

MANAV RACHNA UNIVERSITY

FARIDABAD

Minutes of the Second Quarterly Meeting of the Internal Quality Assurance Cell (IQAC)

Dated: 07.02.2024

Time: 10:30 AM onwards

Venue: CADR, G Block



MANAV RACHNA UNIVERSITY

Proceedings:

Second Quarterly Meeting of the IQAC for the AY 2023-24

The Second Quarterly Meeting of the Internal Quality Assurance Cell (IQAC) for the AY 2023-24 was held on 07.02.2024 (Wednesday) at 10:30 A.M in CADR, G Block under the chairmanship of Hon'ble Vice Chancellor.

The following members were present during the meeting:

1. PS to VC for kind information to Hon'ble Vice Chancellor
2. Prof. Kameshwar Singh, Registrar
3. Prof. Sangita Banga, Pro Vice Chancellor
4. Ms. Shivali, DAV School, Sector-14, Faridabad
5. Ms. Khushi Arora, B.Tech. CSE (Batch2020-24)
6. Ms. Shatakshi, B.Ed. (Batch 2020-22)
7. Prof. Shruti Vashist, Dean Academics
8. Prof. Goldie Gabrani, Dean Engineering & ED and Dean Research
9. Prof. Parul Jhaharia, Dean Management and Commerce
10. Prof. Kanu Priya, Dean Law
11. Prof. Meena Kapahi, Dean Sciences
12. Prof. Geeta Thakur, Dean Students & Welfare
13. Prof. D.K. Sharma, Dean Examination
14. Prof. Manpreet Kaur, HoD Computer Science & Technology
15. Prof. Ajit, HoD Mechanical Engineering
16. Dr. Sandeep Kumar, HoD Sciences
17. Prof. Rashee Singh, HoD Education & Humanities
18. Dr. Charu Pathak, HoD Electronics & Communication Engineering
19. Dr. Prashant Bhardwaj, Associate Professor & Deputy Director IQAC
20. Ms. Vandana Zutshi Bhat, Assistant Professor, Management & Commerce
21. Dr. Savita Sharma, Associate Professor, Education & Humanities
22. Dr. Manoj Kumar, Associate Professor, Computer Science & Technology
23. Prof. Hanu Bhardwaj, Director-CDC, MREI (Special invitee)
24. Prof. Kaveri Sharma, HoD Law (Special invitee)
25. Ms. Shefali Chopra, Deputy Registrar - Academics (Special invitee)
26. Prof. Parneeta Dhaliwal, Director - Innovation & Incubation Cell
27. Mr. Piyush Mahendru, Assistant Professor, Mechanical Engineering (Special invitee)
28. Dr. Niharika Thakur, Associate Professor, Electronics & Communication Engineering (Special invitee)
29. Dr. Ankita Gaur, Assistant Professor, Sciences (Special invitee)
30. Dr. Urmila Pilia, Associate Professor, Computer Science & Technology (Special invitee)
31. Dr. Ananna Bardhan, Assistant Professor, Sciences (Special invitee)
32. Dr. Roopa Rani, Assistant Professor, Sciences (Special invitee)

The following members were present during the meeting:

1. Mr. Atul Kalra, Director - General Manager Administration, MREI
2. Mr. Ajay Kabra, Senior - Director, Global Business Excellence, Xebia, Gurugram
3. Prof.(Dr.) Sandeep Grover, Dean (Institutions) & Dean(Quality Assurance), Professor, Mechanical Engineering, J.C. Bose University of Science & Technology, YMCA Faridabad, Haryana
4. Prof. Tanushree Purohit, Professor & HoD Management & Commerce (Special invitee)
5. Prof. Jyoti Pruthi, Chairman Admissions (Special invitee)


(Prof. Deepa Arora)
Director - IQAC

Opening remarks by the Chairman

The respected Pro-Vice Chancellor extended a warm welcome to all the members and elaborated on the array of initiatives undertaken in diverse domains and offices during the previous semester. Emphasizing the significance of both quality and quantity in academic and administrative pursuits, she underscored the necessity of recognizing this dual aspect. With a shared commitment to excellence, she urged everyone to embark on this journey together.

Agenda items for the meeting are presented as below:

Agenda Item No. 2.2 – Confirmation of the minutes of the First quarterly meeting of the IQAC held on 12.09.2023

Hon'ble members of the committee were informed that **No observations or comments were received by the IQAC office** w.r.t the minutes of the first quarterly meeting of the IQAC held on 12.09.2023 circulated to all the members via email dated 20.10.2023.

The IQAC members verified the minutes and duly recorded them for reference.

Agenda Item No. 2.3 – Action taken report on the decision taken in the First quarterly meeting of the IQAC held on 12.09.2023

Director IQAC presented the action taken report on the decision taken in the First quarterly meeting of the IQAC before the IQAC members. The comprehensive information is outlined below, along with the annexures corresponding to agenda items.

S. No.	Agenda Item	Discussion	Decision	Action Taken
1.	Status update on the Accreditation Process	Ongoing accreditations were briefed. The university is waiting for final communication regarding DVV & PTV. CST dept. has applied for NBA, SAR has been submitted.	The matter was taken on records by IQAC.	The Computer Science & Engineering program at MRU has been accredited by the National Board of Accreditation (NBA) for three years (2023-24 till June 2026).
2.	Academic Progress and Enhancement	a) New programs and their alignments with industry trends were introduced. b) Courses that focused on Employability, Entrepreneurship, and skill enhancement were briefed.	a) The matter was taken on records by the IQAC members. b) The IQAC members took a note of the mentioned information, and the need for substantial and regular monitoring of the academic quality, particularly in	a) No action required. b) Departments are embracing innovative teaching methods to cultivate critical thinking and foster skill based learning, ultimately enhancing students' employability

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		<p>c) & d) VACs and other MOOC certifications were discussed.</p> <p>e) Integration of Technology & Experiential Learning Methods</p> <p>f) Analysis of Feedback and Action Taken Based on Feedback</p>	<p>relation to the imparting of industry-relevant skills to the students was emphasized.</p> <p>c) It was suggested to include more unique and interdisciplinary VACs.</p> <p>d) The IQAC members acknowledged the same.</p> <p>e) The IQAC members recognized the necessity to provide training for all faculty members to enable them to embrace and excel in innovative pedagogies especially use of IT tools and PBL. Furthermore, they emphasized the need to monitor the innovative pedagogy employed by the departments, ensuring alignment with the guidelines of the National Education Policy (NEP) 2020.</p> <p>f) There was a consensus that enhancing the feedback mechanism</p>	<p>and entrepreneurship skills. Project-based learning is also being integrated across various academic disciplines. The same was monitored during the academic audits and emphasis was laid on proper documentation.</p> <p>c) In the academic session 2023-24 30 VAC courses were introduced and out of these 26 were newly added. A central channel was made available to the students to promote interdisciplinary VAC's registration.</p> <p>d) NA</p> <p>e) (i) Workshop on Project Based Learning was organized on 12th & 13th December 2023 with an objective to make faculty understand the principles and implementation of PBL in their courses.</p> <p>(ii) The newly appointed faculty members received thorough orientation and training on incorporating innovative teaching methods into their</p>
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			with employers through the CRC is imperative. It was suggested that a meetings with the CRC be arranged to enhance communication and collaboration in this regard.	course delivery during the Faculty Orientation Program from 5th Aug - 30th Sep'23. The implementation of these innovative pedagogies was monitored and reported during the Academic Audit. f) Same is being coordinated with the Director CRC office.
3.	Research & Innovation Activities	Faculty and student publications, both in Journals and conferences were summarized. An update was provided on Patents filed, published, and granted. Technical and research-oriented events were summarized.	The departments were requested to share the information regarding the students' publications. Additionally, the departments were encouraged to submit more proposals for seed money to support their Initiatives.	Dean Research Office & Departments were informed and needful is done. Annexure 2.3a The faculty members are sensitized and motivated to submit proposals for seed money through the Dean Research office. Number of seed money proposals 2022-23: 06 2023-24: 08 (till date) Annexure 2.3b
4.	Student Welfare Activities	The status of student welfare activities and achievements in cultural & sports events/activities during the AY 2022-23 was updated and apprised.	It was suggested to implement a fortnightly student activities report to ensure consistent and effective monitoring of these Initiatives.	NAAC Benchmarks have been shared with the DSW office which are monitored monthly. Also, DSW office publishes monthly newsletters showcasing the report of such activities. Annexure 2.3 c

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5.	Student Progression	The status of student placement and progression to higher studies for the AY 2022-23 was presented.	It was suggested to develop a mechanism to collect the updated student progression data of the graduating batch at the time of convocation.	Placement and Higher studies data along with proof were collected at the registration desk during the Convocation held on 28th October 2023 as per the guidelines shared by CRC. Alumni coordinators within departments are also actively engaged in ensuring these initiatives are upheld
6.	Faculty Professional Development Initiatives and Recognitions	An overview of the professional development initiatives undertaken throughout the AY 2022-23 was provided.	The IQAC members noted the same.	No action required
7.	Examination Result and Grievance Report	Report of the examination results for the academic year 2022-23 and summary of any grievances or concerns raised and addressed regarding examination processes were discussed.	<p>It was taken on record the year-wise tracking of the academic progression of each batch to facilitate improved comparative analysis.</p> <p>It was suggested to emphasize the importance of maintaining the quality of examination question papers, including the practice of sourcing approximately 50% of question papers from external experts.</p>	<p>a) Comparative result analysis for Integrated B.Sc. B.Ed. program for the batch 2019-23 is annexed for review & suggestions. Annexure 2.3c</p> <p>b) 36 Examination papers were sent to the External examiners for end term examination out of which 13 papers were received.</p>

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8.	To Apprise the status of the Extension & Outreach activities along with the MRCPS Initiatives for the AY 2022-23	The status of Extension & outreach activities was updated. The initiatives undertaken by MRCPS were discussed.	The DSW office was advised to update the data and include some of the events like Sustanathon conducted by MRU.	The complete list of events has been updated by the MRCPS office. Annexure 2.3d
9.	Environment, Energy and Green Audits and ISO Certifications	IQAC members were apprised about the Environment, Green, and Energy Audit including key areas, strengths, and areas needing improvement.	The coordinators were advised to prepare for the next cycle of Environment, Energy and Green Audits due this year. ISO Certifications in Environment, Energy, and Quality Management systems were discussed.	<p>a) The Environment, Energy and Green Audits were conducted successfully on 16th Jan 2024 by EHS alliance Pvt. Ltd. The reports of this audit are awaited and the suggestions made by them will be implemented in the upcoming academic session.</p> <p>b) The First surveillance of ISO Certifications in Environment, Energy, and Quality Management was conducted and certificates have been received.</p> <p>Annexure 2.3e</p>
10.	Academic Audit Proforma	The academic audit proforma was presented.	A suggestion was made to include specific dates and agenda Item numbers related to the understanding of academic bodies of the University, details on awarded PhDs, funding	a) The departments were instructed about the inclusion of the specific dates and agenda Item numbers related to the understanding of academic bodies of the University, and the same was incorporated

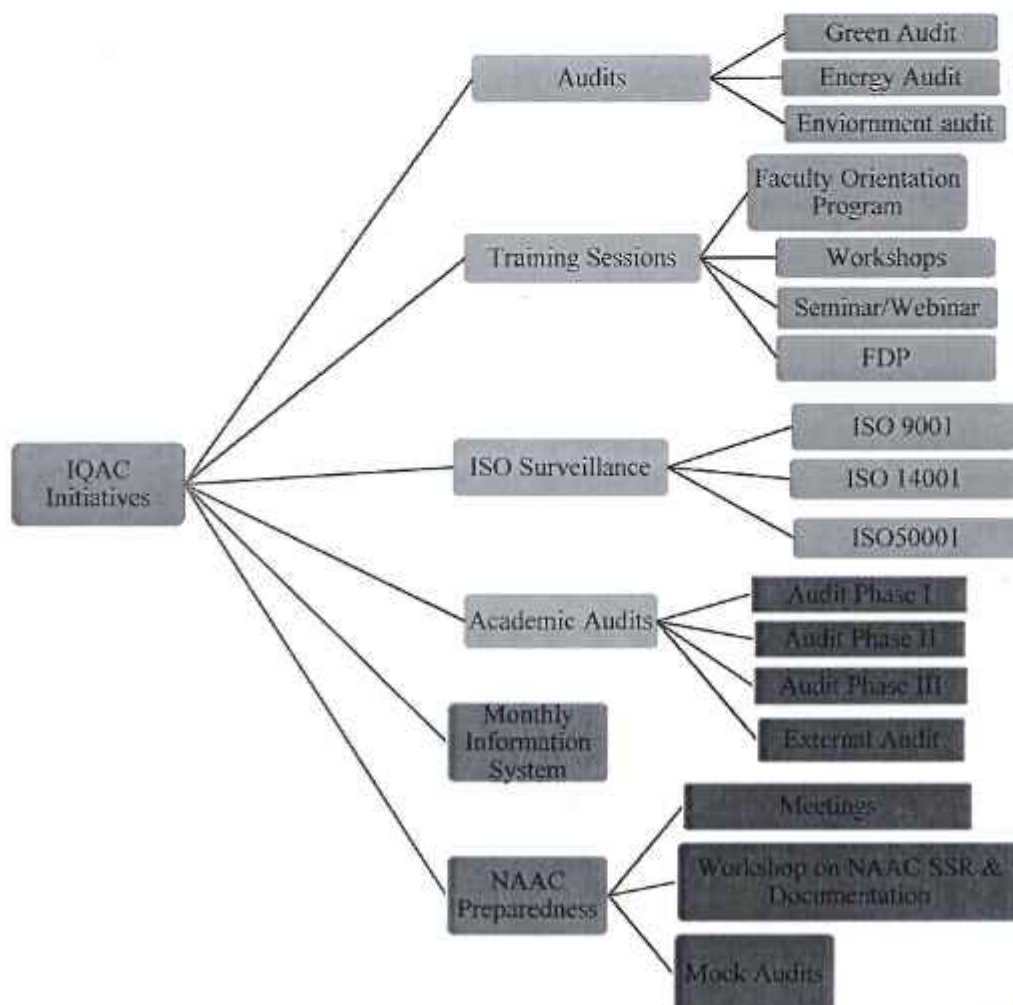


			Information, Memoranda of (MoUs) signed, and collaborative activities in each department for comprehensive documentation.	in the Academic Audit form. b) Rest required details as suggested by the members are documented monthly in the respective monthly information sheets.
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The IQAC members acknowledged the action taken report with satisfaction. They recommended that the DSW office prioritize collaboration with NSS for student activities, as it aligns with NAAC requirements. Additionally, they advised using comparative result analysis percentages instead of numbers for clarity and effectiveness.

Agenda Item No. 2.4 - Overview of the Quality Initiatives Implemented by IQAC for the session July-Dec 2023

The Internal Quality Assurance Cell (IQAC) presented the following report detailing the systematic execution of quality enhancement procedures undertaken for the session July-Dec 2023.



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The details for the various initiatives taken by the IQAC are given below:

- **Academic Audits:** Three Internal Academic Audits by IQAC & one External Academic audit by Prof. (Dr.) Sandeep Grover, Dean (Institutions) & Dean(Quality Assurance), Professor, Mechanical Engineering, J.C. Bose University of Science & Technology, YMCA Faridabad, Haryana.
- **Energy Environment & Green Audit:** The second cycle of Energy Environment & Green Audits were conducted successfully by EHS Alliance Pvt. Ltd. on 16th January 2024. The observations & recommendations have been recorded for further action & review. The reports are awaited.
- **ISO Surveillance:** ISO Surveillance was conducted successfully for ISO 9001:2015, ISO 14001:2015, ISO 50001:2018. Observations for improvement were shared.
- **Monthly Information System:** Monthly Report format as per NAAC requirements & benchmarks have been introduced and implemented for all Departments & Offices from December 2023 onwards. The data is collated, compiled and vetted by the IQAC working committee.
- **Faculty Orientation Program:** Comprehensive Faculty orientation program has been organized for newly appointed faculty members 5th August 2023 to 30th September, 2023 to equip them with awareness of the academic policies, teaching learning and evaluation methods etc.
- **Workshops & FDP organized:**
 - ❖ Training Workshop for academic audit: Guidelines and outcomes targeted, conducted on 10th August 2023.
 - ❖ An Online seminar on Quality Education and role of accreditations organized on 31st August 2023.
 - ❖ Workshop on Basics of Research and Paper Writing in collaboration with SoEd, held on 07th October 2023.
 - ❖ Workshop on Assessment of Learning Disability in collaboration with SoEd, conducted on 07th October 2023.
 - ❖ A Session on Fundamentals of Designing Course Outcomes was organized on 12th October 2023.
 - ❖ A workshop on Sustaining Our Future: Quality, Ethics and Solid Waste Solutions was conducted on 26th October 2023.
 - ❖ Training on Maintaining Quality processes in Hygiene and Sanitation organized on 26th October 2023.
- **Trainings for the IQAC members**
 - ❖ 3rd National Level Workshop - Transformation through NAAC Accreditation Process organized by Institute for Academic Excellence (IAE) on 30th & 31st October 2023.
 - ❖ 5th National Level Workshop - NIRF India Rankings 2024 organized by Institute for Academic Excellence (IAE) on 13th & 14th December 2023.
- **Initiative for NAAC preparedness**
 - ❖ Review meeting with all HoD's and Deans briefing them with the submitted SSR and DVV on 29th July, 2023



- ❖ Session on NAAC preparedness for all HoD's and Deans on 4th October, 2023.
- ❖ Sessions on Assessment & Reflection: Enhancing Institutional practices for NAAC Accreditation from 10th-19th October, 2023.
- ❖ NAAC Mock Visits conducted for all departments and offices from 20th to 30th November, 2023. **Annexure 2.4.**

The IQAC members recorded the activities and commended the dedication of the IQAC team to quality initiatives, urging them to persevere in their efforts.

Agenda Item No. 2.5 - Review of the Academic Audit report for the session July-Dec 2023.

The members were detailed about the execution process and outcomes of the Academic Audit conducted by IQAC. It was reported that the Academic Audit at the university consisted of a thorough three-phase internal audit carried out by internal academic auditors, followed by an external audit. The academic audit Review- I was conducted in August 2023 to gauge the academic preparedness of the faculty members and the departments. The ERP registrations, course plans, course assessment plans, course materials, and pedagogical approaches to be adopted by faculty members were reviewed. The second academic audit review conducted in October 2023, post-mid-semester, focused on monitoring continuous assessments implemented against the faculty-submitted Course Assessment Plans (CAPs), Attendance analysis, Feedback analysis, Mid-Term marks analysis, Action taken reports and other relevant data required in the academic audit form. The third academic audit review, conducted in January 2024 after the semester's completion, involved a thorough examination of complete course files, end semester marks analysis, and assessments of slow and fast learner progress, including action taken reports and impact analysis.

Further members were informed about the external audit scheduled on February 3, 2024, with Prof. (Dr.) Sandeep Grover, Dean of Institutions, J.C. Bose University of Science & Technology, YMCA, Faridabad, serving as the external auditor. The audit encompassed review of the academic audit forms followed by comprehensive review of files related to course files, CO-PO attainment data, different pedagogies, internal evaluation, experiential learning, industrial visits, industrial training, program booklets, departmental meeting records, MOOC, assignments, video lectures and lab stock. Recommendations and observations from the external audit were communicated to departments for integration into future semesters, ensuring ongoing improvement in academic processes and quality.

