



MANAV RACHNA
UNIVERSITY

Declared as State Private University vide Haryana Act 26 of 2014

MANAV RACHNA UNIVERSITY

ANNUAL REPORT

2022-2023

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“Manav Rachna”

Manav Rachna carries forward the mantle of excellence and professionalism with the philosophy of Manav Rachna.

“Vidyantariksha”

This is a conjunction of the words ‘vidya’ and ‘antariksha’. “Vidya means knowledge, information, the basis of creativity and innovation. It is the foundation of technology and envisages the future. “Antariksha means ‘the sky’, the space which we belong to or exist. It can be broken into ‘antar’ and ‘ikshan’ which means inner vision. Hence the combination, the core promise of Manav Rachna becomes “the reality of inner vision or root of all knowledge”.

OFFICERS OF THE UNIVERSITY



Chancellor
Dr. Prashant Bhalla



Vice Chancellor
Prof. (Dr.) I.K. Bhat



Vice President, MREI
Dr. Amit Bhalla



Pro Vice Chancellor
Prof. (Dr.) Sangita Banga



Registrar
Dr. Kameshwar Singh



Dean Academics
Prof. (Dr.) Shruti Vashist



Dean Resaerch
Prof. (Dr.) Pradeep Kumar Varshney



Dean Students Welfare
Prof. (Dr.) Geeta Thakur



Proctor
Prof. (Dr.) Sudhish Kumar Shukla



Dean Examination
Prof. (Dr.) D. K. Sharma



Deputy Controller of Examination
Ms. Shefali

Deans of School



Dean School of Education and Humanities
Prof. (Dr.) Sangita Banga



Dean School of Sciences
Prof. (Dr.) Pradeep Kumar Varshney



Dean Engineering
Prof. (Dr.) Shruti Vashist



Dean School of Management and Commerce
Prof. (Dr.) Parul Jhajharia



Dean School of Law
Prof. (Dr.) Kanu Priya

Executive Summary

Manav Rachna University (MRU) is a leading State Private University (established vide Haryana State Legislature Act No 26 of 2014 & under Section 2(f) of UGC Act 1956), and recognized by UGC, offering globally relevant education. MRU is listed on the official website of the Government of Haryana. The University evolved from Manav Rachna College of Engineering (MRCE), which was established in 2004. The Campus is spread over approximately 10.48 acres with a built-up area of about 21982.46 sq.mts. University campus just 15 Km away from South Delhi, provides state-of-the-art facilities and ambience for a conducive learning environment.

A well-established teaching and learning process guided by global best practices and a culture of academic excellence promoting research, innovation & and entrepreneurship. Programs offered at the School of Engineering, School of Law, and School of Education and Humanities are approved by the respective regulatory bodies like AICTE, BCI, NCTE & and RCI.

Manav Rachna University is among the Top 2 Emerging Engineering Institutions of India and has been ranked the No. 1 Engineering Institution in India for Research Capability & Placements in the Times Engineering Survey 2022. The University has been bestowed with QS I-GAUGE, overall DIAMOND rating. It has received QS I-GAUGE DIAMOND RATING for Excellence in Teaching and Learning, Faculty Quality, Facilities, and Social Responsibility, and QS I-GAUGE PLATINUM RATING for Employability and Academic Development.

Manav Rachna University has been recognized as a valuable Swayam-NPTEL local chapter with rating of 'A'. Innovation Incubation Council (IIC) of MRU established under AICTE- Ministry of Innovation Cell, GOI received 3 Star Rating for the year 2021-22. University has collaborated with the leading universities and Institutions both at global and national level for delivering the best education to its students. It has strong industry connections for the design and delivery of various courses.

The University has undertaken a comprehensive curriculum enhancement, aligning itself with contemporary trends and staying abreast of cutting-edge developments. The academic program now encompasses an array of innovative courses, including but not limited to Artificial Intelligence, Machine Learning, Data Analysis, Mechatronics, Robotics, Nanotechnology, Financial Management, and HR Management. This strategic evolution is geared towards equipping students with the skills necessary for leadership roles in the future.

At MRU, the educational methodology is thoughtfully designed to instill students with a strong grounding in fundamental principles, enabling them to skillfully apply theoretical knowledge to real-world complexities. Additionally, the curriculum empowers students with the ability to conceptualize, build, and analyze a wide range of products, processes, and systems. The pedagogical framework is inspired by global best practices, ensuring a meticulous alignment with the development of Global Graduate Attributes as endorsed by reputable professional bodies and societies.

The academic process is outcome based and ensures development of the desired skill set. Choice Based Credit System provides flexibility to the students to take courses from the areas of their interest. Learner Centric Education with latest pedagogical approaches like active learning, collaborative and cooperative learning and agile methodology ensures holistic development of graduates who understand the impact of their actions/decisions on the society and environment.

The University is committed to making Sustainable Development a focal point for Research and Innovation. Graduate students undergo research training that equips them to be the next generation of leaders, well-prepared to advance knowledge and facilitate the transfer of technology. Industry collaboration is fostered through Live Projects, providing undergraduate students with opportunities to work on real-world challenges and develop innovative solutions. The creation of new knowledge by both students and faculty through research and innovation is actively shared with the wider community. This dissemination is achieved through the publication of books, research papers in reputable journals, and the filing of patents. The dedication and hard work of faculty and students are recognized through awards and accolades received at various forums. Understanding the significance of entrepreneurial skills, the University has established a Business Incubation Centre, reinforcing its dedication to fostering and endorsing entrepreneurial initiatives within the academic community.

The University consistently solicits feedback from all stakeholders, thoroughly analyze it, and implement necessary actions. Acknowledging the imperative for quality assurance, we have implemented appropriate measures in that regard. Our commitment to transparency in all operations and a steadfast emphasis on honesty and sincerity has earned us respect, establishing the University as the preferred choice for both faculty and students in Northern India

CHAPTER: 1

ABOUT THE UNIVERSITY

1.1 Approval of Statutory Bodies

Manav Rachna University is a State Private University (established by Haryana State Legislature Act No 26 of 2014 & under section 2(f) of UGC Act 1956). The University has evolved from Manav Rachna College of Engineering (MRCE), a NAAC Accredited 'A' Grade institute.

1.2 Vision

Manav Rachna University envisions to educate students in frontier areas of knowledge enabling them to take up challenges as ethical and responsible global citizens.

1.3 Mission

- To impart outcome-based holistic education
- To disseminate education in frontier areas
- To produce globally competitive, ethical, and socially responsible human resources
- To produce human resources sensitive to issues of Environment and Sustainable Development
- To develop Environment and Sustainable development as thrust area of research and development.

1.4 Governance

Manav Rachna University is guided and mentored by robust committees of stalwarts across academic, administrative and financial verticals. The boards and committees, their distinguished members and other important details are listed as follows: members and other important details are listed as follows:

S. No	Boards and Committees
1.4.1	<p>Governing Body The Governing body is the highest decision-making authority of the University. All the movable and immovable property of the University vests in it. The Governing Body provides general superintendence and direction to the University and in particular, regulates and controls the functioning of the University by the provisions of the applicable Acts, Statutes, Ordinances, Rules, Regulations, Notifications and Orders etc. The 19th Governing Body was held on 17.12.2022 and 20th was held on 03.06.2023 In the academic year 2022-23.</p> <p>Members</p> <ol style="list-style-type: none"> 1. Dr. Prashant Bhalla, Chancellor/Chairman 2. Dr. Amit Bhalla, Vice President, MREI 3. Prof. I.K. Bhat, Vice Chancellor 4. Dr. Anita Chaudhary, IAS (Retd.) Former Secretary, GOI 5. Dr.Sunidhi,Principal,Nominee to secretaryGCG Faridabad 6. Sh. Amit Kumar, FCA 7. Col. (Retd.) V.K. Gaur, Advisor, MREI 8. Dr. N.C Wadhwa, DG, MREI 9. Prof. Sanjay Srivastava, VC MRIIRS 10. Shri Manish Kumar Ex-MD and CEO NSDC 11. Prof.Sangita Banga,PVC,MRU 12. Prof.Shruti Vashist ,Dean Academics, MRU 13. Dr. Kameshwar Singh, Registrar, MRU, Member Secretary
1.4.2	<p>Board of Management The Board of Management (BoM) is the Chief Executive body of the University and works under the overall directions of the Governing Body. The role of BoM is to establish and monitor the achievement of the University's mission and Objectives. This includes, formulation and monitoring of academic standards, benchmarks and goals; establishment of academic and research units; supervision of the University's finances and budgetary processes; conducting institutional performance evaluations; compliance of the University's statutory and regulatory responsibilities; liaison with external agencies and evaluation of the performance of the senior University functionaries. In academic year 2022-23 the 20th BOM was held on 17.12.2022 and 21st on 03.06.2023.</p> <p>Members</p>

	<ol style="list-style-type: none"> 1. Prof. I.K. Bhat, Vice Chancellor, MRU- Chairperson 2. Dr. Amit Bhalla, Vice President, MREI 3. Prof. (Dr.) V.K. Mahna, Ex-Pro-VC, MRU 4. Sh. Rajeev Kapoor, ED & Group HR-Head, Uno Minda Industries 5. Mr. Navdeep Chawla, President – MD Psychotropic India Ltd 6. Shri Manish Kumar Ex-MD and CEO NSDC 7. Dr. Sunidhi, Principal, Nominee to secretary GCG Faridabad 8. Prof. Sangita Banga, PVC, MRU 9. Prof. Shruti Vashist, Dean Academics, & Dean Engineering MRU 10. Prof. Pardeep Kumar Varshney, Dean-Research, MRU 11. Dr. Meena Kapahi, Professor, Chemistry 12. Dr. Sudish Shukla, Professor, Chemistry 13. Dr. Kameshwar Singh, Registrar, Member Secretary
1.4.3	<p>Academic Council The Academic Council is the principal academic body of the University. It exercises general supervision over the academic policies of the University, subject to the provisions of the Act, Statutes, Ordinances of the University, The Academic Council is responsible for evaluation and approval of overall educational policy, academic degree programs, requirements for admission, academic honors and awards etc. at the University. In academic Year 2022-23 the Academic Council met thrice for 19th AC on 10.12.22 and 21st AC on 30.5.2023</p> <p>Members</p> <ol style="list-style-type: none"> 1. Prof. I.K. Bhat, Vice Chancellor-Chairman 2. Prof. Raj Senani, Professor Emeritus & Former Director, NSIT now, Netaji Subhash University of Technology, Delhi 3. Prof. M.L. Singla, Fmr Professor, Faculty of Management Studies, University of Delhi 4. Prof. Vikram Goel, Professor, Computer Science and Engineering, IIIT Delhi, Delhi 5. Prof. (Dr.) S.K. Garg, Professor, Delhi Technical University 6. Dr. Kanupriya Sachdeva, Professor, MNIT, Jaipur 7. Prof. Sangita Kansal, Delhi Technological university, DTU 8. Dr. V.K. Ahuja, H'VC, NLU and Judicial Academy, Delhi 9. Prof. D. Kumar, Professor, Chemistry, DTU 10. Prof. Anita Rastogi, Professor, JMI, Delhi 11. Prof. Sangita Banga, PVC 12. Prof. Parul Jhaharia, Dean-Management and Commerce, MRU 13. Prof. Pardeep Kumar Varshney, Dean-Research, MRU 14. Prof. Kanupriya Dean-School of Law, MRU 15. Dr. Geeta Thakur, DSW, MRU 16. Prof. Shruti Vashisht, Dean Academics and Engineering, MRU 17. Dr. Hanu Bhardwaj, HoD, CST 18. Dr. Pragati Chauhan, HoD Mgmt 19. Dr. Arpit Sand, Prog.Head Chemistry 20. Dr. Rashee Singh, HoD, Education and Humanities 21. Dr. S.K. Bose, Associate professor, Law 22. Dr. Subodh Saluja, Associate Professor, Management 23. Dr. Charu Pathak, HoD, ECE 24. Shri Joginder Singh, HoD, M.E. 25. Dr. Savita Sharma, Asso Professor, Education 26. Dr. Jyoti Pruthi, Professor, CSE 27. Dr. Sandeep HoD-Physics and Sciences 28. Dr. Aparna Vyas, Prog Head Maths 29. Dr. Meena Kapahi, Professor, Chemisrty 30. Dr. Deepa Arora, Asso Prof Maths 31. Prof Susmita Ray, Professor, CSE 32. Dr. Manpreet Kaur, HoD CSE 33. Dr. K. Singh, Registrar (Member-Secretary)
1.4.4	<p>Finance Committee The Finance Committee is the principal financial body of the University. The main task of the Committee is to take care of the Financial matters of the University. In academic year 2022-23 the Finance Committee met twice i.e. on 10th December 2022 and 29th March 2023.</p> <p>Members</p> <ol style="list-style-type: none"> 1. Prof (Dr.) I.K Bhat, Vice chancellor

	<ol style="list-style-type: none"> 2. Dr. Amit Bhalla, Vice President, MREI 3. Mr. Atul Kalra, Director Administration w.e.f 08.08.2022) 4. Prof. Sangita Banga & Dean Academics, MRU 5. Sh. Amit Kumar, FCA 6. Dr. Kameshwar Singh, Registrar MRU 7. Mr. S. K. Jha) , Chief Finance & Accounts Officer, Member Secretary
1.4.5.	<p>Advisory Board School of Law The Advisory Board is constituted to advise, guide, supervise, and steer the holistic growth of the faculty of law to take it to greater heights. In the academic year 2022-2023, the Advisory Board met on 06th April 2023.</p> <p>Members</p> <ol style="list-style-type: none"> 1. Hon'ble Mr. Justice UU Lalit, (Former Chief Justice of India) Chairperson 2. Hon'ble Ms. Justice Gita Mittal (Former Chief Justice of J&K HC) Member 3. Hon'ble Mr. Justice KK Lahoti (Former Acting Chief Justice of MP HC) Member 4. Hon'ble Mr. Justice Kailash Gambhir (Former Judge, Delhi HC) Member 5. Hon'ble Mr. Justice Rajive Bhalla (Former Judge, P&H HC) Member 6. Mr. Atmaram Nadkarni (Senior Advocate) Member 7. Mr. Arvind P. Datar (Senior Advocate) Member 8. Mr. Ravindra Shrivastava (Senior Advocate) Member 9. Mr. Parag Tripathi (Senior Advocate) Member 10. Mr. PK Malhotra (Former Law Secretary), Member 11. Mr. Gourab Banerji (Senior Advocate) Member 12. Mr. Vinay Bhasin (Senior Advocate) Member 13. Mr. Sanjeev Sharma (Senior Advocate) Member 14. Mr. Gopal Jain (Senior Advocate) Member 15. Mr. Ashok Gupta (Senior Advocate) Member 16. Mr. Jasbir Singh Bajaj (Retd. IAS) Member 17. Mr. RK Bajaj (Former IT Commissioner) Member 18. Mr. Sudhir Sharma (Senior Partner DSK Legal) Member 19. Mr. Shashank Garg (Advocate & Convenor) Member 20. Mr. Divyakant Lahoti (AOR) - Special invitee
1.4.6	<p>Advisory Board Manav Rachna Centre for Peace & Sustainability The Advisory Board is constituted to advise, guide, supervise, and steer the holistic growth of the Centre to take it to greater heights.</p> <p>Members</p> <ol style="list-style-type: none"> 1. Dr. Karan Singh (Indian politician, philanthropist and poet), Chairman 2. Dr. Prashant Bhalla, Chancellor 3. Dr. Amit Bhalla, Vice President, MREI 4. Hon'ble Mr. Justice R.C. Lahoti (Former CJI) 5. Swami Gyananandji, Spiritual Guru, G.I.E.O. Gita & Shri Krishan Kripa Sewa Samiti 6. Dr. Ved Prakash, Former Chairman, University Grant Commission 7. Dr. Muzaffer Ahmad, Former Director General health Govt of J&K 8. Dr. Rajendra Shende, Chairman Terre Policy Centre 9. Dr. Meenakshee Gopinathan, Indian educationist, political scientist, writer 10. Dr. Anand Prakash, Professor & Head, Department of Psychology, Delhi University 11. Mr. Vishesh Gupta, Chairperson and Board of Directors of Bharat Soka Gakkai (BSG) 12. Dr. Jyotsna Singh, Director, Dara Shikoh Centre, J & K. Amar Mahal Museum & Library, J & K 13. Dr. Sushila Bhan, Chairperson, Institute for Peace Research & Action 14. Gen S. P. Kochhar, Retired Signal Officer in Chief- Indian Army 15. Mr. Anuj Sinha, Chairman of the Board at Network of Organisations for S&T Communication 16. Prof. Sanjay Srivastava, MD MREI & VC MRIIRS 17. Prof (Dr.) I.K Bhat, Vice Chancellor 18. Dr. Geeta Thakur (Member Secretary)

1.5 Other Committees of the University

A well-organized University set up requires a lot to be monitored for smooth functioning and overall excellence. To name a few, attendance, feedback, and course uploading in this regard. Managing this entire gamut is not a one-man show but it requires a collaborative effort from all staff members. University therefore works in a more

decentralized manner through its various committees. These committees are empowered, have more autonomy and thus help in quick decision making. All the committees are headed by coordinators with defined roles and responsibilities to perform.

COMMITTEES		
Committee Name	Coordinator & Team Members	Roles and Responsibility
Board of Discipline (Vide office order dated 06.09.2022)	Prof. S.K. Shukla – Proctor	To consider the matter concerning the maintenance of discipline among the students in the University
	HoD concerned and Hostel warden to which act of indiscipline pertain – Member	To enquire into the act of indiscipline or misconduct committed by a student(s) whenever such cases are referred to the Board of Discipline and to submit their findings, conclusions, and recommendations for the quantum of punishment under the provision of this ordinance.
	Dr. Sandeep Kumar, Associate Professor, Physics- Member	To supervise and monitor the discipline ecosystem prevailing in the University
	Prof. Ajit, Associate Professor, ME	To maintain liaison with the police authorities and concerned departments of the Government, neighboring institutions, and the authorities of the University regarding the maintenance of law and order in the University.
	Dr. Yogita Khanna Associate Professor – Member	To organize counseling sessions and liaise with parents of the guardians of the students.
	Mr. Bhartendu Aggarwal Assistant Professor- Law	To perform such other functions as may be assigned to it by the Vice Chancellor from time to time.
	Ms. Shefali Chopta, DR (Academics), Member Secretary	
Annual Report 22-23 vide office order dated 08.06.2023	Mr. A.K. Mishra, Sports Office and Manager Operations- Permanent Invitee	
	Prof. Shruti Vashist Dean Academics – Chairperson	The committee shall function under the overall supervision and patronage of the Dean Academics and will be required to submit the Draft Annual Report within two months time.
	Dr. Deepa Arora, Assoc. Prof. Maths, Prof. CSE- Convenor.	
	Dr. Aastha Mehta, Assoc. Prof. Law	
	Dr. Ritu Sharma- Asstt. Professor Edu. – Member	
	Dr. Niharika Thakur, Asstt. Professor, ECE- Member	
	Ms. Sampriti Phukan, Asstt. Prof law- Member	
Ms. Chandni Magoo, Asstt. Professor CSE – Member		
Anti-Ragging Committee	Prof. Shruti Vashist- Chairperson	To make surprise raids on hostels, and other vulnerable places having the potential of, ragging

		and will be empowered to inspect such places To conduct an on-the-spot inquiry into any incident of ragging referred to it by the Head of the University or any member of the Faculty or any member of the staff or any student or any parent or guardian or any employee of a service provider or any other person
	Prof. Manpreet Kaur-Member	
	Prof. Charu Pathak-Member	
	Prof. Joginder Singh-Member	
	Dr. Pragati Chauhan-Member	
	Dr. Sandeep Kumar-Member	
	Dr. Rashee Singh-Member	
	Dr. Aditi Chaudhary-Member	
	Dr. Kameshwar Singh	
Grievance Redressal Committee	Prof. Sangita Banga, Dean Academics-Chairperson	The Committee shall deal with all the Grievances directly which are related to the common problems at Department/ University level both Academic and Administrative.
	Prof. Shruti Vashist	
	Prof. D. K. Sharma	
	Mr. Ajit Katiyar, Proctor	
	A representative of the students (to be nominated by the Chairperson)	
Internal Complaint Committee	Prof. Kanupriya, Dean-Law, - Chairperson	Ensure awareness and orientation on the sexual harassment at work place
	Prof. Manpreet Kaur, HoD, CST	Ensure complaint committee is trained in both skill and capacity.
	Prof. Tanushri Purohit, Professor, MGMT	Prepare an annual report and report to the Vice Chancellor
	Dr. Sanjay Singh, Assoc. Professor,	
	Dr. Archana Bhatia, Chairperson, Nari Uthan Shikshan Shashaktikaran - Member	
	Ms. Sakshi Choudhary, Coordinator, Education	
	Mr. Bharat Bhushan, Sr. Executive (Academics)	
	Dr. Archana Bhatia, Chairperson, Nari Uthan Shiksha Shashktikaran	
Three Students (Comprising of at least one girl student) of Pre-final/Final year nominated by Chairperson, ICC		

University/Central level Procurement Committee	Prof. Sangita Banga, PVC-Chairperson
	Dr. Ajit, Professor, ME
	Dean of School & HoD of Indenting Department-Member
	Registrar, MRU
	Sh. S.K. Jha, CFO
	Mr. Baldev Nagpal, GM-Purchase

CHAPTER: 2

ACADEMICS AT MRU

Manav Rachna University, evolved in the year 2014 under the Haryana State Legislature Act No. 26 of 2014 has been humming with activity over several years and has advanced in every way. By implementing modern, cutting-edge, and need-based programs at both the undergraduate and graduate levels, the university has improved its reputation as an academic institution. In particular, the University has introduced integrated programs in education, Law, and the Humanities as well as cross-disciplinary courses in Engineering, Applied Sciences, and other fields, to name just a few.

Manav Rachna University is bestowed with QS I-Gauge Gold rating. In recognition of the digital transition and the university's level of readiness for online education amid the global pandemic, QS I-Gauge has certified Manav Rachna University as a globally recognized and benchmarked higher education institution providing online education. According to the Times Engineering Institutes Survey 2022, Manav Rachna University is one of the Top 3 rising Engineering Institutes in the country. In terms of placement and research capability, it is also one of the most promising and developing institutes.

The university is a regional NPTEL chapter and has been designated as a Nodal Centre for Virtual Labs in partnership with IIT, Delhi. Manav Rachna University's Faculty of Law is honored to be a Foundation Member of the LSAC Global Law Alliance – a group of colleges and universities that provide the highest quality legal education to India's future lawyers. All the programs offered under the Faculty of Education are NCTE approved.

2.1 Schools of the University

- 2.1.1. School of Sciences
- 2.1.2. School of Engineering
- 2.1.3. School of Management and Commerce
- 2.1.4. School of Education and Humanities
- 2.1.5. School of Law

Under the five Schools, there exist different departments offering Undergraduate; Post Graduate and Doctoral Programs.

2.1.1 School of Sciences:

2.1.1.1 Program Chemistry

- M.Sc.: Chemistry (2 year)
- Ph.D.

2.1.1.2 Program Mathematics

- M.Sc.: Mathematics (2 year)
- Ph.D.

2.1.1.3 Program Physics

- M.Sc.: Physics (2 year)

- Ph.D.

2.1.2. School of Engineering:

2.1.2.1 Department of Computer Science and Technology

• B.Tech. (4 year) / B.Tech. Lateral Entry (3 years) Computer Science & Engineering
With Specialisation in AI and Machine Learning, Cloud, DevOps and automation, Cyber Security and Threat Intelligence

- B.Tech. Robotics and AI (4 years)
- M.Tech. Computer Engineering (2 year)
- Ph.D.

2.1.2.2 Department of Electronics and Communication Engineering

- B.Tech. (4 year) / B.Tech. Lateral Entry (3 years) Electronics & Communication Engineering
- M.Tech Electronics & Communication Engg. (Embedded System and VLSI)
- Ph.D.

2.1.2.3 Department of Mechanical Engineering

- B.Tech. (4 year) / B.Tech. Lateral Entry (3 years) Mechanical Engineering, with specialization in Smart Manufacturing and Automation
- M.Tech. (2 year): Mechanical Engineering
- Ph.D.

2.1.3. School of Management and Commerce:

2.1.3.1 Department of Management and Commerce

- Bachelor of Business Administration
- Bachelor of Business Administration (BBA- Finance & Accounts) in association with the Banking, Financial Services and Insurance Sector Skill Council of India (BFSISSC)
- Integrated with CMA Program, USA and endorsed by Institute of Management Accountants, USA.
- Bachelor of Business Administration (BBA- Business Analytics). in association with The Institute of Analytics (IoA)
- Bachelor of Business Administration (BBA- Entrepreneurship & Family Business. in association with National Small Industries Corporation (NSIC) and NEN
- Bachelor of Business Administration (BBA- Health Care Management) in association with leading hospitals of Delhi NCR like Asian Hospitals, Sarvodya, Amrita Hospitals, Paras, B L Kapoor India.
- Bachelor of Business Administration (BBA-Global Operations Management).
- MBA- Business Analytics in collaboration with ISDC
- Ph.D.

2.1.4. School of Education and Humanities:

2.1.4.1 Department of Education and Humanities

- Integrated B.Sc. B.Ed. (4 year)
- Integrated B.A. B.Ed. (4 year)
- B.Ed. (2 year)
- Ph.D.

2.1.5. School of Law:

2.1.5.1 Department of Law

- B.A. LL.B. (Hons.) (5 years)
- BBA. LL.B. (Hons.) (5 years)
- LL.B (3 Years)
- LL.M. (1 year)
- LL.M. (2 years)
- Ph.D.

2.2 Doctoral Program:

Manav Rachna University is a multidisciplinary & interdisciplinary research-driven University. University invites online Applications from eligible candidates for admission to Doctoral (Ph.D.) Program as per UGC Minimum

Standards and Procedures for Awards of M. Phil/ Ph.D. Degree Regulations, 2016 dated 05.05.2016 published in the Gazette of India dated 05/07/2016.

AREAS OF EXPERTISE AVAILABLE IN THE DEPARTMENTS

Significant research is being done in all of the faculties. The University offers full-time Ph.D. programmes in a number of Faculties in an effort to maintain the research zeal. In general, the following key areas are the focus of research:

1. Computer Science & Technology: - Artificial Intelligence, Pattern Recognition, Machine Learning, Data Mining, Big Data Analysis, Block chain Technology, Search Engine and Hidden Web, Education Technology, Green Computing, Soft Computing, Genetic Algorithms, Communication Systems & Networks, Network Security, Computational Models & Optimization.

2. Electronics & Communication: - Antenna Design, Affordable Healthcare Devices, Human Machine Interaction, Digital Filter Design, Computer Vision and Image Processing, Digital Hardware Design for Biomedical Instruments, VLSI Design, Power System Analysis, Internet of Things, Embedded System Design, Wireless Communication, Energy Harvesting, Solar Cells.

