in National Reliance Foundation Youth Sports Athletics Meet held at Mumbai, Maharashtra	National	Yes			Neema, B.A. (H)- Hindi- I
2019-20	Participated in FENESTA Nationals held at Delhi.	National	Yes			Neeru, B.A. P- III
2019-20	Participated in AITA-1 Lac held at Chandigarh	National	Yes			Ankita Hoon, B.A. (H)- Pol. Sc.- III
2019-20	Participated in AITA-1 Lac held at Chandigarh	National	Yes			Prarthana Dwivedi , B.A. P- II
2019-20	III Position in UTT National Ranking Table Tennis Tournament held at Sonapat, Haryana	National	Yes			Chhavi Singh, B.A. (H)- Pol. Sc.- II
2019-20	Participated in 7 th Junior National Basketball Championship held at Patna, Bihar	National	Yes			Shilpa Jaglan, B.A. P- I
2019-20	Participated in 63 rd National Shooting Championship Competition held at Bhopal, MP	National	Yes			Shweta Kakkar, B.A. P- III
2019-20	Participated in 63 rd National Shooting Championship Competition held at Bhopal, MP	National	Yes			Sumedha, B.Sc. (H)- Zoology-III
2019-20	Participated in 63 rd National Shooting Championship Competition held at Bhopal, MP	National	Yes			Sumita, B.A. P- III

2019-20	Participated in 63 rd National Shooting Championship Competition held at Bhopal, MP	National	Yes			Mumal Vaishnav, B.A. (H)- Geography- II
2019-20	Selected for Indian Skating team for RGOI Rural Games Indo- Thailand Roller Skating International Championship 2020 to be held at Thailand. Asia Book of Records along with 7 other Records of 96 hours Skating Marathon to promote Indian games and support the mission “Ek Bharat Shreshtha Bharat” at Belgaum, Karnataka Guinness Book of World Record entitled as Longest Conga Line of Saktas 48 hours at Belgaum, Karnataka 1 Gold medal and 2 Silver medals in Nationals Roller Skating Championship organized by Rural Games Organization of India held at Belgaum, Karnataka Participated in Nationals Skating Championship held at Belgaum, Karnataka	National	Yes			Visheshta Singh, B.A. P-II
2019	Best Play- second runner-up	National- Antaragini IIT Kanpur		Theatre		Team Event
2019	Best Actor	National- Antaragini IIT Kanpur I		Theatre	2018/320	Tanvi Ghosh

2019	Best Actor	National- Antaragini IIT Kanpur 1		Theatre	2019/133	Vrinda Sharma
2020	Best Play	National – Inter Rajpal Memorial One- Act Stage Play Competition, St. Stephens		Theatre		Team Event
2020	Best Actor	National – Rajpal Memorial, St. Stephens		Theatre	2018/114 5	Ritul Madhukar
2020	Best Actor	National – Rajpal Memorial, St. Stephens		Theatre	2019/164 4	N. Vaishnavi
2020	Best Direction	National – Rajpal Memorial, St. Stephens		Theatre	2017/438 2018/320	Sucheta Ramesh, Tanvi Ghosh
2020	Best Play in Shakespeare’s Original Language	National- Shakespeare Society of India		Theatre		Team Event
2020	Best Actor	National- Shakespeare Society of India		Theatre	2018/142 0	Falek Khatana
2020	Best Actor	National- Shakespeare Society of India		Theatre	2019/133	Vrinda Sharma
2019- 20	1st Position in Crucible Quiz Competition- Zephyr’20 organised by English Literary Society SRCC)- 24th February 2020	National /open for all	N/A	YES	2019/171 0	Sonal Sharma
2019- 20	2nd Position In Quizastic organised under Globe- Annual Fest of Geography Department of Miranda House)- 29th January 2020	open for all /National	N/A	YES	2019/171 0	Sonal Sharma
2019- 20	2nd Position In Radix the General Quiz- Ramjas College)- 18th February 2020	open for all /National	N/A	YES	2019/171 0 and 2018/122 2	Sonal Sharma and Twinkle Gupta