The members conveyed their appreciation for the IQAC's efforts and underscored the importance of conducting comprehensive academic audits to ensure compliance with standards and regulations, enhance the quality of education and research, promote transparency and accountability, and ultimately, contribute to the overall improvement of academic excellence and integrity.

Agenda Item No. 2.6 - Admission status report of AY 2023-24 and enrolment ratio

The admission data for both 2022-23 and 2023-24 was presented. It was submitted that in the academic year 2022-23 and 2023-24, a total of 968 and 1038 seats were sanctioned respectively under different programs. In which, a total of 756 and 808 students were admitted respectively under various programs offered by the University leading an enrolment percentage of 78 in both academic years (2022-23 and 2023-24).



Enrolment percentage for AY 2022-23 and 2023-24

Academic Year	Total Number of Sanctioned seats	Total number of enrolled students	Enrolment percentage
2022-2023	968	756	78
2023-2024	1038	808	78

The members took the information on records.

Agenda Item No. 2.7- Quality Initiatives implemented at the university level concerning Teaching, Learning, and Evaluation during the session July-Dec 2023

The members were informed about the implementation of variety of pedagogical approaches and integration of technology in teaching learning process across the University. Dean Academics emphasised that through techniques like project-based learning, cooperative and active learning, flipped classrooms, experiential learning, case-based teaching and peer-to-peer learning, an enhancement of the overall educational experience was aimed and witnessed. The approaches not only adopted a comprehensive understanding of the course but also promised significant outcomes like students' preparation with both theoretical knowledge and practical skills relevant to their respective fields, exposure to real-world situations, development of critical thinking skills and improved decision making capacity

A summary of the activities along with a detailed report is annexed as **Annexure 2.7**.



The efforts of the faculty members in deploying innovative ideas were acknowledged by the IQAC members. It was suggested that feedback for PBL courses be obtained separately, as well as for topics employing different pedagogical approaches. Emphasis was placed on displaying information regarding pedagogies on the website, including a list of problems and projects used in PBL along with their outcomes. Additionally, consideration was given to the inclusion of LinkedIn Learning Courses in interactive pedagogies.

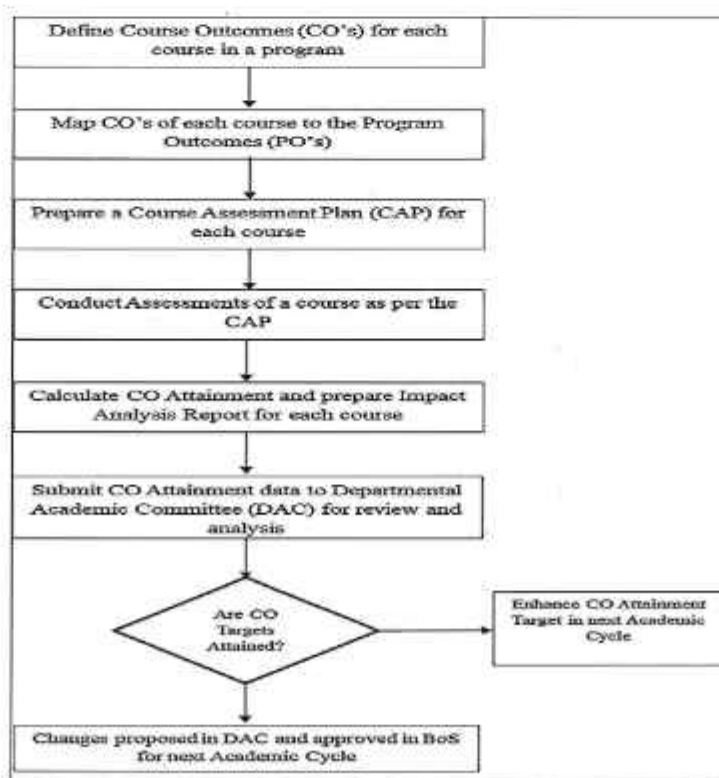
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Agenda Item No. 2.8 – Report on the Course Outcomes (CO) assessment process in accordance with Bloom's Taxonomy

Dean Academics apprised the members about the course outcome assessment process implemented within the University, aimed at enhancing overall quality of the educational experience. The following key points were highlighted:

- Drafting of Outcome-Based Education (OBE) Manual:** Departments have drafted an OBE manual, incorporating a consolidated report mapping both course and program outcomes for the entire 2023 pass-out batch. Sample reports from both direct and indirect assessments through the ERP system were presented.
- Review and Update of Departmental Course Outcomes:** The office of Dean Academics reviewed and updated departmental course outcomes for the session Jan-June 2024. Specific initiatives were undertaken including Creating comprehensive Course Outcome statements, Integrating Bloom's Taxonomy action verbs into formulation for enriched learning objectives, Designing separate Course Outcomes for theory and lab courses, Aligning Course Outcomes and Program Outcomes at the highest level (3) for comprehensive connection.
- Workshops and Training conducted:** IQAC, in collaboration with the Dean Academics Office, organized workshops including the "Fundamentals of Designing Course Outcome" and "CO-PO Attainment Calculations" to equip faculty members with CO-PO mapping and attainment.
- Study of Phase-wise Attainment for July-Dec 2023:** Differentiated actions were taken based on students' levels of understanding. For students with low understanding: Question banks, additional assignments, and extra classes were provided. For quick learners: Emphasis on project work, opportunities for publishing papers, and encouragement for certification courses. A comprehensive impact analysis was conducted, paving the way for necessary actions to be implemented in preparation for upcoming batches.

Process Flow:



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The IQAC members acknowledged the Dean Academics office for the robust Course Outcome assessment process. It was suggested to implement the necessary actions identified through the impact analysis and continuously monitor the CO assessment process for the on-going improvement.

Agenda Item No. 2.9 - Report of the Value-Added Courses offered for the holistic development of the students during the session July-Dec 2023

The IQAC members were apprised about the opportunities offered to the students with a focus on enhancing specific skills and knowledge beyond the regular curriculum with the goal of fostering interdisciplinary engagement through Value added courses. In this regard, a central registration link was introduced during the odd semester for VAC enrolment. The initiative aimed to encourage students from various departments to participate in value-added courses extending beyond their core disciplines. It was informed that the courses such as Introduction to Electric Vehicle, Understanding of Data Science using Python, and First-time Managers had a mixed audience. It was further notified that in the current semester, students specializing in computer science and technology have chosen courses from the Law department, showcasing a cross-disciplinary interest.

The Summary of Value Added Courses offered in the Odd semester for the Academic session 2023-24 is presented below and annexed as **Annexure 2.9**.

S.No.	Academic Year	Total No. of VAC offered	No. of new VAC courses introduced	No. of students enrolled	% age of students enrolled
1	2023-2024 (Odd Semester)	30	26	1101	45.87%

The IQAC members suggested to hold VAC presentations akin to elective presentations from next academic year, followed by registration through the ERP system so as to result in a significant increase in interdisciplinary enrolment rates.

Agenda Item No. 2.10 - Report of Mentoring system for the session July-Dec 2023.

In the academic session July-Dec 2023, 115 faculty members were assigned the responsibility of mentorship. Each mentor was allotted a maximum 20 mentees. The mentors conducted the meetings as per the schedule in the class time table, identified the academic, social and personal needs/ issues of the mentees and took necessary actions to resolve the same.

A comprehensive report of the minutes of Mentor - Mentee meetings and Action taken is annexed as **Annexure 2.10**.

The members recognized the dedication of the mentors, and the esteemed Pro-VC, MRU requested prompt action on medical or special attendance cases to ensure that the list of students facing detention can be formulated immediately after the semester concludes, without any delay.



Agenda Item No. 2.11 – Report on the activities conducted by various departments, clubs and committees for the session July-Dec 2023

The student activities organized by the departments, clubs, and committees were showcased before the members. It was informed that the activities were designed to equip students with both technical and soft skills essential for their holistic development and aligned with the specific requirements of their respective domains.

- 12 sessions for career counselling and 13 sessions for awareness of trends in technology annexed in **Annexure 2.11a by the departments were reported.**
- For enhancement of the technical skills, various workshops and seminars as conducted by different clubs and cells of the University are summarized below:

Sl. No.	Name of the workshop/ seminar	No of Participants	Date From – To
Intellectual Property Rights Cell (IPR)			
1	One-Day Workshop on “Youth and IPR: for a Better Future”	150	21-07-23
2	One Day Awareness Programme by NIPAM	59	16-11-23
Entrepreneurship Cell			
1	E-Tak Webinar	100+	09-09-23
2	Business Simulation Workshop	59	18-09-23
Research Cluster for Computing (RCC)			
1	Arduino & Robotics Workshop	30	6-11-23 to 7-11-23
2	InnoCyber Mastery - Bridging Skills and Innovation	42	11-09-23 to 15-09-23
Innovation and Incubation Cell (IIC)			
1	Workshop on ATV Design and Fabrication	10	31-10-23
2	workshop on Industry 4.0	10	27-10-23
Institutional Social Responsibility (ISR)			
1	Workshop on First Aid and CPR training by Sarvodya team	300	24-08-23
2	Blood Donation awareness Nukkad Natak	100+	05-09-23
3	Blood Donation awareness Nukkad Natak	200	14-09-23
4	World Environment Day at Moujpur Village	20	01.09.2023
5	Village visit for 1st year students(MRU) on 15th October 2023	28	15.10.2023
6	Donation drive for old books and clothes- collection drive from university	10	23-11-23

- Department of Student Welfare and Manav Rachna Centre for Peace and Sustainability organized **19 Cultural Events/Competitions; 09 Life/Soft Skills Events and 02 Sports Events** annexed as **Annexure 2.11b.**

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- **08 impactful sessions were conducted by Career Development Centre (CDC)** particularly designed to equip students with the necessary tools and insights for a successful professional journey focussing majorly on improving the soft skills and preparing them for other competitive examinations. CDC Activity Calendar for the session Jan-June 2024 is annexed as **Annexure- 2.11c**.

The members took on records the events conducted. The need for sessions on preparation for competitive examination was suggested.

Agenda Item No. 2.12 – To apprise the status of Research accomplishments and Professional Development programs conducted for the session July-Dec 2023

The details of various accomplishments along with PDPs organised was presented before the members.

- **Professional Development Programs and Conferences organized**

The members were informed about the skill enhancement initiatives undertaken for the faculty members, through regular FDP/Conferences in collaboration with other institutions and Professional bodies as listed below:

School	Department	FDP/Conferences	Duration
School of Engineering	Computer Science and Technology	FDP on "Internet of Things" organized by CST, MRU in collaboration with ICT Academy	28-11-2023 to 02-12-2023
School of Engineering	Electronics and Communication Engineering	FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023
School of Education	Education & Humanities	FDP on "Pedagogical Interventions in the light of education policy 2020", collaboration with IQAC Cell, MRU	09-10-2023 to 14-10-2023
School of Engineering	Mechanical Engineering	STP on "Sustainable Development Goals: Challenges and Opportunities" organized by MRU in collaboration with NITTTR, Chandigarh	21-08-2023 to 25-08-2023
School of Sciences	Sciences	International Conference on Energy Materials and Rechargeable Batteries- 2023, MRU	19-12-2023 to 22-12-2023

The matter was taken on records and all the departments were advised to actively organise more and more sessions and at least one conference per school every year.

- **Faculty Development Programs attended by the faculty members**

For the skill enhancement and personal growth, the faculty members had been attending and participating in various FDPs/STP/Orientation/Refresher courses. Data of 72 Faculty members who have attended the same during the AY 2023-24(July-December 2023) was presented and is annexed as **Annexure 2.12a**

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The members took the information on record. It was strongly advised that 100% participation of faculty members must be ensured through either of the above mentioned programs.

- Financial Support provided to the Faculty members**

In the AY 2023-24 till date a total of 23 Faculty members and 33 students have taken the financial support for the FDP/conferences/workshops. Department wise details were presented before the members. The detailed list is annexed as **Annexure 2.12b**

DEPARTMENT	Financial Support Taken by Faculty	Financial Support Taken by Student
CST	13	29
ECE	1	NIL
ME	3	NIL
SCIENCES	2	2
MANAGEMENT	2	NIL
EDUCATION	0	NIL
LAW	2	2

The members advised to encourage faculty members to make the best use of the resources for their technical growth.

- Details of Patents Published/Granted (Annexure 2.12c)**

In the Academic Year 2023-24 till date, information about the 8 Design Patents and 6 published patents was presented.

Schools	Department	Published	Filed Patent	Design Patent	Granted Patent
School of Management	DMC	1	0	3	NIL
School of Engineering	CSE	0	0	0	
	ECE	1	0	5	
	ME	1	0	0	
School of Sciences	Sciences	3	0	0	
School of Education	Education	0	0	0	
School of Law	Law	0	0	0	

The members advised the Dean Research Office to look for measures and initiatives to target at least 1 patent per department to enhance the Research visibility & Credibility at MRU.



- **Journal, Book Chapters and Conference publications**

Data of 62 publications majorly in SCI and Scopus indexed journals during July -Dec 2023 was presented. The school wise details are as follows:

Schools	Department	Publication in Journals
School of Management	DMC	3
School of Engineering	CST	11
	ECE	1
	ME	8
School of Sciences	Sciences	23
School of Education	Education	8
School of Law	Law	4

Number of Books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during July -Dec 2023 : 65

Schools	Department	Books and chapters in edited volumes / books published, and papers in national/international conference-proceedings
School of Management	DMC	15
School of Engineering	CSE	16
	ECE	7
	ME	3
School of Sciences	Sciences	3
School of Education	Education	2
School of Law	Law	19

The members documented the matter of information and recommended Dean Research office & Departments to further strengthen the strategies to meet the NAAC benchmarks for publications.

- **Details of active MoUs & Activities**

It was informed that, at present, thirty MOUs (Memorandums of Understanding) are active. Details of activities conducted are annexed as **Annexure 2.12d**.

The members reviewed the recorded information and proposed scheduling regular activities for each Memorandum of Understanding (MoU) to maintain its active status.



- **Research/Innovation Awards : Total 10 awards/ recognitions reported for AY 2023-24.**

Sl. No.	Dept.	Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details
Teacher				
1	SMC	Shiksha Ratan Samman	Dr. Yogita Sharma	Prithvi Abhyudya Educators Association Private Limited
2	SMC	Best research paper recognition	Mr Neeraj Chopra	J.C. Bose University of Science and Technology YMCA
3	CST	Best India Research Award 2023	Dr. Shalu Singh	World Intellectual Property Rights Conclave
Student				
1	CST	J.K Pal Memorial award	Khushi Kathuria	IEEE MRU
2	CST	Outstanding Student Volunteer Award	Khushi Arora	IEEE MRU
3	CST	Outstanding WIE Student Volunteer Award	Charu Goyal	IEEE MRU
4	CST	3rd position in IDEATHON 2023(Theme- Health and Well Being)	Harsh, Rishav, Avdhesh	J. C Bose University of Science and Technology YMCA
5	CST	2nd position in InnovaThon 2023	Tejas Singh, Vansh Aggarwal, Ayush Sachdeva and Kartik Dargan	Amity University, Gurugram
6	CST	Awarded as UI/UX Designer intern	Ms. Charu Goya	GEMS Program organized by IEEE Delhi,
7	CST	Best Internship in Google with Internship In Google Monthly Stipend Rs. 1.14 Lakhs	Ashwani Soni	Google

The information was taken on records.

Agenda Item No. 2.13 – Information about the First surveillance of ISO certifications

The members were apprised about the First **surveillance of ISO certifications** conducted successfully for ISO 9001:2015, ISO 14001:2015, ISO 50001:2018 in December 2023. Observations for improvement were shared before the committee.



The members took the matter on records and suggested to plan and execute for the fulfilment of the requirements.

Agenda Item No. 2.14 – Presentation and Discussion of findings from the Green, Environment & Energy Audit conducted by EHS Alliance.

The members were informed about the second cycle of Energy Environment & Green Audits conducted successfully by EHS Alliance Pvt. Ltd. on 16th January 2024. The observations & recommendations were shared for further action & review. It was told that the main emphasis was on securing certifications/awards for MRU for various initiatives including Zero Waste, Green Campus, and Cleanliness certifications, along with the prestigious Golden Peacock Award. Other recommendations included conservation of water by utilizing water meter data in dining facilities, adopting water-saving practices, employing dishwashers with less froth detergent, and implementing a food waste policy to minimize food waste. Additionally, suggestions were given to utilize biogas composters for food waste management.

The members discussed the observations & recommendations made and advised to plan & adopt measures in the best possible manner.

Agenda Item No. 2.15 – Preparation status for NAAC.

The members were informed about the efforts and initiatives undertaken by the team IQAC to boost NAAC preparedness through sessions on preparation of NAAC documentation and presentation for Deans, Heads and faculty members, academic audits and mock visits, regular review meetings of the departmental presentations by the respective Heads are coordinated by the Dean Academics office.

Agenda Item No. 2.16 – Any other agenda from the permission of the chair.

No other item was presented.

The meeting ended with a vote of thanks to the chair.

F.NO. MRU/IQAC/IQAM/2024/02/07


Prof. (Dr.) Deepa Arora

Director – IQAC

Copy to :

1. PS to VC for kind information to Hon'ble Vice Chancellor
2. Prof. Kameshwar Singh, Registrar
3. Prof. Sangita Banga, Pro Vice Chancellor
4. Ms. Shivali, DAV School, Sector-14, Faridabad
5. Ms. Khushi Arora, B.Tech. CSE (Batch2020-24)
6. Ms. Shatakshi, B.Ed. (Batch 2020-22)
7. Prof. Shruti Vashist, Dean Academics
8. Prof. Goldie Gabrani, Dean Engineering & ED and Dean Research
9. Prof. Parul Jhaharia, Dean Management and Commerce
10. Prof. Kanu Priya, Dean Law
11. Prof. Meena Kapahi, Dean Sciences
12. Prof. Geeta Thakur, Dean Students & Welfare
13. Prof. D.K. Sharma, Dean Examination
14. Prof. Manpreet Kaur, HoD Computer Science & Technology

Director- IQAC
Manav Rachna University
Sec-43, Aravali Hills, Suraj Kund Road,
FARIDABAD-121004

15. Prof. Ajit, HoD Mechanical Engineering
16. Dr. Sandeep Kumar, HoD Sciences
17. Prof. Rashee Singh, HoD Education & Humanities
18. Dr. Charu Pathak, HoD Electronics & Communication Engineering
19. Dr. Prashant Bhardwaj, Associate Professor & Deputy Director IQAC
20. Ms. Vandana Zutshi Bhat, Assistant Professor, Management & Commerce
21. Dr. Savita Sharma, Associate Professor, Education & Humanities
22. Dr. Manoj Kumar, Associate Professor, Computer Science & Technology
23. Prof. Hanu Bhardwaj, Director-CDC, MREI (Special invitee)
24. Prof. Kaveri Sharma, HoD Law (Special invitee)
25. Ms. Shefali Chopra, Deputy Registrar – Academics (Special invitee)
26. Prof. Parneeta Dhaliwal, Director – Innovation & Incubation Cell
27. Mr. Piyush Mahendru, Assistant Professor, Mechanical Engineering (Special invitee)
28. Dr. Niharika Thakur, Associate Professor, Electronics & Communication Engineering (Special invitee)
29. Dr. Ankita Gaur, Assistant Professor, Sciences (Special invitee)
30. Dr. Urmila Pilia, Associate Professor, Computer Science & Technology (Special invitee)
31. Dr. Ananna Bardhan, Assistant Professor, Sciences (Special invitee)
32. Dr. Roopa Rani, Assistant Professor, Sciences (Special invitee)
33. Mr. Atul Kalra, Director - General Manager Administration, MREI
34. Mr. Ajay Kabra, Senior - Director, Global Business Excellence, Xebia, Gurugram
35. Prof.(Dr.) Sandeep Grover, Dean (Institutions) & Dean(Quality Assurance), Professor, Mechanical Engineering, J.C. Bose University of Science & Technology, YMCA Faridabad, Haryana
36. Prof. Tanushree Purohit, Professor & HoD Management & Commerce (Special invitee)
37. Prof. Jyoti Pruthi, Chairman Admissions (Special invitee)



ANNEXURES

Annexure 2.2

Manav Rachna University Proceedings

1st Quarterly Meeting of IQAC for the AY 2023-24

The First Quarterly meeting of the Internal Quality Assurance Cell (IQAC) for the AY 2023-24 was held on 12.09.2023 (Tuesday) at 11:00 A.M. in CADR, G, Block under the chairmanship of Hon'ble Vice Chancellor in hybrid mode.