3. Mechanical Engineering: - Tribology-Thin Film Lubrication (EHL/micro-EHL), Wear Phenomena, Friction and (scuffing) Failure Phenomena, Solar Energy and its Applications, Turbo-machines, Thermal Engineering, Fluid Mechanics

4. Management: - Finance, Management, Accounting Strategy, Marketing, Human Resources, Organizational Behavior, Operations, Supply Chain Management, Banking, Insurance, Green Management, Entrepreneurship, Consulting.

5. Physics: - Electronic Structure Calculations, Simulation of Laser-Plasma acceleration, Photonics: Short Radiation Pulse Generation, Laboratory Astrophysics Simulation, Ionospheric Physics, Nanotechnology, Nanoscience, Multiferroics Materials, Spintronics, Organic Solar Cells and Solid State Physics

6. Mathematics: -Algebra, Analysis, Ring Theory, Differential Geometry, Coding Theory, Wavelets, Approximation Theory, Fluid Mechanics, Mathematical Modelling, Operations Research.

7. Chemistry: -Green Chemistry- Green Synthesis of Biofuels, Heterocyclic Compounds, Electrochemical Batteries, Water Detoxification, Corrosion, Heavy Metal Toxicity, Polymer Chemistry, Composites Polymer Electrolytes, Superabsorbent Polymers/Hydrogels, Catalysis, Molecular Modeling, Detoxification by Natural Adsorbents.

8. Education: - Assessment and Evaluation, Educational Psychology, E-learning, School Management and Administration, Curriculum Development, Value Education, Innovative Pedagogies, Research-Based Teacher Education, Peace and Sustainability.

9. Law: - International Arbitration, Corporate Law, Intellectual Property Rights Law, Human Rights, Constitutional Law, Public Law and Policy, Crime and Criminology, Trade Law, Business Law, Competition Law.

No. of seats are dynamically contingent upon the number of available supervisors & other learning resources.

Currently 89 scholars are registered for the doctoral program at MRU under different faculties.

2.3 Teaching Learning Process

At Manav Rachna University, the educational approach is student-centered, necessitating a shift in thinking and instructional methods. Departments have incorporated diverse teaching methodologies, including Flipped Classroom learning, active participation, peer-to-peer collaborative learning, and simulation-based learning.

Recent years have seen faculty actively seeking innovative ways to enhance teaching and learning, notably through increased technology integration. This integration has led to more engaging and interactive learning experiences, improving outcomes. This note delves into the role of technology in faculty innovations, the challenges of adopting new teaching methods, and potential solutions.

- **Student-Centered Learning:** Emphasizes active student participation.
- **Innovative Teaching Methods:** Flipped Classroom, collaborative learning, simulation-based learning.
- **Technology Integration:** Enhances engagement and learning outcomes.

Role Play Activity:

Students participate in engaging and entertaining role-playing exercises in the class, where they act out scenarios reflecting the themes of the texts. This transforms the classroom into a dynamic stage, enhancing their critical thinking and communication skills while deepening their understanding of characters. The immersive experience allows students to explore different perspectives and the nuances of human behavior, enriching their comprehension of the literature and fostering a collaborative and vibrant learning environment.



Collaborative Activity

Collaborative and Flipped Classroom Learning in Higher Education

Collaborative learning, where students work together to solve problems, complete projects, and share ideas, is increasingly popular in higher education. While it offers many benefits, it also presents challenges that faculty must address to ensure effective learning.

Flipped Classroom-Based Learning: In this approach, students are introduced to learning material beforehand and asked to prepare and apply the topics. They present their understanding to peers, allowing teachers to facilitate and support learning rather than just lecturing. Some faculty have adopted this pedagogy, enhancing student engagement and mastery of the subject.



Peer-to-Peer Learning

Peer-to-peer learning is a powerful tool for student engagement and retention. Faculty play a crucial role in facilitating this type of learning by creating a supportive and collaborative environment for students to work together.



2.4 Faculty Members of the University

MRU FACULTY LIST			
S. No.	Employee Name	Designation	Department
1	Sangita Banga	Professor	Chemistry
2	Megha Bansal	Professor	Chemistry
3	Sudhish Kumar Shukla	Professor	Chemistry
4	Arpit Sand	Associate Professor	Chemistry
5	Priti Gupta	Assistant Professor	Chemistry
6	Ekta Rawat	Assistant Professor	Chemistry
7	Roopa Rani	Assistant Professor	Chemistry
8	Jaya Tuteja	Assistant Professor	Chemistry
9	Shilpa Sharma	Assistant Professor	Chemistry
10	Pradeep Kumar Varshney	Professor	Chemistry
11	Meena Kapahi	Professor	Chemistry
12	Harsha Devnani	Assistant Professor	Chemistry
13	Jayamani	Assistant Professor	Chemistry
14	Deepa Arora	Associate Professor	Mathematics
15	Seema Aggarwal	Assistant Professor	Mathematics
16	Dinesh Tripathi	Associate Professor	Mathematics
17	Savita Saini	Assistant Professor	Mathematics
18	Ramapati Maurya	Assistant Professor	Mathematics
19	Aparna Vyas	Associate Professor	Mathematics
20	Advin Masih	Assistant Professor	Mathematics
21	Ruchi Gupta	Assistant Professor	Mathematics
22	Ankita Gaur	Assistant Professor	Mathematics
23	Yogendra Kumar Sharma	Professor	Mathematics
24	Kamlesh Kumar	Assistant Professor	Mathematics
25	Bhawna Singla	Assistant Professor	Mathematics
26	Jai Parkash	Associate Professor	Physics

27	Dinesh Kumar Sharma	Professor	Physics
28	Haider Abbas	Professor	Physics
29	Deepti Maikhuri	Assistant Professor	Physics
30	Anshuman Sahai	Assistant Professor	Physics
31	Ananna Bardhan	Assistant Professor	Physics
32	Aditya Sharma	Assistant Professor	Physics
33	Sandeep Kumar	Associate Professor	Physics
34	Sachin Lakra	Professor	Computer Science and Technology
35	Hanu Bhardwaj	Professor	Computer Science and Technology
36	Jyoti Pruthi	Professor	Computer Science and Technology
37	Prinima	Professor	Computer Science and Technology
38	Agha Imran Husain	Assistant Professor	Computer Science and Technology
39	Neelu	Assistant Professor	Computer Science and Technology
40	Shalu	Assistant Professor	Computer Science and Technology
41	Mrinal Pandey	Associate Professor	Computer Science and Technology
42	R Girija	Associate Professor	Computer Science and Technology
43	Ram Chatterjee	Assistant Professor	Computer Science and Technology
44	Deepanshi Gupta	Assistant Professor	Computer Science and Technology
45	Priyanka Gupta	Assistant Professor	Computer Science and Technology
46	Manoj Kumar	Assistant Professor	Computer Science and Technology
47	Urmila	Associate Professor	Computer Science and Technology
48	Narender	Assistant Professor	Computer Science and Technology
49	Meena Chaudhary	Assistant Professor	Computer Science and Technology
50	Gunjan Chandwani	Assistant Professor	Computer Science and Technology
51	Mamta Arora	Assistant Professor	Computer Science and Technology
52	Anup Singh Kushwaha	Assistant Professor	Computer Science and Technology
53	Sanjay Kumar	Assistant Professor	Computer Science and Technology
54	Manpreet Kaur	Professor	Computer Science and Technology
55	Parneeta Dhaliwal	Professor	Computer Science and Technology
56	Susmita Ray	Professor	Computer Science and Technology

57	Anu Priya Sharma	Assistant Professor	Computer Science and Technology
58	Harsh Bhasin	Assistant Professor	Computer Science and Technology
59	Sanjay Singh	Associate Professor	Computer Science and Technology
60	Alpana	Assistant Professor	Computer Science and Technology
61	Chandni Magoo	Assistant Professor	Computer Science and Technology
62	Charu Jain	Associate Professor	Computer Science and Technology
63	K.Deepa	Associate Professor	Computer Science and Technology
64	Maneesha Singh	Adjunct Faculty	Computer Science and Technology
65	Deepti Thakral	Associate Professor	Computer Science and Technology
66	Shailja Gupta	Assistant Professor	Computer Science and Technology
67	Rashmeet Toor	Assistant Professor	Computer Science and Technology
68	Ankur Kumar Agrawal	Assistant Professor	Computer Science and Technology
69	Nitika	Associate Professor	Computer Science and Technology
70	Shiv Kumar Dixit	Assistant Professor	Electronics and Communication Engineering
71	Meenakshi Gupta	Associate Professor	Electronics and Communication Engineering
72	Lokesh Bhardwaj	Assistant Professor	Electronics and Communication Engineering
73	Yogita Gupta	Associate Professor	Electronics and Communication Engineering
74	Bhanu Pratap Chaudhary	Assistant Professor	Electronics and Communication Engineering
75	Vijay Kumar Gill	Assistant Professor	Electronics and Communication Engineering
76	Niharika Thakur	Assistant Professor	Electronics and Communication Engineering
77	Shruti Vashist	Professor	Electronics and Communication Engineering
78	Charu Pathak	Professor	Electronics and Communication Engineering

			Engineering
79	Ajit	Professor	Mechanical Engineering
80	Sanjay Taneja	Associate Professor	Mechanical Engineering
81	Joginder Singh	Professor	Mechanical Engineering
82	Jai Prakash Sharma	Assistant Professor	Mechanical Engineering
83	Piyush Mahendru	Assistant Professor	Mechanical Engineering
84	Gianender	Assistant Professor	Mechanical Engineering
85	Nazish Ahmad Shamsi	Assistant Professor	Mechanical Engineering
86	Prashant Bhardwaj	Assistant Professor	Mechanical Engineering
87	Pradeep Kumar Mouria	Assistant Professor	Mechanical Engineering
88	Vineet Dubey	Assistant Professor	Mechanical Engineering
89	Mandeep Bhadana	Assistant Professor	Mechanical Engineering
90	Babita Sharma	Associate Professor	Education
91	Ridhi Khanna	Assistant Professor	Education
92	Rashee Singh	Associate Professor	Education
93	Savita Sharma	Assistant Professor	Education
94	Ritu Sharma	Assistant Professor	Education
95	Geeta R . Thakur	Professor	Education
96	Sharv Datt Anand	Assistant Professor	Education
97	Chandra Prakash Singh	Assistant Professor	Education
98	Pooja Parmar	Assistant Professor	Education
99	Kiran Gupta	Associate Professor	Education
100	Nibedita Hazarika	Assistant Professor	Law
101	Vandana Garg	Assistant Professor	Education
102	Bushra Sumaiya	Assistant Professor	Education
103	Supriya Dang	Assistant Professor	Education
104	Kriti Dagar	Assistant Professor	Education
105	R.K Sanayaima Singh	Assistant Professor	Law
106	Reshma Bhowan	Assistant Professor	Education
107	Akhilesh Kumar Dwivedi	Associate Professor	Humanities

108	Chhavi Kulshrestha	Associate Professor	Law
109	Pragati Chauhan	Associate Professor	Management and Commerce
110	Pooja Kapoor	Associate Professor	Management and Commerce
111	Parul Jhajharia	Professor	Management and Commerce
112	Rashi Banerji	Assistant Professor	Management and Commerce
113	Manmeet Nag	Associate Professor	Management and Commerce
114	Subodh Saluja	Associate Professor	Management and Commerce
115	Srishti Bathla	Assistant Professor	Management and Commerce
116	Animesh Singh	Associate Professor	Management and Commerce
117	Yogita Sharma	Associate Professor	Management and Commerce
118	Shweta Goel	Associate Professor	Management and Commerce
119	Vandna Bhat	Assistant Professor	Management and Commerce
120	Chand Prakash	Associate Professor	Management and Commerce
121	Priyanka Nahush Agarwal	Assistant Professor	Management and Commerce
122	Neeraj Chopra	Assistant Professor	Management and Commerce
123	Bindu Agrawal	Professor	Management and Commerce
124	Daleep Parimoo	Professor	Management and Commerce
125	Tarundeep Kaur	Associate Professor	Education
126	Saratendu Kumar Bose	Associate Professor	Law
127	Sakshi Bahuguna	Assistant Professor	Law
128	Amit Kumar	Assistant Professor	Law
129	Kaveri Sharma	Associate Professor	Law
130	Adnan Irshad	Assistant Professor	Law
131	Shobhit Mohan	Assistant Professor	Law
132	Shaharyar Asaf Khan	Associate Professor	Law
133	Akansha Ghose	Assistant Professor	Law
134	Sampriti Phukan	Assistant Professor	Law
135	Simran Singh	Assistant Professor	Law
136	Nidhi	Assistant Professor	Law
137	Garima Chawla	Assistant Professor	Law

138	Yamini Atreya	Assistant Professor	Law
139	Shobhit Mohan	Assistant Professor	Law
140	Pooja Trehan	Assistant Professor	Law
141	Shaharyar Asaf Khan	Assistant Professor	Law
142	Shivam Gaur	Assistant Professor	Law
143	Akansha Ghose	Assistant Professor	Law
144	Sampriti Phukan	Professor	Chemistry
145	Simran Singh	Professor	Chemistry
146	Nidhi	Professor	Chemistry
147	Seema Gupta	Associate Professor	Chemistry
148	Bharatendu Agarwal	Assistant Professor	Chemistry
149	Garima Chawla	Assistant Professor	Chemistry
150	Asmita Patel	Assistant Professor	Chemistry

2.5 Students

2.5.1 Enrolment of Students

An institution's growth can be gauged by the number of students enrolled in each of its programmes. More students are enrolling every year, demonstrating how popular university curricula are:

Program/Branch Name	Total No. Of students
School of Engineering	1022
Applied Sciences	109
Management	338
Law	391
Education	240
Total Students (UG)	2023
Total Students (PG)	77
Total Students PhD.	71

2.6 Scholarship Policy

In the year 2022-23, a substantial sum of more than three and a half crores was awarded as a scholarship. The scholarship policy of the University encourages a good number of students every year and kindles the spirit of consistent performance. Elaborative policy details are as follows:

2.6.1 Merit Scholarship: Schemes 'Utkarsh' and 'Uttam' for the candidates based on MRNAT-2022 Score for UG & PG programs: -

MRNAT 2022 Score	'Utkarsh' *	'Uttam' **
90.00% & above	100% Tuition Fee Waiver	100% Tuition Fee Waiver
80.00% & above but below 90.00%	50% Tuition Fee Waiver	25% Tuition Fee Waiver
70.00% & above but below 80.00%	25% Tuition Fee Waiver	10% Tuition Fee Waiver

* Scheme 'Utkarsh' is for candidates taking Admission within a period from 31st May 2022 to 15th July 2022)

** Scheme 'Uttam' is for candidates taking Admission within a period from 16th July to 16th August 2022)

Free ship/Scholarships to students based on marks/CGPA in the qualifying examination as per the following criteria:

UG level programmes (Except B.Ed. & B.Ed. in Special Education)

Marks / CGPA in Qualifying Examination	Tuition Fee Waiver
95% and above	100%
90% to 94.99%	50%
85% to 89.99%	25%
80% to 84.99%	10%

PG level Programme (other than LLM Programme)

Marks / CGPA in Qualifying Examination	Tuition Fee Waiver
85% and above	100%
80% to 84.99%	50%
75% to 79.99%	25%
70% to 74.99%	10%

LLM Programme

Marks/Score in the Qualifying Examination	Tuition Fee Waiver
75% & above	100%
70 % to 74.99%	50%

65% to 69.99%	25%
60% to 64.99%	10%

Free ship /Scholarships to students seeking admission for B.Tech-Engineering Programmes on the basis of their JEE Mains -2022 Overall All India Rank as per the following criteria

JEE Mains-2022 Overall All India Rank	Tuition Fee Waiver
Up to 50000	100%
50001 – 100000	50%
100001-150000	25%

2.6.2 Merit cum Means Scholarship

- Manav Rachna offers merit-cum-means scholarships to Haryana candidates for all undergraduate and postgraduate programs. This scheme is available to students whose parents have an annual income up to Rs. 2.80 lakh from all sources. The scholarships provide tuition fee waivers as follows:
- 100% waiver for one-fifth of the top 25% of students.
- 50% waiver for two-fifths of the top 25% of students.
- 25% waiver for the remaining two-fifths of the top 25% of students.
- Students must pay other applicable fees for their programs.

2.6.3 Merit Scholarship to Semester/Branch Toppers

In order to motivate the students for better and sustained academic performance, MRU offers 'Merit Scholarship to Semester/ Branch Toppers' for students bagging 1st, 2nd and 3rd positions in the Odd & Even semester exams (Based on the amalgamated SGPA / CGPA) every year for each programme being run at MRU, as under:

a) First position	25% of Tuition Fee or Rs.25,000/- whichever is less
b) Second Position	15% of Tuition Fee or Rs.15,000/- whichever is less
c)Third Position	10% of Tuition Fee or Rs.10,000/- whichever is less

The following are the guidelines for granting these Merit Scholarships:

Any programme must have strength of 90 or more in the semester exam to qualify for first, second and third position scholarship, otherwise only a solitary topper shall be given a solitary first position scholarship.If the strength of a course is 10 or less no scholarship will be awarded for that course.

A student shall be eligible to benefit from tuition fee waiver only from one source only.

2.6.4 Special Scholarship Awarded

a. **Scholarship to Ph.D. Students:** Faculty members working with MREI for three or more years' duration are entitled for a scholarship while they enroll for their career enhancement and join the doctoral program. It is done to promote a culture of research in the organization and honour the association of employees with MREI.

a. **Scholarship to Alumni of MREI:** Student who is an Alumnus of any of the Manav Rachna Educational Institutions (Schools/ HEI), is eligible for 10% tuition fee waiver (limiting up to maximum of 10000/- per year) during admission to the programs offered by MRU.

b. **Free ship /Scholarships to the Siblings of Manav Rachna Student in any of the HEIs of Manav Rachna:** 10% Tuition fee Waiver (limiting up to maximum of Rs. 5000/ per semester) to the Sibling (brother/sister) of Student already enrolled in any of the Programme at HEI of MREI. Only elder one of the siblings would get the said benefit.

a. **Scholarship to the wards of MREI Employee:** 25% Tuition fee waiver (limiting up to maximum of 25,000/- per year) to First Child Only. However, if the first Child is already getting a scholarship on the basis of merit then this benefit would be passed to the second child, if applicable.

a. **Free ship /Scholarships to Girl candidates:** 10% Tuition fee Waiver (limiting up to maximum of Rs. 5000/ per semester) shall be available to all girl candidates in all the UG & PG Programmes provided candidate has scored 60% aggregate marks in the qualifying exam

2.6.5 Scholarship Data

2022-23		
Type of Scholarship	No. of Student	Amount
Tuition Fee Waiver	513	18322150.00
Merit Cum Means	36	1848875.00
Manav Rachna Student Staff Alumni Welfare Fund & Others		
MREI Student	47	252800.00
Concession to PhD Students on The Basis of Length of Service	15	225000.00

BATCH	MERIT SCHOLARSHIP		MERIT CUM MEANS SCHOLARS HIP		BRANCH TOPPERS		MGT APPROVALS		PHD SCHOLARS		MREI STUDENT		TOTAL	
	NO. OF STUDENTS	AMOUNT	NO. OF STUDENTS	AMOUNT	NO. OF STUDENTS	AMOUNT	NO. OF STUDENTS	AMOUNT	NO. OF STUDENTS	AMOUNT	NO. OF STUDENTS	AMOUNT	NO. OF STUDENTS	AMOUNT
2014							1	52400					1	52400
2015	11	747500	8	287500	7	115000	4	238250	15	210000			45	1598250
2016	61	2425500	9	269500	8	157000	7	241500	9	190000			94	3283500
2017	91	3351875	15	390375	10	154625	16	512150	1	15000	1	5000	134	4429025
2018	84	3573875	26	112000			47	318492	9	80000	21	105000	187	5197367
2019	284	14089250	60	3510750	0	0	112	3159267	32	590000	9	45000	497	21394267
2021	431	23023735	37	2240750	16	288150	159	8137188.00	22	355000	28	116000	671	33805823
2022	513	18322150	36	1848875	22	285025	254	14204952	15	225000	47	252800	887	35138802
Total	1475	65533885	191	9667750	63	999800	600	26864199	103	1665000	106	523800	2516	104899434

CHAPTER: 3

RESEARCH DEVELOPMENT AND INNOVATIONS

3.1 Research, Publications, and Projects

Research is a methodical process aimed at gaining fresh knowledge, exploring unexplored areas, and broadening human understanding. It spans various fields such as Sciences, Humanities, Engineering, and Technology. At Manav Rachna University, our researchers are dedicated to addressing intriguing questions across multiple domains with societal impact. Employing rigorous methodologies, they examine phenomena, analyze data, and derive conclusions to produce novel insights. Research forms the bedrock of innovation, providing a robust grasp of current knowledge and pinpointing areas for enhancement. To facilitate research, the university has established "Research Clusters" as specialized groups in different disciplines. Collaborations with industries have led to the development of 'Centers of Excellence' in areas like Solar Energy Applications, Environmental Sciences, Clean Water Technology, Green Chemistry, Corrosion Science, Communication Technology, Integrated System Design, Soft Computing, Business Process Modeling, and Artificial Intelligence. The Office of Dean Research plays a crucial role in promoting and advancing research across MRU's faculties. It offers support for designing and creating new products, conducting experiments, and providing advanced training to faculty members in specialized fields. The Research Integrated UG Program enhances research skills in undergraduate students, mentored by faculty members, resulting in research papers presented at conferences and published in reputable journals.

Summarizing the research achievements during the academic year 2022-23:

Category	School	Number	Details
No. of Publication in Journals	School of Sciences	21	Annex 3.1
	School of Education and Humanities	15	
	School of Management and Commerce	17	
	School of Engineering	45	
	School of Law	17	
No. of Publication in Conference	School of Sciences	3	Annex 3.2
	School of Education and Humanities	0	
	School of Management and Commerce	2	
	School of Engineering	34	
	School of Law	0	
No. of Patents (Filed+Published+Granted)	School of Sciences	16	Annex 3.3
	School of Education and Humanities	0	
	School of Management and Commerce	5	
	School of Engineering	70	
	School of Law	0	
No. of Books/Book Chapters	School of Sciences	21	Annex 3.4
	School of Education and Humanities	1	
	School of Management and Commerce	5	
	School of Engineering	5	
	School of Law	4	
Signed MOU's	School of Sciences	2	Annex 3.5
	School of Management and Commerce	2	
	Library	1	
Consultancy & Corporate Training	School of Sciences	2	Annex 3.6
	School of Management and Commerce	4	
	School of Engineering	14	
Externally Funded	School of Sciences	14+2(govt)	Annex 3.7

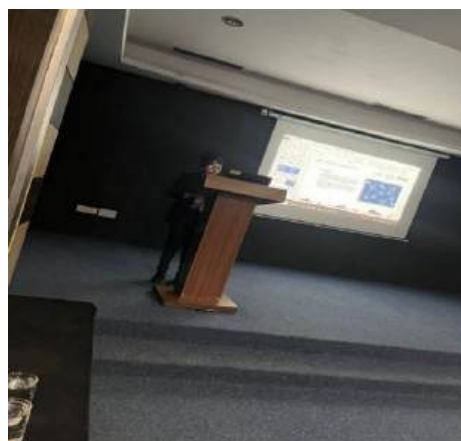
Projects	School of Engineering	56+1(govt)	
	School of Law	4	
Startups	School of Sciences	1	Annex 3.7
	School of Management and Commerce	0	
	School of Engineering	3	

For the details of section 3.1 refer annexure from page numbers (155-174)

3.2 Workshops Organized

Department of Computer Science and Technology

A one-day workshop titled “Cyber Shiksha Fundamentals: Query Session” was held for Manav Rachna University students as part of a 15-day self-learning course that began on February 1, 2023. Quick Heal, in collaboration with the Data Security Council of India (DSCI) and Microsoft, offered this course to educate students on key cybersecurity concepts. The self-paced program ran from February 1 to February 17, providing students with valuable knowledge and skills in cybersecurity



Session on Cyber Shiksha

In collaboration with ICT Academy, Honeywell launched a CSR initiative to skill final-year students on Advanced IT Skills. The program ran for three weeks from January 3 to January 20, 2023. Coordinated by Ms. Priyanka Gupta, Mr. Anup, and Ms. Smriti, the course aimed to certify students as Microsoft Data Analyst Associates. Approximately 100 students

participated in the 100-hour training, culminating in an online test and certification. Batch 1 was led by Mr. Shakeel

A CSR initiative sponsored by **Honeywell**

Implemented by **ICTACADEMY™**

Inauguration of **CENTER OF EXCELLENCE FOR YOUTH EMPOWERMENT**

03 Jan 2023
11:30 am - 01:00 pm

Hosted by **MANAV RACHNA UNIVERSITY**

INAUGURAL SPEAKERS

		
B Raghava Srinivasan Associate Vice President ICT Academy	Dr. I.K. Bhatt Vice-Chancellor Manav Rachna University	Dr. Sangita Banga Pro-Vice Chancellor Manav Rachna University
		
Dr. Shruti Vashisht Dean Academics Manav Rachna University	Dr. Pradeep K. Varshney Dean Research Manav Rachna University	Abhinandan Pandey State Head – Academic ICT Academy

www.ictacademy.in/honeywell

Ahmad).

ICT Session by Honeywell



Soft Skill Workshop

- Institution Innovation Council of Manav Rachna University**

An 8-day workshop titled “Capacity Building on Innovation” was held from January 11 to January 21, 2023, for 2nd, 3rd, and 4th-year students. The hands-on training covered Machine Learning (ML), Deep Learning (DL), Natural Language Processing (NLP), web scraping, and miscellaneous integrations. Conducted by Mr. Harshit Dawar, a Data Scientist at Foundation AI and a Fortune 500 Trainer with 13 global certifications, the workshop progressed from basics to advanced topics, offering valuable insights into the Data Science industry. It motivated students to innovate and develop entrepreneurial skills under the mentorship of IIC Faculty members who also attended the sessions.



- SmarDen Technologies conducted a 2-day workshop from 31st January 2023 to 1st February 2023 for upgrading skills for sustainable Innovation and Entrepreneurship using the Internet of Things (IoT) to give hands-on experience to the Engineering students organized by Dr. Yogita Gupta, IIC Convener, Manav Rachna University. The resource person Mr. Shrey is the co-founder of SmarDen and has vast experience in IoT domain and also as an
- Entrepreneur. The focus on upgrading skills for sustainable innovation and entrepreneurship using IoT is particularly relevant in today's world, where there is a growing demand for solutions that are both technologically advanced and environmentally friendly. This initiative provided hands-on experience to their students, especially when it comes to emerging technologies like IoT.



The Solve for Tomorrow 2023 (SFT 2023) innovation challenge, organized by Samsung India in association with the Foundation for Innovation and Technology Transfer (FITT-IIT Delhi), is a national competition for youth aged 16-22 to leverage innovation to solve real-world problems. Selected teams will attend a residential educational bootcamp at IIT Delhi, visit Samsung R&D facilities across India, get featured on national TV, and win Samsung products. The three winning teams will receive a total grant of ₹1.5 crore. An information session was held at Manav Rachna University, Faridabad on May 12, 2023, organized by SciComm India, to sensitize the youth about this opportunity.

The event featured a panel of experts, including representatives from FITT-IIT Delhi, Let's Venture, entrepreneurs, and Samsung India, and attracted 425 participants from various schools and colleges in the region.