2019-20	North Delhi Topper In Mimamsa Science Quiz- IISER Pune)- 18th January 2020	National	N/A	YES	2019/678	Kamakshi Singh
2019-20	2nd Position In GAEA Quiz- Jesus and Mary College on 19th September 2019	open for all /National	N/A	YES	2019/1799 and 2018/958	Poulam Mondal and Roshni Yadav
2019-20	1st Position In Traditions and Festivals of Spain- India Spain Youth Forum)- 14th January 2020	National - open for all	N/A	YES	2019/213	Aishwarya Giri
2019-20	1st Position In Bookmark the Literary Quiz, held in Abhivyakti 2.0 - Shivaji College- 29th January 2020	open for all /National	N/A	YES	2019/212 and 2019/18	Sakshi Singhvi and Sunidhi Joshi
2019-20	1st Position In Film Based Quiz- held during celebrating the Himalayas conclave organised in association with CMS Vatavaran by MH Vatavaran)- 3rd September 2019	National	N/A	YES	2019/211	Sneh

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.

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) : *Delay in new membership due to the pandemic

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 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. 5000 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: The college was invited to participate in the prestigious 7th Clash of The Titans Invitational Debate on the motion 'This House Believes That Social Media is damaging Democracy'. Miranda House fielded Ms. Urvashi Butalia, Publisher, Historian, co-founder Kali for Women and founder Zubaan Books and Ms. Puja Sen, Senior Editor, Caravan. It was a proud moment when Miranda House team received the Host Trophy. The events brought together a large contingent of Mirandians, women of substance who have done us proud.

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 2019-20.

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 2019-2020 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.

• **Software/ tool used for teaching during the pandemic covid 19:** For conducting online classes and to facilitate communication, faculty are making effective use of free to use Online Conference/Meeting platforms like Google Classroom, Zoom, Skype, Google Hangout, WhatsApp and more based on their choice and preference.

Our in-house 'acadME Platform' for Timetable, Attendance, IA, E-Content, Online Quiz & Notification is already in use by admin, faculty and students to access information. The Assignment/Study Material module of the platform is coming in great use to enable faculty to share lecture notes, assignments and other study material/external links with students via login based access. The information is sent paper/group wise derived from faculty's timetable enabling smooth and dynamic flow of information. Faculties are using the Online Quiz module to conduct online assessments. IA module is used for feeding marks and compiling the Internal Assessment.

Further, Non-Teaching Staff with a login based access on acadME are digitally engaged in resolving queries sent by Faculties via their acadME login and thus providing much needed support to ensure smooth and effective delivery of classes.

6.2 Strategy Development and Deployment

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

- ❖ *Curriculum Development:* Several faculty members are involved in workshops and seminars conducted by the University of Delhi, NCERT, ILLI, 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.

<p>❖ <i>Human Resource Management</i>: 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.</p>
<p>❖ <i>Industry Interaction / Collaboration</i>: 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.</p>
<p>❖ <i>Admission of Students</i>: 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.</p>
<p>6.2.2 : Implementation of e-governance in areas of operations:</p>
<p>❖ <i>Planning and Development</i>: 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.</p>
<p>❖ <i>Administration</i>: 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.</p>
<p>❖ <i>Finance and Accounts</i>: Payments are received and made by NEFT for fees, cash prizes etc. All accounts are computerised and updated whenever required.</p>
<p>❖ <i>Student Admission and Support</i>: 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.</p>
<p>❖ <i>Examination</i>: 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.</p>

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					
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	
2019	Dr. Monika Tomar	10 th International Conference on Materials for Advanced Technologies (ICMAT) 2019	NA	Rs. 99,000	
2019	Dr. Pratibha Sharma	International Conference on "Reducing Suffering During Armed Conflict: The Interface Between Buddhism and International Humanitarian Law" organized by ICRC, Geneva at Dambulla, Srilanka on 04-06 September,2019.	International Committee of Red Cross, Geneva	Entire visit to Srilanka, Travel, Stay and Food.	
2019	Dr. Pratibha Sharma	International Conference on "Reducing Suffering During Armed Conflict: The Interface Between Buddhism and International Humanitarian Law" organized by ICRC, Geneva at Dambulla, Srilanka on 04-06 September,2019.	International Committee of Red Cross, Geneva	Entire visit to Srilanka, Travel, Stay and Food.	
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)
2019	IQAC Workshop for promotion and retirement benefits	IQAC Workshop for promotion and retirement benefits	28.08.2019	87	14
2019		Workshop started with a special session on Feeding of Public Finance Management System (PFMS) Data entry on the University Grants Commission (UGC) Portal	24.04.2019 to 25.04.2019		6