The following members were present

- 1) Prof. I. K. Bhat, Hon'ble Vice Chancellor
- 2) Prof. Kameshwar Singh, Registrar
- 3) Prof. Sangita Banga, Pro Vice Chancellor
- 4) Mr. Atul Kalra, Director - General Manager Administration, MREI
- 5) Ms. Shivali, DAV School, Sector-14, Faridabad
- 6) Ms. Khushi Arora, B.Tech. CSE (Batch2020-24)
- 7) Ms. Shatakshi, B.Ed. (Batch 2020-22)
- 8) Prof. Shruti Vashist, Dean Academics
- 9) Prof. Pradeep Kumar Varshney, Dean Research & Sciences
- 10) Prof. Goldie Gabrani, Dean Engineering
- 11) Prof. Parul Jhaharia, Dean Management and Commerce
- 12) Prof. Kanu Priya, Dean Law
- 13) Prof. D.K. Sharma, Dean Examination
- 14) Prof. Manpreet Kaur, HoD Computer Science & Technology
- 15) Prof. Joginder Singh, HoD Mechanical Engineering
- 16) Dr. Sandeep Kumar, HoD Sciences
- 17) Dr. Rashee Singh, HoD Education & Humanities
- 18) Dr. Charu Pathak, HoD Electronics & Communication Engineering
- 19) Dr. Deepa Arora, Associate Professor & Associate Director IQAC
- 20) Ms. Vandana Zutshi Bhat, Assistant Professor, Management & Commerce
- 21) Dr. Savita Sharma, Assistant Professor, Education & Humanities
- 22) Mr. Manoj Kumar, Assistant Professor, Computer Science & Technology
- 23) Mr. Piyush Mahendru, Assistant Professor, Mechanical Engineering (Special invitee)
- 24) Dr. Niharika Thakur, Associate Professor, Electronics & Communication Engineering (Special invitee)
- 25) Dr. Ankita Gaur, Assistant Professor, Sciences (Special invitee)
- 26) Dr. Urmila Pilonia, Associate Professor, Computer Science & Technology (Special invitee)
- 27) Ms. Rakhi Pruthi, General Manager, CRC (Special invitee)
- 28) Prof. Tanushree Purohit, Professor & HoD Management & Commerce (Special invitee)
- 29) Dr. Kaveri Sharma, Associate Professor, Law (Special invitee)
- 30) Dr. Mamta Arora, Associate Professor, Computer Science & Technology (Special invitee)
- 31) Dr. Rashi Banerjee, Assistant Professor, Management & Commerce (Special invitee)
- 32) Ms. Shefali Chopra, Deputy Registrar – Academics (Special invitee)
- 33) Prof. Parneeta Dhaliwal, Director – Innovation & Incubation Cell

The following members could not attend the meeting

- 1) Dr. Krishan Kant, Principal, Aggarwal College, Tigaon Road
- 2) Mr. Ajay Kabra, Senior - Director, Global Business Excellence, Xebia, Gurugram
- 3) Prof. Geeta Thakur, Dean Students & Welfare

Meena Kapali

Opening remarks by the Chairman

Hon'ble VC Sir Prof. (Dr.) I.K. Bhat extended a warm welcome to all the members and shared the objective of IQAC during his opening address. He stressed the importance of organizing review and brainstorming sessions that engage the entire faculty as a unified effort essential to monitor the progress in preparation for the accreditation assessments. Hon'ble VC Sir further highlighted the significance of integrating environmental and sustainability initiatives into the academic framework. He pointed out the need of implementing additional measures to elevate and encourage research activities within the Institution. This aligns with the objectives outlined in the National Education Policy (NEP) and the National Credit Framework, which emphasize the importance of motivating and actively involving students in research work.

Agenda Items for the meeting are presented as below:

Agenda Item No. 1 - Status Update on the ongoing Accreditation Process

To update the current status of the ongoing accreditation process by NAAC and NBA.

The IQAC members were briefed on the progress of the ongoing accreditations, specifically with NAAC & NBA. It was informed that the university submitted its Institutional Information for Quality Assessment (IIQA) application form on 20th January 2023 followed by successful submission of Self Study Report (SSR) on 5th April 2023. As a part of DVV process, the university responded to 26 queries on 7th May 2023 and is waiting for the final communication regarding DVV and PTV. Further, it was shared that the Department of Computer Science & Technology has applied for NBA accreditation. Following the initial registration on January 16, 2023, the pre-qualifier submission followed on 19th January 2023. A significant milestone was reached on 30th March 2023, with the submission of the comprehensive Self-Assessment Report (SAR). The dates that have been proposed for the visit are 29th Sept to 1st October 2023.

The matter was taken on records by the IQAC members.

Agenda Item No. 2 - Academic Progress and Enhancement

To update the status of curriculum design & development during the AY 2022-23 with respect to:

- **Introduction of New Programs and their Alignment with Industry Trends**

Dean Academics presented the list of new programs commencing from the AY 2022-23.

She emphasised the significance of the new programs - **MBA Business Analytics, B.Tech. Robotics and AI and LL.B. programs.**

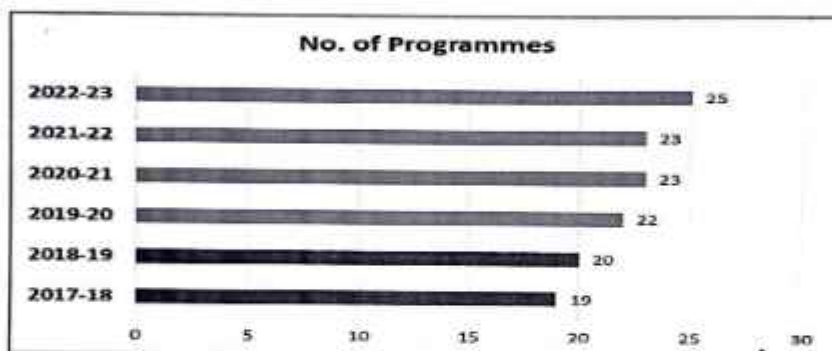
The programs like MBA Business Analytic and B.Tech. Robotics & AI seek to provide graduates with competence in high-demand sectors in an age of rapid technological innovation and data-driven decision-making. These programs also encourage collaboration between technology and business. Furthermore, these programs train students for future labor market dynamics, allowing them to be adaptive and competitive in rapidly changing industries.

MBA Business Analytics is in association with the Institute of Analytics (IoA), UK, a leading professional body for Analytics and Data Science professionals where students are being trained and groomed by professionals.

LLB course is demanded by law aspirants who are already a graduate and want to pursue law as a career. LLB degree offers numerous career benefits and exceptional opportunities in the legal field. Graduates can explore diverse career paths in law firms, corporate legal departments, government agencies, and international organizations. The degree also opens doors to legal journalism, research, and academia.

Meena Kapali

S. No.	Academic Year	No. of Programs	New Programs Introduced		Programs Discontinued
			No.	Name	
1	2022-23	25	03	LL.B. MBA (Business Analytics) B.Tech. Robotics & AI	B.Com. LL.B. (Hons.)
2	2021-22	23	NIL	----	NIL
3	2020-21	23	01	B.Ed. Spl. Ed. (Learning Disability)	NIL
4	2019-20	22	02	LL.M LL.M (2 - Year Part Time)	NIL
5	2018-19	20	1	B.Tech. Electronics & Computer Engineering	NIL
6	2017-18	19	6	B.Ed., B.A. B.Ed., B.Sc. B.Ed., BBA LL.B. (Hons.) B.Com. LL.B. (Hons.), BA LL.B. (Hons.)	B.Tech. ECE



The IQAC members took a record of the same.

• **Courses Focused on Employability, Entrepreneurship, and Skill Enhancement**

Dean academics informed the members about the courses that are meticulously tailored to address the evolving demands of the workforce and equip individuals with the knowledge and skills to excel in the job market, start their own businesses, or enhance their existing careers in the University's curriculum. She reported that in the Academic Year 2022-23, 96.7% of the courses offered are dedicated to enhancing employability, entrepreneurship, and essential skills.

S. No.	Academic Year	No. of Courses Focussing on Employability, Entrepreneurship & Skill Development	Total No. of Courses Offered	% age of Courses Focussing on Employability, Entrepreneurship & Skill Development
1	2022-23	1002	1036	96.71
2	2021-22	958	992	96.57
3	2020-21	913	950	96.10
4	2019-20	819	851	96.23
5	2018-19	748	764	97.90
6	2017-18	529	585	90.42



The IQAC members took a note of the mentioned information, and they emphasized the need for more substantial and regular monitoring of the academic quality, particularly in relation to the imparting of industry-relevant skills to the students.

• **Value-added Courses (VAC) Offered**

It was informed that a total of 35 Value-added Courses (VAC) were offered in the AY 2022-23, and that 98.7% of the enrolled students successfully completed these courses [Annexure-2.1]. Out of 35, 17 are new VAC.

S.N o.	Academic Year	Total No. of VAC offered	No. of new VAC introduced	% age of students enrolled	% of students completed
1	2022-23	35	17	58.91	98.71
2	2021-22	36	30	70.8	95.97
3	2020-21	18	16	56.39	97.58
4	2019-20	23	21	76.04	97.43
5	2018-19	22	19	81.99	98.03
6	2017-18	18	18	77.9	96.39

The IQAC members took the above mentioned information on record and applauded the efforts of the departments. It was suggested to include more unique and interdisciplinary VACs.

• **SWAYAM/NPTEL/Other MOOC Certifications Earned by the Students**

In the AY 2022-23, a total of 36 MOOCs were offered across various programs in the university [Annexure-2.2] to acquire knowledge, skills and enable students to pursue their educational and career goals on their terms.

Sr.No.	Name of the Department	No. of MOOC Courses offered	No. of Students opt for MOOC Course	No. of Students Completed MOOC Course
1.	Mechanical Engineering	04	07	07
2.	Computer Science & Technology	24	478	478
3.	Electronics & Communication Engineering	03	04	04
4.	Physics	01	06	06
5.	Chemistry		04	04
6.	Mathematics		09	09
7.	Law	N/A		
8.	Education	02	13	13
9.	Management	02	55	55

The IQAC members acknowledged the same.

• **Integration of Technology & Experiential Learning Methods**

Dean Academics explained the effect of Integration of new pedagogies and practical learning across academic fields in providing quality education. It was shared that the Engineering programs encourage hands-on problem-solving by allowing students to develop mini-projects and test prototypes, bridging the gap between theory and practical approaches. Students in the Department of Management and Commerce are acquainted with real-world business simulations and case studies, where they can practice leadership and decision-making skills. Moot court exercises, mock trials and internships in the Law programs provide an opportunity to apply legal theory to actual issues, enhancing advocacy and bargaining skills. Inquiry-based learning, in which students do experiments and inquiries to increase their understanding of scientific concepts, benefits the students of the department of Sciences. Aspiring teachers in Education study interactive tactics to ensure they can effectively engage and inspire pupils in real classrooms. These integrations ensure that students acquire not just academic information but also practical skills and expertise. A list of such technology integration techniques and experiential learning tools adopted in various courses across all the programs is provided as Annexure-2.3.

The IQAC members acknowledged the importance of this initiative and recognized the necessity to provide training for all faculty members to enable them to embrace and excel in innovative pedagogies especially use of IT tools and PBL. Furthermore, they emphasized the need to monitor the innovative pedagogy employed by the departments, ensuring alignment with the guidelines of the National Education Policy (NEP) 2020.

Decision: The IQAC noted the suggestion for future compliance.

• **Analysis of Feedback and Action Taken Based on Feedback**

The feedback for the AY 2022-23 from different stakeholders including students, faculty members, alumni and employers was conducted on curriculum design and development with an aim to strengthen and improve the academic system at Manav Rachna University. The analysis of the feedback collated and the action taken reports by the respective departments were presented and discussed [Annexure-2.4].

The IQAC members acknowledged the feedback report. There was a consensus that enhancing the feedback mechanism with employers through the CRC is imperative. It was suggested that a meeting with the CRC be arranged to enhance communication and collaboration in this regard. This will help us further our efforts in enhancing our placement activities.

Agenda Item No. 3 - Research & Innovation Activities

To present and share the research & innovation activities report for the AY 2022-23 including:

- **Summary of Faculty and Student Publications, both in Journals and Conferences**

Dean Research shared the significant contributions of the faculty members & the students to the academic and research community with a total of 144 research papers publications. [Annexure-3.1]. The papers have been featured in reputed journals (110), conferences (34), books, and book chapters (41) that are listed in Scopus, Web of Science, and other platforms.

Furthermore, the students have collectively published 13 research papers in journals and an additional 09 papers in conferences.

According to the latest data from the Scopus database, the total number of research publications attributed to our university has increased to an impressive 607, up from the previous count of 583. Furthermore, our university's h index, a measure of research impact and productivity, has also seen growth, now standing at 35, compared to the previous value of 33 [Annexure-3.1].

- **Update on Patents Filed, Published, and Granted**

In the AY 2022-23, 02 new provisional patent applications have been filed by the faculty members, a total of 62 patent applications got published and 03 patent applications have been granted and 04 patent application got registration of design representing a wide spectrum of innovations and ideas generated within the community of faculty members and students [Annexure-3.2].

- **Technical and Research-oriented Events Organized for Faculty and Students**

To facilitate culture of innovation, learning, and research, MRU organized a variety of technical and research-oriented events for both our esteemed faculty and students serving as platforms for knowledge exchange and skill enhancement. In the AY 2022-23, a total of 35 events have been organised related to Skill Development (21), Entrepreneurship (08), Intellectual Property Rights (02), and Research Methodology (04). The list of events related to Skill Development, Entrepreneurship, Intellectual Property Rights, and Research Methodology in the Academic Year 2022-23 is attached as [Annexure-3.3].

- **Recognition Received for Outstanding Research Endeavours by Faculty and Students**

Dean Research shared noteworthy recognitions for the outstanding research endeavours undertaken by both the dedicated faculty and talented students. The institution has achieved a remarkable total of 51 research recognitions for students and impressive 25 research recognitions for our esteemed faculty members [Annexure-3.4].

The IQAC (Internal Quality Assurance Cell) members expressed their appreciation for the university's research endeavours. However, they stressed the crucial need for implementing additional measures to elevate and encourage research activities within the institution.

Decision: The departments were requested to share the information regarding the students' publications. Additionally, the departments were encouraged to submit more proposals for seed money to support their initiatives.

Agenda Item No. 4 - Student Welfare Activities

To update and apprise the status of student welfare activities and achievements in cultural & sports events/activities during the AY 2022-23

- **Cultural Events and Activities Organized for the Students**

The Department of Student Welfare (DSW) has consistently organized cultural and sports events that have positively impacted the student community. These events have not only enriched the academic journey but also promoted cultural appreciation, artistic expression, and talent development among students. Nearly **48** cultural and sports events were organised by the DSW that span across various artistic domains, including dance, music, and poetry [Annexure-4.1].

• **Student Achievements in Cultural Activities**

In the AY 2022-23, our students participated in a wide range of cultural and sports activities on inter-university platforms and won **12** awards. Their accomplishments are summarized in the Annexure-4.2.

The IQAC members duly acknowledged the information and stressed the importance of increasing sports initiatives in alignment with the Khelo India program. They also emphasized the need for student activities with a stronger focus on cultural, sports, research, and placement-related activities.

Decision: To implement a fortnightly student activities report to ensure consistent and effective monitoring of these initiatives.

Agenda Item No. 5 - Student Progression

To present the status of student placement and progression to higher studies for the AY 2022-23

The placement coordinator shared an overview of the status of student placement and their progression to higher studies for the AY 2022-23. A total of **198** students out of **428 (46.2%)** have successfully secured employment opportunities in various reputed companies and organizations. **Eight** students have opted for higher studies. The highest placement package offered to a student in the AY 2022-23 was **60 LPA**, a testament to the quality of education and skills development imparted at the university [Annexure-5.1].

Program	No. of Students Placed	Average Package (in LPA)	Max Package (in LPA)	Min Package (in LPA)
B.A. B.Ed.	8	2.47	3	2.16
B.Com. LL.B.(Hons.)	3	4.00	4.8	2.4
B.Ed Special Education	3	4.23	5	3.5
B.Ed.	13	3.15	3.6	2.5
B.Sc. (Hons.) Mathematics	2	4.78	5.36	4.2
B.Sc. (Hons.) Physics	1	5.82	5.82	5.82
B.Sc. B.Ed.	3	3.57	4.2	3
B.Sc. (Hons.) Chemistry	1	3.50	3.5	3.5
B.Tech. (CSE)	140	7.03	60	3.5
B.Tech. (ECE)	1	6.00	6	6
B.Tech. (ME)	7	4.82	6.5	3.8
BA LL.B.(Hons.)	1	2.40	2.4	2.4
BBA	10	3.35	6.3	1.18
BBA LL.B.(Hons.)	1	2.40	2.4	2.4
M.Sc. Chemistry	2	2.35	2.7	2
M.Sc. Physics	2	4.35	4.5	4.2
Grand Total		6.00	60	1.18

Placement Highlights:

3 International Placements

- Karan Aditya Ghosal, KPMG Canada, 60 LPA
 - Sarthak Rastogi, Space & Times Labs, 55 LPA
 - Deepanshu Sharma, ÉQUIPE SANTÉ INC, Canada, 30 LPA
- Highest Domestic Placement
- Ananya Kamra, Alto Palo Networks, 54 LPA

The IQAC members took the data on records. The members appreciated the efforts of the departments, CDC and CRC.

Decision: It was suggested developing a mechanism to collect the updated student progression data of the graduating batch at the time of convocation.

Agenda Item No. 6 - Faculty Professional Development Initiatives and Recognitions

To provide an overview of the professional development initiatives undertaken throughout the AY 2022-23

- **Faculty Development Programs/STC/Orientation/Refresher/Conferences/Workshops conducted**

Seventeen of such programs have been organised, each by the departments of ECE, Management & Commerce, Sciences (Physics & Chemistry), CST, Law and Education & Humanities [Annexure-6.1].