● National Technology day and organised Idea/Business Plan competition was organized from 11th May to 12th May 2023 for start-up for funding. Total of 16 Teams participated in the event and presented ideas and business plans ranging from web development for services, improving Bluetooth device, Home Automation, Home Intruder Alarm System, Solar Grass Cutter, Automatic Fire Extinguisher, high-speed Quadcopter, Medical Transcription, and Electronic Device made from recycling other Electronic Device etc.



Idea/Business Plan competition: National Technology day

3.3 Research Endeavors, Innovation & Incubation

Committed to the vision of our Founder Dr. O.P. Bhalla, MRU has been actively involved in promoting research endeavors and nurturing startups to foster entrepreneurship among its students and faculty over the years. MRU serves as a platform for interdisciplinary research and innovation through Innovation Clusters and the Centre of Excellence. MRU's Start-up policy is dedicated to nurturing and supporting entrepreneurial ventures. It provides a conducive environment for aspiring entrepreneurs, offering mentorship, networking opportunities, infrastructure, and funding support. Students are provided with opportunities to collaborate with faculty members, participate in research projects, and develop innovative solutions leading to their Startups.

3.3.1 Manav Rachna Business Incubator: Startups at Manav Rachna University

No. of start-ups incubated										
S. No	Name of the start-up	Nature of start-up	Type of Innovation	Year of commencement	LLP Identification No.	Contact information of promoters	Mentors Name	Amounts Provided to Start-ups	Funding Received from	Status
1	Spillmate AI	Virtual ChatBot to empowering self-improvement through AI therapy	Technology	2023	-	Taha Siddiqui (8604337537) Tuhin (9933518111) Rehan Aziz (7693007833) Aarya Bhatia (8708388605) Akshay (9596574027)	Dr. Niharika Thakur Dr. Yogita	250000	NewGen IEDC, MRIIC	Ongoing
2	Ratiram Limbs	Nearly 190 million individuals worldwide have some form of physical disability, and we believe that if we could make a difference, why not. We are attempting to create a wearable robotic arm that is controlled by brain waves for people with special needs in order to assist them with their everyday activities and foster a sense of independence.	Product Innovation	2022	-	Drishti Uppal- CST 2nd year AIML Lakshay: CST 1st year Hardware Shivam Minz: CST 4th year Hardware Joy Khaneja: CST 1st year AIML	Dr. Parneeta Dhaliwal Ms. Priyanka Gupta	250000	NewGen IEDC, MRIIC	Ongoing
3	Modular Batteries	Modular Batteries are scrapped now a day if only one cell is damaged and there is no method through which a user can find which cell is not working properly. Modular batteries are	Product Innovation	2022	-	Rudra Nand Sahu-ECE 5th Sem. (2K20ECUN03001)	Dr. Pradeep K. Varshney Dr. Yogita Gupta Mr. J.P. Sharma	250000	NewGen IEDC, MRIIC	Ongoing

		used in various sectors such as household, automotive sector, etc. For this, we propose a solution that each cell in a battery pack should be used in a modular manner. A circuit was also developed through which we can monitor the health of each cell and its usage. In such a way we can minimize the wastage of the whole battery when scrapped and also end user can identify the weak cell and replace it on its own. Through this, we also increase the shelf life of a battery pack.								
4	Contract Farming	A secure mobile app for Android and iOS devices, would bridge the Gap between the land owner (contractee) and the contractor (contractor) for contract farming. The app would be in Hindi and English. Provides info about of type of soil and type of crop best to be grown. Information about State Govt. schemes. Legal advice on basic land issues.	Product Innovation	2022	-	Tejas-AIML 2nd Year student	Dr. Parneeta Dhaliwal Ms. Priyanka Gupta	250000	NewGen IEDC, MRIIC	Discontinued

Global Startup & Entrepreneurship Conclave

- To provide an opportunity to kick start ideas, spread awareness about startups, get fundings from the investors, Pre-Incubation Centre, Manav Rachna University in association with Entrepreneurs Media organized Global Startup & Entrepreneurship Conclave 2023 on February 24, 2023 at T Block auditorium. The Global Start-up & Entrepreneurship Conclave was a congregation of entrepreneurs, investors, and innovators from around India. This event aimed to provide a platform for start-ups to showcase their ideas and products, network with like minded individuals, and learn from industry experts. Live Pitching, Conference, Workshop, Exhibition and Awards were all integral parts of the conclave and provided a rich and diverse experience for attendees. Several panel discussions covered topics such as fundraising, scaling a business, and the future of technology. After rigorous screening of ideas submitted for presentation, 10 entrepreneurs were finally selected for pitching for their products and services. The Jury, funders and Venture capitalists who were present there appreciated their ideas and showed keen interest in mentoring and hand holding few out of them.



Global Startup & Entrepreneurship Conclave



Global Startup & Entrepreneurship Conclave

3.3.2 MRU - Innovation & Incubation Council

Highlights of Achievements

Sl.no	Event Topic	Event Date	Event Type	Speaker	Role/Designation of Speaker
1	IPR Workshop	12-Jan-2023	IPR & Technology Transfer	Mr. Piyush Yadav	Patent Agent, IPQuad
2	IPR Workshop and IP Management for Startup-IPR and Youth: For a Better Future	21-July-2023	IPR & Technology Transfer	Ms. Latika Khanduja and Mr. Shekhar Khanduja	Founders of IPLOEA, New Delhi.
No of Activities in IPR Category - 2					
3	Workshop on Design Simulation for Prototype Development	12-Oct-2022	Innovation & Design Thinking	Dr.J. P. Sharma	Assistant Professor, Department of Mechanical Engineering, MRU, and IIC Faculty Member
4	Robotics Workshop	21-Nov-2022 to 25-Nov-2022	Innovation & Design Thinking	Dr.J. P. Sharma	Assistant Professor, Department of Mechanical Engineering, MRU, and IIC Faculty Member
5	Workshop by BIMTECH on Exposure and Field Visit for Problem Identification	30-Nov-2022 to 1-Dec-2022	Innovation & Design Thinking	Mr. Aditya Bose	CEO of Probano
6	Problem Solving & Ideation Workshop	13-Jan-2023	Innovation & Design Thinking	Dr. Subodh Saluja	Innovation Ambassador & Associate Professor, Department of Management & Commerce, MRU
7	Capacity Building for Innovation	11-Jan-2023 to 21-Jan-2023	Innovation & Design Thinking	Mr. Harshit Dawar	Data Scientist, Consultant, Xebia

8	Upgrading Skills for Sustainable Innovation and Entrepreneurship Using IoT	31-Jan-2023 to 1-Feb-2023	Innovation & Design Thinking	Mr. Shrey	Co-founder, SmarDen Technologies, New Delhi.
9	Translation of IP for an academic institution: Expert talk on Process of Innovation Development, Technology Readiness Level (TRL); Commercialization of Lab Technologies & Tech-Transfer	28-Dec-2022	Innovation & Design Thinking	Ms. Reema Sahni Mediratta, & Ms. Kriti	Ms. Reema Sahni Mediratta : In-charge & Senior Project Manager at Innovation Technology Transfer Office Ms. Kriti,:IIT, Delhi, Registered Patent Agent with Indian Patent Office and recognized as Innovation Ambassador by MHRD, Government of India
10	Workshop on Design Thinking, Critical Thinking and Innovation Design	21-Feb-2023 to 23-Feb-	Innovation & Design Thinking	Dr. Yogita Sharma	Associate Professor, School of Management and Commerce, MRU, IIC Faculty member, Coordinator for Pre-Incubation,
11	Toy Tinker: Innovation Challenge	23-Feb-2023 to 24-Feb 2023	Innovation & Design Thinking	Ms. Jasreen Kaur	Technical Expert, Smartivity Labs
12	Solve for Tomorrow 2023: Launch of Innovation Challenge (in Association with Samsung India)	12-May-2023	Innovation & Design Thinking	Mr. Manveen Singh Chadha, Mr. Anubhav Sen, Mr. Gaurav Chauhan, Mr. Shivansh Garg. Anurag Pandey and Ms. Kritika Kakkar	Mr. Manveen Singh Chadha & Mr. Anubhav Sen from FITT-IIT Delhi, Mr. Gaurav Chauhan from Lets Venture, Mr. Shivansh Garg- an entrepreneur, Mr. Anurag Pandey from SciComm India
13	Workshop on Idea Generation and Prototype Design and Development	26 June-30 June 2023	Innovation & Design Thinking	Dr. Lokesh Bhardwaj and Mr. Vijay Kumar Gill	Assistant Professors, Department of ECE, MRU, IIC Faculty Members
14	Workshop on Industry 4.0-Driving Innovation & Revolutionize Industry	9-Aug-2023	Innovation & Design Thinking	Mr. Manoj Yadav	Technical Expert, SVR Infotech Pvt.Ltd, Pune
15	Workshop on Robotics- Fostering Innovative Ideas in Robotics	26-Jul-23	Innovation & Design Thinking	Dr. J P Sharma and Mr. Vijay Gill,	Dr. J. P. Sharma: IIC Faculty member of Mechanical Engineering Mr. Vijay Gill: IIC Faculty member of Electronics and Communication Engineering, School of Engineering Manav Rachna University
16	Workshop on Innovation / Prototype Validation Converting Innovation into a Startup	24-Jul-2023 to 25-Jul-2023	Innovation & Design Thinking	Dr. J. P. Sharma	Assistant Professor, Department of Mechanical Engineering, MRU and IIC Faculty Member
17	Web Week – Workshop on Web Development Empowering Business Innovation	7-Aug-2023 to 12-Aug 2023	Innovation & Design Thinking	Peeyush Kumar, Amarjeet Singh	Senior IIC students of Research Cluster of Computing of IIC along with Alumni in industry

18	Workshop on App Development: Upskilling for Product Innovation	24-April-2023 to 28 April-2023	Innovation & Design Thinking	Mukul Sharma, HidayatBukhari	Senior IIC students of Research Cluster of Computing of IIC along with Alumni in industry
19	Youth Sustainathon: Leap HubsChallenge of Global Peace Leadership Conference 2023	18-April-2023 to 19-April-2023	Innovation & Design Thinking	Youth leaders, innovators, and visionaries from across the Indo-Pacific region	Youth leaders, innovators, and visionaries from across the Indo-Pacific region
No. of Activities in Innovation & Design Thinking Category- 17					
20	Business Haat	18-10-2022	Entrepreneurship& Startup	Dr. Pragati Chauhan	HoD, Department of Management &Commerce, MRU, IIC Faculty Member, E-Cell Coordinator, Innovation Ambassador
21	Startup Conclave: Motivational Session by Successful Entrepreneurs/Start up Founders	10-Nov-22	Entrepreneurship& Startup	Dr. Munish Jindal, Dr. Nancy Juneja, Mr. Ambrish Ranjan, Ms. Manleen Kaur Mahajan, Mr. Nitin Pahuja, Mr. Rajnish Kapoor	Dr. Munish Jindal: Founder & CEO of HoverRobotix & Founding President of Mentor X global. Dr. Nancy Juneja: Founder – RevUp, Co-Founder – MENTORx Global Chairperson MENTORx Women, Mr. Ambrish Ranjan: Vice President, Asort, Ms. Manleen Kaur Mahajan: Public Relations & Brand Communications, Consultant, Everest Fleet North, Young Volunteer Organization, Mr. Nitin Pahuja: Co-Founder, Push Sports, Step1 Advertising, Mr. Rajnish Kapoor: Managing Partner, IAN Fund.
22	Expert Talk by Successful Entrepreneur: Motivational Session by Successful Entrepreneur/Start up Founder:	16-Nov-2022	Entrepreneurship& Startup	Ms. Debjani Roy	Chief HR Advisor of Mind Your Fleet (a reputed software start-up in the transportation space), She runs her own boutique HR Solutions & Advisory firm called Wind Beneath the Wings Venture LLP, CertifiedL&D professional, Prolific Soft Skills Trainer.
23	E-Week-Sangrashtra: Week of Entrepreneurship Activities competitions across institutions of Delhi-NCR among young aspiring entrepreneur students, Expert Talks, Seminars, Webinars organized in association with E-cell of Maitreyi College- Delhi University,	19-Nov to 24-Nov 2022	Entrepreneurship& Startup	Prof Dr. Ravinder Kaur, Dr. Subodh Saluja, Dr. Pragati Chauhan	Prof Dr. Ravinder Kaur, faculty at the Department of Electronics at Deen Dayal Upadhyaya College, University of Delhi, President institution of DDUC Delhi University, Committed leader in conducting sessions on Design Thinking, Entrepreneurship, Start-

	IEEE				<p>up eco system</p> <p>Dr. Subodh Saluja: Innovation Ambassador & Associate Professor, Department of Management & Commerce, MRU</p> <p>Dr. Pragati Chauhan: HoD, Department of Management & Commerce, MRU, IIC Faculty Member, E-Cell Founder & Coordinator, Innovation Ambassador</p>
24	Business Simulation Workshop	21-Nov to 23-Nov-22	Entrepreneurship & Startup	Dr. Bindu Agarwal & Dr. Pragati Chauhan	<p>Dr. Bindu Agarwal: Faculty, Sri Sri University, Bhubneswar. With vast experience in creating culture for startup in various universities. Providing mentoring and training support to startups. Under her guidance more than 10 startups incubated which got seed funding also.</p> <p>Dr. Pragati Chauhan: HoD, Department of Management & Commerce, MRU, IIC Faculty Member, E-Cell Founder & Coordinator, Innovation Ambassador</p>
25	Encouraging entrepreneurial mindset in the youth: Innovation & Entrepreneurship Outreach Program in Schools/Community-Program organized in collaboration with Bhartiya YuvaShakti Trust (BYST)	02-Feb-23	Entrepreneurship & Startup	Dr. Pragati Chauhan	HoD, Department of Management & Commerce, MRU, IIC Faculty Member, E-Cell Founder & Coordinator, Innovation Ambassador
26	Field visit to manufacturing unit of Vihaan Networks Limited (VNL)	17-02-2023	Entrepreneurship & Startup	Mr. Alok Sharma, Mr. Manish Kumar Goyal	Mr. Alok Sharma: Vice President of VNL Mr. Manish Kumar Goyal: GM Manufacturing and SCM, VNL.
27	Global Entrepreneurship & Startup Conclave. Event organized in association with Entrepreneurs Media	24-02-2023	Entrepreneurship & Startup	Prof. (Dr.) Devi Singh, Mr. Markandey Rai	Prof. (Dr.) Devi Singh, Professor Devi Singh, Former Vice Chancellor, FLAME University, Pune, Director, IIM Lucknow and MDI Gurgaon, Mr. Markandey Rai: President of Global Peace and Development Service Alliance, Director, Youth

					Rural Entrepreneurial Foundation
28	International Conference on Business Innovation Transformation, and Sustainability: Changing Global Paradigm (BITS 2023)	28-April-2023 to 29-April-2023	Entrepreneurship & Startup	Prof (Dr.) Sunil Rai, Mr. Arpit Sharma, Mr. Harbhajan Singh, Dr Punita Duhan, Ms Elena, Dr. B Shadrach	Prof (Dr.) Sunil Rai: Chancellor UPES Dehradun, Mr. Arpit Sharma: COO, Skill Council for Green Jobs, Mr. Harbhajan Singh: Chief of Strategy and HR XLRI, Delhi- NCR & Chairman - Taskforce of Ease of Doing Business, CII Haryana, Dr Punita Duhan: Director Delhi Skill & Entrepreneurship University NCT Delhi, Ms Elena: Program Director M.Sc. Sustainable Management from ESSCA Paris, Dr. B Shadrach: Director, Commonwealth Research.
29	Inter Institutional Business Plan Competition and Reward of Best Innovation -Managed through YUKTI-NIR	11-May-2023 to 12-May-2023	Entrepreneurship & Startup	Mr. Vijay Gill, Dr. Prashant Bhardwaj	Mr. Vijay Gill: IIC Faculty Member, Assistant Professor, Department of ECE, MRU Dr. Prashant Bhardwaj, IIC Faculty Member, Assistant Professor, Department of Mechanical Engineering, MRU
30	How to plan for Start-up and Legal & Ethical Steps	16-May-23	Entrepreneurship & Startup	Dr. Subodh Saluja	Innovation Ambassador & Associate Professor, Department of Management & Commerce, MRU
No of Activities in Entrepreneurship & Startup Category - 15					
31	National Youth Day Celebration	12-Jan-23	Innovation & Design Thinking	Dr. Shobha Srivastava, Dr. J.P. Sharma, Dr. Prashant Bhardwaj	Dr. Shobha Srivastava: Deputy Registrar Administration and Chief Warden Hostels Dr. J.P. Sharma: Assistant Professor, Department of Mechanical Engineering, MRU, and IIC Faculty Member Dr. Prashant Bhardwaj: Assistant Professor, Department of Mechanical Engineering, MRU, and IIC Faculty Member
32	National Startup Day Celebration	16-Jan-2023	Entrepreneurship & Startup	Sunil Kant Munjal, Mr. Rajiv Chawla, Mr. Vipin Sondhi, Ms Anna Shotbolt, Mr. Ram Jass Yadav, Mr. Pankaj Pachouria, Laxmi V.	Sunil Kant Munjal: Chairman- Hero Enterprise, Sunil Kant Munjal, Chairman- Hero Enterprise, Mr. Rajiv Chawla: Chairman Iam SME of India,

				Venkatesan	Mr. Vipin Sondhi: Ashok leyland, Ms Anna Shotbolt : British High commission, Mr. Ram Jass Yadav: Bank of Baroda, Mr. Pankaj Pachouria: TV Anchor and journalist, Laxmi V. Venkatesan: Founding and managing trustee of BYST
33	National Science Day Celebration	28-Feb-2023	Innovation & Design Thinking	Prof. Pramod K. Bhatnagar, Dr. Jitendra Pal Singh, Ms. Sonam Bhatia	Prof. Pramod K. Bhatnagar (Emeritus Professor, Delhi University), Dr. Jitendra Pal Singh (Ramanujan Fellow; under the DST-SERB scheme, MRU), Ms. Sonam Bhatia (from Sun-pharmaceuticals Pvt. Ltd) were the keynote speakers on this event

- MRU IIC participated in all MIC Driven Activities and SIH2023

No. of IPs generated, published, and granted

Sr. No.	Title/Name of IP (Patents Only)	IP Registration Number of Patent	Date of Patent IP Filed (Month, Year)	Patent Status (Filed, Published, Granted)
1.	A Method for Mitigating Corrosion Properties of Electrodes in Secondary Energy Storage Batteries	202211060626	23.10.2022	Filed
2.	AI-Based Vehicle Theft Prevention System	202211051354	08.09.2022	Filed
3.	Refrigeration Automation System	202111061566	30.06.2023	Published
		202321026411 A	12.05.2023	Published
4.	The Impact of Using Automation is Transforming the Supply Chain Industry	202311016337 A	12.05.2023	Published
5.	Machine Learning and Wireless Sensor Networks Based Approaches for Analysis Environment Pollution on Smart Cities	202311013974 A	17.03.2023	Published
6.	Driver Less Vehicle Controlled by Using Voice	202311008208	17.02.2023	Published
7.	Blockchain-Based Finance Tracking System and Method Thereof	202311003702 A	27.01.2023	Published
8.	A Kind of Multi-Dimensional Data Analytical System Based on Business Object	374692-001	20.01.2023	Published
9.	Solar Powered Sea Water Desalination Apparatus	202311000807	13.01.2023	Published
10.	DIY Power Bank with Plasma Lighter	202311000810	13.01.2023	Published
11.	Voice-Based Water Dispensing System and Method Thereof	202311000809	13.01.2023	Published

12.	Anti-Theft System for Vehicle and Method Thereof	202311000806	13.01.2023	Published
13.	Internet of Things (IOT) Based intravenous (IV)Fluid Monitoring and Alerting System and Method	202311000812	13.01.2023	Published
14.	Student College Smart Card	202311000811	13.01.2023	Published
15.	Mobile Phone & Cash UV Disinfecter for COVI	202311000808	13.01.2023	Published
16.	Image Forgery Detection System and MethodThereof	202311000813	13.01.2023	Published
17.	Radio Frequency Identification (RFID) BasedTravel Ticket Booking System and Method Thereof	202211075717	06.01.2023	Published
18.	Automated System for Governing Traffic Lights	202211075718	06.01.2023	Published
19.	IR Based Obstacle Detection for Load SwitchingProject	202211075723	06.01.2023	Published
20.	Plant Soil Moisture Monitoring System and Method Thereof	202211075714	06.01.2023	Published
21.	Smart Burglar Alarm - Complete Patent Application	202211075722	06.01.2023	Published
22.	System for Monitoring a Health and a Fuel Usageof a Vehicle and Method Thereof	202211075715	06.01.2023	Published
23.	Energy Monitoring System	202211075721	06.01.2023	Published
24.	Smart Shopping Cart	202211075724	06.01.2023	Published
25.	Sustainable Rotating Biological Contactor (SRBC)	202211075716	06.01.2023	Published
26.	Distance Pruning	202211075725	06.01.2023	Published
27.	Home Automation System using MQTT Protocoland ESP32	202211075719	06.01.2023	Published
28.	Water Heater Bottle	202211075726	06.01.2023	Published
29.	Water Health Monitoring System and MethodThereof	202211076379	06.01.2023	Published
30.	First Information Report (FIR) Lodge and Assistance System and Method Thereof	202211076376	06.01.2023	Published
31.	A novel motor vehicle window pane closure detector	202211076380	06.01.2023	Published
32.	System for Generating Alert Against InfectiousDiseases and Method Thereof	202211076374	06.01.2023	Published
33.	Intelligent Security System for Bank Lockers	202211076378	06.01.2023	Published
34.	Video Calling/Recording Smartphone Stand	202211076381	06.01.2023	Published
35.	Home Air Quality Monitoring System Project	202211069264	30.12.2022	Published
36.	Rain Sensing Automatic Car Wiper	202211069265	30.12.2022	Published
37.	Electronic Voting System using Blockchain	202211069266	30.12.2022	Published
38.	Eye ball Sensor for automatic Wheel Chair forparalyzed patients	202211069261	30.12.2022	Published
39.	Android Smart Ticketing Using RFID	202211069263	30.12.2022	Published

40.	Ultrasonic Blind Walking Stick	202211069262	30.12.2022	Published
41.	Cancer Prediction System Using Data Mining Techniques and Method Thereof	202211072396	30.12.2022	Published
42.	Solar Energy Based Multipurpose Agricultural Robotic Vehicle	202211072397	30.12.2022	Published
43.	Solar Panel Power Generation using ESP32	202211072393	30.12.2022	Published
44.	Sound Enabled Polling Machine for Visually Challenged Voters and Method Thereof	202211072398	30.12.2022	Published
45.	Biometric Student Attendance System App	202211072394	30.12.2022	Published
46.	Brain Tumor and Alzheimer's Detection Flutter App	202211072395	30.12.2022	Published
47.	Smart Solar Grass Cutter with Lawn Coverage	202211075713	30.12.2022	Published
48.	Smart Mosquito Repellent Device	202211075720	30.12.2022	Published
49.	Remote Assisted Refrigerator Door Monitoring with IoT	202211073374 A	30.12.2022	Published
50.	Intelligent and Portable Rain Water Harvesting Kit for Smart Gardens Based on Biconvex Lens	317375-001	23.12.2022	Published
51.	Horizontal Aerobic & Biodegradable Composting	202211068867	02.12.2022	Published
52.	System and Method For Product Identification For Visually Impaired Users	202211068868	02.12.2022	Published
53.	Orange Fruit Recognition System using Image Segmentation and Method Thereof	202211068869	02.12.2022	Published
54.	Brain Tumor Detection Using Image Segmentation	202211068870	02.12.2022	Published
55.	Blockchain-Based Cloud File-Sharing System and Method Thereof	202211068871	02.12.2022	Published
56.	Position Based Attendance System (CN)	202211068865	02.12.2022	Published
57.	Medical Assistance System and Method of Generating Reminders Using the Same	202211068866	02.12.2022	Published
58.	Voice-Based Notice Board Using Android	202211057825 A	28.10.2022	Published
59.	Fruit Harvesting Inchworm Robot	202211058422 A	21.10.2022	Published
60.	Autonomous Blockchain-based System for Generation and Delivery of Photographic Aadhaar-linked Birth Certificates	202241047440 A	26.08.2022	Published
61.	An IOT Based Swirling Bath Shower System	2022/03855	26.08.2022	Granted
62.	A Novel Cost-Effective Home Gardening System	2022/04878	27.07.2022	Granted
63.	Microcontroller Based Hydroponic System and Ultrasound Pump Control Apparatus	348854-001	08.07.2022	Granted
64.	Exhaust Fan with Air Filter	365421-001	12.05.2023	Registration of Design
65.	A IoT Based Coagulation Analyzer	356093-001	25.01.2023	Registration of Design
66.	Artificial Intelligence Based Skin Cancer Inspection Device	348302-001	09.12.2022	Registration of Design

- List of Registered Start-ups/Ventures Established
- Highlights of selected start-ups established by students/faculties with mention of founder/cofounder name and mentored Mentoring by Faculty Members of MRU

S.No.	Name of the start up	Nature of start-up	Type of Innovation	Year of commencement	Contact information of promoters	Mentors Name	Funding Provided to Start-ups (Rs.)
1	Geofence	Attendance App	Technology	2023	Diya Sharma-9582749009	Dr. Abhishek Saxena Dr. Ranjna Jain	250000 NewGen IEDC(Ongoing)
2	Ratiram Limbs	Researchers have developed a non-invasive brain-computer interface using EEG that allows people to control a robotic arm with their thoughts alone. By processing brain signals with advanced algorithms, the system translates the user's thoughts into commands to operate the robotic arm. This breakthrough has the potential to help millions of people with paralysis or neurodegenerative diseases regain mobility and independence	Product Innovation	2022	Drishti Uppal-8800584658	Dr. Parneeta Dhaliwal Ms. Priyanka Gupta	250000 NewGen IEDC(Ongoing)
3	Modular Batteries	Modular Batteries are scrapped now a day if only one cell is damaged and there is no method through which a user can find which cell is not working properly.	Product Innovation	2022	Rudra Nand Sahu-8368483932	Dr. Pradeep K. Varshney Mr. J.P. Sharma Dr. Yogita Gupta (Outside Mentor)	250000 NewGen IEDC(Ongoing)

		<p>Modular batteries are used in various sectors such as household, automotive sector, etc. For this, we propose a solution that each cell in a battery pack should be used in a modular manner. A circuit was also developed through which we can monitor the health of each cell and its usage. In such a way we can minimize the wastage of the whole battery when scrapped and also end user can identify the weak cell and replace it on its own. Through this, we also for increasing the shelf life of a battery pack.</p>					
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Participation of IIC-institute in various programs of Central and State Govt. Highlighting specially for the schemes or programs

- ☑ ARIIA – Participation in ARIIA 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023
- ☑ NISP Adoption Status: Trained faculty members and students from all departments through a series of training sessions. Policy formulation has been completed for MRU, with implementation currently underway. Notably, one student startup has already been established, securing funding from the University, and the student received academic credit under the NISP policy. Additionally students have been benefited from the Additional Internship scheme, also receiving credit transfer/mapping under the NISP policy.
- ☑ Smart India Hackathon (SIH) etc.- Participation and winning prizes in SIH 2019, SIH 202,0 and SIH 2022.
- ☑ PoC Competition & National Innovation Contest: 3 Teams participated in the PoC Competition in August 2019 and 5 teams participated in the National Innovation Contest 2020 and reached up to Business Plan Preparation level. 4 Teams Participated in Toyathon 2021
- ☑ Through Idea Competitions/Internal Hackathons around 20 ideas were generated. Students are in the process of entering ideas in the Yukti Portal.