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	Number of teachers who attended	Date and Duration (from – to)
One week workshop on MOOC's, e-content Development and Open Education Resources organized by Jamia Milia Islamia,	01	25.02.2019 to 02.03.2019
Refresher Course organized by CPDHE, DU	01	31.05.2019 to 14.06.2019
Faculty Development Programme organized by Mahatma Hansraj Faculty Development Centre and Development of Mathematics, Hansraj College, DU	01	20.06.2019 to 26.06.2019
Workshops on MOOC's E-Content Development and open Educational Resources organized by CPDHE, DU	01	12.07.2019 to 18.07.2019
Refresher Course organized by Jawahar Lal Nehru, University.	03	15.07.2019 to 26.07.2019
Refresher Course organized by HRDC, Himachal Pardesh University, Shimla.	01	22.07.2019 to 03.08.2019
FDP12 – Biomathematics organized at Shivaji college, DU	01	01.08.2019 to 07.08.2019
Refresher Course organized by Jawahar Lal Nehru University	02	19.08.2019 to 30.08.2019
FDP organized by Mahatma Hansraj Faculty Development Centre, Hansraj College in Collaboration with Mata Sundri College for Women, DU	01	07.10.2019 to 12.10.2019
Refresher Course in Global Studies (interdisciplinary) organized by Jawahar Lal Nehru University	01	18.11.2019 to 30.11.2019
Refresher Course in Contemporary Studies (Natural and Social Science) (Interdisciplinary) organized by Jawahar Lal Nehru University	01	09.12.2019 to 21.12.2019
Short Term Course in Community Participation and Outreach Programme being organized Jawaharlal Nehru University.	01	09.12.2019 to 14.12.2019
FDP Recent Trends in Research Methodology, E-Content, Mathematical and Statistical Methods in Open Education World organized by Mahatma Hansraj Faculty Development Centre, Hansraj College in Collaboration with Kalindi College, DU.	04	17.12.2019 to 23.12.2019
Refresher Course in Teacher Education organized by Human Resource Development Centre, Jamia Milia Islamia, New Delhi	01	01.01.2020 to 14.01.2020
Orientation Programme organized by Human Resource Development Centre, Jawahar Lal Nehru University	02	06.01.2020 to 25.01.2020
Short-term Course on Gender Sensitization at CPDHE, DU	01	13.02.2020 to 19.02.2020
Cooperative Learning Pedagogy developed under the UNESCO's OE4BW (Online mentoring Program-2019, organized by GHG Khalsa College of Education, GurusarSadhar, Punjab (India) through mookit.co	01	22.5.2020 to 18.6.2020

Faculty development programme titled-Environmental Impacts of Covid-19 Pandemic: Challenges and Future Research” Organized by University School of Environment Management, Guru Gobind Singh Indraprastha University	01	27.05.2020 to 01.06.2020
Environmental Impacts of COVID-19 Pandemic: Challenges and Future Research (Faculty Development Program organized by University School of Environment Management, Guru Gobind Singh Indraprastha University)	05	27.5.2020 to 1.6.2020

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime/temporary
132	59	73	35

6.3.5 Welfare schemes for

Teaching	Non Teaching	Students
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)

Yes, the college conducts internal and external audits regularly. The college prepares the Annual Accounts after ending of the financial year on 31 March every year according to the guidelines of the University of Delhi.