- **Faculty participation in both external and internal Faculty Development Programs/STCs/Orientation/Refresher/Conferences/Workshops**

As a testament to the commitment of our esteemed faculty to their continuous improvement, 84 faculty members actively participated in a spectrum of development opportunities, both internal and external [Annexure-6.2]. These engagements include Faculty Development Programs (FDPs), Short-Term Courses (STCs), Orientations, Refresher Courses, Conferences, and Workshops, showcasing the dedication of the faculty members to stay at the forefront of education and research.

The IQAC members noted the same.

Agenda Item No. 7 - Examination Results and Grievance Report

To share the report of the examination results for the academic year 2022-23 and present a summary of any grievances or concerns raised and addressed regarding examination processes.

Out of a total of 522 final-year students who took the examinations, 428 have successfully passed, resulting in a pass rate of approximately 81.9% [Annexure-7.1].

Thirteen grievance cases have been reported for examinations collectively in the odd and even semesters in the AY 2022-23 [Annexure-7.2].

The IQAC members acknowledged the data.

Decision: It was taken on record the year-wise tracking of the academic progression of each batch to facilitate improved comparative analysis. Additionally, there was a suggestion to emphasize the importance of maintaining the quality of examination question papers, including the practice of sourcing approximately 50% of question papers from external experts.

Agenda Item No. 8 - To Apprise the Status of the Following for the AY 2022-23

- **Extension & Outreach Activities Conducted**

University's consistent engagement and participation in extension and outreach activities was presented. The initiatives, carried out in collaboration with students and faculty, reflected the Institution's enduring commitment to community development, addressing pressing social and environmental issues and establishing sustainable partnerships [Annexure 8.1].

- **MRCPS Initiatives Undertaken**

MRCPS diverse initiatives reflected a steadfast commitment to peace, sustainability, and holistic education, making a positive impact on multiple fronts.

In the year 2022, the Manav Rachna Centre for Peace and Sustainability (MRCP) achieved significant recognition, receiving the World Congress on Disaster Management Disaster Risk Reduction Award for its outstanding efforts in mitigating the COVID-19 pandemic impact.

Collaborating with Heartfulness, MRCP promoted yoga and meditation practices, fostering holistic well-being.

The Peace and Sustainability Students Club played a pivotal role, providing peace training, meditation sessions, and yoga classes to school students, molding future leaders.

MRCPS commitment to the United Nations Sustainable Development Goals (SDGs) was evident in the integration of these goals into Manav Rachna University's curriculum.

The Essentials of Peace and Sustainability; course, approved by UNSCO-OERBW, was extended to other universities, emphasizing responsible global citizenship.

MRCPS Green Warriors, Project PEHEL, and initiatives like Kuch Kahna Hai; addressed community development, child safety, and environmental awareness.

Additionally, the Education for Sustainable Development Programme (ESDP) engaged school students through creative activities, while the Peace Corridor symbolized unity and hope, adorned with words for peace from numerous languages.

The Peace Initiatives Towards a Sustainable World wallpaper chronicled global peace efforts.

Decision: DSW office was advised to update the data and include some of the events like Sustanathon conducted by MRU.

Agenda Item No. 9 - Environment, Energy and Green Audits and ISO Certifications

To apprise IQAC members about the

- The Environment, Energy and Green Audit conducted
- The key areas assessed, identified strengths, and areas needing improvement
- ISO Certifications in Energy Management System, Environment Management System and Quality Management System

The Environment, Energy and Green Audit conducted

MRU has been assessed by EHS Alliance Services for the comprehensive study focussed on evaluating environmental impacts of institutional working framework to fulfil the requirement of Environment Audit, Energy Audit & Green Audit. The environment, energy and green initiatives undertaken by the University have been found satisfactory. The observations/recommendations by the Audit Team were shared. We commit to taking proactive measures to address these recommendations and continue our journey towards a greener and more sustainable future [Annexure 9.1].

Some of the recommendations include the following:

Environment Audit: Eco-friendly measures for purchase of articles, car-pooling practices to minimise air pollution; Environmental Monitoring, i.e. Stack Monitoring of DG sets, Water monitoring conducted by State Pollution Control Committee approved laboratory; agreement with third party authorised vendors for different types of waste management, such as e-waste, BMW, Plastic waste, etc. and increase the capacity of solar PV.

Energy Audit: More LED lights replacing tube lights, regular maintenance schedule of equipment like geyser, water coolers, pumps, etc. The efficiency of DG Sets and AC were found to be satisfactory during the audit trials as per the report. However, the recommendations include a regular maintenance of the equipment, insulation of AC's refrigerant lines in order to protect energy losses and purchase of BEE 5 Star rated equipment in future. It has been advised to use solar water heater instead of electric geysers. And electronics such as computers, printers, scanners, etc. more than 3 year or 5 years (as per their life) should be replaced with new computers/laptops.

Green Audit: Increase of solar panel capacity to meet at least 70% of electricity requirement, installation of solar heaters, consideration of environmental parameters in purchase policy.

For water conservation, it has been suggested to install water meters at every building for monitoring of water consumption per capita, adopt drip irrigation and sprinklers gardening to save water in campus, and maintain the flow rate of taps at not more than 2.5 litres/minute.

For community, Increase plantation drives in nearby areas to balance the carbon emission and absorption, arrange training programs on environmental management system and nature conservation, involve lower hierarchy staff in environmental awareness programs and campaigns and enhance recycling.

It has been further advised to display messages at various locations to create awareness about Energy Savings Green building guidelines.

It is to share the successful attainment of ISO certifications for Manav Rachna University with respect to **Quality Management System, Environmental Management System, and Energy Management System.**

The ISO certifications achieved by Manav Rachna University signify the following:

The Quality Management System of MRU is ISO 9001:2015 certified w.e.f. from Dec 26, 2022 (valid till December 25, 2023).

The Energy Management System has attained ISO 50001:2018 certification w.e.f. from Dec 26, 2022 (valid till December 25, 2023).

The Environmental Management System of MRU is now ISO 14001:2015 certified w.e.f. from Dec 26, 2022 (valid till December 25, 2023).

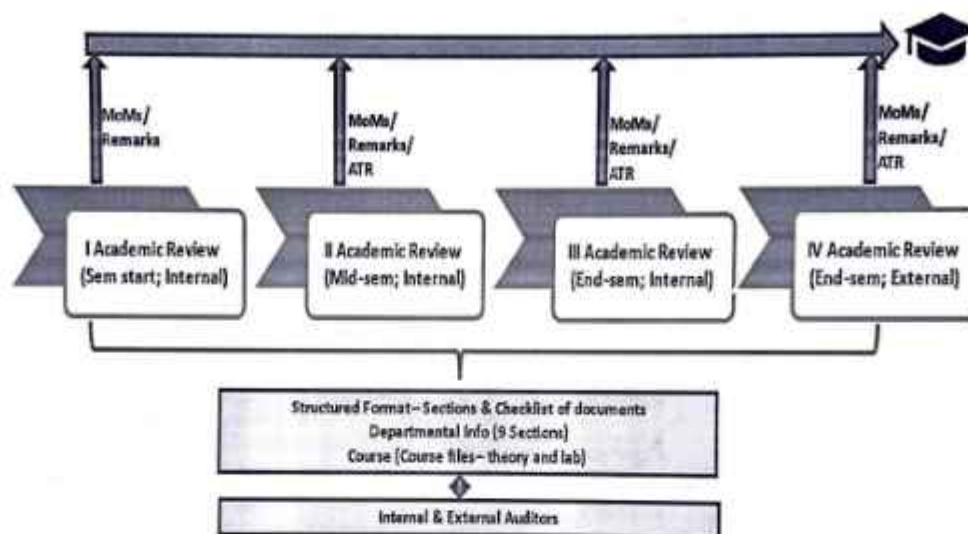
Decision: The IQAC members took a note of the same and advised the coordinators to prepare for the next cycle due this year.

Agenda Item No. 10 - Academic Audit Proforma

To present the Academic Audit Proforma designed for the departments for the AY 2023-24.

The members were apprised about the academic audits initiated in the university to comprehensively evaluate the academic framework, focusing on departments and courses [Annexure 10.1]. It was informed that the entire academic audit process is structured into 3 internal audits (beginning of the semester, mid-semester and end-semester) followed by 1 external audit at the end of the semester. Further, the audits are being conducted by the internal auditors (experts from various departments) who undergo training sessions organised by IQAC for conducting the same.

Decision: A suggestion was made to include specific dates and agenda item numbers related to the academic bodies of the University, details on awarded PhDs, funding information, Memoranda of Understanding (MoUs) signed, and collaborative activities in each department for comprehensive documentation.



Agenda Item No. 11 – Any Other Item with the Permission of Chair

No other agenda item was presented before the members.

The meeting ended with a vote of Thanks to the chair.

F.NO. MRU/ IQAC/IQAM/2023/09/16

Meena Kapahi
(Prof. Meena Kapahi)
Director – IQAC
Dated 20.10.2023

Copy to:

- 1) PS to VC for kind information to Hon'ble Vice Chancellor
- 2) Prof. Kameshwar Singh, Registrar
- 3) Prof. Sangita Banga, Pro Vice Chancellor
- 4) Mr. Atul Kalra, Director - General Manager Administration, MREI
- 5) Dr. Krishan Kant, Principal, Aggarwal College, Tigaon Road
- 6) Mr. Ajay Kabra, Senior - Director, Global Business Excellence, Xebia, Gurugram
- 7) Ms. Shivali, DAV School, Sector-14, Faridabad
- 8) Ms. Khushi Arora, B.Tech. CSE (Batch2020-24)
- 9) Ms. Shatakshi, B.Ed. (Batch 2020-22)
- 10) Prof. Shruti Vashist, Dean Academics
- 11) Prof. Pradeep Kumar Varshney, Dean Research & Sciences
- 12) Prof. Goldie Gabrani, Dean Engineering
- 13) Prof. Parul Jhaharia, Dean Management and Commerce
- 14) Prof. Kanu Priya, Dean Law
- 15) Prof. Geeta Thakur, Dean Students & Welfare
- 16) Prof. D.K. Sharma, Dean Examination
- 17) Prof. Manpreet Kaur, HoD Computer Science & Technology
- 18) Prof. Joginder Singh, HoD Mechanical Engineering
- 19) Dr. Sandeep Kumar, HoD Sciences
- 20) Dr. Rashee Singh, HoD Education & Humanities
- 21) Dr. Charu Pathak, HoD Electronics & Communication Engineering
- 22) Dr. Deepa Arora, Associate Professor & Associate Director IQAC
- 23) Ms. Vandana Zutshi Bhat, Assistant Professor, Management & Commerce
- 24) Dr. Savita Sharma, Assistant Professor, Education & Humanities
- 25) Mr. Manoj Kumar, Assistant Professor, Computer Science & Technology
- 26) Mr. Piyush Mahendru, Assistant Professor, Mechanical Engineering (Special invitee)
- 27) Dr. Niharika Thakur, Associate Professor, Electronics & Communication Engineering (Special invitee)
- 28) Dr. Ankita Gaur, Assistant Professor, Sciences (Special invitee)
- 29) Dr. Urmila Pilonia, Associate Professor, Computer Science & Technology (Special invitee)
- 30) Ms. Rakhi Pruthi, General Manager, CRC (Special invitee)
- 31) Prof. Tanushree Purohit, Professor & HoD Management & Commerce (Special invitee)
- 32) Dr. Kaveri Sharma, Associate Professor, Law (Special invitee)
- 33) Dr. Mamta Arora, Associate Professor, Computer Science & Technology (Special invitee)
- 34) Dr. Rashi Banerjee, Assistant Professor, Management & Commerce (Special invitee)
- 35) Ms. Shefali Chopra, Deputy Registrar – Academics (Special invitee)
- 36) Prof. Parneeta Dhaliwal, Director – Innovation & Incubation Cell

Manav Rachna University, Faridabad
Research Publications in Journals of UG/PG/Ph.D Students from July 2022 to December 2023

Department	Name and department of Authors belong to other institution other than University	Journal Name	Title of the Paper
Law	Shweta Sharma -Research Scholar, Department of Law, MRU, Faridabad.	Global Scientific Journals	Rehabilitation Centres for Juveniles
CST	Nitesh Rohilla -Research Scholar, Department of CST, MRU, Faridabad Mohit Agarwal -Sharda University, Plot No. 32-34, Knowledge Park III, Greater Noida	CEUR Workshop Proceedings	Smart Cities Development using Blockchain Technology in India: A Critical Analysis
Education & Humanities	Pradeep Gusain - Research Scholar (Ph.D.), Department of Education, School of Liberal Arts, G.D Goenka University, Sohna Road, Gurugram	Journal of Research Administration	An Exploratory Study For Identification of Components in Holistic Report Card For Primary Trainee Teachers
Education & Humanities	Neha Goswami -Research Scholar, School of Education & Humanities, MRU, Faridabad.	Journal of Research Administration	Evaluation of 5 Different Dimensions of Self-Efficacy of Adolescents Based on Gender
Sciences-Chemistry	Somya Tanwer -Research Scholar, Department of Sciences, MRU, Faridabad.	Progress in Color, Colorants and Coatings	Adsorption Study of Antibiotic Drug Doxycycline to Protect Mild Steel Surface from Sulphuric Acid Solution
ECE	Romisha -Research Scholar, Department of ECE, Manav Rachna University, Faridabad.	Indonesian Journal of Electrical Engineering and Computer Science	Detection of Plant Diseases using Image-Based Similarity Measures of Pythagorean Fuzzy Sets
CST	Barkhashree -Research Scholar, Department of CST, MRU Faridabad.	International Journal of Information Technology	Impounding Behavioural Connotations for Hate Speech Analysis – A View Towards Criminal Investigation using Machine Learning
Law	Sakshi Mohan -Research Scholar, Department of Law, Manav Rachna University, Faridabad.	Madhya Bharti-Humanities and Social Sciences	Investigating the Roots of White Collar Crime
Law	Ms. Akansha Tripathi -Research Scholar, School of law, Manav Rachna University, Faridabad.	Madhya Bharti-Humanities and Social Sciences	Strengthening Capacity Building and Response to health Crisis in Developing Countries
Law	Ms. Akansha Tripathi -Research Scholar, School of law, Manav Rachna University, Faridabad.	Journal of the Oriental Institute	Intellectual Property Rights VIS A VIS Sustainable Development

Law	Ms. Akansha Tripathi -Research Scholar, School of law, Manav Rachna University, Faridabad.	Shodh Prabha	Rising Horizons of Sound Trademark
Management & Commerce	Nisha Gaur -Research Scholar, Faculty of Commerce & Management, SGT University Dr.Ritu Yadav -Assistant Professor, Department of Management, Gurugram University, Gurugram	Pacific Business Review International	Occupational Stress and Work-Life Balance among Jurisdiction Professionals: A PLS-SEM Approach
Management & Commerce	Ms. Komal Sharma -Research Scholar, Amity Business School, Amity University Haryana	International Journal of Economic Perspectives	Impact of Entrepreneurship on Healthcare Sector: A Study in Delhi NCR
Education & Humanities	Adita Khanna -Research Scholar, MRU	IJFANS International Journal of Food and Nutritional Sciences	Consumer Buying Intention Towards Health Insurance Products: A Qualitative Perspective
CST	-	International Journal of Intelligent Systems and Applications	Detailed Study of Wine Dataset and its Optimization
Physics	Mukesh Jewariya -CSIR-National Physical Laboratory, New Delhi	The European Physical Journal Plus	Attosecond-XUV pulse generation using laser-based high-harmonic generation in argon gas

Manav Rachna University, Faridabad
Research Publications in Conferences of UG/PG/Ph.D Students from July 2022 to December 2023

Department	Name and department of Authors belong to other institution other than University	Conference Name	Title of the Paper
CST	-	2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)	Agriculture Chatbot(AGRIBOT) Using Natural Language Processing
CST	-	2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)	Adaptive Mental Health and Mood Uplifting Chatbot
Management & Commerce	Priyanka Chadha -Amity Business School, Amity University, Noida	15th International Conference on Materials Processing and Characterization (ICMPC 2023)	Sustainability in Electric Vehicles: A Bibliometric Analysis of Life Cycle Assessment
Management & Commerce	Shweta Awasthi -Amity Business School, Amity University, Noida Shailendra Tiwari - Division of Research & Innovation, Uttaranchal University, Dehradun G. Karuna -Department of Computer Science and Engineering (AIML), GRIET, Bachupally, Hyderabad, Telangana Surendra Tripathi -KG Reddy College of Engineering & Technology	15th International Conference on Materials Processing and Characterization (ICMPC 2023)	An Analysis of Work-Family Conflict Resolution in the It Industry for Employee Sustainability
Management & Commerce	Anshu Yadav -Amity Business School, Amity University, Noida Ramnarayan -Division or research & innovation, Uttaranchal University, Dehradun G. Swapna -Department of Humanities and Sciences, GRIET, Bachupally, Hyderabad, Telangana	15th International Conference on Materials Processing and Characterization (ICMPC 2023)	Sustainability and Role Conflict: A Bibliometric Analysis of Research Themes, Trends, and Future Research Directions: 2013-2022

Management & Commerce	Avnish Kumar -Division or research & innovation, Uttaranchal University, Dehradun N.V. Ganapathi -GRIET, Bachupally, Survey No 288, Nizampet Rd, Kukatpally, Hyderabad, Telangana Bhukya Madhu-KG Reddy College of Engineering & Technology, Hyderabad, Telangana	15th International Conference on Materials Processing and Characterization (ICMPC 2023)	Incorporating Sustainability: A Comprehensive Review of Factors Influencing Consumer Acceptance of Mobile Wallets
Mechanical	-	15th International Conference on Materials Processing and Characterization (ICMPC 2023)	Modal and Static Analysis of Vortex Bladeless Wind Turbines with Different Geometries
Sciences-Physics	-	International Conference on Nanotechnology; Opportunities and Challenges	Effect of NiO Hole Transport Layer Thickness on the Power Conversion Efficiency of Perovskite Solar Cell: A Numerical Simulation Study
ECE	Prasant Kumar Mahapatra -Biomedical Applications Group (BMA), CSIR-Central Scientific Instruments Organization, Chandigarh	2023 3rd International Conference on Intelligent Technologies (CONIT)	Contactless Measurement of Error in Lathe Tool Positioning
CST	-	2023 Fifteenth International Conference on Contemporary Computing	Review of Machine Learning Techniques for Crop Recommendation
CST	-	2023 3rd International Conference on Intelligent Technologies (CONIT)	Student Writing Segmentation Using Various Classification Techniques
CST	-	International Conference on Advances in Data-driven Computing and Intelligent Systems	Improving Accuracy of Recommendation Systems with Deep Learning Models
CST	-	2023 International Conference on Sustainable Computing and Smart Systems (ICSCSS)	Video Steganography in IoT: Information Embedding using OpenCV and 2LSB
CST	-	2022 IEEE Global Conference on Computing, Power and Communication Technologies, GlobConPT 2022	An Optimized Hybrid approach to Detect Cataract