- Students with the Start-up Mentor celebrating Start-up Day and gaining understanding about FIKA an Entrepreneurial Style on January 16, 2023.



Student exhibitors displaying their Ventures and Prototypes to Investors on February 24, 2023

3.3.3 IPR IPR Workshop

IPR Cell of Institution Innovation Council of Manav Rachna University in association with IPQuad conducted a one-day IPR Workshop on 12th January 2023 to give hands-on experience to the students. Workshop was organized by Ms. Simran Singh, IIC Faculty and Dr. Yogita Gupta, IPR Coordinator and IIC Nodal Officer, Manav Rachna University.

The resource person Mr. Piyush Yadav has been at the cutting edge of the confluence between the stream of analytics and IP drafting. A registered Patent Agent since the year 6+ years, he is amongst the pioneers in India who practically harnessed the synergies between the professional streams of Engineering and law. His domain of interest lies in Robotics, AI, ML and Automation.

The session was joined by Dr. JK Pandey, Dean Research, Dr. Susmita Ray, IIC President, Dr. Parneeta Dhaliwal, Director I&I and faculty members from various Department along with 46 students of various departments.

Phase I of the session started with the IPR basics and Mr. Yadav gave a wonderful session on IPR and shared his life experiences with the students which were taken warmly by them. Mr. Yadav explained how one should protect inventions, novel ideas (Intellectual Property) by filing patents. He stated that IPR provides rewards and recognition to inventor/contributor for their research, designs, discoveries, inventions, etc along-with various case studies. He explained about the complete process from patent

filing till patent grant. The session was a motivating experience for the students and the session turned out to be quite interactive as students had lots of queries which were resolved by Mr. Yadav.



Expert Talk on “FIKA an Entrepreneurial Style”, January 16, 2023

- With a focus on promoting and encouraging upcoming businesses in the country, January 16, 2023 was adopted as the National Startup Day last year. Calling start-ups the backbone of the 'new India', the aim is to foster a spirit of entrepreneurship and innovation by involving the startup community. To take this forward, the Pre-Incubation unit under IIC of Manav Rachna University conducted an Expert Talk and Workshop on “FIKA an Entrepreneurial Style” by Ms. Shaifali Sanghal, Founder Yung Minds. She also shared the beautiful journey that she sailed through and outshined in many hardships, from working for someone to creating jobs in the form of a start-up. She also said that in business, one must always be on the toes and have a proactive approach. Her entire session focused on the importance of networking and collaborative work.



Workshop on “Upgrading Skills for Sustainable Innovation and Entrepreneurship using IoT”

- Manav Rachna University in association with SmarDen Technologies conducted a 6-week workshop starting from 31st Jan 2023 for upgrading skills for sustainable Innovation and Entrepreneurship using IoT to give hands-on experience to the Engineering students organized by Dr. Yogita Gupta, IIC Convener, Manav Rachna University. The resource person Mr. Shrey is the co-founder of SmarDen and has vast experience in IoT domain and also as an Entrepreneur.
- The focus on upgrading skills for sustainable innovation and entrepreneurship using IoT is particularly relevant in today's world, where there is a growing demand for solutions that are both technologically advanced and environmentally friendly.
- This initiative provides hands-on experience to their students, especially when it comes to emerging technologies like IoT. The association with SmarDen Technologies also suggests that the workshop was able to provide students with industry-relevant insights and practical knowledge. The student response was tremendous and the session.



Field Visit to Vihaan Networks Limited (VNL), India

- The Institution Innovation Council (IIC) of Manav Rachna University organized a field visit to the manufacturing unit of **Vihaan Networks Limited (VNL), Sector 5, IMT Manesar, Gurugram** on 17th February 2023. IIC Faculty members of the Department of Electronics and Communication Engineering, Manav Rachna University took the initiative of organizing this Industrial Visit for the IIC students. The visit was facilitated by **Mr. Alok Sharma**, Vice President of VNL, and coordinated by **Mr. Manish Kumar Goyal**, GM- Manufacturing and SCM, VNL.
- During the visit, the students were given a detailed tour of the manufacturing unit of VNL and were provided with an overview of all their products. Mr. Goyal explained the workings of each department of the manufacturing unit and provided insight into the various stages of the manufacturing process.



3.4 Innovations and Competitions Won Toy Tinker

- The Toy Tinker event in collaboration with Smartivity Labs was organised from 23rd February to 24th February 2023. It started with a competition with the Series Rapid Talk. The competition was designed to challenge the students' creativity and innovation by building models from the models provided by Smartivity Labs. The event was organized by Dr. Yogita Gupta and Dr. Niharika Thakur, and

the resource person for the competition was Ms. Jasreen Kaur from Smartivity Labs. The purpose of the event was to encourage engineering students to utilize their creativity and problem-solving skills while also providing them with hands-on experience.

- The competition was open to students of 1st year Manav Rachna University for various streams. The participants were given random partners to make a team of two. The participants were provided with kits from Smartivity Labs, which included all the necessary materials to create the models. The participants had to build models using these kits within the given time frame. The competition was judged based on the models' creativity, innovation, and presentation.



Workshop on YUKTI Innovation Repository and YUKTI Innovation Challenge, 2023

- On April 24, 2023, a workshop on the YUKTI Innovation Repository and YUKTI Innovation Challenge was organized by the Product Development Unit for the students. The workshop aimed to introduce students to exciting initiatives and encourage them to participate and contribute to innovation in various fields. The workshop on the YUKTI Innovation Repository and YUKTI Innovation Challenge was highly informative and inspiring for the participating students. It succeeded in raising awareness about these valuable platforms, encouraging students to think innovatively, and motivating them to participate actively. The workshop concluded with an invitation for all students to submit their innovative ideas and projects to the YUKTI Innovation Repository and take part in the YUKTI Innovation Challenge.



Idea Pitching Session

"The Government of India declared May 11 as National Technology Day in the year 1999 and since then the day holds a special significance for the entire Nation. With India progressing at a fast pace in the field of Science, Technology, Innovation, and Entrepreneurship, the theme for this year's National Technology Day is School to Start-ups - Igniting Young Minds".

- Product Development Unit, celebrated and organised an Idea pitching session for start-ups and projects for funding on 11th May, 2023. The event was coordinated by Mr. Vijay Kumar Gill and Dr. Prashant Bhardwaj. The students devised their original maxims or catchphrases on the theme mentioned above. 26 students in 11 Teams participated in the event and shared ideas ranging from web development for services, improving Bluetooth devices, Home Automation, Home Intruder Alarm Systems, Solar Grass Cutter, Automatic Fire Extinguisher, high-speed Quadcopter, Medical Transcription, and Electronic Device made from recycling other Electronic Device etc. Dr. Susmita Ray and Dr. Parneeta Dhaliwal interacted with students and suggested some inputs for their Ideas and thoughts.



Workshop on “Idea Generation and Prototype Building with Arduino Uno and Sensor Integration”

- The five-day workshop (26th June- 30th June 2023) on "Idea Generation and Prototype Building" aimed to equip first-year engineering students with hands-on experience in creating innovative projects using Arduino Uno microcontroller boards and various sensors like ultrasonic, moisture, infrared sensors, etc. Additionally, students were introduced to the concept of 3D printing to enhance their prototyping skills. The hands-on approach allowed participants to gain confidence in building working prototypes and nurtured their creativity and problem-solving skills. The workshop successfully instilled a sense of enthusiasm for electronics and prototyping among the students, inspiring them to pursue further exploration in the field of engineering and technology.



Idea Generation and Prototype Building

3.5 Manav Rachna University- Center for Excellence

3.5.1 Centre of Excellence for Daikin India Pvt Ltd

DAIKIN Centre of Excellence

- MRU in collaboration with DAIKIN Air Conditioning India Pvt. Ltd. conducted a one-day workshop on “Installation and Servicing of AC” for Faridabad local vendors in the month of June 2023.



3.5.2. Centre of Excellence for Alternate Dispute Resolution

[a] Mediation Training Workshop was organized from (26.08.2022 – 10.09.2022)

The Centre of Excellence on Alternative Dispute Resolution (CADR), School of Law, Manav Rachna University, organized a 45-hour Mediation Training Workshop in collaboration with SAMADHAN (Delhi High Court Mediation and Conciliation Centre) in August/September 2022. The event was spread out over 6 days - 26, 27 August and 02, 03, 09, 10 September 2022. Full-day sessions were held from 08.30 am to 04.00 pm.

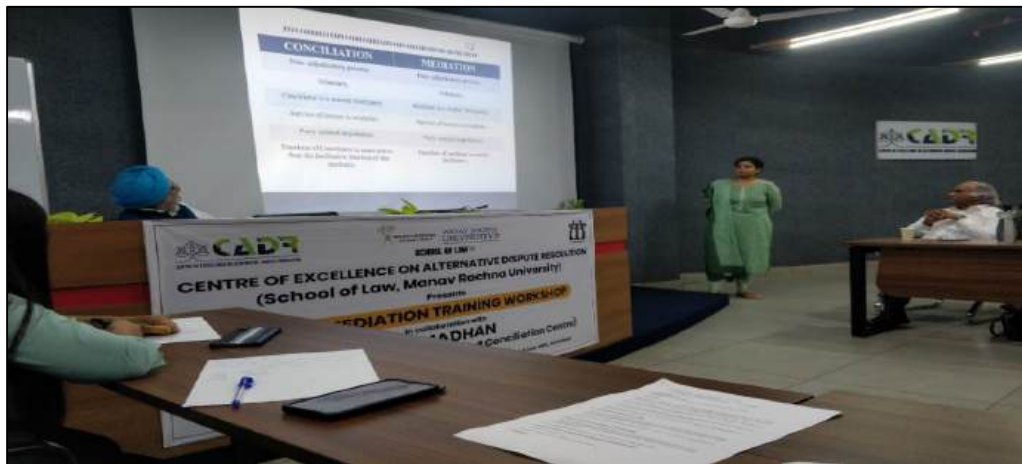
Five resource persons from Samadhan engaged the participants throughout the six days:

- Mr. J.P. Singh, Senior Advocate - A well-known civil, commercial, and arbitration lawyer and an accomplished mediator. Founder Organizing Secretary of Samadhan.
- Ms. Veena Ralli, Senior Advocate - Advocate in the Delhi High Court. Current Organising Secretary of Samadhan and leads more than 250 empanelled mediators in Delhi High Court, having conducted the maximum number of mediations in and the maximum number of settlements.
- Ms. Swati Setia, Advocate - Advocate on Record and trained Mediator
- Mr. Sumit Chander, Advocate - A practicing lawyer at Delhi High Court and a trained mediator. Pursued an advance mediation training program from Pepperdine University, California, USA.
- Ms. Mitali Gupta, Advocate - Advocate at the High Court of Delhi. Accredited in Commercial Mediation by the Indian Institute of Corporate Affairs.

The workshop enabled participants to acquire a comprehensive understanding of mediation concepts which need to be used keeping in view the requirements of Section 89 of CPC and other statutory enactments requiring use of mediation as an effective tool for dispute resolution. Trainers focused on teaching and equipping the student with various mediation techniques which would benefit them in deal with intricate issues while dealing with conflicting parties. The programme imparted all necessary skills and techniques to the participants for conducting mediation. The training was a blend of theory and practice and was designed in manner so as to have active participation. The methodology of the training included role plays, problem-based learning and group discussions.

1. On the first day general discussion about understanding the concepts of mediation took place - difference between judicial process and ADR and relevance of Section 89 of Code of Civil Procedure.

The mediation landscape in India in was discussed through historical perspectives and legislative and judicial approach. Causes and sources of conflict in the context of mediation was understood through conflict ladder.



Ms. Gupta giving an overview.

2. On the second day the philosophy of mediation was dwelled into. The classical mediation process consisting of introduction & information gathering, clarification, construction, and resolution was understood. In the post-lunch session, the six stages of the and four essential ingredients of the mediation process were discussed.



Experts doing a mock mediation.

3. Concept of negotiation was introduced - what is negotiation? why do we negotiate? and basic criteria in negotiation. A negotiation exercise was given and based on that negotiating styles and barriers to negotiation were described. Different concepts revolving around bargaining were explained - positional bargaining, distributive bargaining, interest-based bargaining, integrative bargaining and interest-based bargaining.



Students participating in a simulation.

4. It was explained that communication was the lifeline of mediation. Types of communication (verbal and non-verbal) and importance of body language was discussed. Mediation techniques like active listening, summarizing, reframing, paraphrasing, acknowledging, deferring, directing, setting the atmosphere and setting an agenda were explained. Importance of asking the right questions and questioning skills were taught. Concepts of BATNA, WATNA and reality testing were introduced.

5. Theoretical concepts of questioning skills were practiced through role play.



Participants doing mock mediation.

6. The role of mediator, parties, third parties and lawyers were discussed. Role play in a fish bowl exercise was conducted. Closing ceremony was held.



Fish bowl exercise being discussed

[b] Expert Lecture on Interplay of Insolvency and Bankruptcy Code with Arbitration”

The Centre of Excellence on Alternative Dispute Resolution, School of Law organized an expert lecture on the topic Interplay of Insolvency and Bankruptcy Code with Arbitration on 29th August 2023 at 01:30 PM in G-block. The lecture was delivered by Mr. Swarnendu Chatterjee, Founder, Law Chambers of Swarnendu Chatterjee & Advocate-on-Record, Supreme Court of India. The lecture revolved around the Indian Insolvency and Bankruptcy Code, 2016 (IBC) and the relationship between parallel insolvency and arbitration proceedings.



Students with Mr. Swarnendu Chatterjee.



Student’s Interaction

[c] Bootcamp on Mediation

School of Law organized a boot camp on Mediation on 28-29 September 2023. The camp was conducted by Mr. Jonathan Rodrigues, a certified mediator, with an academic background in Psychology and Law from Goa University and LL.M. in Mediation and Conflict Resolution from the University of Strathclyde. The Mediation Training Bootcamp was an intensive and comprehensive program designed to equip participants with a deep understanding of mediation within the legal framework.

Participants were encouraged to hone their negotiation, communication, and problem-solving skills, all of which are invaluable for effective mediation.

By imparting a solid understanding of mediation's legal framework and emphasizing the role of counsel in mediation, the bootcamp equipped participants with valuable skills and knowledge that will undoubtedly serve them well in their future legal careers. The integration of theory and roleplays ensured that participants could practically apply what they had learned, making this bootcamp a pivotal experience in their legal education.



Mr. Jonathan Rodrigues instructs students.



Group photo at the end of Day 1.



Briefing before mock session

3.5.3 Centre of Excellence for Legislative Studies & Resolution



InnoSkill 22- 11th& 12th April



Online Appreciation Course in Legislative Drafting: 3rd Edition
9th April 2022 to 18th April 2022



CLSR
CENTRE FOR LEGISLATIVE STUDIES AND RESEARCH
MANAV RACHNA UNIVERSITY
Soveeksha
CLSR

School Of Law Manav Rachna University

**Valedictory Function of
Online Course in Legislative Drafting
3rd Edition**

In conversation with
Mr PK Malhotra
Speaker
Former Secretary, Ministry of Law & Justice
Executive Chairperson, CLSR

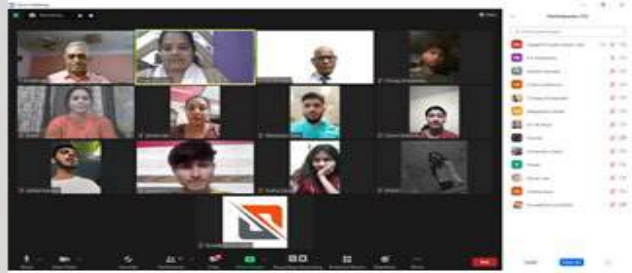
SUNDAY, APRIL 17TH, 2022
08:30 PM

MODERATOR

Dr SK Bose
Director, CLSR

Swarnil Garg
Research Fellow, CLSR

For more information contact:
+91-9993032070

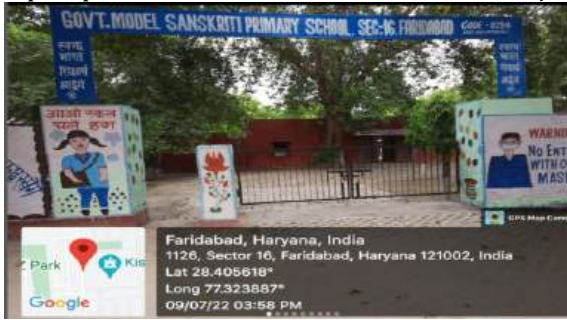


3.5.4 Manav Rachna Centre for Peace & Sustainability

Introduction:

MRCPS is committed to fostering peace and sustainability in the community by engaging in various outreach programs. Partnering with Jagruti Sewa Trust, this event was organized to make a positive impact on the environment and promote holistic well-being among school students. Team organized a visit to govt school July 09, 2022, sector-16 faridabad in collaboration with Jagruti sewa trust, 5 Participants volunteered for plantation drive and for meditation and yoga session on 28-7-2022.

The event took place on July 28, 2022, with an aim to promote environmental sustainability through a plantation drive and enhancing the well-being of students through meditation and yoga sessions. This report provides an overview of the event, its objectives, activities, and outcomes.



Volunteers interacting with school students and teaching them about peace and sustainability



Peace and motivations sessions and plantation drive.



Bhavya Agrawal
9643103618

Shreya Adlakha
9625069351

- The Stand-up against Street Harassment Training Session organized by MRCPS in collaboration with DSW on Oct 6, 2022 at Mandala G block, Manav Rachna University 330 student participated in the event powered by Breakthrough India was a resounding success. It addressed the pressing issue of street harassment, which is often overlooked or ignored. The event provided a platform for students to gain knowledge, share their experiences, and learn practical ways to respond to harassment.



Expert presenting about sexual harassment and types situation



Teaching about how to tackle situation



Students interacting and asking questions

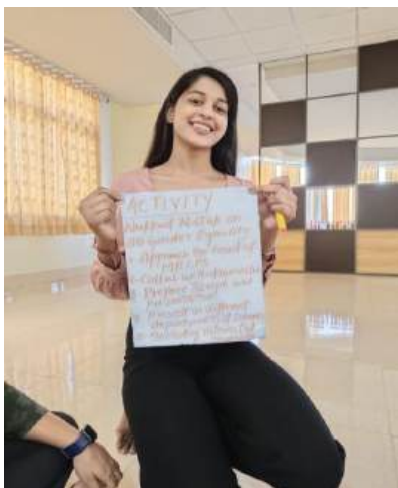
- The Centre organized a transformative visit to Gagan School on Nov 9, 2022, New Delhi for SDG Awareness. The initiative, entirely volunteer-led, aimed at fostering a sense of environmental responsibility and nurturing sustainable practices among the youth. During the visit, various activities

centered around the environment were conducted, engaging students in hands-on experiences that not only raised awareness but also empowered them to be advocates for a sustainable future. The program is instrumental in shaping conscientious and environmentally aware youth, laying the foundation for a more sustainable and resilient society in the years to come.



Volunteer from MRCPS teaching students about the importance of sustainability

- The purpose of the National Youth Peace Camp trip at Rajasthan organized on Nov 16-18, 2022 was to empower students to become advocates for peace and change-makers in their communities. There were 6 participants. The trip aimed to provide students with the knowledge, skills, and inspiration needed to actively promote peace, resolve conflicts, and foster understanding among people from various backgrounds.



Presenting MRU at events.



Interaction with national colleges during peace training.

training.



Engaging in activities.

- On the occasion of National Energy Conservation Day, Green Warriors, in collaboration with Dr. OP Bhalla Foundation and Manav Rachna Centre for Peace & Sustainability, organized the "Switch it Off" energy conservation initiative. There were 26 students who actively participated in the event. The primary objective of this initiative was to raise awareness about energy conservation and encourage responsible energy usage within the Manav Rachna University (MRU) campus. Sticker or Tag Designing Competition (December 5, 2022): The initiative commenced with a Sticker or Tag Designing Competition. Students were tasked with creating informative door tags reminding people to turn off lights before leaving a room. The winning design was selected for reproduction and distribution. The competition winner was Anushka Priya from the Faculty of Applied Health Sciences, whose design was chosen for mass production.

Glimpses of the event



- On February 2, 2023, Sadbhav, under the auspices of Manav Rachna Centre for Peace and Sustainability, hosted a significant yoga event named "Sūryanamaskāra." The primary aim of this event was to educate and enlighten students about the benefits of yoga asanas while emphasizing their impact on physical

and mental well-being. Sūryanamaskāra was an impactful and enlightening event. It successfully achieved its purpose by educating students about the physical and mental benefits of yoga asanas, specifically Surya Namaskar. The event was guided by the experienced and certified yoga guru, Mrs. Smti Anju Devi, who imparted valuable knowledge and practical guidance. With active participation from around 40 students, the event demonstrated that simple yet effective activities like yoga can play a pivotal role in enhancing one's physical and mental well-being.



Students performing yoga as instructed by the expert



Learning meditation for peace of mind

- The Sustainathon cum Global Peace Leadership Conference, held on April 11, 2023 at the prestigious Le Meridien Hotel in Delhi organized by Manav Rachna University in collaboration with the Global Peace Foundation, was a dynamic and transformative event. Over the course of three days, 156 students actively participated in the event. It provided a vibrant platform for students, scholars, and experts from diverse backgrounds to converge and engage in meaningful discussions and activities.



Dr. Hyun Jin P. Moon addresses students at Manav Rachna University



Dr. Prashant Bhalla, President of Educational Institutions at Manav Rachna University



Dr. Markendey Raj, Chairman of Global Peace Foundation India



- The primary aim of the "Leaps Hub Challenge" organized on April 11, 2023 presented at Youth Sustainathon was to foster innovative projects that support a sustainable future. Through the Leadership and Entrepreneurship program initiated by the Global Peace Foundation in Kenya, 32 students who actively participated in the event. Student were guided and motivated to develop skills necessary to start a business or establish a social enterprise. By focusing on employability and work readiness skills, such as CV development, job interview presentation, and office etiquette, the program empowers young innovators to become self-reliant. The event aspires to nurture and celebrate these forward-thinking individuals by providing them with a platform to present their innovative projects, gain mentorship, and compete for recognition and cash prize





Students presenting their ideas

- On the 22nd of June 2023, the Manav Rachna Centre for Peace and Sustainability (MRCPS) demonstrated its commitment to community well-being by organizing a cleaning drive at the Faridabad railway station. There were 10 participants in the event they all together brought a collective effort involving students, faculty members, and the dedicated cleaning staff. Enthusiastically wielding brooms, the participants collaborated to sweep and clean the passages, significantly enhancing the overall cleanliness and hygiene of the railway station premises.



Cleaning at Railway Station

- Zumba session was organized to promote holistic well-being, fitness, and a health-conscious lifestyle among 96 participants, fostering a sense of unity and emphasizing the center's commitment to peace and sustainability.



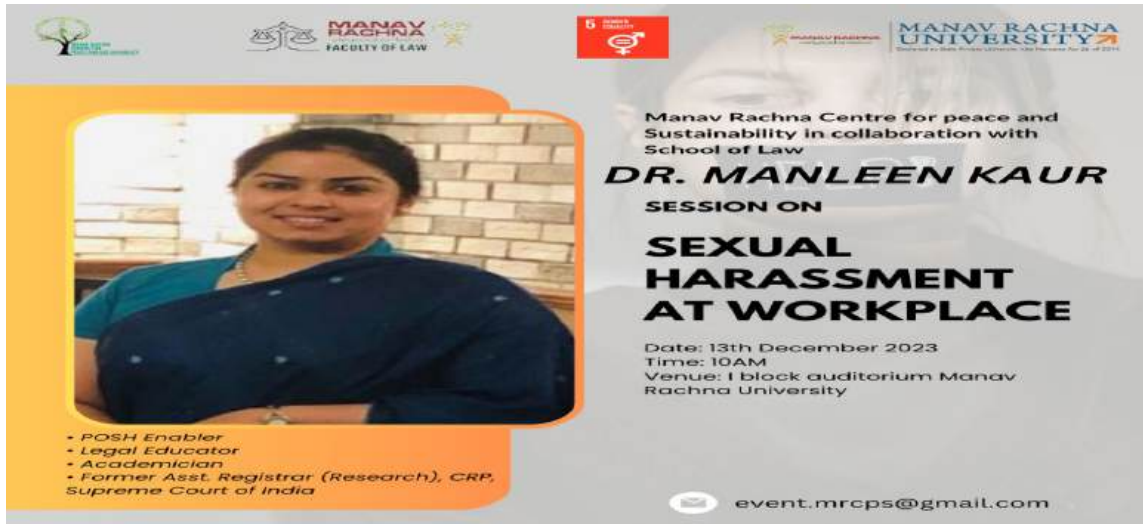


Students learning and performing Zumba

- Manav Rachna Centre for Peace and Sustainability's 'Project Khushi' stands out as a dedicated effort to contribute towards achieving United Nations Sustainable Development Goal 3 (SDG 3) – Good Health and Well-being. There were 20 students who actively participated in the event. The Sadbhav team in organizing heartening interactions on October 19, 2023 at Pacific Mall, prioritized mental health discussions, thereby promoting a holistic approach to well-being. By addressing mental health concerns openly and spreading joy through smiles and hugs, the initiative actively supports the overarching goal of ensuring healthy lives and well-being for individuals within the community.



Students assembling for games



MANAV RACHNA UNIVERSITY
FACULTY OF LAW

Manav Rachna Centre for peace and Sustainability in collaboration with School of Law

DR. MANLEEN KAUR
SESSION ON
SEXUAL HARASSMENT AT WORKPLACE

Date: 13th December 2023
Time: 10AM
Venue: I block auditorium Manav Rachna University

- POSH Enabler
- Legal Educator
- Academician
- Former Asst. Registrar (Research), CRP, Supreme Court of India

event.mrcps@gmail.com





3.5.5 Centre of Excellence-Innovation & Incubation Centre

1. A team of B.Tech students: Rudranand Sahu (ECE), Prajawal Paul (CSE), Chirag Sindhu (CSE), and Vinay Kumar (CSE) won **1st prize in e-Yantra Robotics Competition** (eYRC-2022-23) in the Swatchhta Bot theme , organized by IIT Bombay on March 31st – April 1st 2023. A total of 373 teams participated in the National level Competition.