Audit is a systematic and independent examination and evaluation of accounts, documents, books and vouchers. The college conducts both internal and external audit of Annual Accounts. The internal audit gives us advice regarding how to improve the execution of the work and responsibilities, like (i) control and

governance of process and management (financial and administrative), and (ii) proper physical verification of assets (movable and fixed.).
The external audit is conducted by the Office of the Director General of Audit, Central Expenditure, Government of India. They check and confirm the Annual Accounts. The various elements are properly evaluated, measured and presented with sufficient disclosure (papers/documents).

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
The Bill & Melinda Gates Foundation--The Global Health Travel Award	US \$ 2862 @ Rs. 78 = Rs. 2,23,236	To attend The Keystone Symposia on Tuberculosis in USA

6.4.2 Total corpus fund generated
Principal's Fund for Needy Students Rs. 1,97,010
Donors Corpus amount Rs. 4,80,000
Total Rs. 6,77,010

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)

- Workshop for promotion and retirement benefits on 28.08.2019
- Workshop on Public Finance Management System (PFMS) Data entry on the University Grants Commission (UGC) Portal.
- Zoom training for non-teaching staff in March 2020.

6.5.4 Post Accreditation initiative(s) (mention at least three)

- Policy Centre and Gender Lab
- MH Archiving Project
- UBA Community Outreach Project

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

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-- ---to-----)	Number of Participants
2019	Workshop on Public Finance Management System (PFMS) Data entry on the University Grants Commission (UGC) Portal	24.04.2019 to 25.04.2019	24.04.2019 to 25.04.2019	6
2019	Workshop for promotion and retirement benefits	28.08.2019	28.08.2019	97

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
GUMAAN	4 to 5 September 2019	50+	
Girl Force: Unscripted and Unstoppable	22 October 2019	80+	10+
One Billion Rising	12 November 2019	200+	25+
Talk on “Climate Change and Gender”	14 November 2019	35+	
Discussion on Nirbhaya Case and Women Safety	17 January 2020	400+	10+
Session on “Rape Culture-Normalisation of Sexual Assault and Harassments”	20 February 2020	45+	
Street play titled “Atyaachar Devi Ki Leelayein”	4 March 2020	40+	
Panel Discussion “Pathway to women in politics”	6 February 2020	30+	
Screening of the movie THAPPAD	28 February 2020	500+	250+
Webinar titled “Gender in the Times of Covid-19 and the Impact of Covid- 19 on global consumer”	30 April 2020	50+	15+
Webinar titled “ Gendered spaces in lockdown”	4 May 2020	40+	
Webinar on "Cyber Crime Against Women"	8 May 2020	35+	
Girl Child Education (Rose Udaan Home, Kamla Nagar, New Delhi)	June 2019 to January 2020	16	
Girl Child Day Walkathon	24 January 2020	42	

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*. The NSS unit of the College also actively participates in these efforts. From time to time,

departments and other student groups also join in. Miranda House has an on-going collaboration with WWF-India for the project ECHO 2020 on Sustainable Development.

Towards a Zero-waste College Campus: A Solid Waste Management System has been set up through several initiatives and innovation projects. MH Vatavaran volunteers along with NSS 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. Currently, MH Vatavaran volunteers are collaborating with a students' group which calls itself *Change in Range* to increase the efficiency of Solid Waste Management in Miranda House.

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*. 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.

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 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.

Management of Plastic Waste: 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. The drive 'Single-Use Plastic Free Miranda' was conducted by MH Vatavaran in association with the Department of Geography and the E-cell of Miranda House in September 2019. During the drive, volunteers encouraged students to minimize the use of single-use plastic wherever possible. An awareness drive was carried out about the adverse environmental effects of single-use plastic and the alternatives that are available. A signature campaign was also conducted. A google form was circulated for the same and around one thousand students filled up the form. An anti-plastic campaign, #IAmAgainstPlastic, was organised, under which, 'Carry Your Own Cup' was a drive in which all members of the MH community – students, faculty and non-teaching staff – were requested to carry their own cups so that they do not need to use plastic cups. More than one thousand people, including students, teachers and non-teaching staff, participated in the campaign.