Mathematics/ CST	-	2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT)	Russia against the world tweets concept
CST	Laxman Singh -Dept. of Electronics and Communication Engineering, Noida Institute of Engineering and Technology, Greater Noida, India	2022 International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES)	Automated Disease Detection in Plant Images using Convolution Neural Network

RESULT ANALYSIS

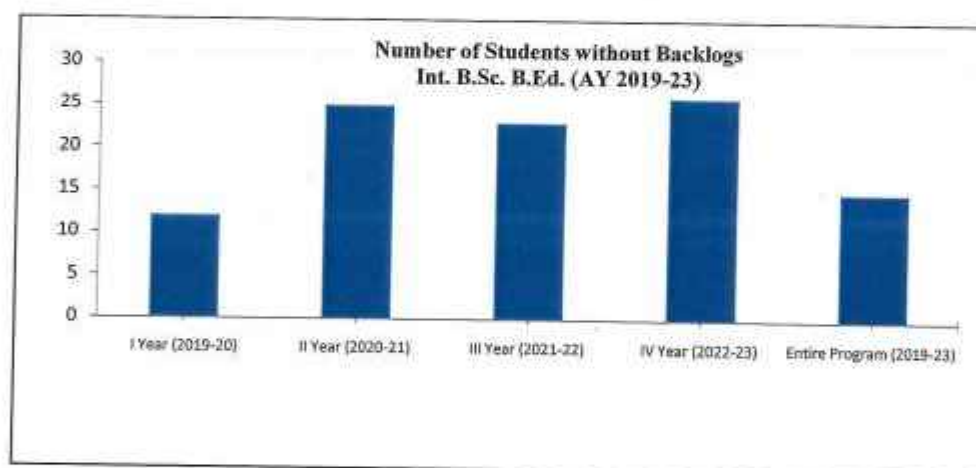
School of Education and Humanities
 Program Name: Int. B.Sc. B.Ed.
 Program Period: 4 Academic Years (2019-2023)

Summary

Number of students enrolled in the program	Number of students passed out till date	Number of students dropped the program after first Year
29	27	2

Analysis of Backlogs

Number of students passed out with no backlogs	I st Year (2019-20)	II nd Year (2020-21)	III rd Year (2021-22)	IV th Year (2022-23)	Entire program (2019-23)
	12	25	23	26	15



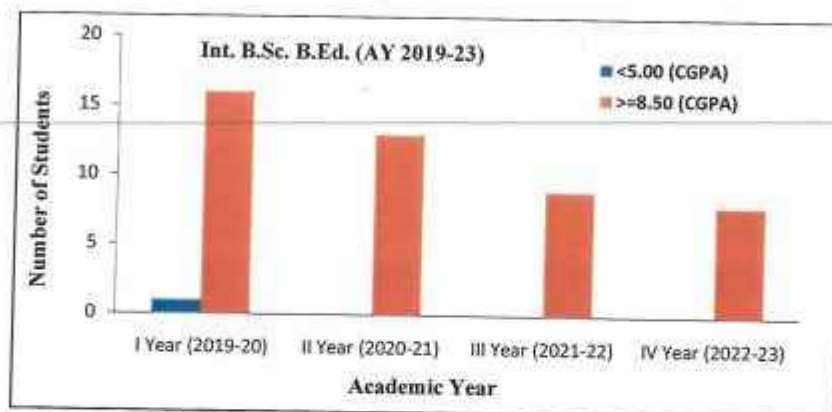
Shefali



Analysis of CGPA

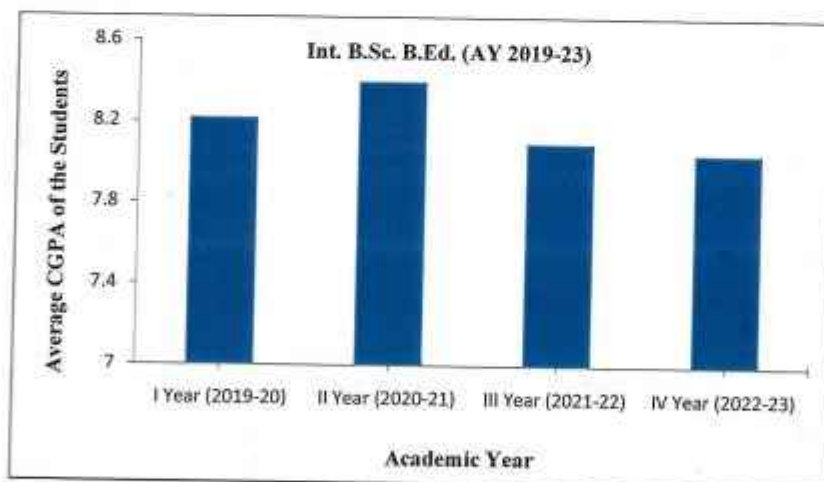
1. Analysis of CGPA with students obtaining <5.00 and >=8.50 CGPA

CGPA	Number of Students			
	I st Year (2019-20)	II nd Year (2020-21)	III rd Year (2021-22)	IV th Year (2022-23)
<5.00 (CGPA)	1	0	0	0
>=8.50 (CGPA)	16	13	9	8



2. Analysis of average CGPA

Academic Year	I st Year (2019-20)	II nd Year (2020-21)	III rd Year (2021-22)	IV th Year (2022-23)
Average CGPA	8.22	8.4	8.1	8.05



Shefali



Activities 2022-23 by MRCPS

S.No.	Name of the Event/Session	Date (dd-mm-yyyy)	No. of students attended/participated
1	Govt school sec 16 visit - plantation, yoga, meditation	28-07-2022	5
2	ESDP Inauguration visit (project) at Prakarshdeep school sec 21	29-07-2022	5
3	Kuch Kehna Hai Visit (project) at Govt school sec 16	03-8-2022	5
4	Kuch Kehna Hai Visit (project) at JPS school sec 49	05-08-2022	5
5	Kanha Meditation Centre: Hyderabad Peace training for one week	11-08-2022	24
		12-08-2022	
		13-08-2022	
		14-08-2022	
		15-08-2022	
6	Awareness stall POP India: MRCPS butterfly project and MRCPS ANG project	18-08-2022	200+/6
7	Plantation drive in adopted villages in faridabad	27-08-2022	22
8	Nature walk at SEC 15 Mini Forest faridabad	05-09-2022	30
9	Vatsalya SDG awareness through bookmarks- creating and distributing tags	14-09-2022	46
10	Visit to school for project ESDP at Govt model school sec 28	05-09-2022	100/1
11	Stand against street harassment with Breakthrough trust for women	06-10-2022	330
12	Design your own destiny: webinar on peaceful life	04-10-2022	75
13	Nai Disha: Creative writing competition	16-10-2022	36
14	Ojaswi Diwali Mela	21-10-2022	200
15	Visit Govt School Sec 28 faridabad for project ESDP	9-11-2022	1
16	Talim : National Education day LOA ceremony of Pehel Project	10-11-2022	216
17	Peace training at Rajasthan Heartfulness centre	16-11-2022	6
		17-11-2022	
		18-11-2022	
18	Let's walk in nature: Visit to the Leisure Valley and indulging with nature and meditative activities.	18-11-2022	18
19	Monologue on sexual harassment by Ishika	24-11-2022	40
20	Lekh: Poem writing competition on sexual harassment	08-12-2022	17
21	Inspire: Poster making on violence against women	08-12-2022	14
22	Mann ki awaz: Speech on Violence against women	08-12-2022	15
23	visual competition: videography on violence against women	08-12-2022	19
24	Switch me off: Tags for saving electricity at diff departments	10-12-2022	30
25	Poster and slogan competition on environment day for awareness & sensitisation	10-12-2022	34
26	Animal Shelter Visit: To sensitise young generation for animals	23-12-2022	18
27	Youth march: for the Swami Vivekananda jayanti	12-01-2023	60
28	Suryanamaskar: offline session by expert for yoga	02-02-2023	87
29	Ankahe alfaaz: Offline event for valentine's day w.r.t. attaining self love and morality for peers	16-02-2023	100
30	Microgreens and urban farming webinar	22-02-2023	120
31	Visit to NISE: To understand sustainable infrastructure	06-03-2023	14
32	Sustainathon Intercollege	04-05-2023	200
33	Sustainathon Leaps Hub Challenge- Innovative Projects to Support Sustainable Future Presented at Youth Sustainathon	04-05-2023	50
34	Sustainathon DAY 1 Global peace leadership conference	05-05-2023	100

35	Sustainathon DAY 2 Global peace leadership conference	06-05-2023	100
36	Sustainathon DAY 3 Global peace leadership conference	07-05-2023	100
37	Poetry writing on environment day	01-06-2023	14
38	Poster making on environment day	07-06-2023	31
39	LOA ceremony and farewell of the core team	13-06-2023	50
40	Mind over map: quiz competition on yoga and International Yoga Day	22-06-2023	90
41	OM zing: Online pranayam session	27-06-2023	30
42	Cleaning Drive at Railway Station	23-06-2023	10



CERTIFICATE OF REGISTRATION

INTERCERT hereby certifies that the Energy Management System of

MANAV RACHNA UNIVERSITY

Sector – 43, Delhi–Surajkund Road, Faridabad – 121004, Haryana, India

Has been successfully assessed as per the requirements of

ISO 50001:2018

For the scope of

Education, Research, Industry Alignment & Additional Services.

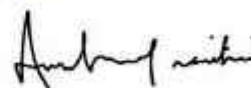
Initial Certification Date : December 26, 2022

Certificate Issue Date : December 26, 2022

Surveillance Validity Date : December 25, 2024

Recertification Date : December 25, 2025

Registration Number: IC-En-2212157



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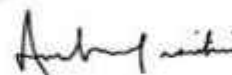
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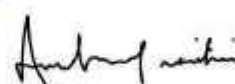
ISO 9001:2015

For the scope of

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Initial Certification Date	: December 26, 2022
Certificate Issue Date	: December 26, 2022
Surveillance Validity Date	: December 25, 2024
Recertification Date	: December 25, 2025

Registration Number: IC-QM-2212155



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IQAC Initiatives

July - Dec 2023-24

Month		Activity	Date	Type
July	1	Review Meeting with Heads & Deans for preparedness for the NAAC visit	29th July 2023	Meeting
August		Faculty Orientation Programme-Day 01		
	1	Session I - Diagnostic Assessment & Ice Breaking Session II - Institutional Policies, Role of Mentor, Academic Policies, Internship Policies etc. Session III - Role of a teacher Session IV - Student-centric learning Session V - 21st Century Skills: Learning styles and Blooms Taxonomy	5th August 2023	Orientation
	2	Faculty Orientation Programme-Day 02 Session I - Examination Question Paper Setting Session II - Active Learning	10th August 2023	Orientation
	3	Training Workshop for academic audit : Guidelines and outcomes targeted	10th August 2023	Training Workshop
	4	Faculty Orientation Programme-Day 03 Session I - OBE and Examination Question Paper Setting	17th August 2023	Orientation
	5	Faculty Orientation Programme-Day 04 Session I - Concept of CO, PO, PSO and their mapping Session II - Cooperative Learning using Jigsaw for Stress Management Session III - Result Analysis, Attainment of POs & COs	19th August 2023	Orientation
	6	Faculty Orientation Programme-Day 05 Session I - Developing E-content	24th August 2023	Orientation
	7	Academic Audit Phase-I (Initiated)	28 th August	Audit
	8	Faculty Orientation Programme-Day 06 Session I - Accreditations and rankings - NIRF/NAAC/NBA/QS	31st August 2023	Orientation
	9	Online seminar on Quality Education and role of accreditations	31st August 2023	Seminar
September	1	Faculty Orientation Programme-Day 07 Session I - Project-Based Learning : Developing Rubrics for Project based learning (PBL) Session II - Course File maintenance, ERP Session III - Curriculum Planning & Development Session IV - Research and It's importance Innovation, Entrepreneurship and startup & Institutional	2nd September 2023	Orientation

		Support		
	2	Faculty Orientation Programme-Day 08 Project Based Learning: Developing Rubrics for Project Based Learning	7 th September 2023	Orientation
	3	Faculty Orientation Programme-Day 09 Session I - EEE Model for Digital Learning	21 st September 2023	Orientation
October	1	Session on NAAC preparedness by IQAC with Heads & Deans	04 th October 2023	Meeting
	2	Workshop on Basics of Research and Paper Writing	07 th October 2023	Workshop
	3	Workshop on Assessment of Learning Disability	07 th October 2023	Workshop
	4	Assessment & Reflection: Enhancing Institutional practices for NAAC Accreditations	10 th - 19 th October 2023	Workshop
	5	Session on Fundamentals of Designing Course Outcomes	12 th October 2023	Seminar
	6	FDP - Pedagogical Interventions in light of NEP 2020	9 th - 14 th October 2023	FDP
	7	Sustaining Our Future: Quality, Ethics and Solid Waste Solutions	26 th October 2023	Seminar
	8	Training on Maintaining Quality processes in Hygiene and Sanitation	26 th October 2023	Workshop
	9	3rd National Level Workshop - Transformation through NAAC Accreditation Process	29 th October 2023	Training
November	1	Academic Audit Phase - II	1 st - 10 th Nov 2023	Audit
	2	NAAC Mock Visit	20 th - 29 th November 2023	Audit
December	1	5th National Level Workshop - NIRF India Rankings 2024 organized by Institute for Academic Excellence (IAE) on 13 th & 14 th December 2023.	13 th - 14 th December 2023	Training
	2	ISO Surveillance	26 th December 2023	Audit

Annexure 2.7

Deptt/Schools	Project Based Learning	Case Study Based	Flipped classroom	Experiential learning	e-Learning modules	Simulation	Role Play	Movie Review/ Documentary review w/ Analysis	Co-curricular activities	Cooperative	Interactive Teaching	Collaborative Learning	Activity Based Learning	Moot Court Sessions	Clinical Method
School of Management & Commerce	3	12	4	9	10	3	4	0	0	0	0	0	0	0	0
School of Engineering	4	3	12	9	0	0	1	0	3	3	0	6	0	0	0
School of Education & Humanities	0	2	2	4	0	1	2	2	2	1	2	0	4	0	0
School of Sciences	0	0	5	6	0	0	0	0	0	0	0	3	0	0	0
School of Law	0	4	1	1	1	0	1	0	0	0	0	1	0	5	3

Total	7	21	24	29	11	4	8	2	5	4	2	10	4	5	3
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Summary of Value Added Courses offered in the Odd semester for the Academic session 2023-24

S.No.	Academic Year	Total No. of VAC offered	No. of new VAC courses introduced	No. of students enrolled	% age of students enrolled
1	2023-2024 (Odd Semester)	31	27	1101	45.87%

List of VAC courses offered

Sr. No.	Course Name	Course Code	No. of times offered in a year	No. of students enrolled	No. of students cleared
1	CNC PROGRAMMING	VAC- ME201	1	17	17
2	INTRODUCTION TO ELECTRIC VEHICLE	VAC-ME501	1	9	9
3	QUALITY CONTROL & ISO-9000	VAC -ME303	1	8	8
4	PRODUCT LIFECYCLE MANAGEMENT	VAC- ME208	1	13	13
5	PIL AND WRIT JURISDICTION	VAC-LW115	1	31	31
6	GENDER SENSITIZATION AT THE WORKPLACE	VAC-LW114	1	1	0
7	MEDIA AND ENTERTAINMENT LAWS	VAC-LW103	1	25	7
8	MATLAB AND SIMULINK HANDS-ON	VAC-MA102	1	14	14
9	INTRODUCTION TO MATLAB	VAC-EC011	1	13	13
10	UNDERSTANDING DATA SCIENCE USING PYTHON	VAC-EC010	1	18	18
12	PROGRAMMING USING C++	VAC-CS301	1	64	54
13	PROGRAMMING FUNDAMENTALS USING PYTHON - PART 1	VAC-CS302	1	91	67
14	DATA STRUCTURES AND ALGORITHMS USING PYTHON - PART 1	VAC-CS303	1	54	44

15	JAVASCRIPT ESSENTIALS-1	VAC-CS304	1	88	46
16	DATA SCIENCE FOR BEGINNERS	VAC-CS501	1	59	37
17	BLOCKCHAIN IN DEPTH	VAC-CS502	1	66	45
18	CYBER SECURITY ESSENTIALS	VAC-CS503	1	9	3
19	NETWORKING ESSENTIALS	VAC-CS504	1	2	2
20	UIPATH RPA DEVELOPER FOUNDATION	VAC-CS505	1	0	0
21	GLOBAL CITIZEN EDUCATION	VAC-EDU213	1	34	34
22	ESSENTIALS OF LIFE SKILLS	VAC-EDU211	1	59	58
23	PHONETICS	VAC-EDU214	1	39	39
24	ENVIRONMENT AND SUSTAINABILITY	VAC-EDU215	1	12	12
25	SOCIAL AND EMOTIONAL LEARNING	VAC-EDU212	1	32	32
26	ESSENTIAL OF MACROMOLECULES	VAC-CH306	1	16	16
27	FOOD SAFETY AND QUALITY CONTROLS	VAC-CH209	1	4	4
27	FIRST TIME MANAGERS	VAC-MC204	1	222	222
28	LEAN SIX SIGMA	VAC-MC304	1	91	91
29	SOLAR PHOTOVOLTAIC: FUNDAMENTAL AND ITS APPLICATIONS	VAC-PH301	1	4	4
30	COMPUTATIONAL MATERIALS SCIENCE	VAC-PH102	1	6	6

Mentor-mentee meetings MOM report for AY 2023-24 during odd semester (July-Dec 2023)

School of Sciences					
Department of Sciences (Program – Physics)					
B.Sc.(Hons.) Physics					
S. No.	Semester	Date on which Mentor-Mentee meeting was held during July-Dec 2024	Number of students attended the meeting	Issues raised by students	Action taken by the department for the issues
1	III sem	29.08.2023, 28.09.2023, 17.11.2023	2	Course registration in PSC course on "Problem solving using C"	Subject teacher of "Problem solving using C" was connected to resolve issue regarding course registration on ERP
2	V sem	07.08.2023, 16.10.2023, 17.11.2023, 01.12.2023	2	Student requested to relax detention in the Subject of Statistical Physics (PHH301B-T), after his failure to achieve the minimum attendance criteria laid down by the University.	Concession granted to the student in terms of offering the course in fast track mode in the next semester, keeping in view the final year of the Honors degree.
M.Sc. Physics					
3	I	28.08.2023, 16.10.2023	2	Issues regarding attendance marking on ERP	Students advised to meet subject specific faculties to discuss their problem
4	III	28.08.2023, 16.11.2023	4	Issues regarding practical examination date sheet	Practical exam date sheet modified so that the student is able to attend entrance exam for PhD

School of Sciences
Department of Sciences (Program – Chemistry)
B.Sc.(Hons.) Chemistry

5	V	17.08.2023	5	Problem in understanding the subject content of Physical Chemistry IV (Quantum Chemistry)	Information to HOD, Sciences. He suggested that students should read the basics of quantum first from any specialized faculty in the subject matter (help of physics program faculty members can also be taken in this regards)
6		21.09.2023	5	Issues related to attendance and sessional marks were discussed	Students were again sensitized to maintain 75% attendance and they were advised to meet concern subject faculties to further improve their marks in the exams
7		2nd Nov, 2023	4	MRLSP points were discussed	MRLSP points were collated and students were suggested various ways to earn them more
8	III	23.08.2023	9	VAC & Attendance Issues	Students had opted for VAC of law department and were thereby unclear regarding class timings and faculty involved. They were guided for same and also related attendance issues for VAC & CDC were forwarded ahead for necessary action and immediate resolution.
9		20.09.2023	9	Attendance issues and 7 Seek course evaluation	Students were reminded of maintenance of attendance of at least 75% and were also notified of current attendance status. They were also explained the SEEK course evaluations and the project they need to carry out as a part of it.
10		15.09.2023	9	MRLSP points	MRLSP points were assessed & explained to the students. The ones with low points were advised to be more active in learning and participation.