2. Team Excels at Aravalli Terrain Vehicle Championship 2023

Under the leadership of Mr. Mohit Sanju and Mr. Rajveer Singh Bedi, a team of nine students from MRU-IIC excelled in the Aravalli Terrain Vehicle Championship (ATVC) from March 1 to March 5, 2023. The university generously financed the project with Rs. 5,70,000, and the team, guided by Dr. J P Sharma and Dr. Prashant Bhardwaj, showcased innovation in designing and manufacturing a durable off-road vehicle for challenging terrains. Utilizing advanced CAD/CAM software, they designed a lightweight yet powerful vehicle with excellent ground clearance, conducting rigorous tests to ensure optimal performance. Competing against teams from various universities, they secured ninth place in the national-level competition organized by Nutan Maharashtra Institute of Engineering and Technology, Talegoan, and Orison Education India Ltd. The event, promoting Skill India, Startup India, Go Green, and Make in India, attracted over 100 teams and 3500 participants, celebrating engineering innovation and skills.



3. Winners of various events under INNOSKILL 2023

- Mr. Jai, Mr. Mukul Sharma, Mr. Adrian and Ms. Neha of DoCST students won 2nd prize under Squared Challenged Vertical in ROBORace Competition.
 - Mr. Rajat, Mr. Krishna and Ms. Riya of DoCST students won 1st prize under Squared Challenged Vertical in ROBORace Competition.
 - Mr. Tuhin Trafdar (AIML 6A), Mr. Harsh Vashisth (AIML 6A) and Mr. Rehan Aziz (AIML 6A) won 2nd prize under Srijan vertical in AIML project category.
 - Mr. Shivam Minz (CSE 8th Sem), Mr. Harsh Kumar Vashisth (AIML 6A) and Rehan Aziz (AMIL 6A) students of DoCST participated in AIU North Zone Student Research Convention “Anveshan” held at at Desh Bhagat University, Mandi Gobindgarh Punjab on February 22-23, 2023 and presented their projects in the exhibition.
4. Mr. Tejas Singh, Mr. Priyam Garg, Mr. Mukul Sharma and Mr. Himanshu Pandey students of DoCST reached the final round of UHACKATHON 3.0, held at UPES Dehradun campus on 4th August, 2022. They were offered the opportunity of an online internship with CrossTower India Trading Private Limited, Gurgaon, Haryana.
5. Robo Fire Extinguisher by Shivam Minz (CSE)” This project won the 1st prize, It was constructed to participate in a hackathon on May 22nd at IMS Ghaziabad. The automobile featured a microcontroller, Bluetooth module, flame-response relay, and gear motor, and it was controlled by a mobile phone. Utilizing a water pump and nozzle, the fire is extinguished robotically at near proximity. Win the first prize in Heckathon 2022 held in IMS Ghaziabad.



6. Harsh Kumar Vashisth, Tuhin Tarafder and Harsh Chaudhary students of DoCST were awarded the Judge's Choice Award in UHACKATHON 3.0, held at UPES Dehradun Campus on 4th- August, 2022. They were offered the opportunity of online internship with Tenjin Technologies.



7. Shivam Minz, Kolla Teja and Harsh Vasishth, students of Department of Computer Science & Technology won Silver Medal in Project presentation in AGRANI, an Inter-National level exhibition organized by FGSI & NOSTC from 16th to 18th November, 2022 at Ravindra Bhawan, Goa. They also represented the State of Haryana and Manav Rachna University showcasing the achievements in terms of Science and Technology for the last 2 decades.



8. B.Tech CSE DSML 6th Sem Student Kolla Teja won judges prize in INNOSKILL under vertical Srijan. He made the crypto currency named Manav Rachna Coin which resembles some of the properties of famous digital asset Ethereum.



9. Ms. Drishti Uppal, Mr. Shivam Minz, Mr. Anish, students DoCST cleared the final round of UHACKATHON 3.0, held at UPES, Dehradun Campus on 4th August 2022 and were among the top 8 National teams. They got the opportunity of online internship with Tenjin Technologies, Gurgaon.



Greenovatia

An idea generation competition at NATURAZZI'23 annual fest of Dyal Singh College On 13 April, 2023, 2 teams from SMC, MRU participated in Greenovatia (an idea generation competition at NATURAZZI'23 annual fest of Dyal Singh College). Team 1 (Ayush Garg, Kunal Khanna & Harsanjam Nanda) secured 1st position. Team 2 (Bhavishya Ahuja, Sneha Bhatia, Ayush Tyagi & Saksham Mittal) secured 2nd position.





3.6 Research Integrated UG Programs

As outcome of the course introduction to research, research and innovation 1&2 the students at MRU are well equipped to produce high quality research paper that are published in reputed journals and are presented in conferences.

Journal Publications of students

S. No.	Paper Title	Student Author	Faculty Author	Journal Name	Volume & Issue No.	Publication Year	ISSN No.
1	Detailed Study of Wine Dataset and its Optimization	Suyash Sharma, Lakshay Chauhan	Parneeta Dhaliwal,	International Journal of Intelligent Systems and Applications	Vol. 43, No. 5,	2022	1064-1246

SCHOOL OF ENGINEERING

Conference Publications of Students

S.No.	Paper Title	Student Authors	Faculty Author	Conference Name	Year of Publication/ Presentation
1	Exploring the Effectiveness of Various Machine Learning Algorithms in Detecting Alzheimer's Disease: A Comparative Analysis	Aditya Pratap Singh, Harsh Vardhan Kumar Mishra, Vikas Sharma,	Esha Khanna	Innovative Computing And Communication organized by Shaheed Sukhdev College Of Business Studies, University Of Delhi, New Delhi In Association With National Institute Of Technology, Patna & University Of Valladolid Spain	2024
4	Video Steganography in IoT: Information	Vivaan Mittal,	Urmila Pilania	2023 International Conference on	2023

	Embedding using OpenCV and 2LSB			Sustainable Computing and Smart Systems (ICSCSS)	
5	Deep Anime Recommendation System: Recommending Anime Using Collaborative and Content-based Filtering	Varun Prakash, Sagar Raghav, Shivam Sood,,	Mrinal Pandey, Mamta Arora	4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N) Galgotias College of Engineering and Technology, Greater Noid,	2022
6	Identifying Exoplanet Candidates with Machine Learning	Chaitanya Virmani, Ria Singhla,	Priyanka Gupta & Hardeo Kumar Thakur	7th International Conference on Microelectronics, Electromagnetics and Telecommunications, Shri Vishnu Engineering College for Women, Bhimavaram, India,	2022
7	Stack Tag - Predicting the Stack Overflow Questions' Tags Using Gated Recurrent Unit Networks	Varun Prakash, Sagar Raghav, Shubham Sood,	Mrinal Pandey & Mamta Arora	International Conference on Intelligent Systems Design and Applications, Seattle, WA, United States,	2022
8	A Creative Domain of Blockchain Application: NFTs	Pulkit Upadhyay, Rohit Tanwar	Urmila Pilia & Manoj Kumar	Third International Conference on Mobile Radio Communications and 5G Networks (MRCN 2022), University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, India,	2022.
9	Application of AI techniques for Face Mask Detection	Metrey Arora, Yogesh Arora,	Mamta Arora	4th International Conference on Advances in Computing, Communication Control and Networking, ICAC3N,, Galgotias College of Engineering and Technology, Greater Noid,	2022
10	An Optimized Hybrid approach to Detect Cataract	Chetna Diwakar, Khushi Arora, Shruti Chaudhary,	Urmila Pilia	IEEE Global Conference on Computing, Power and Communication Technologies, GlobConPT 2022, India Habitat Centre, Lodhi Road, New Delhi, India,	2022
11	Bitcoin Price Prediction: A Deep Learning Approach	Teja Kolla	Mamta Arora	International Conference on Communication, Security and AI ICGSAI-2022, Galgotias College of Engineering and Technology, Greater Noid,	2022

12	A Gesticulation Superintend Arm with Arduino IDE	Shivam Minz, Minz, Shivam, , Nitish Behl, Prerna Rajput, and Siya Sharma	Sanjay Singh, Ankur Aggarwal	4th International Conference on Smart Systems and Inventive Technology (ICSSIT), Francis Xavier Engineering College, Tirunelveli, India,	2022
13	A comparative study of various techniques for crop Disease Detection and segmentation,	Varun Prakash, Sagar Raghav, Shubham Sood,	Sanjay Singh, Ankur Kumar Aggarwal, M. Thurai Pandian	4th International Conference on Smart Systems and Inventive Technology (ICSSIT), Francis Xavier Engineering College, Tirunelveli, India during	2022
14	Blockchain – a buzzword for Supply chain	Ayushmaan, Madhur, K Shri Hari	Meena Chaudhary	12th International Conference on global Information and Business Strategy in General Management, Gitarattan International Business School, Delhi,	2022
15	Gesture Recognition Using Machine Learning	Surya Pradeep, Sai Teja, Santhosh, Dinesh	Meena Chaudhary	12th International Conference on global Information and Business Strategy in General Management, Gitarattan International Business School, Delhi,	2022
16	The Epic Struggle Of Internet Of Things	Ayush Singh, Janvi Taneja, Chirag Sindhu	Meena Chaudhary	12th International Conference on global Information and Business Strategy in General Management, Gitarattan International Business School, Delhi,	2022
17	Weed Detection and Classification using Deep Learning techniques: A Review	Akash Singh, Dinesh Khatana, Prateek Singh Janmajay,	Mamta Arora	International Conference On Communication, Security and Artificial Intelligence(ICCSAI-2022)	2022
18	A Review on Posture Detection and Correction using Machine learning and Deep learning	Srijan, Malika,	Alpana, Priyanka Gupta	2022 Second International Conference on Next Generation Intelligent Systems (ICNGIS)	2022



3.7 MOU's Signed

1. The Department of Management & Commerce signed an MOU on 29th May 2023, between Manav Rachna University, Faridabad with Tata Steel Industrial Consulting and consulting arm of Tata Steel.
2. The Department of Management & Commerce signed an MOU with MENTORx. It is meant impart knowledge to enhance employability skills of the students of the institute and also to promote entrepreneurship & startup ecosystem in the region. MENTORx also provides and supports the employability skills enhancement as well as entrepreneurship and start-up activities at MRU by sending / arranging guest speakers.

Some of the following activities were conducted in Year 2022-2023:

- Innovation & Entrepreneurship Club (I&E Club), under Pre-Incubation Unit, Manav Rachna University conducted a "Start Up Conclave" on November 10, 2022. The session was graced with a welcome address by Prof. (Dr) I.K. Bhat, Vice Chancellor, Manav Rachna University, highlighting the importance of startups. He shared that a mechanism can be set up in motion that can bring noblest ideas to the doorstep of everyone. He was of the opinion that these discussions will act as a platform for students to engage in a dialogue relating to the industry's current requirements.

Resource Persons of the day were:

- (i) Dr. Munish Jindal, Founder and CEO of Hover Robotix and the founding president of Mentor X.
- (ii) Dr. Nancy Juneja, Founder – RevUp, Co-Founder MENTORx Global Chairperson, MENTORx Women
- (iii) Mr. Ambrish Ranjan, Vice President, Asort.
- (iv) Ms. Manleen Kaur Mahajan, Public Relations; Brand Communications, Consultant, Everest Fleet North,

Young Volunteer Organization.

(v) Mr. Nitin Pahuja, Co-Founder, Push Sports

A Key note session was held on "Taking your Start-up towards profitability" By Dr. Munish Jindal, founder & CEO of HoverRobotix and the founding president of Mentor X global. This was followed by a Panel discussion on " Real change is difficult at the beginning, but gorgeous at the end." Startup Founders and mentors were roped in who shared their entrepreneurial journey, challenges and skill sets required to create a sustainable and equitable future. The panel comprised of Dr. Nancy Juneja, Founder – RevUp, Co-Founder – MENTORx Global Chairperson MENTORx Women, Mr. Ambrish Ranjan, Vice President, Asort, Ms. Manleen Kaur Mahajan, Public Relations & Brand Communications, Consultant, Everest Fleet North, Young Volunteer Organization, Mr. Nitin Pahuja, Co-Founder, Push Sports, Step1 Advertising, Mr. Rajnish Kapoor, Managing Partner, IAN Fund. The entire session was inspirational and informative and was paired by entrepreneurial education with innovative opportunities to learn, work, and live. Towards the end there was an open house session with variety of questions. This talk by all the panelists stirred the confidence of students. They sparked the curiosity amongst students for the entrepreneurship and Start-up and how budding entrepreneurs can build a vibrant entrepreneurial ecosystem by enabling a network of industry collaborations, partnerships, mentors and peer-to-peer connect. The day was culminated with the "PITCH DECK- Idea Pitching Competition" with some brilliant ideas presented by the students. The event was coordinated by Dr. Yogita Sharma, Co-ordinator Entrepreneurship, Incubation and start-up. The honorary recognitions was followed by a Vote of Thanks by Dr. Yogita Sharma.





3. An MOU on 22nd Dec 2022 was signed between Manav Rachna University and Atal Incubation Centre IIT Delhi Sonipat Innovation Foundation. To be jointly organized various activities related to development of Startups, Entrepreneurship and Innovation environment targeting grass root Innovators and Entrepreneurs.

3.8 Institutional Social Responsibility (ISR)

1. Raddi Recycling Drive 2022-2023: Cultivating Sustainability through Waste Paper Collection

The Raddi Recycling Drive 2022-2023, a commendable initiative orchestrated by Dr. O P Bhalla Foundation in association with Manav Rachna University, stands as a testament to the institution's resolute commitment to environmental sustainability and conscientious waste management. This initiative, centered on the conscientious collection of waste paper, echoes the institution's broader mission to curtail paper wastage and promote eco-conscious recycling practices. Throughout the trajectory of this drive, an impressive 7780 kgs of waste paper had been gathered, from library and exam cell. This resulted in production of a substantial count of 1,700 notebooks with Rotaract Club, Faridabad Aravalli, with an additional 1,500 notebooks still in production with Max Xchange. The collective endeavor underscores the institution's proactive and dedicated role in upholding this ecologically-driven initiative. The overarching significance of the Raddi Recycling Drive 2022-2023 addresses SDG 12: Responsible Consumption and Production, SDG 13: Climate Action and SDG 15: Life on Land. Raddi Recycling Drive 2022-2023 is a display of dedication to sustainable action. Through the systematic collection and recycling of waste paper, the institution magnificently advocates for responsible consumption, climate mitigation, and ecological preservation. This initiative illuminates a trajectory for other institutions, encouraging them to embrace sustainable stewardship for a greener and more harmonious future.



2. Visit to Old Age Home: SHEOWS

MRU in association with Dr. O P Bhalla Foundation consistently encourages students and faculty members to engage in meaningful visits to SHEOWS - an Old Age Home located in Delhi. These visits are aligned with the principles of Sustainable Development Goal 3 (SDG 3), which focuses on promoting Good Health and Well-being for all individuals. Regularly, on occasions such as the International Day of Elderly Persons, Family Day, and Makar Sankranti, students and teachers from Manav Rachna engage in visits to the Old Age Home. These visits serve as expressions of solidarity and support for the elderly residents who have been left without family care. During these visits, students eagerly participate in various activities, including preparing musical performances that bring joy to the elderly residents. Engaging in meaningful conversations, the students establish connections that bridge generational gaps, providing companionship to those who may feel isolated. A remarkable example of these efforts occurred during Makar Sankranti, under the guidance of the esteemed Madam Satya Bhalla Ji, Chief Patron of MREI. Team MRU, along with the Foundation, extended their support by donating essential goods such as medicines, dry foods, and blankets. This benevolent act mirrors the commitment to enhancing the well-being of the elderly residents and providing them with essential comforts. In addition to these efforts, a consistent monetary contribution of Rs. 35,000 is made regularly to support the cause. This financial support further emphasizes the institution's dedication to the well-being and health of the elderly community. In essence, the visits to SHEOWS Old Age Home exemplify the

institution's proactive engagement with SDG 3. By fostering well-being, providing companionship, and extending material support, the initiative aligns with the broader global vision of ensuring the health, happiness, and dignity of all individuals, including the elderly.



3. MEGA PLANTATION DRIVE

Aligned with the Sustainable Development Goal 11 (SDG 11) of creating sustainable communities and cities, the Mega Plantation Drive organized by Dr. OP Bhalla Foundation in association with Manav Rachna University stands as a testament to the commitment towards building more livable, resilient, and environmentally conscious localities. This annual initiative, which spanned in places including GMS Sirohi and Teekri Khera, GGSSS NIT 3, GSSS Lakkarpur, Dhauj, and the Eco Club, aimed to enhance the green cover and ecological health of these areas while contributing to the broader goal of sustainable urbanization. In AY 2022-2023, 4 teachers and 80 student volunteers from MRU participated in the drive. Mega Plantation Drive showcased how collaboration between educational institutions and local communities can work in synergy to achieve sustainable development objectives. With the core objective of promoting environmental conservation and fostering active student participation in nurturing a cleaner and greener ecosystem, the team distributed 2700 plants of different varieties.

Plantation Drive:

S.No.	School Name	Tree Name	Qty.
1	Panheda Khurd	25 Neem,25 Amrood,25 Awla,25 Jammun,25 Nibbu	125
2	Girls NIT-3	Hez	500
3	Girls Old	Tulsi 1100	1100
4	Lakarpur	100 Tulsi,25 Neem,25 Pepal,25 Awla	175
5	Dhauz	Kadam,Neem,Jamun,Bel,Awla	100
6	Tikri/Jamalpur	Different Different tree,fruit trees	550
7	Sirohi	25 Safeda ,25 Neem,25Jammun	50
8	IP Colony	Tulsi-50,Belpatar-10,Aam-10,Ghar ke liye pode	100



Plantation Drive in Government School, Dhauj



Plantation Drive in Government

4. 'Vasudhaiva Kutumbakam' organized International Women's Day

Manav Rachna University in association with Dr. O.P. Bhalla Foundation under the initiative of Vasudhaiva Kutumbakam organized International Women's Day in association with Women Information Network, Global Initiative for Peace and Wellbeing, All India Council of Human Rights, Liberties and Social Justice and IAPEN India Association-Delhi Chapter on 06 March 2023. The event aligns with a variety of SDGs, most notably SDG 5 (Gender Equality), SDG 10 (Reduced Inequalities), and SDG 16 (Peace, Justice, and Strong Institutions) while also touching upon elements of SDG 4

(Quality Education), SDG 8 (Decent Work and Economic Growth), and SDG 9 (Industry, Innovation, and Infrastructure). The event was graced by Dr. N.C Wadhwa, Director General MREI; Dr. Binny Sareen Peace and Global Goodwill Ambassador; Dr. Paula Noble Fellingham Founder, Women Information Network (WIN); Dr. Bhai Sahib Satpal Singh Ambassador, Sikh Religion-USA Chairman, Sikh Dharma Universal; Dr. Amit Seth Director New Gen IEDC; Dr. Anita Jatana Consultant Dietetics Indraprastha Apollo Hospitals, Convener, IDA Delhi, Convener, NetProFan, Delhi; Dr. Luxita Sharma Director Amity Medical School Fellow Member of Eudoxia University, USA; Dr. Umesh Dutta, Director, Manav Rachna Innovation and Incubation Centre and. Shilpa Chadha Thakur , R.D, Sr. Consultant Dietetics, Asian Hospital Gen. Secretary, IDA Delhi Chapter Gen. Secretary, IAPEN Delhi Chapter. The event was attended by more than 400 participants which included students and Faculty members from different Departments.



5. Kaushal Karyashala-IT Skill Training

Kaushal Karyashala, an initiative by **Dr. OP Bhalla Foundation in association** with Manav Rachna University, which was launched on 27th Dec 2021 aimed to provide IT skill training to youth for better job prospects. It caters to the **4th SDG Goal** of providing Quality Education to all. Initially the program began with 30 students which eventually grew to 50. These 50 regular students were selected for practical training on campus. The first batch of Kaushal focused on training approximately 50 students from government schools in Mohna, Panhera Khurd, Nariyala, Dayalpur, Atali, and other villages in basic IT skills. Volunteer faculty members from ECE MRU- Dr. Meenakshi Gupta, Dr. Sanjay Singh and Mr. Piyush Mahendru went beyond their duties to train these students. The classes commenced in **January, 2022** and concluded in **February, 2023** with a final exam comprising practical, theory, and viva components. The Foundation team would leave early in the morning and bring the Students to campus; Out of 48 students, 45 successfully passed the exam and will receive certificates. On June 27th, 2023 a Felicitation ceremony to give certificates to all the passing Students was held in the auspicious presence of our Chairperson - Madam Satya Bhalla Ji. She congratulated and motivated the Students to achieve great success. The second batch of Kaushal started from June 2023, consisting of 50 students from Ankhir Government School from classes 9th-12th. These students are being trained in spoken English and personality development as well.



6. Kindness Week - Clothes Collection Drive held on 11th November 2022 and Clothes Distribution Drive held on 23rd and 28th November 2022

The students and staff of MRU donated clothes to participate in World Kindness Week on 11th November 2022 by donating their clothes under the drive name "Paridhan" under the **SDG 1 - No Poverty**. The purpose of this campaign was to collect and provide the underprivileged and needy with warm clothing before next winter. It was a pleasure seeing Staff and students volunteering for this event by donating jerseys, jackets, shirts, and blankets. They also helped to sort these clothes further. Everyone from the students to our dedicated faculty has been an essential part of this drive and even requested to continue the campaign for another week so that they could contribute more. Clothes were distributed among old age homes, orphanages, rescue homes and the housekeeping and security staff of Manav Rachna. These clothes were further distributed in the Slums on 23rd and 28th November 2022 by the Students and Faculty members.



Students and Faculty members donating Clothes for the drive

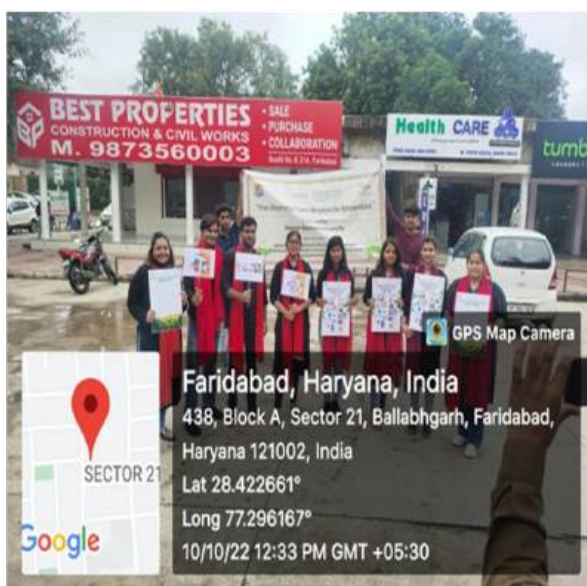
7. Blood Donation Camp

The Blood Donation Camp gets organized every year in the loving memory of Late Dr. Op Bhalla following his vision to give back to the society. Keeping the same heart The Leo Club sponsored by The Lions Club, organized one day Blood Donation Camp on 16th September, 2022 aiming at closing the gap in shortage of Blood in various hospitals after the huge spread of Corona. The Camp had more than 524 registrations out of which 400 units of blood collected which was even supported by the teachers and working staff of the Manav Rachna University. Having graced by the appearance of The Bhalla Family, a Padma Shri nominee and an Indonesian Gandhi, and the members of Lions Club as our chief guests the event was completed successfully.



8. NUKKAD NATAK

On October 10th, 2022, students took center stage in a vibrant Nukkad Natak, captivating the community with an engaging street play focused on solid waste management awareness. The energetic performance, held in a public space, effectively communicated crucial messages about responsible waste disposal, emphasizing the environmental and societal impacts of improper practices. The Nukkad Natak, driven by creative storytelling and relatable scenarios, not only showcased the students' talent but also served as a powerful tool for community engagement. The use of local language and cultural references enhanced the audience's connection to the message, ensuring a lasting impact. This initiative stands as a commendable step towards fostering a cleaner and more environmentally conscious society through the active participation and creative endeavors of the student community.



9. PLASTIC WASTE AWARENESS DRIVE

A united effort involving volunteers, students, and faculty members from MRU took place in Gadkheda village on October 15th, 2022, dedicated to spreading awareness about the adverse effects of plastic waste. The primary focus was on educating students at the local government school about the detrimental impacts of plastic on the environment, wildlife, and human health.

The initiative featured a comprehensive approach, encompassing a plastic waste awareness drive that underscored the significance of embracing sustainable practices. Pledge-taking sessions encouraged individuals to commit to reducing their plastic usage. Additionally, posters were distributed to reinforce the message visually, serving as constant reminders of the environmental consequences of plastic pollution. This event not only heightened awareness within the community but also spurred tangible actions toward fostering a more sustainable and environmentally friendly community.





10. DRAWING COMPETITION ON SOLID WASTE MANAGEMENT

In collaboration with Manav Rachna University, MSC Public School in Anangpur village organized a drawing competition on solid waste management on November 26th, 2022. Students from various grades enthusiastically participated, showcasing artistic talents while conveying essential messages about responsible waste practices. The event, emphasizing themes like recycling and waste reduction, not only nurtured creativity but also served as an educational platform, instilling awareness about the crucial role individuals play in maintaining a clean and sustainable environment. The competition, organized by Manav Rachna University, successfully blended artistic development with heightened environmental consciousness among the students.



CHAPTER: 4**SUMMER TRAINING/ INTERNSHIPS**

The job market is evolving rapidly, shaped by technological advancements, changing demographics, and societal trends. Apart from the academic curriculum, adaptability, digital literacy, and a willingness to continuously learn and upskill are essential for navigating the dynamic landscape of today's job market. Summer training and internships play a crucial role in shaping a student's academic and professional journey. Here at Manav Rachna University, Students are encouraged to attain summer internships and get hands-on experience in a professional setting. This practical experience helps students to develop skills and competencies that are highly valued by employers. Internships also provide opportunities to build relationships with professionals in your field of interest. Networking with colleagues, mentors, and industry contacts can open doors to future job opportunities, referrals, and collaborations. If a student is unable to attain internship opportunities, In-house summer training is offered by the departments.

4.1 Summer Training Modules (In-House Summer Training)**4.1.1 School of Education & Humanities****Summer Training****Objectives of the Program:**

After undergoing the program students will be able:

- To know the basics of English Grammar.
- To comprehend the information provided in oral and written form.
- To articulate their ideas.
- To acquire presentation skills.

Outcomes:

- Students will be able to develop interest in listening and reading.
- Students will understand how to comprehend the information.
- Students will understand the difference in intensive and extensive listening and reading.
- Students will be able to express themselves confidently.
- Students will be able to minimize the gap/translation pattern created due to the effect of their mother tongue.
- Students will present information in a structured manner on the provided topic.