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.
- 40 Solar Street Lights have been installed in the College compound.
 - (i) 20 Solar Photovoltaic (SPV) Street Lights of capacity 20 Wp were installed in January 2013, facilitated by KPMG Foundation under their CSR project.
 - (ii) In addition, 20 Solar Street Lights were installed in January 2008 under a MoU with M/s Sonen for installation and maintenance of the luminaires.
- 7 kWp Grid Connected Roof Top Solar Photo Voltaic Power Plant was installed using the funds received under DU Star Innovation Project 3R: *Reduce, Reuse, Recycle*. The plant 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.

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
2019	05	08		Unnat Bharat Abhiyan		Total for all projects 200
				Project Sadbhawna	Helping orphan children and senior citizens	
				Swacchta Pakhwada	Personal and Community Cleanliness	
				COVID-19 awareness	Mask, food & soap distribution	
				Project Zaffran (Johripur, Bhati Kalan, Khari Baoli)	Livelihood issues of some local communities have been addressed through these projects	
				Project Ikhtiyaar (Lok Kalyan Setu)		
				Project Dhreya (Punjab, Haryana and Uttar Pradesh, Sonapat, Haryana)		
				Project Jazba Project Inara (Madrasi Basti)		
				Project Tarang (Govindpuri and Dhaula Kuan)		
				Project Dhreya (Diaries) (NIFT)		

			Delhi)	
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 2019-2020	Uploaded on the college website in April 2019	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 2019-2020	Uploaded on the college website in May 2019	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	
	Anti-Litter Drive in association with NSS in the surrounding areas of Miranda House, including the Vishwavidyalay Metro Station	13 September 2019	25	
	Anti-Litter Drive in association with NSS in the Miranda House campus	27 September 2019	45	
	'Single-Use Plastic Free Miranda' drive in association with the Department of Geography and the E-cell of Miranda House	September 2019	1000	
	'Food Challenge' with NET IMPACT Delhi University to discuss sustainable solutions to important issues in food and agriculture	28 January 2020	30	
	'Sustainability Week' including Nature Walk, Bird Count and <i>Save Petroleum</i> Walkathon in collaboration with HPCL	11-14 February 2020	40	

Participation in webinar on Short Film-making during lockdown	30 May 2020	37
Video-film Making by students regarding environment-friendly activities during lockdown, uploaded on World Environment Day	Uploaded on 5 June 2020	10
Participation in Virtual Earth Conference in online mode during lockdown under MoU with College of Vocational Studies, University of Delhi	5 June 2020	10
Street Play: Public Street Play performance- 'Jal Bata Shunya' at Netaji Subhash Palace Public Street Play performance- 'Jal Bata Shunya' at Vishwavidhyalaya Metro Station Public Street Play performance- 'Jal Bata Shunya' at St. Mark's School, Meerabagh Public Street Play performance – 'Jal Bata Shunya' at National School of Drama Public Street Play performance- 'Jal Bata Shunya' at EOD Adventure Park Public Street Play performance- 'HouseHolds' at Vishwavidhyalaya Metro Station Public Street Play Performance- 'Jal Bata Shunya' at Greater Noida, Market Complex.		

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 have also maintain the luminaires.
- 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 initial cost of installation of the assets will be recoverable in a period of 5 years.

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.

www.mirandahouse.ac.in

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 endeavors would be to strengthen and develop e-content and create digital museums and archives. With the perils of pandemic looming large the response of our institution to the pandemic and the bottlenecks imposed by it was determined, empathetic, systematic and exemplary. In the coming year, we plan to not only perform our duty of educating but also, nurturing, mentoring and parenting distressed students. The efforts would be to further strengthen multiple digital platforms like zoom, google meets, Microsoft teams and cisco webex. Audio visual repositories would be further expanded to provide students with requisite study material and references. Pedagogically, the institution plans to further and structure the 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. Blended classroom with digital devices would be established to smoothen the teaching learning process both in synchronous and asynchronous teaching. 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. Disaster preparedness is another area where college is inclined to create a disaster resilient students. In this venture the college is setting up a Disaster Preparedness Society to give the efforts of developing disaster preparedness skill in a structured manner. In today modern ICT driven world college is also planning to set up and strengthen community radio.

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

The Director

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