M.Sc. Chemistry

11	I	28.08.2023	5	Queries related to any discrepancies in ERP. Regarding the examination	Formats with google drive were shared with the students for uploading of
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				scheme for the upcoming midterm exam.	related documents.
12		09.09.2023	5	Discussed about Mid-Term Marks analysis	Students were sensitized and motivated to score more in their internal assessment
13		02.11.2023	4	Attendance of Events and Medical	Confirmed Event attendance and got medical cases approved
School of Sciences					
Department of Sciences (Program – Mathematics)					
B.Sc.(Hons.) Mathematics					
14	V	29.08.2023	8	Queries related to ERP and course registration(PSC)	The issues were resolved with the help of ERP coordinator.
15		11.09.2023	9	The students faced issues in subjects Numerical Analysis and Statistical Inference, as the subjects were new.	The students were counseled and the same was informed to the subject teachers through HoD.
16		02.11.2023	8	MRLSP were discussed.	The students were asked to collect their certificated and submit the same in the drive folder.
17	III	13.09.2023	9	The time table is spread out throughout the day with theory lectures in the end	Because of student's involvement in other activities like library visits, sports, etc. the timetable was spread throughout the day
18		19.10.2023	9	They have to move from one block to another block for their lectures which ends up taking up time.	The timetable was reviewed but there is no possibility of changing time slots
19		06.11.2023	9	In some of the classes A. C's are not working	Mr. Rinku was informed about the AC, and he said that the AC was working fine it will take time to cool down because of the new motor
M.Sc. Mathematics					
20	III	29.08.2023,	5	1.Problem in Course registration on ERP	All problems were resolved through P-HOD and ERP coordinator.

		28.09.2023, 17.11.2023		2.About the PSC course and registration on ERP 3.Some technical problem in subject(Fluid Dynamics)	Subject teacher was given advice for a related problem by P-HOD.
21	I	29.08.2023, 12.09.2023, 17.11.2023	8	1.Problem in Course registration on ERP 2.AC is not working Properly 3.	All problems were resolved through P-HOD and ERP coordinator.

School of Engineering

Department of Mechanical Engineering

B.Tech. Mechanical Engineering

22	I	05.09.2023	14	Awariness for MRLSP points and promotion policy Erp Tagging	Informed ERP team and got the issues resolved
23		03.10.2023	14	MOOC course registration Mid-Term Marks discussed	Informed the concerned faculty and got it resolved
24		13.11.2023	14	Attendance of Events and Medical	Confirmed Event attendance and got medical cases approved
25	III	08.09.2023	11	Awareness for MRLSP points and promotion policy Erp Tagging	Informed ERP team and got the issues resolved
26		11.10.2023	11	VAAC Course registration issue	Informed the concerned person and it resolved
27		17.11.2023	11	Attendance of Events and Medical	Confirmed Event attendance and got medical cases approved
28	V	04.09.2023	10	ERP Tagging issues and Fees/scholarship related issue	Informed ERP team and got the issues resolved. The information also shared with admin department for the same.

29		05.10.2023	10	Issues related to attendance and sessional marks were discussed	Students were again sensitized to maintain 75% attendance and they were advised to meet concern subject faculties to further improve their marks in the exams
30		15.11.2023	9	Attendance of Events and Medical	Confirmed Event attendance and got medical cases approved
31	VII	04.09.2023	10	ERP Tagging Issues	Informed ERP team and got the issues resolved
32		03.10.2023	10	ERP login ID password was showing invalid for some students Discussed about Mid-Term Marks analysis	Informed the concerned in ERP team and got it resolved
33		15.11.2023	10	Attendance of Events and Medical Discussed about MRLSP Point	Confirmed Event attendance and got medical cases approved

School of Engineering

Department of Electronics and Communication Engineering

B.Tech. Electronics and Communication Engineering

34	III	28.08.2023	10	ERP attendance and VAC course registration issues were discussed.	ERP coordinator was informed and the same was resolved
35		09.10.2023	14	Queries related to Mid Sem Exams, results and low attendance were discussed.	Parents were informed regarding performance and attendance, concerned faculties were asked to give more practice questions and assignments to improve results.
36		06.11.2023	15	Final attendance, extra attendance due to events pending were discussed. Final MRLSP points were discussed.	Extra attendance was compiled and final monitoring done. MRLSP points were compiled and shared.
37	V	28.08.2023	04	Internal project allocation was discussed	Students were encouraged to select a topic of interest for their project design and fabrication, with the opportunity to pursue the same in

					their senior semesters. Additionally, they were tasked with choosing a faculty mentor to provide guidance throughout the process
38	VII	28.08.2023	3	Internships in final year	Students were encouraged to pursue internships with core companies specializing in Electronics and Communication Engineering, particularly in the areas of VLSI, chip design and communication. This hands-on experience is valuable, and by initiating the application process early, they increase their chances of securing internships to further enhance their skills
School of Engineering					
Department of Computer Science and Engineering					
B.Tech. Computer Science and Engineering					
39	III (B.Tech CSE 3A G1)	06.09.2023	16	Tagging Issues	Informed ERP team and got the issues resolved
40		16.10.2023	16	ERP login ID password was showing invalid for some students	Informed the concerned in ERP team and got it resolved
41		23.11.2023	15	Attendance of Events and Medical	Confirmed Event attendance and got medical cases approved
42	V (B.Tech CSE 5B G2)	04.09.2023	18	Need of online resources for additional assignments on programming problems	Students were suggested to join LinkedIn and Infosys Springboard MOOCs
43		09.10.2023	20	There were some unmarked attendance of lectures during placement drives	Confirmed with the placement team and attendance was provided to students.
44		06.11.2023	17	Final attendances, extra attendance due to events pending were discussed. Final MRLSP points were discussed.	Extra attendance was compiled and final monitoring done. MRLSP points were compiled and shared.

45	VII (B.Tech CSE 7C G1)	04.09.2023	16	Tagging and PSC related issues. Students having less Clan points and who were not enrolled in two courses yet, were identified.	Informed ERP Team and get these issues resolved. Some Clan score achievement activities and NPTEL courses were suggested to them.
46		09.10.2023	16	There were some unmarked attendance of lectures during placement drives	Confirmed with the placement team and attendance was provided to students.
47		13.11.2023	14	Marking attendance for medical cases. Some students were also asking for some options for internships as they were unable to get one by themselves.	Get medical cases approved from HOD. In-House training was suggested to the students.
School of Engineering					
Department of Computer Science and Engineering					
B.Tech. Robotics and Artificial Intelligence					
48	III (B.Tech R & AI 3A G1)	04.09.2023	17	Need of online resources for additional assignments on programming problems	Students were suggested to join LinkedIn and Infosys Springboard MOOCs
49		09.10.2023	18	Need of online resources to simulate code executions	Students were suggested online simulators offering code execution visualizations to better understand code executions
50		06.11.2023	17	Manav Rachna Net IDs for few students were not working	The IDs were reset by the IT Team

School of Education

Department of Education and Humanities

B.Ed., Int. B.Sc. B.Ed., Int. B.A. B.Ed.

51	I, III, V, VII	4th September, 2023	84	ERP attendance and VAC course registration issues were discussed.	The ERP coordinator was informed and the same was resolved. Updation of elective groups
52		5th September, 2023	81	ERP attendance and VAC course registration issues were discussed. CTET workshop was suggested by the students	The ERP coordinator was informed and the same was resolved. Updation of elective groups CTET Training was arranged for higher semester programs
53		4th September, 2023	35	ERP attendance and VAC course registration issues were discussed.	The ERP coordinator was informed and the same was resolved. Updation of elective groups
54		28th August, 2023	35	ERP attendance and School Internship issues were discussed.	The ERP coordinator was informed and the same was resolved. Four month School internship was arranged.

School of Law
Department of Law
BA LLB

55	I	24.08.2023	64	They asked about the promotion policy	The students were apprised of the new promotion policy that they have to separately clear internal and external examinations
56		13.10.2023	57	Student should focus on: Attendance to maintain it to 75% to prevent from detention	The students were also told about the minimum criteria to be met.

BBA LLB

57	I	24.08.2023	46	They asked about the promotion policy	The students were apprised of the new promotion policy that they have to separately clear internal and external examinations
58		13.10.2023	44	Student should focus on: Attendance to maintain it to 75% to prevent from detention	The students were also told about the minimum criteria to be met.

LLB

59	I	24.08.2023	28	They asked about the promotion policy	The students were apprised of the new promotion policy that they have to separately clear internal and external examinations
60		13.10.2023	27	Student should focus on: Attendance to maintain it to 75% to prevent from detention	The students were also told about the minimum criteria to be met.

School of Management and Commerce					
Department of Management and Commerce					
BBA					
61	I	27.08.2023	20	Issues regarding attendance marking on ERP	Students advised to meet subject specific faculties to discuss their problem
62		11.10.2023	16	Meeting regarding indiscipline in class	Students were advised to maintain discipline. Parents of Shivam Raghav and Tanishq were contacted
57	III	30.09.2023	37	Language Issue in EVS subject	The issue was consulted with Dean Madam and HOD Madam . Students discussed the issue with Dean Madam and HOD Madam
58		24.11.2023	12	Issues regarding attendance marking of EVS on ERP	The issue was consulted with Dean Madam and HOD Madam
59	V	30.09.2023	37	Meeting regarding indiscipline in class	The issue was consulted with Dean Madam and HOD Madam
60		24.11.2023	12	Issues regarding attendance marking of EVS on ERP	The issue was consulted with Dean Madam and HOD Madam

Sessions on Career counseling and guidance for competitive examinations offered by the Institution

<u>S.No.</u>	Name of the Event/Session	Department	Date (dd-mm-yyyy)	No. of students attended/participated	Name of the agencies/consultants involved with contact details (if any)
1	Career Counselling Session	Education and Humanities	21-08-2023	58	Dr Akshita Bahuguna, Entrepreneur, Career Counsellor
2	Career Panel Discussion	Law	20-07-2023	40	Mr. Jeetender Gupta, Advocate on Record, Supreme Court of India, Mr. Roopesh Sharma, Former Additional Advocate General, Supreme Court of India, Ms. Akansha Tripathi, Counsel, Indian International Arbitration Centre (IIAC)
3	Session on Career in Insolvency and Bankruptcy Laws	Law	29-08-2023	30	Mr. Swarnendu Chatterjee, Founder, Law Chambers of Swarnendu Chatterjee & Advocate-on-Record, Supreme Court of India
4	Alumni Interaction on Employability Skills	M.E	08-11-2023	10	Mr. Ayush Kumar Jha, Member Technical in Automatic Data Processing, Pune.
5	Cisco Netcad	CST	18-07-2023	130	Dr. Mayank Jagota
6	IPR and Youth: For a Better Future	CST	21-07-2023	140	Adv. Latika Khanduja and Mr. Shekhar Khanduja,
7	How to be Corporate Ready from day 1?	CST	26-07-2023	135	Mr. Anurag Upadhyay
8	Guiding Students for Higher Studies in Securing Fully Funded Research and Development Programs at Indian and Foreign Universities	Sciences(Physics)	07.10.2023	60	Ms. Shruti Gulihar
9	Alumni Session on Tips for Thriving in the real world	ECE	20-10-2023	36	Ms. Shweta Gusain, Associate Consultant, E&Y LLP, shwetagusain3@gmail.com

10	Guest lecture on Carrier prospects in Banking Sector	Management	09-08-2023	100	Head, PDC Indian Institute of Banking & Finance
11	Investor awareness program on "Let's talk about our money": A way to entrepreneurial Development	Education and Humanities	10-08-2023	125	Mr. Surya Kant Sharma, Senior consultant, AMFI, Ex-DGM, SEBI
12	Interplay of Insolvency and Bankruptcy Code with Arbitration	Law	29-8-2023	30	Mr. Swarnendu Chatterjee, Founder, Law Chambers of Swarnendu Chatterjee & Advocate -on-record, Supreme Court of India

Capacity development and skills enhancement initiatives are taken by the institution

<u>S.No.</u>	Name of the Event/Session	Department	Date (dd-mm-yyyy)	No. of students attended/participated	Name of the agencies/consultants involved with contact details (if any)
1	International Webinar on Emulsion Polymerization of Styrene by C1EG Ionic Liquid	Sciences(Chemistry)	12-10-2023	16	Prof. Rene Dario Peralta Rodriguez , Centre for Research in Applied Chemistry, Saltillo Mexico
2	International Webinar on Toward Infinite Origami Materials	Sciences(Chemistry)	31-10-2023	21	Prof. Bungo Ochiai, Department of Chemistry and Chemical Engineering, Yamagata University, Japan
3	Workshop on Cyber Awareness and Cyber Security	Law	26-07-2023	40	Mr. Pawan Duggal, Advocate Supreme Court of India
4	Expert Talk on Application of Micron and Nanotechnology	Sciences(Physics)	21-11-2023	62	Prof. V.K. Jain, Amity University, Noida
5	Orientation Session of Tata Steel Industrial Consulting	Management	25-10-2023	100	Tata steel Industrial Consultant
6	Alumi Talk on Business Analysis	Management	20-10-2023	42	Business Intelligence Analyst in SIFY Technologies Lead in Business Operations & Optimisation, NTT India Ltd

7	Session on Enhancing Financial Awareness for Future Business Leaders: Navigating the financial landscape.	Management	20-11-2023	75	empaneled with Securities and Exchange Board of India (SEBI), NSE, BSE, NISM, PFRDA, CIEL and NCDEX
8	International Conference on Energy Materials and Rechargeable Batteries-2023	Sciences(Physics)	Dec 19-22, 2023	214	Various Eminent Scientists, Professors from different universities working on development of energy materials and rechargeable batteries
9	Alumni Interaction on Role of Flow Structures in Heat Transfer Enhancement	ME	25-07-2023	15	Dr. Naveen Sharma, Assistant Professor, Netaji Subhas University of Technology, New Delhi.
10	Online Guest Lecture on Decoding Hypothesis testing-Revealing the Insights	Management	19-08-2023	20	Dr. Shivoham Singh, a recognized expert in the field of statistics.
11	Guest lecture on "Role of Fintech in Banking Sector"	Management	18-09-2023	60	Vice President from the London Institute of Banking and Finance (LIBF)
12	International Webinar on Introduction to Wavelets	Sciences (Mathematics)	23-09-2023	47	Prof. Maria Skopina, Department of Higher Mathematics, St. Petersburg University, Russia.
13	Invited Talk on "Applications of Mathematics in Data Sciences"	Sciences (Mathematics)	22-11-2023	32	Prof.(Dr.) Mansaf Alam, Professor, Deptt. of Computer Sciences, Jamia Millia Islamia, New Delhi.

Annexure 2.11 b

S.No.	Name of the Event/Session	Date (dd-mm-yyyy)
1	Canva workshop for freshers to learn AI designing	27-07-2023
2	Zumba session for students	17-08-2023
3	Self defense workshop for students	23-11-2023
4	Eco blend webinar- Learning to grow microgreens at home	25-11-2023
5	Workshop on sexual harassment for staff	13-12-2023
6	workshop on First Aid and CPR training by Sarvodya team	24-08-2023
7	Workshop on Overcoming Hesitation of Public Speaking	19-10-2023
8	UI/UX workshop organized by techsoul society for students to learn	02-11-2023
9	Fitness with Yoga	22-11-2023
10	Project handmade papers- creating designer sheets from used papers	09-08-2023
11	Sustaini-Verse reel competition on nature	13-08-2023
12	Poster making competition on sdg5	10-09-2023
13	Just a minute -debate competition on peace conflict and resolution	21-09-2023
14	Scavenger hunt- Exploring biodiversity in campus while playing games	19-10-2023
15	Sustainable Christmas based on SDG 7 and SDG 11	22-12-2023
16	Poetry competition for students	03-08-2023
17	Financial security session	10-08-2023
18	Quiz Competition(IndependenceDay)	15-08-2023
19	Flashmob on Independence Day	14-08-2023
20	Just a minute : Debate Competition	17-08-2023
21	Sports trial for students(cricket,volleyball,basketball,football)	17-08-2023
22	Flashmob on india's successful landing on moon by chandrayaan	24-08-2023
23	Prizm Fashion Show Competition(Participation) : Echelon fest	27-09-2023
24	checkmate chess competition	19-10-2023
25	Dandiya Night organized in campus to celebrate Navratri	20-10-2023
26	Khel Khelo, sports event	26-10-2023
27	Kalakriti exhibition- exhibition of sustainable items prepared by students	02-11-2023
28	Ethnic day, fashion festival to celebrate Diwali	02-11-2023
29	Poster making competition	22-11-2023
30	Freshers batch 2022 and 2023	28-11-2023

Annexure 2.11 c

1	Central Unit	CD C	BootCamp-PrePlacement Crash Course	Soft Skills	24/07/2023	08-07-2024	10 Days/ 50 hours	L & K Block	Intra University	Ankur Aggarwal	School of Engineering Students
2	Central Unit	CD C	Linkedin Roadshow and Campus Ambassador Program	Career Counselling	30-10-2023	30-10-2023	2 hrs	A-Block Auditorium	Intra University	Ms. Harmeet Kaur	School of Engineering Students
3	Central Unit	CD C	Be ready for IAS (by Samkalp Vedhik)	Competitive Guidance	27-09-2023	27-09-2023	1 day	A-Block Auditorium	Intra University	Mr. Vipin Yadav	School of Engineering Students, School of Management
4	Central Unit	CD C	BootCamp-PrePlacement Crash Course	Soft Skills	30/10/2023	28/11/2023	24 hrs + 6 hrs	I Block	Intra University	Ankur Aggarwal	School of Management Studies
5	Central Unit	CD C	Orientation Session - SHL (AMCAT)	Career Counselling	26-Sep-2023	26-Sep-2023	1 day	Mandala, G-Block	Inter University	Mr. Ankur Kumar Aggarwal, Mr. Shubham	B.Tech CSE 2nd & 3rd year
6	Central Unit	CD C	Skill Assessment and Industry Gap Mapping by SHL (AMCAT)	Career Counselling	3-Oct-2023	3-Oct-2023	1 day	L & K Block LAB	Inter University	Mr. Ankur Kumar Aggarwal, Mr. Shubham	B.Tech CSE+ECE +ME 5th sem
7	Central Unit	CD C	Skill Assessment and Industry Gap Mapping by SHL (AMCAT)	Career Counselling	4-Oct-2023	4-Oct-2023	1 day	L & K Block LAB	Inter University	Mr. Ankur Kumar Aggarwal, Mr. Shubham	B.Tech CSE+ECE +ME 7th sem