Duration: 30 hours

Total No. of students: 79 – B.Ed Sem-III (27) + B.A.B.Ed-III (39) & B.SC B.Ed-III (13)

☐ Students were divided into three groups of 26-27 each

1. B.Ed –III

2. BA-B.Ed-III

3. BSc-B.Ed-III & BA-B.Ed-III

Sr. No.	Activity Name
1	Semantics, Syntax & Tense
2	Active & Passive Voices and Story Writing
3	Basics of Communication & Telephonic Conversation
4	Homonyms, Homophones & Phrasal Verbs
5	Group Discussion & Paragraph Writing
6	Movie Review & Report Writing
7	Mock Interview
8	Debate & Paraphrasing
9	Extempore & Black Board Writing
10	Role Play and Short Story Reading

4.1.2 Department of Electronics and Communication Engineering

Modules

- Arduino Module for Engineering Exploration
- Duration: 10 Days (6 hours per Day)
- **Strength: 250 students (CSE + AIML + CDFS + CSTI + R&AI)**

Day	Module/Topic Name
Day 1	Revision of Arduino and LED Blinking patterns, Potentiometer, Ultrasonic Sensor, LCD (16X2), Bluetooth, Motor and H-Bridge(L-293D), 4X4 Matrix Keypad.
Day 2	Android App for Data Uploading on Cloud.
Day 3	Formation of Teams and Selection of Projects. Synopsis preparation for Project.
Day 4-5	Arduino Code for Projects (Line Follower, Obstacle Detector Vehicle using ultrasonic Sensor, Password Protection using Fingerprint sensor, Smart Parking, Bluetooth controlled Vehicle, Home Automation etc.)
Day 6-8	Hardware of Project completion and integration of project with Code.
Day 9	Project Testing and Report Writing.
Day 10	Display of Project and Project Presentation for Evaluation.

The list of Industries where students have completed their internships is mentioned as **Annexure 4.1**

4.2 Placement Opportunities

The placement cell of Manav Rachna University plays a pivotal role in facilitating career opportunities for students. By providing a range of services, including job listings, career counseling, skill development, campus recruitment drives, networking events, alumni engagement, internship assistance, and feedback mechanisms, the placement cell empowers students to thrive in their professional lives. The academic session of 2022-23 was fruitful concerning the placements. With a remarkable escalation in the number of recruiters and the number of offers made, the session ended on a high note.

- 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 AV 2022-23 was 60 LPA, a testament to the quality of education and skills development imparted at the university.

- 3 International Placements
- Karan Aditya Ghosal, KPMG Canada, 60 LPA
- Sarthak Rastogi, Space & Times Labs, 55 LPA
- Deepanshu Sharma, EQUIPE SANTE INC, Canada, 30 LPA
- Highest Domestic Placement
- Ananya Kamra, Alto Palo Networks, 54 LPA
- Department of Computer Science & Technology witnessed esteemed recruiters including Accenture, Sagacious, Urvija, Adani Digital Labs, Infollion Research Services, Sonalika Tractors, Xebia, TCS, INFOGAIN, IBM, Capgemini, KPMG, Coforge, TechMahindra and many more.
- Students of Electronics Communication Engineering and Mechanical Engineering were successfully employed by Brillio Technologies Pvt. Ltd., ADP Private Limited, Hyderabad, JBM, Gurgaon, Carrier Airconditioning and Refrigeration Ltd., Lutron GL Sales & Services Pvt Ltd, JTEKT India, Pranav Vikas India Pvt Ltd, E-Ashwa Automotive, Capgemini, Lutron, JBM, Christian Pfeiffer India pvt. Ltd and ADP Private Limited.

- Students of School of Management and Commerce got placed in Lawrato, Intygrat Law Offices etc. The students from the School of Sciences got placed in Jubliant, Infollion, NCERT PAC, Lido Learning and many more.

- Students from the chemistry program got placed in various industries, research labs around the city. This year, students of chemistry were placed in SoulSerfer, Gurugram, Morepen Laboratories Pvt. Ltd; Infonative Solutions Pvt. Ltd; Space Technology & Education Pvt. Ltd, New Delhi; Kaimfin Industries, Faridabad; Sun Pharmaceutical Industries Ltd, Gurugram. With a maximum package of 6.3 lakh per annum. Also, many of our recruiters will offer internships with stipend while pursuing the degree and confirmation of job will be done after its completion.

- Teacher trainees of School of Education and Humanities got opportunity to be appointed as teachers in various reputed schools like Manav Rachna International School Sector 14, Employee Pooling Resources, Heights INC, Muni International School, G.D Goenka world School, Manav Rachna University, Radiant Public Sr Sec School, Arwachin Bharti School, Faridabad Model School, Kundan Global School, ATC Infocom Solutions PVT ltd, Shiksha Bharti Global School, KR Mangalam World School, MRIS Central Team, MRIS 21C, Blue Angels Global School, ST. Giri Public School, Adarsh Model Public School, Amity International School etc.

- Students from the Law Department were placed in Lawrato and Intygrat Law Offices.
- The list of Employers where students have secured their placements is mentioned in **Annexure 4.2**

CHAPTER: 5

"FACULTY ACHIEVEMENTS AND CONTRIBUTIONS

In the pursuit of knowledge and the betterment of education, the faculty members have consistently surpassed expectations, setting new benchmarks for themselves and their peers. Their achievements have not only earned them recognition within our institution but have also garnered appreciation from esteemed academic circles far and wide.

Throughout the year, the faculty members have demonstrated excellence in various areas, including but not limited to research, publication, grants, awards, and honors. They have presented groundbreaking research at national and international conferences, securing a prominent position in their respective fields. Acknowledging the relentless pursuit of excellence and the unwavering commitment to their profession, various prestigious certificates and accolades have been awarded to the faculty members. These certificates not only recognize their individual achievements but also underscore the collective success of our institution.

5.1 Certification Awarded to the Faculty.

S. No	Year of Award	Dept.	Date of Award	Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Student / Teacher / Scholar / University
1	2023	SMC	19-01-2023	Best Paper Presenter	Srishti Bathla	Amity University, Noida	Teacher
2	2023	SMC	05-05-2023	Panelist	Dr. Yogita Sharma	International Icons of Excellence Awards	Teacher
3	2023	SMC	06-10-2022	Education Icon Awards	Dr. Yogita Sharma	International Conference on Innovative Technology Driving Education	Teacher
4	2023	SMC	20-01-2023	BYST mentor	Dr. Chand Prakash	International Conference on Global Business Strategies for Sustainability (GLOBUSS), Amity School of Business, Amity University, Noida	Teacher
5	2023	SMC	29-04-2023	Certificate of Appreciation	Dr. Rashi Banerjee	BITS, MRU, Faridabad	Teacher

7	2023	SMC	06-05-2023	Token of Appreciation	Dr Rashi Banerjee	MRU	Teacher
8	2022	Law	19-09-2022	Best professor of the Year	Dr SK Bose	Mentorx and Kitecrafts	Teacher
9	2022	Law	05-09-2022	Top 100 Professors 2022	Dr SK Bose	Education Connect & Hypedge	Teacher
10	2023	Law	08-06-2023	Research Fund	Dr SK Bose	Law Time Asia	Teacher
11	2023	Education and Humanities	05-02-2023	Selected as Reviewer by University Grant Commission for reviewing the proposal invited under Dr. S. Radharkrishnan Post-Doctoral Fellowship Scheme	Dr. Savita Sharma	University Grant Commission	Teacher
12	2023	Education and Humanities	01-02-2023	Selected as Expert Reviewer for the manual on Sports Integrated Education developed by District Institute of Education and Training Karkardooma (SCERT-Delhi)	Dr. Savita Sharma	DIET (SCERT)	Teacher
13	2023	Education and Humanities	01-03-2023	Selected as mentor for the project under OER4BW project	Dr. Savita Sharma	unesco	Teacher

				(UNESCO)			
14	2023	Education and Humanities	01-03-2023	Mentor to Dr. Rekha Wagani under Hub 'Education-4' of Open	Dr. Ritu Sharma		Teacher
15	2023	Education and Humanities	01-03-2023	Mentor to Ms. Lalita Mutreja for the project title "Gauging emotional intelligence using a live interface" under Hub Education-2 for OE4BW 2023	Dr. Rashee Singh	under Hub Education-2 for OE4BW 2023	Teacher
16	2022	Department of Sciences - Program Mathematics	11-12-2022	Chaired the technical session in 6th International Conference of Recent Advances in Computational Mathematics and Applied Sciences(IC-RA-CMAS-2022)	Dr. Ruchi Gupta	Conference of Vijnana Parishad of India (VPI) organized by Department of Applied Sciences, Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies Faridabad, Haryana, India,	Teacher
17	2023	CST	29-01-2023	Best Paper Presentation Award	Ms. Gunjan Chandwani	5th International Conference on Communication and Computational Technologies (ICCT 2023)	Teacher
18	2022	CST	29-09-2022	Guest Speaker at FDP on IEEE R10 EAC Funded Two Day Workshop	Dr. Sachin Lakra	MRU, IEEE	

				On Outcome Based Education Framework & Preparing Institution for NBA SAR Filing			
19	2022	CST	05-09-2022	National Elite Teacher 2022 (Teachers' day 2022)	Ms. Anu Priya Sharma	I2OR National Elite Teacher Award 2022, instituted by the International Institute of organized Research (I2OR) which is a registered MSME with the Ministry of Micro, Small and Medium Enterprises, Government of India	
20	2022	CST	17-09-2022	Karmsu Kaushlam Puraskar	Dr. Hanu Bhardwaj	Manav Rachna University	
21	2022	CST	17-09-2022	Karmsu Kaushlam Puraskar	Dr. Jyoti Pruthi	Manav Rachna University	
22	2022	CST	17-09-2022	Karmsu Kaushlam Puraskar	Dr. Mamta Arora	Manav Rachna University	Teacher
23	2022	CST	17-12-2022	Young researcher Award, 2022	MamtaArora	STEM Research Society	Teacher
24	2022	CST	13-12-2022	Certificate of Appreciation	MamtaArora	Machine Intelligence Research Labs (MIR Labs) Scientific Network for Innovation and Research Excellence Auburn, Washington, USA	Teacher

25	2022	CST	24-12-2022	Session Chair	Charoo Jain	PIET, Jaipur	Teacher
26	2022	CST	25-12-2022	Certificate of Appreciation	Mrinal Pandey	Machine Intelligence Research Labs (MIR Labs) Scientific Network for Innovation and Research Excellence Auburn, Washington, USA	Teacher
27	2023	CST	07-01-2022	Mentor	Dr. Mamta Arora	BYST	Teacher
28	2023	CST	19-01-2023	Professional Certification	Priyanka Gupta	Microsoft Azure	
29	2023	CST	12-01-2023	Professional Certification	Jyoti Pruthi	Scrom.org	
30	2023	CST	12-01-2023	Professional Certification	Hanu Bhardwaj	Scrom.org	
31	2023	CST	31-01-2023	Educator	Sanjay Singh	Google	
32	2023	CST	11-02-2023	Reviewer Certificate	Mamta Arora	The National Institute of Engineering, Mysuru (Dept of ECE)	Teacher
33	2023	CST	04-02-2023	Mentor Certificate	Mamta Arora	Sharda University	
34	2023	CST	10-12-2022	Certificate of Appreciation	Dr. Manpreet Kaur	SWAYAM-NPTEL SPOC Felicitation workshop	
35	2023	CST	25-03-2023	Women Researcher Award	Dr. Alpana	5th Edition of Global Research Awards on ARTIFICIAL INTELLIGENCE	

						AND ROBOTICS	
36	2023	CST	29-05-2023	"CERTIFICATE OF APPRECIATION"	Anup Singh Kushwaha	ICT ACADEMY	
37	2023	CST	29-05-2023	"CERTIFICATE OF APPRECIATION"	ChandniMango	ICT ACADEMY	
38	2023	CST	29-05-2023	"CERTIFICATE OF APPRECIATION"	Priyanka Gupta	ICT ACADEMY	
39		CST	27-06-2023	Kaushal Kaarayashala	Sanjay Singh	MRU	
40		Math	11-12-2022	Chaired a session	Dr. Y.K. Sharma	6th International Conference of Vijnana Parishad of India (VPI) on Recent Advances in Computational Mathematics and Applied Sciences(IC-RA-CMAS-2022), Manav Rachna International Institute of Research and Studies (Deemed to be University) Faridabad, Haryana, India.	
41	2023	ECE	10-05-2023	DISTINGUISHED AS SPECIAL JURY MEMBER	DR. MEENAKSHI GUPTA	GD GOENKA UNIVERSITY	
42	2023	ECE	27-06-2023	VOLUNTEERING AS TRAINER IN BASIC IT/ITES SKILL PROGRAM UNDER	DR. MEENAKSHI GUPTA	MREI	

				KAUSHAL KARYASHA LA INITIATIVE BY OP BHALLA FOUNDATI ON		
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5.2 Extra Curricular Events Organized by various departments:

1. Business Haat on 18-10-2022 by School of Management and Commerce

The School of Management and Commerce, organized the event "Business Haat "on 18th October 2022 for students across the university to promote entrepreneurial mindset and culture in the campus and create an experiential learning experience for the students through showcasing their business ideas and understanding the nuances of managing their start-ups.



2. Ad-Mad Show on 12-11-2022 by School of Management and Commerce

The School of Management and Commerce organized an AD-MAD-SHOW for the BBA & MBA students wherein a product/Service/Brand was given in advance and the students presented an advertisement for the same in a team.



3. Jal Shakti Abhiyan with two competitions – Poster making and Quiz on 19-04-2023 by School of Education and Humanities

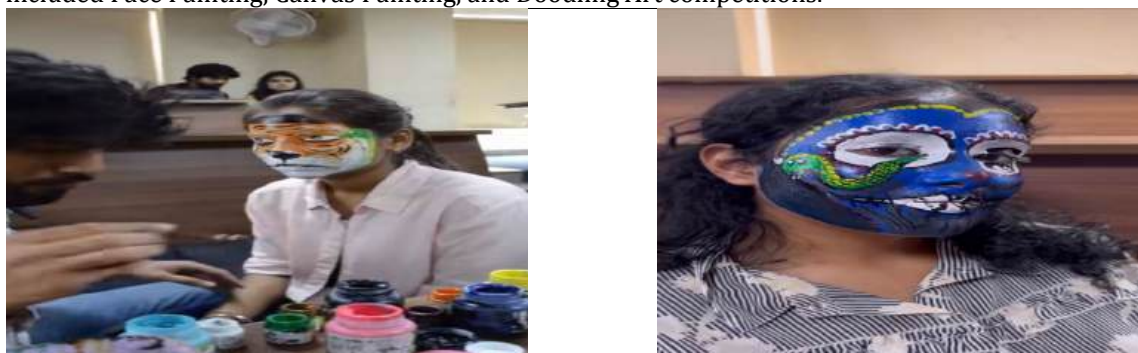
Jal Shakti Abhiyan (JSA): Catch the Rain- 2023 is a nationwide campaign launched by the Government of India to promote water conservation and the effective use of water resources. As a university, we can play an active role in promoting the JSA campaign and contribute towards the conservation of water resources. In this regard, the School of Education & Humanities to create awareness among students

and inspire them to actively participate in water conservation initiatives, the school of education and humanities organized various activities linked to this programme. The following events were planned to honor JSA- Catch the Rain 2023. On April 19, 2023, the following events were organized on the themes of water conservation and rainwater harvesting: a quiz competition and a poster and banner making competition.



4. Fine Arts Competition on occasion of Annual Cultural Fest (Resurrection 2K23) on 30-03-2023 by School of Education and Humanities, Manav Rachna University

School of Education and Humanities, Manav Rachna University organised an event on Fine Arts on 30th March 2023 on the occasion of Annual Fest (Resurrection 2K23) under the guidance of Dr. Rashee Sing, HOD, School of Education and Humanities. It was conducted in G Block, Ground Floor, MRU. The event included Face Painting, Canvas Painting, and Doodling Art competitions.



5. Green Fiesta 2023 on 18-05- 2023 by School of Education & Humanities Manav Rachna University and the Hazardous Substances Management Division, Ministry of Environment, Forest and Climate Chang

Manav Rachna University, in commemoration of **World Environment Day 2023** with the themes of "**#BeatPlasticPollution**" and "**Mission LiFE**," continues to exemplify its unwavering commitment to environmental preservation and sustainable development. A significant highlight was the organization of **Green Fiesta 23**, a collaborative effort between the **School of Education and Humanities, Manav Rachna University** and the **Hazardous Substances Management Division, Ministry of Environment, Forest and Climate Change**.



Events organized by DSW:

S.No.	Name of the Event/Session	Date (dd-mm-yyyy)	No. of students attended/participated
1	An online quiz competition, "Open the board of dialogue"	29-07-2022	15
2	An online poetry, poster and essay competition submission based "Patriotic Saga"	16-08-2022	25
3	Debate writing competition to foster critical thinking and enhance public speaking skills	25-08-2022	9
4	Theme of In Campus Photography competition, the "Shutter Photography Competition"	08-09-2022	51
5	Vatsalya SDG awareness through bookmarks- creating and distributing tags	14-09-2022	46
6	Racing competition, Three legged competition "Tie And Run Event" was held	15-09-2022	170
7	Nai Disha: Creative writing competition	16-10-2022	36
8	Ojasvi - Diwali celebration included diwali mela, play "Ramayan" and rangoli making	21-10-2022	54
9	A session on "Get into esports" was organized to make students aware of the trending esports	03-11-2022	200
10	Khalbali drama society auditions	04-11-2022	12
11	Scavenger Hunt was organized to make students feel charged after studies	17-11-2022	25
12	Lekh: Poem writing competition on sexual harassment	08-12-2022	17
13	Inspire: Poster making on violence against women	08-12-2022	14
14	Visual competition: videography on violence against women	08-12-2022	19
15	Switch me off: Tags for saving electricity at diff departments	10-12-2022	30
16	Poster and slogan competition on environment day for awareness & sensitisation	10-12-2022	34
17	An online dressup and singing competition "Bharatiya Bhasha Diwas"	11-12-2022	28
18	Cooking without fire event was held to bring different ideas from students	19-01-2023	15
19	A Talk Show on Importance of Investing in early 20's held by Mr. Saksham Goswami	19-01-2023	20
20	An online Poster making competition on health awareness with the aim to spread awareness for importance of health	02-02-2023	7
21	Art competition was held in online and offline mode both to encourage different art forms	16-02-2023	19
22	Ankahe Alfaaz by Khalbali Society	16-02-2023	60
23	An online Poetry writing competition on theme "MOTHER TONGUE DAY" was organized with the aim to bring beautiful lines on environment to encourage them	23-02-2023	
24	The Corruption Chronicles: A Theatre Competition was organized in anti corruption week to show the issues	23-02-2023	63

	related to corruption		
25	Essay Writing Competition on Women Safety and Gender Sensitization was organized by Dr. Kiran Gupta was held to create awareness	09-03-2023	85
26	Slogan writing Competition on World Water Day was held to celebrate the importance of water	23-03-2023	13
27	Debate competition on World Health Day to create awareness on this special day	06-04-2023	35
28	Rangoli making competition was held to encourage students to enjoy their culture and bring beautiful artistic rangolis	13-04-2023	131
29	Make a meem/ Reel Competition	27-04-2023	29
30	Sustainathon: Intercollege Competition on Sustainable projects	04-05-2023	200
31	Leap hub challenge	04-05-2023	50
32	Poetry writing on environment day	01-06-2023	14
33	Poster making on environment day	07-06-2023	31

Some Glimpses of the events:



Chapter 6

Student Centric: Outreach, Inclusivity, Professional Activities and Achievement Highlights

6.1 Students' Achievements

Students at Manav Rachna have achieved numerous accomplishments in the areas of sports, arts, cultural activities, and technical domains. Recognizing these achievements across various fields encourages a well-rounded education that extends beyond academics. It motivates students to explore their passions and talents outside the traditional curriculum, fostering a holistic development that prepares them for diverse challenges and opportunities in the future. This approach not only enhances their skills but also nurtures their overall growth and confidence

- **Sania and Amisha (BA LLB, 2nd Semester):** Semi-Finalists in the North Cap National Moot Court Competition (14th-15th April 2023).
- ☒ **Aarushi Sharma (BA LLB, 2nd Semester):** First place in Manav Rachna Educational Institution's 9th Open Girls Sports Meet (5th May 2023).
- ☒ **Akash Mehar (B.Sc.B.Ed, 8th Semester):** Second place in Clueminati event during MBA ROADIES 5.0 at MRIIRS (10th-11th April 2023).
- ☒ **Garima Dahiya (B.Sc.B.Ed, 8th Semester):** Second place in Clueminati event during MBA ROADIES 5.0 at MRIIRS (10th-11th April 2023).
- ☒ **Ishpreet Kaur (B.Tech ECE):** Second place in relay race and basketball at the 9th Open Girls Sports Meet (5th May 2023).
- ☒ **Digamber Phagna (School of Law):** Third place in powerlifting (83-93 kg) at BITS Open Sports Meet (15th-18th October 2022).
- ☒ **Vidhi Singh:**

- First prize in the 65th National Shooting Championship (shotgun event, Junior Women Team, 30th December 2022).
- Participant in shotgun Trap at Khelo India University Games (25th May-3rd June 2022).
- Sixth place (Junior Women Individual) and first place (Women Team) in the Digvijay Singh Memorial Shooting Championship (shotgun event, 20th November-10th December 2022).
- First place (Junior Team) in the Digvijay Singh Memorial Shooting Championship (16th December-14th December 2024).

- ☒ **Pratush (School of Computer Science and Technology):** Second place in Powerlifting Competition (Bench Press, Deadlift, Squats).
- ☒ **Ayush Tyagi and Saksham Mittal (School of Management and Commerce):** Fourth place in Inter College Business Quiz at DAV Institute of Management (31st March 2023).
- ☒ **Abhijit Nair, Chirag Dev, and Yana Kaushik (Management Department):** Second runner-up in Debate Competition at Global Finance Conclave, O.P Jindal University Sonipat (18th February 2023).
- ☒ **Om Chaudhary:** Third place in 25-m Shooting Firearms Event (0.22 Standard Pistol and 0.32 Centre Fire Pistol, Senior NR).
- ☒ **Abheer Mehrotra, Bhavesh Krishan Garg, Arsh Lakhina, Kunal Arora, Khushi Arora, Swastik Vasistha, Sarthak Pant, and Harsh:** Winners of Hacktoberfest 2022 Challenge (received Hacktoberfest 2022 t-shirt or opted for a carbon-friendly tree in the DigitalOcean Forest planted in their name).
- ☒ **Khushi Kathuria (CST):** Recipient of the J.K. Pal Memorial Award.
- ☒ **Khushi Arora (CST):** Awarded Outstanding Student Volunteer by IEEE, MRU.
- ☒ **Charu Goyal:** Awarded Outstanding WIE Student Volunteer by IEEE MRU.
- ☒ **Rudranand Sahu (B.Tech ECE):** Winner of the e-Yantra competition organized by MoE's Innovation Cell, AICTE.
- ☒ **Rumie Goyal (School of Education and Humanities):** Best Workshop Award by Planet Sparks (16th September 2022).

6.2 Event Organised

The School of Management and Commerce organized **Business Haat** on 18th October, 2022. The event was attended by participants from within the school and outside with the intention of bringing

together best business ideas on a common platform. Students across the university to promote entrepreneurial mindset and culture in the campus and create an experiential learning experience for the students through showcasing their business ideas and understanding the nuances of managing their start-ups. The event had stalls put by alumni entrepreneurs, social entrepreneurs and budding student entrepreneurs displaying handicraft goods, bakery items, food stalls catering to a specific niche taste of the states of Andhra and North East set up by students of BBA and CST who had recently ventured into taking this as a start-up and addressing a specific customer segment in Delhi NCR, also mouth-watering street food and other interesting fun games.



Business Haat 18.10.2022

School of Management and Commerce organized Ad Mad Show on the 12 th of November 2022, wherein a product/Service/Brand was given in advance and the students presented an advertisement for the same in a team of 5-6. Students were creative in their presentation and came up with some super interesting and hilarious advertisement ideas. Dr. Parul Jhaharia, Dean Department appreciated the students for their efforts and active participation. The event was coordinated by Ayush Tyagi from BBA Sem 3 under the guidance of Ms. Srishti Bathla.



Ad Mad 12.11.2022

School of Education and Humanities organized an event Jal Shakti Abhiyan on 19th April 2023. Catch the Rain- 2023 is a nationwide campaign launched by the Government of India to promote water conservation and the effective use of water resources. As a university, we can play an active role in promoting the JSA campaign and contribute towards the conservation of water resources. In this regard, the School of Education & Humanities to create awareness among students and inspire them to actively participate in water conservation initiatives, the school of education and humanities organized various activities linked to this programme. The following events were planned to honor JSA- Catch the Rain 2023. On April 19, 2023, the following events were organized on the themes of water conservation and rainwater harvesting: a quiz competition and a poster and banner making competition.



Jal Shakti Abhiyan 19.03.2023

Green Fiesta was organized by School of Education and Humanities on 18th May 2023 in commemoration of **World Environment Day 2023** with the themes of "**#BeatPlasticPollution**" and "**Mission LiFE**," continues to exemplify its unwavering commitment to environmental preservation and sustainable development. A significant highlight was the organization of **Green Fiesta 23**, a collaborative effort between the **School of Education and Humanities, Manav Rachna University** and the **Hazardous Substances Management Division, Ministry of Environment, Forest and Climate Change**. This endeavor, conducted under the **Central Sector Scheme**, featured a diverse range of captivating competitions, such as poster making, calligraphy, and best out of waste, which generated tremendous enthusiasm among the participants. Furthermore, a workshop focusing on composting was conducted to address the pressing issue of food waste. Several online competitions have been introduced as part of this comprehensive initiative. To add more excitement, a selfie point was set up with the theme of **Mission LiFE and Solid and Plastic Waste Management**.



Green Fiesta 18th May 2023

School of Management and Commerce, Manav Rachna University conducted a one-day workshop on use of SPSS and AMOS statistical tools on 6th May 2023 for all PhD scholars. The workshop received registration from 25 scholars from MRU, MRIIRS and other universities. Research Methodology is the central and most crucial component for carrying out any research endeavor in social sciences. A researcher has to be well-equipped and must have command over this aspect otherwise, however, well-defined and finely crafted concepts, hypotheses, questions, and objectives pertaining to the study are, they may not yield desired outcomes



Workshop on AMOS, 06.05.2023

School of Education and Humanities organized a workshop on "Research Methodology" by Dr. Amit Ahuja, Associate Professor, GGSIPU, New Delhi on 15th February 2023. With a research and teaching experience of more than two decades, Dr. Ahuja has been actively involved in research in collaboration with a number of organisations of repute such as AICTE, GERA, TERA etc.

The session started with a brief introduction of the speaker and presentation of a sapling to the speaker. The speaker started with a discussion about the nature and importance of research and research tools.

During the session, Dr. Ahuja acquainted the students with the need to develop research tools for data collection and then helped students select a topic for data collection (Effects of Mobile usage on Students) .



Workshop on Research Methodology 15.02.2023

Report on Global Startup & Entrepreneurship Conclave- 24 February, 2023

“In business, you don’t get what you deserve, you get what you negotiate.”

With this opportunity to kick start ideas, spread awareness about startups, get fundings from the investors, Pre-Incubation Centre, Manav Rachna University in association with Entrepreneurs Media organized Global Startup & Entrepreneurship Conclave 2023 on February 24, 2023 at T Block auditorium Dr. Sangita Banga, Pro Vice Chancellor, MRU. She addressed highlighted the various opportunities provided at Manav Rachna Institutes for the Holistic development of the students.

Prof (Dr) IK Bhat, Honorable Vice Chancellor, MRU. Shared that a mechanism can be set up in motion that can bring noblest ideas to the doorstep of every one. He was of the opinion that these discussions will act as a platform for students and all others to engage in a dialogue relating to the industry’s current requirements for development of the entrepreneurial ecosystem.