8	Central Unit	CD C	Skill Assessment and Industry Gap Mapping by SHL (AMCAT)	Career Counselling	6-Oct-2023	6-Oct-2023	1 day	L & K Block LAB	Inter University	Mr. Ankur Kumar Aggarwal, Mr. Shubham	B.Tech CSE+ECE +ME 3rd sem
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Annexure 2.12 a

Year	Name of teacher who attended the program	Title of the program	Duration (from – to) (DD-MM-YYYY)
2023-2024	Abhishek Saxena	FDP on "Microsoft Power BI Data Analyst Associate" by ICT Academy	06-11-2023 to 10-11-2023
		FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
		FDP on Internet of Things conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Adnan Irshad	Participated in Faculty Orientation Programme at MRU	05-08-2023 to 30-09-2023
2023-2024	Ajit	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
		FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Akanksha Choudhary	FDP on "Use of Data Analysis in Research" by Trinity Dwarka	16-11-2023 to 23-11-2023
2023-2024	Akhilesh Kumar Dwivedi	FDP on "Pedagogical Interventions in the Light Of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
		STC ICT on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
		FDP on "Pedagogical Interventions in the Light Of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
2023-2024	Aman Jatain	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Anjali Panwar	Participated in Faculty Orientation Programme at MRU	05-08 -2023 to 30-09-2023
2023-2024	Anshuman Sahai	FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
		Research Methodologies for Science, management and engineering projects"	09-10-2023 to 13-10-2023
		FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023
		Workshop on "MATLAB & SIMULINK" by MRIIRS, Faridabad	03-07-2023 to 07-07-2023
2023-2024	Anup Singh	FDP on "Implementing IoT & Machine Learning Applications on Raspberry Pi"	03-07-2023 to 07-07-2023
		FDP on "Recent Developments in Electrical & Electronics Engineering : A Research Prospective" by SVCET (A), Chittoor, A.P.	24-07-2023 to 28-07-2023
		FDP on "AI for Building Speech and Vision Applications using Python" organized by Galgotias College	21-08-2023 to 25-08-2023

		of Engineering and Technology (GCET, Gr. Noida)	
		FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Anupriya Sharma	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Aparna Vyas	FDP on "Pedagogical interventions in the light of national education policy 2020"	09-10-2023 to 14-10-2023
2023-2024	Arushi M. Mehta	Participated in Faculty Orientation Programme at MRU	05-08 -2023 to 30-09-2023
		FDP on "Higher Education - A Paradigm Shift in Teaching and Learning" organized by IILM University, Gurugram	24-07-2023 to 29-07-2023
2023-2024	Arvinder Kaur	STC ICT on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Bhanu Pratap Choudhary	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Bhawna Singla	FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023
		FDP on Enhancing Cyber security through Artificial Intelligence held at MRIIRS, Faridabad	05-02-2024 to 10-02-2024
2023-2024	Chaitali Wadhwa	FDP on "SPSS techniques" by Centre for sustainable Development and Policy Research Analysis, New Delhi	16-10-2023 to 21-10-2023
2023-2024	Chandni Magoo	FDP on "Emotional Intelligence" conducted by ICT Academy	09-10-2023 to 13-10-2023
		FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Charu Pathak	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Deepa Arora	FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023
		Workshop on "MATLAB & SIMULINK" by MRIIRS, Faridabad	03-07-2023 to 07-07-2023
		FDP on "Sustainable Development Goals - Challenges and Opportunities" Conducted by Electrical Engineering Department, at MRU	21-08-2023 to 25-08-2023
2023-2024	Deepti Maikhuri	FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
		FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023
2023-2024	Deepti Thakral	FDP on "Artificial intelligence and Machine Learning Applications" by DIET, AP, India	01-07-2023 to 10-07-2023
		FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023
		Orientation Program "NEP 2020 Orientation & Sensitization programme" by Jamia University	04-12-2023 to 13-12-2023

		FDP on "Artificial Intelligence in Education & Business" by Hindustan College of Arts & Science, Coimbatore	08-01-2024 to 12-01-2024
		FDP on Wireless Networks in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Eram Aziz	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
		STC on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Esha Khanna	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
		FDP on "Emotional Intelligence" conducted by ICT Academy at MRU	09-10-2023 to 13-10-2023
		FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Gianender	FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023
		FDP on "Managing Your Ego and Emotions at Workplace" by NITTTR Chandigarh	11-09-2023 to 15-09-2023
		FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Goldie Gabrani	FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Gunjan Chandwani	FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Harsha	FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Dr. Roopa Rani	FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	J P Sharma	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Joginder Singh	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
		FDP on "Digital Prototyping using CATIA" conducted by ICT Academy at Manav Rachna University	27-11-2023 to 01-12-2023
		FDP on "Idea Generation Method" conducted by ICT Academy at Manav Rachna University	06-11-2023 to 10-11-2023
2023-2024	K Deepa	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Bharatendu Aggarwal	FDP on "Research methodology" by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023
2023-2024	Anjali Panwar	FDP on "Research methodology" by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023

2023-2024	Chhavi	FDP on Research methodology by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023
2023-2024	Kanu Priya	FDP on "Research methodology" by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023
		FDP on "Advance Tools and Techniques on Research Methodology" organised by Research Foundation of India & RFI Care	04-09-2023 to 13-09-2023
		Participated in Faculty Orientation Programme at MRU	05-08 -2023 to 30-09-2023
2023-2024	Kaveri Sharma	FDP on "SPSS Techniques" by Center for Sustainable Development and Policy Research Analysis, New Delhi	16-10-2023 to 21-10-2023
2023-2024	Kiran Gupta	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
		STC ICT on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Kriti Dagar	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
		FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
2023-2024	Lokesh	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Madhvi Khush	FDP on "Research Paper Writing" by BPIT and RFI-CARE	21-08-2023 to 26-08-2023
		FDP on "Pedagogical Interventions in the light of education policy 2020", by MRU, Faridabad	09-10-2023 to 14-10-2023
2023-2024	Mamta Arora	FDP on "Wireless Networks", in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
		FDP on "Internet of Things", conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Mandeep Bhadana	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
		FDP on "Managing Your Ego and Emotions at Workplace" by NITTTR Chandigarh	11-09-2023 to 15-09-2023
2023-2024	Manisha Narula	FDP on Research methodology by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023
		FDP on "Advance Tools and Techniques on Research Methodology"	04-09-2023 to 13-09-2023
		FDP on "Interdisciplinary Sustainable Strategies and Reflections in Law, Management and IT in Digital Era"	24-07-2023 to 30-07-2023
		Participated in Faculty Orientation Programme at MRU	05-08 -2023 to 30-09-2023
2023-2024	Manoj Kumar	FDP on "NAAC and Internal Quality Assurance" by Media Engineering Department, MRIIRS, Faridabad	11-09-2023 to 15-09-2023
2023-2024	Manpreet Kaur	FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023

2023-2024	Meena	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024		FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Meenakshi Gupta	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
		FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Meenal Rawat	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
		STC ICT on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Minakshi Sharma	FDP "Advanced Instructional Methods for Teaching-Learning " organized by NITTTR Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Mira Mishra	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
		STC on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Monika	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Mrinal Pandey	FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Narender	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Nazish A Shamshi	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Neelu chaudhary	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
		FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Neeraj Chopra	FDP "Advanced Instructional Methods for Teaching-Learning " organized by NITTTR Chandigarh	20-11-2023 to 24-11-2023
		FDP on "Scale Development and Data Analysis using smart PLS4" by Koach Scholar	25-10-2023 to 29-10-2023
2023-2024	Nibedita Hazarika	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	9-10-2023 to 14-10-2023
		STC on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Niharika Thakur	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023

2023-2024	Nitika	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Parneeta Dhariwal	FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Piyush Charan	FDP Cum STC on "Current Advancements in Electric and Hybrid Vehicle Technology: Opportunities and Challenges" organised by Amity University, Lucknow.	08-07-2023 to 14-07-2023
		FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
		FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
		FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
		FDP on "ARTIFICIAL INTELLIGENCE," organized by the Department of Computer Science and Application in Association with Internal Quality Assurance Cell (IQAC), Christ Academy Institute for Advanced Studies, Bangalore.	20-11-2023 to 24-11-2023
		Participated in Faculty Orientation Programme at MRU	05-08-2023 to 30-09-2023
		NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Teaching Learning Center Indian Institute of Technology (BHU) Varanasi.	05-02-2024 to 14-02-2024
		FDP on "Wireless Networks" Conducted by Computer Science and Engineering Department, NITTTR Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Piyush Mahendru	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Pooja Kapoor	FDP "Advanced Instructional Methods for Teaching-Learning " organized by NITTTR Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Pooja Parmar	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	9-10-2023 to 14-10-2023
		STC on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Pradeep Maurya	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
		FDP on "Grassroots innovation and Skill Development Conclave for Rural Development"	11-09-2023 to 16-09-2023

2023-2024	Prashant Bhardwaj	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
		FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Prinima Gupta	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
		FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Puja Das	Participated in "Faculty Orientation" Programme at MRU	05-08-2023 to 30-09-2023
2023-2024	Ram Chatterjee	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Ranjna	FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
		FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Rashee Singh	STC on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Rashi Banerjee	FDP "Advanced Instructional Methods for Teaching-Learning" organized by NITTTR Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Dr. Savita Sharma	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
2023-2024	Ridhi Khanna	STC on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Ritu Sharma	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
		FDP on "Managing your Ego & Emotions at Work Place" in MRIIRS by NITTTR, Chandigarh	11-09-2023 to 15-09-2024
		STC ICT on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Roopa Rani	FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Ruchi Gupta	Workshop on "MATLAB & SIMULINK" by MRIIRS, Faridabad	03-07-2023 to 07-07-2023
		FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023
2023-2024	Sachin Lakra	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Sanjay Kumar	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
2023-2024	Sanjay Singh	FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Savita Sharma	STC on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Seema Aggarwal	FDP on "Scilab Programming for Beginners" by MRU, Faridabad	24-07-2023 to 28-07-2023

2023-2024	Shaharyar Asaf Khan	FDP on "SPSS Techniques" by Center for Sustainable Development and Policy Research Analysis, New Delhi	16-10-2023 to 21-10-2023
2023-2024	Sharv Dutt Anand	FDP on "Pedagogical Interventions in the Light of National Education Policy 2020" at Manav Rachna University	09-10-2023 to 14-10-2023
		STC ICT on "Advanced Instructional Methods for Teaching-Learning" by NITTTR, Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Shelly	Workshop on "Emerging technologies in Big Data analytics using HADOOP & Python" by ABES Engineering College, Ghaziabad	21-08-2023 to 25-08-2023
2023-2024	Shruti Vashisht	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
		FDP on "Sustainable Development Goals: Challenges and Opportunities" by NITTTR Chandigarh	21-08-2023 to 25-08-2023
2023-2024	Simran Singh	FDP on "Research methodology" by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023
2023-2024	SK Bose	Refresher Course on "Teaching Pedagogy in Legal Studies & Social Sciences as Resource Person" organized by Ministry of Education & Barkatullah University	24-07-2023 to 07-07-2023
2023-2024	Smriti Mishra	FDP on "Sustainable Development Goals: Challenges and Opportunities" Conducted by Electrical Engineering Department, NITTTR Chandigarh	21-08-2023 to 25-08-2023
		FDP on the "Internet of Things" conducted by ICT Academy at Manav Rachna University	28-11-2023 to 02-12-2023
		FDP on "Digital Prototyping using CATIA" conducted by ICT Academy at Manav Rachna University	10-07-2023 to 14-07-2023
		Participated in Faculty Orientation Programme at MRU	05-08-2023 to 30-09-2023
2023-2024	Srishti Bhatla	FDP on "Use of Data Analysis in Research" by Trinity Dwarka	16-11-2023 to 23-11-2023
2023-2024	Sumbul Fatima	7 days certificate course on "Commercial Arbitration" organised by JUS Corpus	25-10-2023 to 31-10-2023
		FDP on "Recent Trends of Teaching Learning Pedagogy in Higher Studies"	13-08-2023 to 19-08-2023
		FDP on "Soft Skills for Law Teachers"	30-10-2023 to 05-11-2023
		FDP on "IPR & outer space activities" DPIIT IPR Chair, MNLU Mumbai in association with the Centre for Research in Intellectual Property and Centre for Research in Air and Space Laws at Maharashtra National Law University Mumbai	25-11-2023 to 29-11-2023
		Participated in Faculty Orientation Programme at MRU	05-08-2023 to 30-09-2023
2023-2024	Sunil Kadhiyan	FDP on "Use of Data Analysis in Research" by Trinity Dwarka	16-11-2023 to 23-11-2023
2023-2024	Surabhi Sharma	Participated in Faculty Orientation Programme at MRU	05-08-2023 to 30-09-2023
		FDP on "Insolvency and Bankruptcy Laws in India" by NLU Assam	14-10-2023 to 20-10-2023

		FDP on "Research methodology" by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023
2023-2024	Tamanna Chhabra	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
		FDP on "Internet of Things" conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Tamanna Sachdeva	FDP on "Wireless Networks" in association with NITTTR, Chandigarh	12-02-2024 to 16-02-2024
		FDP on Internet of Things conducted by ICT Academy at MRU	28-11-2023 to 02-12-2023
2023-2024	Tarundeep Kaur	FDP on "Research methodology" by Mahatma Hansraj Faculty development Centre & SOL, MRU	05-08-2023 to 30-09-2023
2023-2024	Urmila Pilonia	FDP on "NAAC and Internal Quality Assurance" by Media Engineering Department, MRIIRS, Faridabad	11-09-2023 to 15-09-2023
2023-2024	Vandna Zutshi Bhat	FDP "Advanced Instructional Methods for Teaching-Learning " organized by NITTTR Chandigarh	20-11-2023 to 24-11-2023
2023-2024	Vani Kataria	FDP on "Research methodology" by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023
		Refresher Course on "Teaching law in 21st century-1st edition" organized by Gujarat Maritime University, Gandhinagar.	03-07-2023 to 05-08-2023
		Participated in Faculty Orientation Programme at MRU	05-08 -2023 to 30-09-2023
2023-2024	Varun Yadav	NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Teaching Learning Center Indian Institute of Technology (BHU) Varanasi.	05-02-2024 to 14-02-2024
2023-2024	Vijay Gill	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Vijenderpal Singh	FDP on "Scilab Programming for Beginners" Conducted by Electronics and Communication Engineering Department, NITTTR Chandigarh	24-07-2023 to 28-07-2023
2023-2024	Yamini Atreya	FDP on "Research methodology" by Mahatma Hansraj Faculty development Centre & SOL, MRU	04-12-2023 to 09-12-2023
		Participated in Faculty Orientation Programme at MRU	05-08 -2023 to 30-09-2023
2023-2024	Yojna Arora	FDP on "Cloud Infrastructure (AWS)" by R P SARATHY INSTITUTE OF TECHNOLOGY, TAMILNADU	21-08-2023 to 25-08-2023
2023-2024	Meenakshi Gupta	STC on "AI/ML and Data Science for Industry 4.0 (Intermediate Level)" by NITTTR, Chandigarh	29-01-2024 to 02-02-2024

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years (10)			
Year	Name of the teacher	Name of conference/ workshop attended for which financial support provided	Amount of support (in INR)
2023-2024	Bharatendu Aggarwal	FDP on "International Law for Early career academics" held at O. P. Jindal Global University, Sonapat.	10,000.00
2023-2024	Urmila Pilonia	6th International Conference on "Contemporary Computing and Informatics (IC3I-2023)" to be held at Amity University, Greater Noida between 14th-16th Sept., 2023.	8,100.00
2023-2024	Manoj Kumar	3rd International Conference on "Advancement in Electronics & Communication Engineering AECE-2023" between 23rd-24th November, 2023 at Raj Kumar Goel Institute of Technology, Ghaziabad.	7,500.00
2023-2024	Mrinal Pandey	International Conference on "Energy Materials & Rechargeable Batteries (ICEMRB-2023)" at Manav Rachna University, Faridabad between 19th – 22nd December, 2023.	2,500.00
2023-2024	Khusboo Gulati	FDP on "Advanced panel data analysis" held at Lal Bahadur Sashtri Institute of Management, Delhi	3,000.00
2023-2024	Manpreet Kaur	Workshop on "Introduction to Language Models" between 17th to 21st July, 2023 being organized by NPTEL (Chennai Mathematical Institute).	1,180.00
2023-2024	Chandni Magoo	Workshop on "Introduction to Language Models" between 17th to 21st July, 2023 being organized by NPTEL (Chennai Mathematical Institute).	1,180.00

2023-2024	Mr. Abhay Parashar – CST Student, 7th Sem., Mentor: Dr. Shalu	5th International Conference on “Advances in Computing, Communication Control and Networking (ICAC3N)” to be held at Galgotias College of Engineering and Technology, Greater Noida between 15th & 16th December, 2023.	7,000.00
2023-2024	Mr. Harshul Dudeja, CST Student, 7th Sem., Mentor: Dr. Shalu	5th International Conference on “Advances in Computing, Communication Control and Networking (ICAC3N)” to be held at Galgotias College of Engineering and Technology, Greater Noida between 15th & 16th December, 2023.	7,000.00
2023-2024	Ms. Jaspreet Kaur, CST Student, 4th Sem., Mentor: Dr. Shalu	5th International Conference on “Advances in Computing, Communication Control and Networking (ICAC3N)” to be held at Galgotias College of Engineering and Technology, Greater Noida between 15th & 16th December, 2023.	7,000.00
2023-2024	Dinesh Kumar Sharma	3rd International Conference on “Plasma Theory & Simulations (PTS-2023)” to be held at Jawaharlal Nehru University (JNU) between 21st - 23rd September, 2023.	5,920.00
2023-2024	Ms. Tisha Garg, CST Student, Mentor: Dr. Shalu	5th International Conference on “Advances in Computing, Communication Control and Networking (ICAC3N)” to be held at Galgotias College of Engineering and Technology, Greater Noida between 15th & 16th December, 2023.	7,000.00
2023-2024	Moditma	Conference cum Workshop on “Effective Teaching” to be held at Birla Institute of Technology & Science (BITS), Pilani between 30th – 31st July, 2023.	9,970.00
2023-2024	Manoj Kumar	Registration fee and local conveyance as per entitlement to attend 3rd International Conference on “Advancement in Electronics & Communication Engineering AECE-2023” between 23rd-24th November, 2023 at Raj Kumar Goel Institute of Technology, Ghaziabad.	7500.00 + Conv. as per entitlement

2023-2024	Mr. Tuhin Tarafdar, CST Student	International Conference on "Machine Intelligence for Research & Innovation" at Dr. B. K. Ambedkar, N.I.T., Jalandhar between 1st-3rd Sept., 2023.	7,670.00
2023-2024	Mr. Chirag Varshney, CST Student Mentor: Dr. Manoj Kumar	3rd International Conference on "Advancement in Electronics & Communication Engineering (AECE-2023)" to be held at R.K., GIT, Ghaziabad between 23rd – 24th November, 2023.	4,500.00
2023-2024	Mr. Rehan Aziz, CST Student Mentor: Dr. Mamta Arora	International Conference on "Recent Advances in Science & Engineering (RAISE-2023)" to be held at Manipal Institute of Technology (MAHE), Manipal between 4th–5th October, 2023.	5,000.00
2023-2024	Anjali Sharma, Project Associate-I Physics Deptt.	International Conference on "Energy Materials & Rechargeable Batteries (ICEMRB-2023)" at Manav Rachna University, Faridabad between 19th – 22nd December, 2023.	1,500.00
2023-2024	Jitendra Pal Singh, Ramanujan Fellow Physics Deptt.	International Conference on "Energy Materials & Rechargeable Batteries (ICEMRB-2023)" at Manav Rachna University, Faridabad between 19th – 22nd December, 2023. The above registration amount may be sanctioned from Ramanujan Fellow Project Grant.	2,500.00
2023-2024	Mr. Vivaan Mittal, CST Student -7th Sem. Mentor: Dr. Urmila Pillania	International Conference on "Self Sustainable Artificial Intelligence Systems (ICSSAS 2023)" to be held at M.P.Nachimuthu M. Jaganathan Engineering College, Tamil Nadu between 18th – 20th October, 2023.	6,500.00
2023-2024	Mr. Balaj Iqbal – Student -Law Deptt., Mentor: Mr. Amit Kuma	Law Students (Balaj Iqbal, Shruti Kumari, Aishwarya Sareen) who had attended 1st Dr. Patangrao Kadam Memorial National Moot Court Competition, 2023 being held at Bharati Vidyapeeth, Institute of Management & Research, New Delhi between 31st March – 1st April, 2023.	3,000.00

2023-2024	Mr. Prateek Singh – Student -Law Deptt. Mentor: Ms. Simran Singh	Law Students (Prateek Singh, Balaj Iqbal & Chharvi Grover) who had attended 4th National Moot Court Competition, 2023 being held at Career Point University, Hamirpur, HP, India between 21st – 22nd April, 2023.	4,000.00
2023-2024	Ms. Sania – Student Law Deptt., Mentor: Dr. Aditi Choudhary	Law Students (Sania & Amisha Chauhan) who had attended NCU Law School National Moot Court Competition (VIII Edition) being held at The Northcap University, HUDA, Sector-23A, Gurugram between 14th -15th April, 2023.	4,000.00
2023-2024	Ms. Chaitanya Handa Student -CST Deptt., Mentor: Dr. Shalu	International Conference on “Artificial Intelligence in Education and Industry 4.0” (IDICAIEI) to be organized by Datta Meghe Institute of Higher Education and Research (Deemed to be University), Sawangi (Meghe), Wardha-442107, Maharashtra between 27th & 28th November, 2023.	4,500.00
2023-2024	Mr. Mukul Sharma, CST Student Mentor: Dr. Shalu	International Conference on “Artificial Intelligence and Information Technologies (ICAIIIT 2023)” to be held at Samarkand State University, Uzbekistan between 3rd & 4th November, 2023.	6,000.00
2023-2024	Prajawal Paul, CST Student Mentor: Dr. Shalu	International Conference on “Artificial Intelligence and Information Technologies (ICAIIIT 2023)” to be held at Samarkand State University, Uzbekistan between 3rd & 4th November, 2023.	6,000.00
2023-2024	Lakshay Verma– Student -CST Deptt., Mentor: Dr. Shalu	International Conference on “Artificial Intelligence and Information Technologies (ICAIIIT 2023)” to be held at Samarkand State University, Uzbekistan between 3rd & 4th November, 2023.	6,000.00
2023-2024	Janvi Taneja – Student -CST Deptt., Mentor: Dr. Shalu	International Conference on “Artificial Intelligence and Information Technologies (ICAIIIT 2023)” to be held at Samarkand State University, Uzbekistan between 3rd & 4th November, 2023.	6,000.00

2023-2024	Mrinal Pandey	Payment from MICSBC Grant Project to attend International Conference on "Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2023)" at Hindustan Institute of Technology, Coimbatore, Tamil Nadu between 9th – 10th November, 2023.	12,500.00
2023-2024	Mrinal Pandey	Payment from MICSBC Grant Project to attend International Conference on "Machine Learning & Data Engineering" to be held at University of Dayton & UPES, Dehradun between 23rd – 24th November, 2023.	7,700.00
2023-2024	Ms. Anju Mishra – Ph.D Scholar - CST Deptt.	10th IEEE UP Section International Conference on "Electrical, Electronics and Computer Engineering (UPCON-2023)" to be held at Amity University, Greater Noida between 1st – 3rd December, 2023.	10,000.00
2023-2024	Parneeta Dhariwal	International Conference on "Artificial Intelligence, Advanced Materials and Mechatronics Systems (AIAMMS-2023)" at School of Engineering & Technology, JECRC University, Jaipur, Rajasthan between 3rd-4th Nov., 2023.	0D
2023-2024	Dinesh Kumar Sharma	28th International Conference on "Nuclear Tracks and Radiation Measurements 28th ICNTRM-2023)" to be held at Guru Gobind Singh Indraprastha University, New Delhi between 6th – 10th November, 2023.	1,240.00
2023-2024	Sanjay Singh	International Conference on "Electrical, Electronics and Computer Engineering (UPCON-2023)" to be held at Amity University, Greater Noida between 1st – 3rd December, 2023.	10,000.00
2023-2024	Gaurav Arora Student - CST Deptt., Mentor: Dr. Manoj Kumar	3rd International Conference on "Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2023)" to be held at Hindustan Institute of Technology in Coimbatore, Tamil Nadu	10,000.00

		between 9th -10th November, 2023.	
2023-2024	Prateek Arora Student - CST Deptt., Mentor: Dr. Urmila Pilania	2nd International Conference on “Automation, Computing and Renewable Systems (ICACRS 2023)” to be held at Mount Zion, College of Engineering & Technology, Pudukkottai, Tamil Nadu between 11th - 13th December, 2023.	6,500.00
2023-2024	Nachiketa Jha Student - CST Deptt., Mentor: Dr. Urmila Pilania	2nd International Conference on “Advancements in Smart Computing and Information Security (ASCIS 2023)” to be held at Marwadi University, Gujarat between 8th - 9th December, 2023.	7,500.00
2023-2024	Tushar Satija Student - CST Deptt., Mentor: Dr. Urmila Pilania	2nd International Conference on “Advancements in Smart Computing and Information Security (ASCIS 2023)” to be held at Marwadi University, Gujarat between 8th - 9th December, 2023.	7,500.00
2023-2024	Neelu Choudhary	10th IEEE UP Section International Conference on “Electrical, Electronics and Computer Engineering (UPCON- 2023)” to be held at Amity University, Greater Noida between 1st – 3rd December, 2023.	10,500.00
2023-2024	Charu Pathak	International Conference on “Emerging Materials, Smart Manufacturing & Computational Intelligence (ICEMSMCI-2023)” to be held at Chitkara University, Punjab between 7th – 8th December, 2023.	10,000.00
2023-2024	Harsh Yadav Student - CST Deptt., Mentor: Dr. Mrinal Pandey	10th IEEE UP Section International Conference on “Electrical, Electronics and Computer Engineering” to be held at Amity University, Greater Noida between 1st – 3rd December, 2023.	8,000.00

2023-2024	Sudeep Batra Student - CST Deptt., Mentor: Dr. Mrinal Pandey	10th IEEE UP Section International Conference on "Electrical, Electronics and Computer Engineering" to be held at Amity University, Greater Noida between 1st – 3rd December, 2023.	7,000.00
2023-2024	Drishti Student - CST Deptt., Mentor: Dr. Mrinal Pandey	International Conference on "Innovative Computing and Communication (ICICC-2024)" to be held at Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi between 16th – 17th February, 2024.	10,000.00
2023-2024	Mr. Ram Chatterjee Asstt. Prof. - CST Deptt.	International Conference "Innovative Data Communication Technologies and Application (ICIDCA-2024)" to be held at RVS College of Engineering & Technology, Coimbatore, India from 10th to 11th January, 2024.	12,500.00
2023-2024	Chaitali Wadhwa, Shaharyar Asaf Khan	International Conference on "Trade and Investment Law: Legal and Economic Perspectives" to be held at Bennett University, Greater Noida on 1st December, 2023.	2,360.00
2023-2024	Jatin Arora Student - CST Deptt., Mentor: Dr. Mamta Arora	IEEE 3rd International Conference on Innovation in Technology (INOCN) to be held in Sai Vidya Institute of Technology, Bangluru, Karnataka between 1st -3rd March, 2023.	9,000.00
2023-2024	Prinima Gupta	International Conference on "Machine Learning and Data Engineering" to be held at UPES, Dehradun from 23rd to 24th November, 2023.	12,100.00
2023-2024	Parneeta Dhariwal	Session a Chair in FDP in Collaboration with ICT Academy on "Microsoft Power BI Data Analyst Associate" to be held at The NorthCap University from 18th to 22nd December, 2023.	1,400.00
2023-2024	Stuti Thakur, Student - CST Deptt. Mentor: Dr. Manoj Kuma	International Conference on "Innovative Data Communication Technologies & Application (ICIDCA 2024)" to held at RVS College of Engineering & Technology, Coimbatore from 10th-11th January, 2024.	10,000.00

2023-2024	Deepti Thakral	“NEP 2020 Orientation Programme” being organized by Jamia Millia Islamia (MMTTC) from 4th to 13th December, 2023.	1,000.00
2023-2024	Poonam Biswas, Student - CST Deptt. Mentor: Prof. (Dr.) Mrinal Pandey	International Conference on “Advances and Applications of Artificial Intelligence and Machine Learning (ICAAAIML 2023)” to be held at Sharda University, Greater Noida from 28th – 29th December, 2024.	7,000.00
2023-2024	Riya Arora, Student - CST Deptt. Mentor: Dr. Mamta Arora	International Conference on “Innovative Computing and Communication (ICICC-2024)” to be held at Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi from 16th – 17th February, 2024.	10,000.00
2023-2024	Narender	International Conference on “Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)” to be held at Bhilai, Chhattisgarh from 11th to 12th January, 2024.	9,000.00
2023-2024	Joginder Singh	International Conference on “Emerging Materials, Smart Manufacturing & Computational Intelligence (ICEMSMCI-2023)” being held at Chitkara University, Punjab from 7th-8th Dec., 2023.	10,000.00
2023-2024	Manpreet Kaur	Workshop on “NEP Orientation & Sensitization Programme” from 26th Dec., 2023 to 4th Jan., 2024 being organized by Malviya Mission Teacher Training Centre (MMTTC), Jamia Millia Islamia, New Delhi.	1,000.00
2023-2024	Chenchupalli Chathurya Student - CST Mentor: Dr. Mamta Arora	International Conference on “Innovative Computing and Communication (ICICC-2024)” to be held at Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi from 16th – 17th February, 2024.	10,000.00
2023-2024	Pradeep Kumar Mouria	International Conference on “Advancement in Material, Manufacturing and Industrial Applications (ICAMMIA-2023)” being held at Meerut Institute of Engineering and Technology,	6,500.00

		Meerut from 26th-27th October, 2023.	
2023-2024	Mamta Kaushik,	Reimbursement of Registration Fees @ Rs. 3,000.00, Travelling Allowance (Train Ticket) and D.A. + Accommodation @ Rs. 10,500/- for attending 26th International Symposium, Electronic Theses and Dissertations (ETD) Symposium 2023 being held at Gandhinagar, Gujarat from 26th-28th October, 2023.	13,500.00 + T.A.
2023-2024	Ms. Kashish Narang, Student – CST Deptt., Mentor: Dr. Meena Chaudhary	International Conference on “Computing, Power, and Communication Technologies (IC2PCT-2024)” to be held at Galgotias University, Noida from 9th – 10th February, 2024.	6,500.00
2023-2024	Mr. Devansh Tiwari, Student – CST Deptt., Mentor: Dr. Meena Chaudhary	International Conference on “Computing, Power, and Communication Technologies (IC2PCT-2024)” to be held at Galgotias University, Noida from 9th – 10th February, 2024.	6,500.00
2023-2024	Ms. Anoushka Pandey, Student – CST Deptt., Mentor: Dr. Mamta Arora	4th International Conference on “Smart Data Intelligence (ICSMDI-2024)” to be held at Kongunadu College of Engineering and Technology, Tamil Nadu, India from 2nd – 3rd February, 2024.	9,000.00
2023-2024	Sunil Kadyan	International Conference on “Global Business Transformation: Now Next and Beyond” to be held at Symbiosis Institute of Business Management, Hyderabad from 30th – 31st January, 2024.	16,000.00
2023-2024	Sampriti Phukan	International Conference on “Sustainability, Technology, Resilience, Innovation, Development and Entrepreneurship (Stride 2023)” to be held at The Northcap University, Gurugram from 14th – 16th December, 2023.	2,000.00

2023-2024	Yogita Sharma	International Conference on "Global Business Transformation: Now Next and Beyond" to be held at Symbiosis Institute of Business Management, Hyderabad from 30th – 31st January, 2024.	5,000.00
2023-2024	Ms. Nikita Mittal, Research Scholar, School of Sciences, Department of Mathematics	International Conference on "Analysis and its Applications (ICAA-2024)" to be held at Jamia Millia Islamia, Department of Mathematics, New Delhi from 19th – 21st January, 2024.	3,000.00
2023-2024	Prashant Bhardwaj	Conference on "SOLARIS-2024, Energy, Ecology & Environment" to be held at Jamia Millia Islamia, Department of Mathematics, New Delhi from 19th – 21st January, 2024.	9,981.00
2023-2024	Piyush Charan		5,246.00
2023-2024	Moditma	Two day conference on aspects of effective teaching	9,970.00
2023-2024	Savita Sharma	Conference on "Mindfulness for Sustainable Business & Innovation"	12,703.00
2023-2024	Mandeep Bhadana	Attended session on "Unnat Bharat: Nurturing Inclusive developement for amrutal" at IIT Delhi	2,760.00

List of Patents Published/Granted

S.No.	Name of Faculty	Title of the Patent	Patent Application Filing Number	Patent Granted Number	Patent Details (Published / Filed / Granted)
1	Priyanka Chadha	Foldable desk cum laptop cooling pad	362657-001	-	Design Patent Published
2	Dinesh Kumar Sharma	Erosion Protection System for Solar PV Panels	202311072581	-	Published
3	Dinesh Kumar Sharma	A Lightning Protection System for Rooftop Solar PV Panels	202311060466	-	Published
4	Dinesh Kumar Sharma	An Enhanced Multi-Beam Interference Utilizing Modified Lens System	202311047089	-	Published
5	Charu Pathak, Piyush Charan & Joginder Singh	IoT Driven Sensor Network Alert System for Detection of Hydrogen Gas Leakage in Distribution Pipelines	202311039870 A	-	Published
1	Pooja Kapoor	Machine Learning Based Health Monitoring Wearable Device	Indian Design Patent 39698 2-001	Indian Design Patent 396982 -001	Registration of Design
2	Piyush Charan	Uranium Purification Device For Water	Indian Design Patent 38720 2-001	Indian Design Patent 387202 -001	Registration of Design
3	Piyush Charan	Portable Computer Tab	Indian Design Patent 39364 4-001	Indian Design Patent 393644 -001	Registration of Design
4	Piyush Charan	Portable Environment Data Monitoring Box	Indian Design Patent 39049 7-001	Indian Design Patent 390497 -001	Registration of Design
5	Tanushri Purohit, Pooja Kapoor, Neeraj Chopra	Device for Tracking the Employee Behaviour Based on Machine Learning	Indian Design Patent 3902 48-001	Indian Design Patent 39024 8-001	Registration of Design
6	Piyush Charan	Glucose Monitoring Device	U.K Design Patent 6304 629	U.K Design Patent 63046 29	Registration of Design
7	Piyush Charan	Pen with Calculator	Indian Design Patent 39049 3-001	Indian Design Patent 390493 -001	Registration of Design
8	Tanushri Purohit	Positron Emission Tomography Functional Magnetic Resonance Imaging Machine for Mental Health	U.K Design Patent- 6296627	U.K Design Patent-6296627	Registration of Design

Sl. No	Department	Name of the Organisation/ Institution/ Industry with whom MoU is signed	Year of signing MoU	Starting and End Date of MOU	Duration of MoU
1	Education	KIIT College of Education, Sohna Road Gurugram	2023-24	28th July 2023 - till date	1 Year
2	DMC	Entrepreneurs media	2024	31.01.2024	3 Years
2	DMC	TATA Steel Limited	2023	29.05.2023-	1 Year
3	DMC	NSIC	2022-23	8.02.2022 -8.02.2023 (not renewed but activities are going on and updation in the process by Dr. Yogita)	1 Year
4	DMC	ISDC	2022-23	17.02.2022-17.02.2025	3 Years
5	Chemistry	KL Mehta Dayanand College for Women	2023-24	27-04-2023 - 26.04.2024	1 Year
6	DMC	MENTORx	2023	18.01.2023 to 17.01.2026	3 Years
7	DMC	Yung Minds	2023	16.01.2023-17-02-2025	2 years
8	DMC (Dr. Yogita Sharma)	AIC IIT Delhi Sonipat Innovation Foundation	2023	28.12.2022 to 27.12.2025	3 Years
9	Dr. Meena Kapahi	UAS International Group of Companies	02.11.2022	02.11.2022 to 1.11.2027	5 Years
10	CST	ICT Academy	2022	01-12-2022 to 04-01-2024	1 year
11	CST	Ureka Education Group	2021-2022	25.07.2021- 24.07.2024	3 Years
12	CST	Xebia	2023 (Renew)	01 .06.2023 -30.05.2028	5 Years
13	DMC	ICAI	2023	06.009.2023 - 05.09.24	1 Year
14	DMC	COMMONWEALTH	2023	7.8.2023- 31.05.2024	7 months
15	ECE	Truechip Solutions Pvt. Ltd.,	2020	21.07.2020- 20.07.2024	4 Years
16	CST	Sofocle Innovation Labs Pvt. Ltd.	2021-22	16.09.2021-15.09.2026	5 Years
17	DMC	Asian Institute of Medical Sciences	2021-2022	25.07.2021- 24.07.2024	3 Years
18	MRSPS	UNESCO MGIEP	2021-22	1.11.2021 -31.01.2023	1 Year
19	CST	Ureka Education Group	2021-22	25.07.2021- 24.07.2024	3 years
20	DMC	Atal Incubation Centre, BIMTECH (Noida) supported by Atal Innovation Mission, NITI Aayog, Government of India	2021-22	13.12.2021- 12.12.2026	5 Years
21	IPR	IPLOEA Pvt. Ltd.	2021-22	15.12.2021- 14.12.2024	3 Years
22	IPR	Centre for New Product Development Trade and Transfer	2021 -22	04.05.2022- 03.05.2025	3 Years
23	Chemistry	Reinste Nano Ventures	2021-22	23.12.2021- 22.12.2024	3 Years
24	CST	Quick Heal Technologies	2020-21	1.07.2020- 30.06.2024	4 Years
25	MRCPS	Institute of Peace Research & Action, Delhi	2019-20	10.02.2020-09.02.2025	5 Years



26	Chemistry	National Council for Cement and Building materials (NCCBM)	2019-20	02.09.2019-01.09.2024	5 Years
27	ECE	Sahai Research Labs, Greater Noida	2018-19	10.06.2019 -10-6-2024	5 Years
28	Chemistry	Vivek International	2018-19	15.05.2019-14.05.2024	5 Years
29	Chemistry	NewGen IEDC, Manav Rachna	2018-19	28.12.2018-27.12.2023	5 Years
30	LAW	Knowledge Steez Eduhub LLP	2024	25-01-2024	