Global Conclave 15.02.2023

School of Law organized a One day National Symposium: Practical Aspects of Forensics in Criminal Investigation on 14th March 2023. The aim was to delve into the area of forensic science in order to investigate the applications of the same in criminal investigations.



MODERATOR GIVING THE INTROCUCTION OF THE SYMPOSIUM



FACULTY COORDINATOR DEEPTI MEENA WITH THE EXPERTS NEHA JHA, ADARSH MISHRA AND LAKHAN RANA

School of Education and Humanities organized a session on Communication and Stress Management skills Enhancement for Aspiring Teachers on 24th February 2023 by Dr. Prerna Vashistha, Associate Professor, Delhi Teachers Training College, GGSIPU in the I-block Audi.

She started the session by discussing the importance of Life skills in our stress full life. She explained how one can cope with the stress by using different strategies like meditation, listening music, yoga, proper sleep etc.



Session on Communication and stress management, 24.02.2023

School of Sciences organized a session on 'Bacterial resilience from single cell to colony scale using Mathematical Models on 13th January 2023 to engage the students and research community in the said field and open possibilities for future research collaborations. Knowledge enhancement in the field of bacterial resilience to antibiotic drugs and the use of molecular dynamic simulations to model action of new-age antibacterial



'Bacterial resilience from single cell to colony scale using Mathematical Models on 13th January 2023'

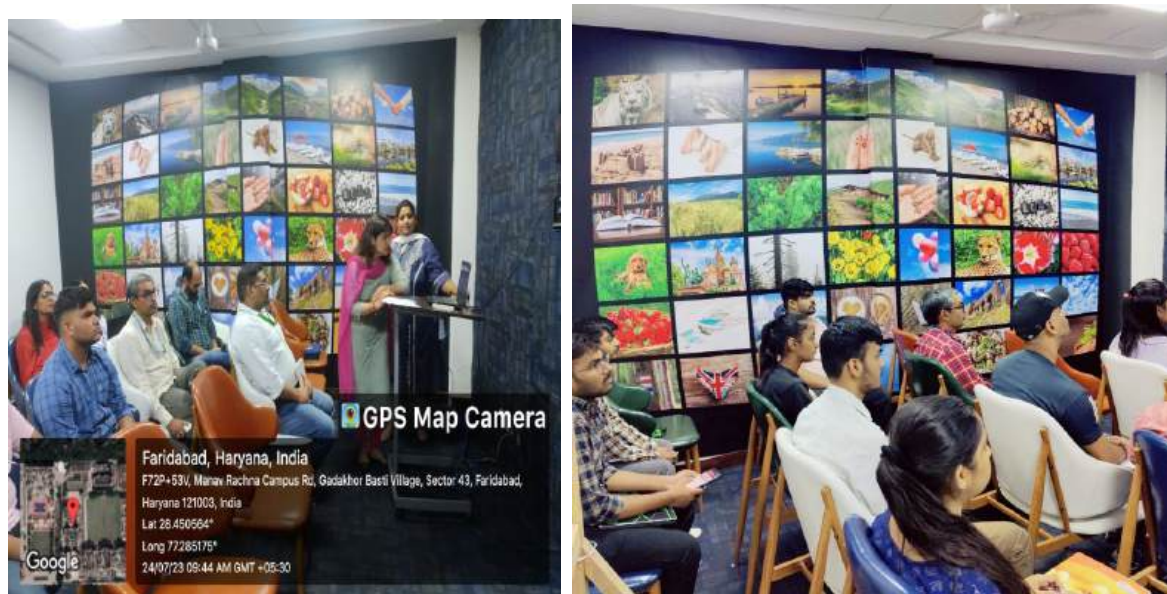
Department of Physics, School of Sciences organized a session on multiple facets of quantum Mechanics

Department of Physics, School of Applied Sciences, Manav Rachna University hosted an international conference on Futuristic materials-2022, on December 8-9, 2022. ICFM-2022 aimed to provide a platform for sharing an insight into cutting-edge research in the domain of futuristic materials to fulfil the sustainable development goals (SDGs). The conference felicitated discussions on recent innovations, trends, concerns, challenges and their possible solutions pertaining to the futuristic materials and their applications for the common good of humankind at global level.



ICFM 14.12.2022

Department of Electronics and Communication Engineering in association with NITTTR, Chandigarh organized a Short Term Course on “SCILAB PROGRAMMING FOR BEGINNERS” hosted by Prof. BALWINDER S DHALIWAL, ASSOCIATE PROFESSOR, ECE, NITTTR. There were 36 participants who aimed to introduce to the basics of Scilab programming, open-source software for numerical computation. Dr. Balwinder S Dhaliwal and his team delivered lectures on SCILAB programming for beginners and new technologies on Electronics & communication. He also guided and motivated faculties regarding various programming software available in the field of Electronics and Communication being their counterparts. The STC was very motivating and faculties actively participated and interacted with him to clear all their doubts.



Department of Computer Science and Technology organized a one day seminar on "Computational Techniques for Gait Profiling in Children with Cerebral Palsy for Rehabilitation"

The School of Law, in collaboration with the Office of International Affairs organised a guest lecture on "Mainstreaming Global Environmental Governance: Implications for legal education and practice" on 4 April 2023 in CADR Hall, G Block. The speaker for the event was Dr Nathan Cooper, Associate Professor at Te Piringa - Faculty of Law, University of Waikato, New Zealand.

Being a specialist in Environmental Law, Dr Cooper addressed the growing concerns in environmental jurisprudence. He traced the growth of environmental law in the international framework, providing an inter-disciplinary approach that connected Constitutional Law, Human Rights, and Tort Law to rising environmental concerns. Dr Cooper's use of case laws and landmark judgements kept the students interested and engaged through the session. Students were inquisitive and the prompt to-and-fro between the speaker and the audience made the session lively.

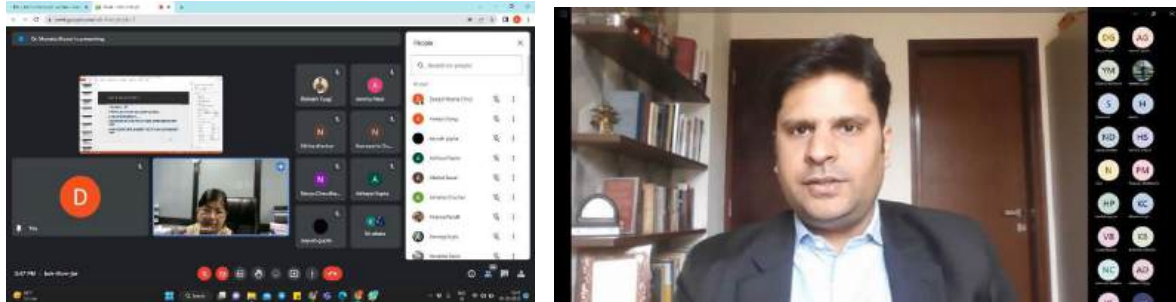


"Mainstreaming Global Environmental Governance: Implications for legal education and practice" on 4 April 2023

School of Law, Organized a Guest Lecture Series on "Insolvency and Bankruptcy- Law, Practice and Regulations" in February 2023. The resource persons for the series were:

1. Prof. (Dr.) Mamta Biswal, Professor of Law and ICSSR Senior Research Fellow
2. Adv. Sukrit R. Kapoor, Partner at King Stubb & Kasiva, Advocates and Attorneys
3. Mr. Siddharth Balani, Assistant Professor, National Law University Jodhpur

The Lecture Series focussed on one of the most important facets of a robust financial system – resolution of stressed assets. It would not be an understatement if we were to say that India has been witnessing a paradigm shift in the regulatory architecture concerning resolution of stressed assets over the past few years. The Insolvency and Bankruptcy Code (IBC) has profound impact on the creditor-debtor relationship in India. It’s been a bit more than five years since the provisions related to corporate insolvency resolution process (CIRP) under the Code were notified and implemented, and it provides a window for stock taking of the progress achieved so far and the expectations about the future.



Guest Lecture Series on “Insolvency and Bankruptcy- Law, Practice and Regulations” in 1-8th February 2023

One Day National Workshop on Multiple Facets of Quantum Mechanics: Quantum Computing, Quantum Optics & Quantum Communication

Department of Physics, Manav Rachna University organized a workshop on “*Multiple Facets of Quantum Mechanics: Quantum Computing, Quantum Optics & Quantum Communication*” MFQM on 2nd September, 2022, from 9 A.M onwards. The workshop was co-sponsored by National Academy of Sciences India (NASI-Delhi chapter) and Manav Rachna University.

The guests and speaker for the day were of honors Prof. Ajoy Ghatak, Prof. Anirban Pathak and Dr. Bhaskar Kanseri Honourable Vice Chancellor, Prof. Dr. I. K. Bhatt welcomed all the eminent speakers and declared the workshop open by highlighting the present and future aspects of Quantum Mechanics and its applications in real life.





Workshop on "Multiple Facets of Quantum Mechanics: Quantum Computing, Quantum Optics & Quantum Communication" MFQM on 2nd September, 2022

A Seminar on "Advancement and Current Trends in Autism Spectrum Disorder using Artificial Intelligence"

The School of Management and Commerce organized a session on Role of Fintech in Banking Sector by Mr Amit Pradhan - Vice President from the London Institute of Banking and Finance (LIBF). to give a guest lecture on September 18, 2023. This session was attended by First Semester students of BBA and MBA First and Third semester students. The speaker talked about recent trends in the Fintech industry across the globe. He discussed very innovative topics like Embedded finance, UPI Payments, Neo Banking, BNPL and Generative AI. The session was very informative and students interacted with esteemed guest very actively. The Vote of thanks was proposed by the HOD - Dr Tanushri Purohit.





Session on Role of Fintech in Banking Sector, 18.09.2023



Expert Talk on Gender Sensitization, 21.09.2022

School of Education and Humanities organized a Workshop on Emotional Wellbeing and Stress Management on 24th January 2023 for the students of the department of Education to address the growing need for individuals to develop effective strategies to manage stress and enhance their emotional health. The workshop aimed to provide participants with practical tools and techniques to identify, understand, and cope with stressors while promoting their overall mental well-being.



Workshop on Emotional Wellbeing and Stress Management on 24th January 2023

School of Management and Commerce, organized a webinar in association with Her Money Talks and Bombay stock exchange on 11th November 2022. Young professionals who can manage their personal finances are seen to be sensitive to the company and financial resources as well to equip them with the necessary money management skills as they enter the corporate world. BBA students attended the webinar and made best use of this opportunity from Industry leaders and in fulfilling our mission towards financial literacy and inclusion for all. Students received a co-branded certificate from BSE or NSE and Her MoneyTalks. The webinar was organised by Dr. Rashi Banerji and Dr. Shweta Goel, Ayush Tyagi and Chirag Dev both being students of BBA.



Webinar on Her Money Talks and Bombay Stock Exchange 11.11. 2022

School of Management and Commerce organized an interactive session on Creative Problem Solving Using Edward de Bono Techniques in collaboration with the International Skill Development

Corporation (ISDC) on 30th November 2022. Students from the BBA and MBA programme in Business Analytics attended the event After introducing the Six Thinking Hats and some well-known and intriguing statements, she next introduced the students to Edward De Bono philosophy of creative thinking and

problem solving. The students were given two questions to solve in the activity, and they had to come to the appropriate conclusions for each one.



Creative Problem Solving Using Edward de Bono Techniques 30.11.2022

6.3 Orientation '22

Aarambh 2022, the Orientation Program at Manav Rachna, welcomed students with great gusto marking the beginning of the session 2022-2023. For the Almighty's blessings, the day began on a blissful note. For almighty's blessings, a hawan was conducted by the University, followed by lamp lighting by dignitaries and parents.

Dr IK Bhat, VC, MRU; Dr. NC Wadhwa, DG, MREI; Dr Sangita Banga, Dean-Academics, MRU; Dr Pradeep K. Varshney , Dean Reaserch , Prof. DS Sengar MRU blessed the students with their august presence. Along with this, Deans, HoD's, and the Faculty of each department also guided the students on the new horizon. Enthusiastic students and parents joined hands for a brighter future with the Manav Rachna. Prof (Dr.) Sangeeta Banga, Dean Academics, MRU introduced the structure and functioning of the Manav Rachna Educational Institution to the newly enrolled students. They introduced about the vision and mission of the Founder Visionary Dr. O.P. Bhalla (Educationist and Philanthropist), whose motto of creating better human beings by the means of quality education. In session II "Mentor Mentee Interaction".



Dr. Gauri Bhasin welcomed and addressed the newly joined students. Dr. Shruti Vashist gave an insight on the Mentor and Mentee Concept along with the introduction to the mentors' allotted to the departments. Campus visit was organized to newly admitted students. Manav Rachna Shooting Range, Sports Science Centre, DAIKIN & Altair- Design Tech Centre of Excellence, Innovation & Incubation Centre & Central Library were few places among others.



Alumni interaction was very informative and encouraging conducted by Ms. Niharika Yadav and Mr. Himanshu Sehgal. Mr. Himanshu motivated the students by briefing his journey as an engineer a travel blogger.



A melodious musical evening was performed by the band 'KALESH'. They enchanted the audience with their musical Bollywood numbers. They mesmerized one and all with their magical notes involving the audience. Senior students gave enthusiastic performances making everyone sing and dance. It was engaging and fruitful for one and all involved.



The Zumba session was held to energize students. The session was conducted by Mr. Sumit Kumar and his team. The objective of this program was to escalate the students' spirit, burst stress, and make them physically active.



In the 'Campus to Corporate' session, Ms. Rakhi Pruthi (Head CRC) briefed about the resources available in MREI. The Corporate Resource Centre (CRC) is one of the facilitating units of Manav Rachna Educational Institutions (MREI), which engages with the industry and constantly strives for expanding the industry-academia interface.



In continuation of a series of talks for the newly admitted batch of 2022, a session on "CDC and personality enhancement" was planned for the newly admitted students. Dr. Hanu Bhardwaj and her team introduced the Career development center with its objectives and various interventions during the student's stay. The team member started the session with storytelling, which ended with learning that the individual's choice matters to succeed.



The session on Student Facilitation Centre by Ms. Kanupriya was conducted to let students know that SFC compliments the services available on campus and is the first point of contact for students for most of the general queries during their academic life at Manav Rachna. She introduced the five broader areas Academic queries, financial requests, examination aids, housing facilities, and general services.



The session on Dr. O.P. Bhalla's foundation was first taken by Dr. N.C. Wadhwa, the Vice Chairman, Dr. O.P. Bhalla Foundation and further initiated by Ms. Ritika Singh, Programme Coordinator, one of the team members of the foundation. Dr. N.C. Wadhwa highlighted the initiatives that are being taken from time to time by the foundation. He threw light on the initiatives like Skilled India, Skill Development, and adoption of villages by the foundation, Ek Mutthi Daan, etc. He also enlightened the students by telling them about the activities and initiatives done by the foundation during the covid time. He also encouraged the students to participate in these activities and be a part of the foundation. He talked about the importance of being a good human being and how you can contribute to society. He mentioned that to lead a good life one needs to be a good human being first.



The further session was taken by Ms. Ritika Singh, the Secretary of the foundation. She talked about the role of Individual Social Responsibility and how one can gain purpose and happiness by contributing to the larger good. She asked 10 students to come forward to donate a pen and more than 10 students came forward to donate their pens.



A session was conducted by chief proctor Prof (Dr) Sudhish Kumar Shukla. The objective of the presentation was to make students aware of the importance and relevance of discipline in their life. Some rules were strictly put forward like the use of cell phones in the academic area is prohibited. Prof Shukla talked about various committees/cells (anti-ragging committee, anti- ragging squad, women cell, grievance cell, etc.) for students to use in their future life at the MRU campus.

The session on Research and Innovation,” A Culture Of Research And Innovation” was conducted by Dr. Pradeep K. Varshney, Dean of Research & Development Cell (RDC) and Dean of Applied Sciences with the vision to educate students in frontier areas of knowledge and to develop the environment as the thrust area of research & development.



6.4 Eight Convocation, MRU

The eighth convocation was conducted on 26th April 2023. Shri Bandaru Dattatreya, Honourable Governor of Haryana, was Chief Guest and delivered the Convocation Address at the ceremony.

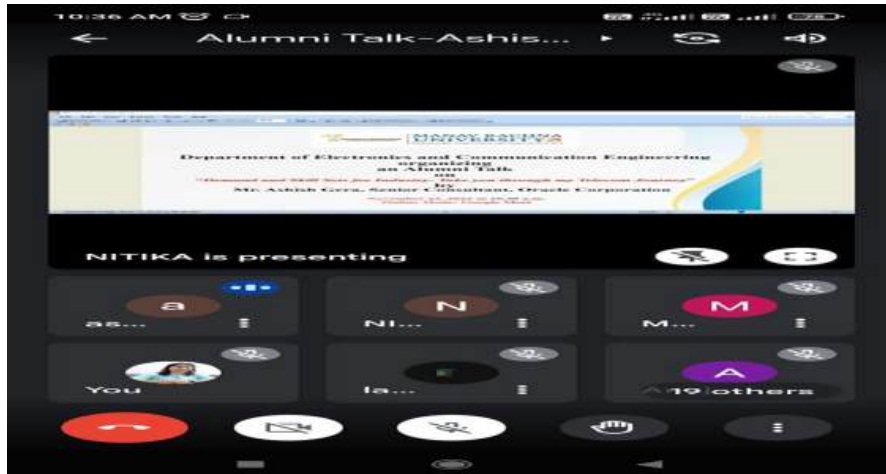
On this occasion four Honoris Causa degrees were bestowed upon ten stalwarts. The recipients included, Shri Naveen Maheshwari, Director Allen Career Institute, Kota, Mrs. Rajkamal Vempati, EVP and Head HR, Axis Bank, Padamshri Mr. Gagan Narang (Olympian & Vice President IOA), and Prof. Yogesh Singh, VC University of Delhi.



6.5 Alumni Network Event

EVENT REPORT – Alumni Expert Talk on Demand and Skill Sets for Industry- Take you through my Telecom Journey (23rd November 2022)

The Department of Electronics and Communication Engineering at Manav Rachna University organized an Alumni Talk by Mr. Ashish Gera, a Senior Consultant at Oracle Corporation, on 23rd November 2022. During the talk, Mr. Gera shared insights from his telecom journey, discussing the challenges he faced along the way. He motivated students to focus on their core subjects from the beginning of their studies and to start developing projects related to their areas of interest early on, rather than waiting until their final year.



Interaction with CSE Alumnus - Mr. Deepak Gupta (BTech CSE 2005 -09 Batch) on 06th Sept 2022

Manav Rachna University organized an Alumni Meet for first-year students on 6th September, featuring Mr. Deepak Gupta as the guest speaker. With over 11 years of experience in leading organizations, Mr. Gupta shared his past experiences to inspire students to aim high in life. He emphasized the importance of teamwork and perseverance, drawing from his own career as a focused and committed team player. The event was both interactive and informative, providing valuable insights for the students

Event Captures:



Alumni Event organized by Computer Science and Technology Department with Mr Deepak Gupta

Alumni Lecture organized on 09-09-2022 by Mechanical Engineering Department

On 9th September 2022, Mr. Chetan Dilawri, an alumnus of the 2018 batch from the Mechanical Engineering Department and currently a Senior Marketing Engineer at Danfoss Industries Limited, conducted an interactive session. He provided a brief insight into the HVAC sector at Danfoss Industries Ltd and its applications. The main focus of his session was to educate students on career opportunities and higher education prospects in this field

CHAPTER: 7

SDGs AT MANAV RACHNA UNIVERSITY

Manav Rachna University (MRU) has showcased a robust commitment to sustainable development goals (SDGs) throughout the previous academic year. Across various domains such as education, research, campus operations, community engagement, and student involvement, MRU has actively pursued and implemented sustainable practices. This report meticulously captures the key initiatives and resultant achievements, underscoring MRU's dedication to sustainability and its noteworthy contribution towards advancing the SDGs.

Introduction:

Manav Rachna University acknowledges the significance of sustainable development, integrating the Sustainable Development Goals (SDGs) seamlessly into its strategic vision. Through this alignment, MRU endeavors to cultivate a sustainable campus environment, drive research towards viable solutions for sustainability challenges, and inspire a sense of responsibility in its students, empowering them to be proactive agents of positive change.

7.1 KEY INITIATIVES

7.1.1 Sustainable Campus Operations:

- The university has all the water management techniques aligned for the purposes of ensuring sustainable development by minimizing the usage and subsequent wastage of water. The university has established various water management techniques which follow the statutory environmental laws as has also been highlighted under the Haryana State Action Plan on Climate Change.
- MRU has entered into and executed all the necessary relevant agreements with the registered and approved organizations for the purposes of e-waste management, solid waste collection and handling, safe disposal of hazardous waste (used/waste lube oil) and bio-medical waste management. The university is also in compliance with all the terms of the said agreements executed between the university and the respective organizations.
- Manav Rachna University is actively engaged in addressing solid waste management through its dedicated initiative, "Project Journey - Waste to Resources." This comprehensive project encompasses a multifaceted approach that includes creating awareness through events and competitions conducted in schools and villages. By organizing these educational initiatives, the university aims to instill a sense of responsibility and promote sustainable waste management practices within local communities.

7.1.2 Curriculum Integration and Research:

- MRU revised its academic curriculum to incorporate sustainability-related courses across various disciplines.
- The university facilitated interdisciplinary research projects addressing environmental, social, and economic sustainability challenges.
- Students and faculty members were encouraged to conduct research and publish papers on sustainable development topics.
- Curriculum Mapping and Integration of Sustainable Development Goals (SDGs) through project-based Learning at Manav Rachna University In the realm of modern education, the role of curriculum mapping is pivotal in aligning educational objectives with desired outcomes. In the context of academic teaching and learning, the United Nations Sustainable Development Goals (SDGs) provide a comprehensive framework for addressing global challenges. Manav Rachna University has recognized the significance of SDGs as a guiding tool for developing a curriculum that promotes holistic education and sustainable development. Manav Rachna University employs curriculum mapping with SDGs and

integrates Project-Based Learning (PBL) to cultivate skills and competencies among students to contribute to the achievement of these goals.

7.1.3 Community Engagement:

- MRU actively engaged with the local community through awareness campaigns, workshops, and seminars on sustainable living practices.
- The university organized events, such as tree plantation drives and clean-up campaigns, to promote environmental stewardship.
- MRU collaborated with local NGOs and government bodies to support community development initiatives related to education, health, and environmental conservation.

7.1.4 Student Involvement and Empowerment

- MRU established student-led sustainability clubs to raise awareness and drive sustainable initiatives on campus.
- Students participated in sustainability-focused competitions, hackathons, and conferences, fostering innovation and creativity.
- The university provided internships and volunteering opportunities in sustainability-related organizations to enhance students' practical understanding.

7.1.5 Environmental Impact:

- Significant reduction in energy consumption through efficient lighting systems and solar power generation.
- Water conservation efforts resulted in a substantial decrease in water usage.
- Proper waste segregation and recycling practices led to a considerable reduction in landfill waste.
- Research and Publications
- Increased research output on sustainability topics, resulting in several research papers, publications, and patents.
- Interdisciplinary research projects addressed critical sustainability challenges, contributing to the body of knowledge in the field.

7.2 About Manav Rachna Centre for Peace and Sustainability (MRCPS)



MRCPS was established under the guiding principles of the visionary and legendary academician and nation-builder, Dr. O.P. Bhalla, who championed the cause of knowledge, values, and ethics to establish peace and sustainability. It is a hub of academic endeavors, training, research, community awareness programs, and more, dedicated to all spheres of peace and sustainability. Established on October 2,

2019, MRCPS envisions promoting peace and supporting the development of India's peace operations through the power of youth. It is the epicenter of peace and sustainability activities, focusing on education, training, value inculcation, attitude formation, research, policy-making, collaboration, and networking. MRCPS's Advisory Board comprises luminaries such as Padma Vibhushan Dr. Karan Singh as Chairman, former Chairman of UGC, former member NDMA, Chairman of Terre Policy Centre, UNEP, Founder of WISCOMP, Head of the Department of Psychology at Delhi University, Chairperson of Bharat Soka Gakkai (BSG), and Retired Officer in Chief- Indian Army, among others.

UN's Development Agenda for 2016-2030 i.e. "Transforming our World: the 2030 Agenda for Sustainable Development" comprising 17 Sustainable Development Goals (SDGs) and 169 related Targets have been adopted and signed by the Government of India in Sept 2015. There is already a strong interest in and response to the ambitious 2030 Agenda for Sustainable Development by governments, international agencies, businesses, civil society and other institutions in UN member countries. The SDGs also have strong relevance to universities and Higher Education institutions as education and research are explicitly recognised in a number of the SDGs. Universities play an important role as a convener and facilitator of support processes of SDGs to make an impact in our society. Realizing this responsibility towards nation and society, Manav Rachna University established Manav Rachna Centre for Peace and Sustainability (MRCPS) a center of excellence of Manav Rachna University, a visionary step for the Holistic Development of youth to build a Peaceful New Bharat. The centre was launched on 2nd October 2019, on the birthday of our father of nation. It has been initiated with a vision to bring Peace in humanity and support the development of India's Peace operations which should be sustainable and result in emergence of "Peaceful New Bharat". The centre is stirred by an eminent Advisory Board having very eminent luminaries from different domains.

The MRCPS is the epicenter of academic endeavors like: training, research, community awareness programmes in all spheres of Peace and Sustainability. The centre is the embryo for promoting new approaches towards ensuring Sustainable Development and Peace at local, national and global level. This centre is going to be a think tank dedicated for promoting Peace, Security and Sustainable Development of the society.

7.2.1 VISION

- To bring Peace & Sustainability to humanity.

7.2.2 MISSION

- To study, educate, conduct training and promote research in all spheres of Peace & Sustainability.
- To propose and promote creative and new approaches towards ensuring Sustainable Development and Peace at local, national and global level.

7.2.3 OBJECTIVES

- To provide Education & Training in different aspects of Peace and Sustainable Development.
- To inculcate Values of Peace and Sustainability among students.
- To promote Research among youth in the area of Peace and Sustainability focusing on creation of sustainable communities with an attitude of health and well-being of all.
- To support Policy Making in the area of Peace at local, University, State and National level through research and experimentation.
- To promote Collaboration and Networking among promoters and practitioners.

Structure of MRCPS

MRCPS is presently focusing on six SDGs listed below:

1. SDG 3: Good Health & Well Being
2. SDG 4: Quality Education,
3. SDG 5: Gender Equality,
4. SDG 7: Affordable and Clean Energy,
5. SDG 8: Decent Work & Economic Growth
6. SDG 13: Climate Action,
7. SDG 16: Peace, Justice & Stron Institutions

MRCPS is making an attempt to contribute towards achieving the above mentioned SDGs through verticals SahRita, Parashakti, Prakarsh, Sadbhav and Samridha. MRCPS's five verticals, namely PARASHAKTI (Women empowerment), PRAKARSH (Quality Education), SAHRITA (Environment conservation), SAMRIDDHA (Economic Development), and SADBHAV (Health & Peace), focus on different six SDGs. The center has collaborated with UNESCO-MGIEP, IPRA, Heartfulness organization, among others. It encourages research projects under SDGs and introduces the Peace and Sustainability Student Club (MRPSC). MRPSC comprises Green Warriors striving for environment conservation, Peace Champions developing skills and attitude towards peace, and Gender Champions spreading awareness and putting efforts towards women's empowerment.



7.2.4 COLLABORATIONS

NAYLA UNIVERSITY, SUDAN

MOU between Manav Rachna University and Nayla University is grounded on the fundamental principle of reciprocity, demonstrating the shared enthusiasm of both institutions to foster academic collaboration. Through this agreement, they aim to facilitate the exchange of scholars, students, academic information, and materials. This collaborative endeavor is driven by the belief that such exchange programs will enrich the research and international educational process at both universities, leading to a deeper mutual understanding among their respective scholars and students. By embracing this commitment to cooperation, Manav Rachna University and Nayla University are poised to create a thriving environment for cross-cultural learning and academic growth.

7.2.5 Manav Rachna Peace and Sustainability Club

MRCPS also introduced the Peace and Sustainability Club as Manav Rachna University has a strong faith in youth power and their conviction in making a better world.

The University assumes a pivotal role as a catalyst and enabler in supporting the processes of Sustainable Development Goals (SDGs) to create a meaningful impact on society. Emphasizing the belief in the power of youth to shape a better world, Manav Rachna University proudly introduces the Peace and Sustainability Club. Join hands with us to collectively strive towards achieving SDGs and fostering peace by being a part of this transformative club.

The Peace and Sustainability Club serves as a dynamic platform for addressing social, economic, and environmental issues. Together, we can initiate small yet impactful changes in our surroundings and within ourselves, contributing to a more positive and sustainable world. The cultivation of a peaceful attitude fosters a harmonious working culture that encourages excellence in performance, a quality exemplified by top leaders. India, with its youth, has the opportunity to engineer peace and emerge as a global leader in this realm. Let's take the first step towards making our nation proud.

Recognizing that social impact holds greater prominence than purely economic operational performance, let's become globally aware citizens to showcase the brilliance of Manav Rachna and India on the world stage. International placements can be achieved by exemplifying the principles of "Engineering Peace" rather than just showcasing operational brilliance. Utilize this platform to enhance your career prospects.

Above all, adopting an attitude of peace empowers you to lead a meaningful life through your conduct and lifestyle, making a positive impact on those less fortunate. This commitment ensures peace through sustainability, making a lasting difference in the world.

7.2.6 The activities organized by the Centre during 2022-23 are as follows:



SDG training at schools



Waste denim to bags



Stalls for presentation of SDGs



Self defense training Kanhavanam, Hyderabad



Peace training@largestMeditationSite



Distribution of Saplings 'Treeman of India' Global Peace Leadership Conference



SexualHarassment

Railway Station Cleaning

Peace training@Gurugram



Cultural Exchange Program POCSO sessions @ schools Sustainable crafts exhibition



At Global Peace Foundation POCSO sessions at schools stalls for awareness for schools.



Celebration of Women's Day and Sustainable Development Education Monologue for Equality.



Plantation Drives in villages



Nature Walks



Books donation drive



Meditation sessions



SDG training at schools



Youth March for Environment



Peace training at Gurgoan



Yoga & fitness session



Celebrating Children's Day @ Ngo

GLOBAL PEACE LEADERSHIP CONFERENCE

The Manav Rachna Centre for Peace and Sustainability (MRCPS) has consistently demonstrated its commitment to global peace and sustainability through active participation in impactful events. Recently, MRCPS volunteered in two significant initiatives: the Sustainathon and the Global Peace Leadership Conference, both organized by the Global Peace Foundation. Manav Rachna University, serving as a co-partner in these endeavors, further exemplifies its dedication to fostering positive change on a global scale. Through their enthusiastic involvement, MRCPS not only showcased their expertise in sustainability but also contributed to the broader discourse on global peace leadership, emphasizing their role as a vital catalyst for positive transformation and a force for promoting a more peaceful and sustainable world.

The Global Peace Leadership Conference Indo-Pacific 2023 (GPLC 2023) brought more than 1000 students, ambassadors, and peacebuilders both virtually and in-person to the Le Meridien and Royal

Plaza Hotels, New Delhi, India on April 11-13, 2023. The theme for the conference was Vasudhaiva Kutumbakam: Vision for Advancing Human Consciousness and Peace.

Sustainathon 2023 held at Manav Rachna University in collaboration with GPF brought young innovative minds to bring sustainable solutions towards local problems. Few Glimpse



7.2.7 Course on Essentials of Peace and Sustainability

Course offered as an elective subject to undergraduates of Manav Rachna

Manav Rachna Centre for Peace and Sustainability, at Manav Rachna University, has developed an insightful course entitled 'Essentials of Peace and Sustainability.' This course is made available to undergraduate students as an elective subject, with the primary objective of fostering greater awareness of the ambitious Sustainable Development Goals (SDG) agenda of 2030, its various components, and imparting the knowledge and skills required for peace-building.

The course draws upon experiential and project-based learning approaches, as well as collaborative and cooperative learning strategies, to provide learners with a comprehensive and immersive educational experience. As part of the course, students select a specific SDG and propose a solution based on their acquired knowledge in their respective domains, making the learning experience both practical and impactful.

To ensure the quality and rigor of the course content, it is developed by a team of experts in the field of Peace and Sustainability. The course is delivered in a blended mode, leveraging technology and traditional methods to provide students with the flexibility and convenience of learning in a manner that best suits their needs. The course has so far successfully been completed by 450 students, making it a valuable and sought-after addition to the academic offerings of the university.

Course offered to Fakir Mohan University

The course entitled “Essentials of Peace and Sustainability” is presently being offered to Fakir Mohan State University, Balasore, and Orissa. This course is offered in a blended mode of delivery, wherein the theoretical components are imparted through our esteemed university through virtual platform Canvas, while the practical aspects are being attended to by the Department of Education in a physical mode. It is a six-month duration program, which commenced in March 2022 and culminated in August 2022, and is meticulously designed to provide a comprehensive understanding of the fundamental principles and concepts related to the critical areas of peace and sustainability.

Course offered to Designed for Open Education for Better World

The course also has been made available as an Open Educational Resource (OER) for the benefit of undergraduate students. This laudable initiative is in alignment with the OER4BW (Open Educational for Better World) program, an illustrious initiative supported by the United Nations Educational, Scientific, and Cultural Organization (UNESCO). The carefully crafted course on “Essentials of Peace and Sustainability” is designed to equip young learners with a thorough and nuanced understanding of the crucial concepts and principles that underpin the fields of peace and sustainability. By leveraging the power of cutting-edge technology and innovative pedagogical approaches, the course material is delivered in an engaging and interactive manner that inspires learners to think critically and reflect deeply on the subject matter.

7.3 Awards

Disaster Risk Reduction Award

Manav Rachna University received WCDM DRR Awards for the work carried out by the Centre for Peace and Sustainability during COVID 19 pandemic for mitigating its impact. The award was given by the Hon’ble Shri G Kishan Reddy Union Minister of Tourism, Culture and Development of North Eastern Region, Government of India and received by Prof. I K Bhat Vice Chancellor of Manav Rachna University, at a function held in India International Centre (IIC) on 22nd June 2022.

The Centre for Peace and Sustainability during the tough times of pandemic developed several structured and practice oriented extra-curricular programmes for youth to inculcate values and promote indulgence in art and culture related pursuits to develop a peaceful mind to face the disaster. Besides this the center emphasized on developing life skills among students, creating awareness and training programmes for many SDGs including environmental consciousness, culture of peace and harmony, to be peace champions to support community during pandemic and post pandemic period. It helps to develop the attitude towards sustainability amongst students through interuniversity forums and competitions to create awareness among people in societies to avoid such and similar disasters. It is expected that the center will keep serving the society and help in making the world a better place to live.



Happiness Index Award

Manav Rachna University has received the 'Institutions of Happiness' award for fostering happiness in the academic environment at the QS I-Gauge Academic Excellence Conclave held at the India Habitat Centre, New Delhi.



A total of 100 Institutions from Pan India participated in this survey and only 33 qualified for the criteria to receive the 'Institutions of Happiness' award. UK based QS, Quacquarelli Symonds' Indian subsidiary, QS I-GAUGE announced India's happiest educational institutions after a rigorous assessment exercise which began in December last year in association with industry body ASSOCHAM.



THE GREEN UNIVERSITY AWARD

Manav Rachna University has achieved a remarkable milestone by winning the prestigious International Green University Award-2023. This esteemed recognition is set to be presented at the upcoming 7th NYC Green School Conference in the vibrant city of New York.

7.4 MANAV RACHNA CENTRE FOR PEACE AND SUSTAINABILITY VERTICAL

7.4.1 PRAKARSH

SDG-4 aims to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. It supports the reduction of disparities and inequities in education, both in terms of access and quality. It recognizes the need to provide quality education for all, especially vulnerable populations, including children from weaker sections of society, those with special needs, and indigenous and refugee children. SDG-4 is critical for sustainable development, as every child receiving quality education becomes a catalyst for positive transformation, breaking the cycle of poverty. Prakarsh, aligned with SDG-4, facilitates a steady progression towards an inclusive and equitable society, offering free yet quality education to all while promoting lifelong learning opportunities.

7.4.2 PARASHAKTI

MRU perseveres in continuous engagement with the local community, particularly women, to promote female education and empowerment through awareness campaigns and community programs. The university reinforces the promotion of its female staff in the organization based on merit and performance, ensuring gender parity and equity. This approach is designed to improve the representation of women in leadership positions and senior academic roles. MRU also provides 'Day-care' facilities on campus, creating a conducive environment for female teachers to work stress-free while ensuring their children are well cared for. Notably, Parashakti actively contributes to SDG-5 (Gender Equality), reinforcing MRU's commitment to fostering an inclusive and gender-equitable environment.

7.4.3 SAHRITA

Sahrta, a pivotal initiative at MRU, aligns its objectives with the global Sustainable Development Goals (SDGs) of SDG-7 (Affordable and Clean Energy) and SDG-13 (Climate Action). This comprehensive approach emphasizes the critical need for balancing innovative clean energy solutions with effective climate action, thereby contributing significantly to environmental sustainability and fostering the overall well-being of communities. Sahrta's commitment to advancing clean energy and addressing climate challenges goes beyond mere compliance; it serves as a testament to MRU's proactive stance in

mitigating the adverse effects of energy consumption and climate change. By incorporating sustainable practices and fostering awareness, Sahrita plays a crucial role in aligning MRU with international efforts to create a more resilient and ecologically responsible future.

7.4.4 SAMRUDDH

Inspired by SDG-8 (Decent Work and Economic Growth), Samruddh focuses on promoting inclusive and sustainable economic growth, full and productive employment, and decent work for students. Going beyond the goal of eliminating child labor, Samruddh aims to equip students with competence and skills that meet industry needs, fostering a capable workforce for the future.

7.4.5 SADBHAV

Sadbhav, rooted in compassion, aligns with SDG-16 (Peace, Justice, and Strong Institutions) as well as SDG-3 (Good Health and Well-being). The Manav Rachna Centre for Peace and Sustainability (MRCPS) at MRU strives to deconstruct societal binaries and disparities through initiatives like Wall of Peace and Sanvad. By emphasizing peace, justice, and strong institutions, MRU contributes to building inclusive societies, providing access to justice for all, and working towards global stability. Simultaneously, Sadbhav addresses health and well-being concerns, fostering a culture of empathy, goodwill, and faith within the university's value systems.

7.5 PROJECTS

7.5.1 PEHEL PROJECT

Over the course of eight months, the center, with the dedicated involvement of 200 volunteers, extended a heartwarming gesture of goodwill to the community. These compassionate volunteers selflessly adopted students, offering them invaluable guidance and education entirely free of charge.

7.5.2 KUCH KEHNA HAI

The Manav Rachna Centre for Peace and Sustainability has undertaken a vital initiative aimed at educating and safeguarding school-going children between the ages of 4 to 9 years. Through this project, volunteers from the center have been visiting various schools, conducting informative sessions on the crucial topics of "good touch" and "bad touch."

7.5.3 SECOND STITCH TOWARDS SUSTAINABLE FASHION

MRCPS has launched a creative endeavor that encourages individuals to transform old denim garments into reusable items right at home. By fostering the idea of repurposing and recycling, the center aims to reduce textile waste and minimize the environmental footprint associated with the fashion industry.

7.5.4 EDUCATION FOR SUSTAINABILITY DEVELOPMENT PROGRAM: SUSTAIN ED

"SustainEd: Nurturing Tomorrow's Stewards" program is paving the way for a sustainable future by harnessing the potential of youth to become responsible global citizens. This innovative initiative trains university students to serve as ambassadors of sustainability throughout their academic journey and beyond. The program's curriculum is meticulously aligned with the Sustainable Development Goals (SDGs), ensuring that every department of the university plays a role in sustainable education. Additionally, value-added courses, such as "Essential for Sustainability," powered by OER and UNESCO, are attracting students from across India, highlighting the program's nationwide impact. Beyond the classroom, "SustainEd" organizes a series of awareness programs, including webinars, seminars, expert sessions, competitions, and international conferences, reinforcing the importance of sustainability. Level three of the program focuses on empowering enthusiastic students to connect with their communities and cultivate global sustainable citizenship, starting at the grassroots level. Through activities such as Nukkad Natak (street plays), peaceful rallies, cleanliness drives, and educational sessions, students actively engage with their localities to drive positive change.

CHAPTER 8

INTERNATIONALISATION

8.1 EVENTS AND ACTIVITIES REPORTS:

8.1.1 On January 31st, 2023, the School of Law, in partnership with the Office of International Affairs, hosted a guest lecture featuring Prof. Catherine Iorns Magallanes, a distinguished Professor of Law from Victoria University of Wellington, New Zealand. Prof. Iorns delivered a captivating talk titled "How to Argue: Exploring Legal Education at Victoria University of Wellington." Specializing in Environmental Law, Prof. Iorns initiated her presentation by highlighting parallels between environmental jurisprudence in India and New Zealand. She proceeded to elaborate on the teaching methodology employed at Victoria University, fostering an interactive discussion. Utilizing examples of landmark judgments from New Zealand courts, Prof. Iorns encouraged students to contemplate the arguments they would advance if acting as counsel in those cases. Furthermore, she generously addressed inquiries from students regarding admission procedures, qualifying examinations for legal practice, and opportunities for work visas in New Zealand.

Following the lecture, Prof. Iorns embarked on a tour of the campus, visiting notable facilities such as the CADR Hall, the Moot Court Hall, the Sports Science Centre, the Central Library, and the recently inaugurated Peace Wall.



Prof. Iorns addressing the students of Manav Rachna University in a guest lecture

8.1.2 Another proud moment was when Ms. Chaitali Wadhwa, Assistant Professor at the School of Law, MRU, was invited from the AIAC Young schools worldwide. The session focused on "Enhancing Oratory Skills for Moot Competitions." Joining Ms. Wadhwa were practicing advocates from Malaysia who also shared their insight during the event.



AIAC Moot Court in Session

8.1.3 Manav Rachna University has maintained a partnership with UAS International to coordinate Global Immersion Programs (GIPs) for students. In September 2023, UAS International organized

another GIP, this time to Dubai. A total of 8 students from Manav Rachna University and 4 from MRIIRS participated in the program, which took place from September 29th to October 4th 2023. Additionally, Ms. Srishti Bathla from the School of Management & Commerce, MRU, was graciously offered a sponsored seat by UAS International to accompany the students on this GIP.

This Dubai GIP followed two previous programs: one held in February 2023 in Singapore and another in 2022 in Dubai.

Key Benefits of the Dubai GIP included:

1. Students had the opportunity to visit three prominent industries: FLY DUBAI, DNATA, and DAMAC. During these visits, they engaged with HR, Legal, and Operational consultants, gaining valuable insights into the inner workings of these companies.
2. Beyond industry visits, students explored iconic landmarks of Dubai, such as the Burj Khalifa, Palm Jumeirah, Ferrari World, various mosques, and enjoyed activities like Desert Safari, enriching their cultural and experiential learning.



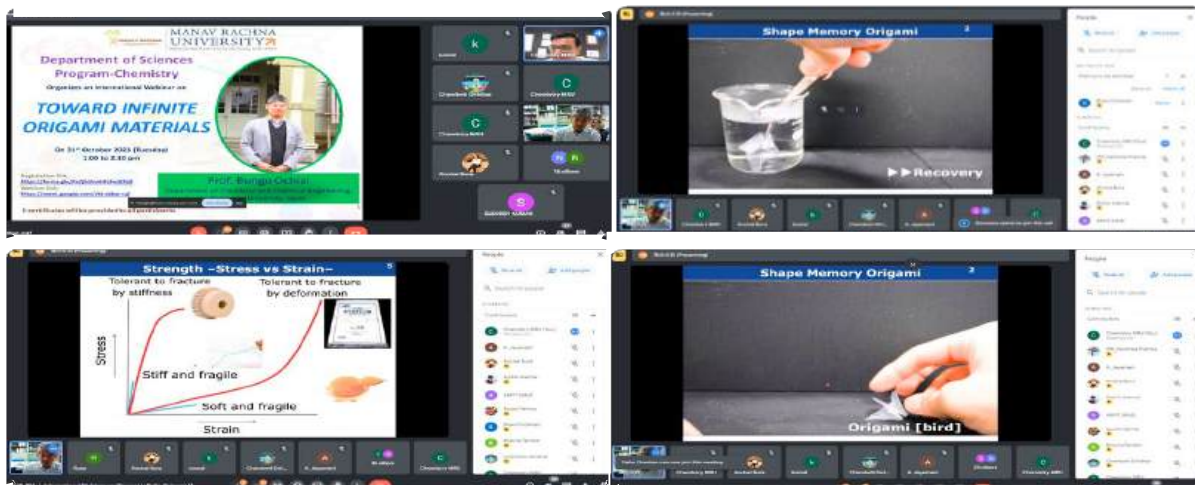
Global Immersion programme to Dubai from Manav Rachna University

8.2 INTERNATIONAL WEBINAR

Manav Rachna University can proudly boast a handful of webinars organised by various departments and schools featuring various international experts in the concerned fields.

- School of Law, hosted Dr. Nathan Cooper, Associate Professor at Te Priniga- Faculty of Law, University of Waikato, New Zealand.
- The Mathematics, School of Sciences organised an invited talk on “Understanding Higher Education Pathways” by its alumni (M.Sc. Mathematics 2018-2020 batch), Ms. Ridhima Nehra on February 6, 2023.
- The School of Sciences, Chemistry Department, organized an International Webinar on Emulsion Polymerization of Styrene by the C1EG™ Ionic Liquid on October 12, 2023, by Prof. Rene Dario Peralta Rodriguez, Senior Researcher at Centre for Research in Applied Chemistry, Saltillo, Mexico.
- The Program of Chemistry hosted an International Webinar titled "Advancing Origami Materials" on October 31, 2023. The distinguished speaker for this event was Prof. Bungo Ochiai from the Department of Chemistry and Chemical Engineering at Yamagata University, Japan. With over 25 years of expertise in polymer synthesis, Prof. Ochiai from the Department of Chemistry and Chemical Engineering at Yamagata University, Japan. With over 25 years of expertise in polymer synthesis, Prof.

Ochiai currently serves as the Vice-Dean (Education) at the faculty of Engineering, Yamagata University.



Webinar organized by Program Chemistry, Department of Science

8.3 INTERNATIONAL CONFERENCES:

The ICEMRB2023 International Conference hosted by Manav Rachna University on Energy Materials and Rechargeable Batteries, held from December 19th to 22nd, 2023, featured speakers from esteemed organizations such as IITs, NITs, and CSIR labs, who delivered plenary, keynote, and invited talks. The conference attracted attention from internationally recognized experts in the field of energy materials and batteries. Prof. MV Reddy from Canada and Prof. Villas Pol from the USA delivered plenary speeches focusing on rechargeable batteries. Additional talks were given by Prof. Sessa Srinivasan from the USA, Prof. Mmantsae Diale from South Africa, and Dr. Shailesh Upreti from the USA. Dr. Asanov Igor from Russia discussed the use of synchrotron techniques in energy materials.

The conference also welcomed emerging researchers in the field of energy materials, batteries, and associated experimental techniques from the USA, Korea, Japan, Israel, and Nepal. Participants from Nepal, China, Korea, and the UAE presented their work during the event. In total, the conference featured nearly 200 presentations, including plenary, keynote, invited, oral, and poster sessions, with attendees representing more than 10 countries.





ICEMRB2023 International Conference

8.4 INTERNATIONAL JUDGING PANE

Dr. Meena Kapahi's appointment to the esteemed International Judging Panel for the 2023 QS Reimagine Education Awards is a testament to her commitment to advancing educational practices. These awards recognize initiatives that are revolutionizing the educational landscape, and Dr. Kapahi's inclusion on the panel underscores her dedication to pushing the boundaries of learning.

The QS Reimagine Education Awards serve as a prestigious platform for honoring trailblazers in education globally, fostering a vibrant community of innovators dedicated to reshaping learning and improving future employability prospects. Dr. Kapahi's role in evaluating projects for these awards which will compete for regional, category, and overall distinctions in the 10th Edition of the QS Reimagine Education Awards and Conference, highlights her expertise and valuable contributions to this transformative field.

8.5 INTERNATIONAL COLLABORATIONS: Top of Form

Manav Rachna University can proudly say that there are number of international collaborations with international universities of countries like Turkey, USA, UK, Mexico, Finland, Romania, France, Denmark, North America, Vietnam, Indonesia, Syria, Iraq, Canada, Portugal, Australia, Belarus, Argentina, Spain, Russia to name a few. This is a very encouraging step for both the students and the faculties of Manav Rachna for the future growth and development.

8.6 list of MoU that were initiated during 2022-2023 and 2023-2024

Sl. No	Institute	Country	Signing Date
1	Abdullah Gul University	Turkey	06 Dec 2023
2	University of the West of England	UK	07 Mar 2023
3	Istanbul Gedik University	Turkey	22 May 2023
4	Egas Moniz School of Health and Sciences	Portugal	24 Jan 2023
5	Victoria University of Wellington	New Zealand	31 Jan 2023
6	Management and Science University	Malysia	10 Apr 2023
7	Cebu Normal University	Philippines	09 May 2023
8	Vilnius Gediminas Tech University	Lithuania	09 Jun 2023
9	Politehnica University Timisoara	Romania	05 Jul 2023
10	Ege University	Turkey	22 Feb 2023
11	Universidad Nacional de Hurlingham, Villa Tesei, Hurlingham	Argentina	22 May 2023
12	William Paterson University	USA	30 Nov 2023
13	Queensland University	Haiti	09 Jan 2024

CHAPTER: 9

INTERNAL QUALITY ASSURANCE CELL

Manav Rachna University has instituted an Internal Quality Assurance Cell in alignment with the guidelines of the National Assessment and Accreditation Council. This dedicated cell is committed to executing strategies that enhance both the academic and administrative facets of the institution. Its primary objectives involve coordinating activities to improve educational standards by establishing and applying robust quality benchmarks and frameworks, ensuring consistent and progressive performance across the university's academic and administrative domains. IQAC identifies and implements specific measures for enhancing quality through periodic departmental reviews. Playing a pivotal role in cultivating a culture of excellence, this Cell conducts training sessions, workshops, and expert lectures for faculty and staff, aiming to provide them with the necessary tools to promote educational quality and support services.

In Academic Session 2022-23, the following new practices were introduced addressing quality improvement.

- University's Preparation and compilation of documents in accordance with the NAAC Self Study Report (SSR) and NBA (National Board of Accreditation) requirements specifically for the Department of Computer Science & Technology (CST).
- Departmental quality assessments aligned with NAAC prerequisites & benchmarks
- Roles & responsibilities of the Departmental Academic Committee for internal quality assessments redefined
- Departmental Academic Committee tasked with evaluating departmental academic procedures

9.1 Faculty Development Program Organized

Seminars/ Workshops organized under IQAC/Departments AY 2022-23				
S. No.	FDP Title	Facilitator/ Speaker	Organization	Date/ Duration
1.	Distinguished Seminar Series on a) Computational Techniques for Gait Profiling in Children with Cerebral Palsy for Rehabilitation b) Advancement and Current Trends in Autism Spectrum Disorder using Artificial Intelligence,	Dr. Chandra Prakash, NIT, Delhi Dr. Rahul Katyar, DTU, Delhi	NIT, Delhi, DTU, Delhi	14-10-2022
2.	Xebia Orientation program 2022	Ms. Niti Kaliya,	Assistant Manager, Xebia IT Architects India Private Limited, Gurgram	20-10-2022
3.	Online STC on Insights into AI and ML For Image Processing Techniques in association with NIT Warangal (Centre of Continuing Education)	Faculty from NIT Warangal	CCE, NIT Warangal & CST, MRU	28-11-2022 to 02-12-2022
4.	STC on Research Scope in Electric Vehicles (In collaboration with ANSYS)	Dr. Shimi S.L.	Assistant Professor, Electrical Engineering Department, NITTR Chandigarh	05-12-2022 to 09-12-2022

5.	A Workshop on “Mindfulness” Psychological Well-Being	Dr. Savita Sharma	Assistant Prof. MRU	21-01-2023
6.	One-day workshop on SPSS and AMOS	Dr. Rashi Banerji Dr. Animesh Singh	Assistant. Prof, SMC, MRU Assistant. Prof, SMC, MRU	06-05-2023
7.	EBSCO Full Text Education + Teacher Reference	Mr. Ritish	EBSCO Training Manager	22-05-2023
8.	A training Session on "A New Academic Report: Reality AI-Writing tool (Chat GPT)"	Mr. Sachin Gurwe	Training and Implementation Consultant, Turnitin India Private Limited	30-05-2023
9.	Training Programme on Shodh-Chakra: Features and Resources for Researchers	Dr. Abhishek Kumar	Scientist-E (CS), INFLIBNET Centre	22-06-2023

9.1.1 Session organised in association with IQAC

- The Department of Computer Science, Manav Rachna University, organized two Seminars in Distinguished Seminar Series on “**Computational Techniques for Gate Profiling in Children with Cerebral Palsy for Rehabilitation**” & “**Advancement and Current Trends in Autism Spectrum Disorder using Artificial Intelligence**” on October 14, 2022. The sessions focused on how Artificial Intelligence is being used in medical research and was quite insightful. The purpose of these sessions was to bring together academicians, doctors, and researchers to discuss ways that they may cooperate to develop low-cost health applications.



Computational Techniques for Gate Profiling in Children with Cerebral Palsy for Rehabilitation”



Advancement and Current Trends in Autism Spectrum Disorder using Artificial Intelligence

- An Orientation Program in association with the Xebia for Batch 2022-2027, on October 20, 2022. Ms. Niti Kaliya, Assistant Manager, Xebia IT Architects India Private Limited, Gurgram, visited the campus for the orientation Program. The program commenced with an introduction to Xebia SPOC, followed by a walkthrough of the LMS, demonstrating how to access Xebia's content. Emphasis was placed on the scope of student engagements with Xebia.



Xebia Orientation Program

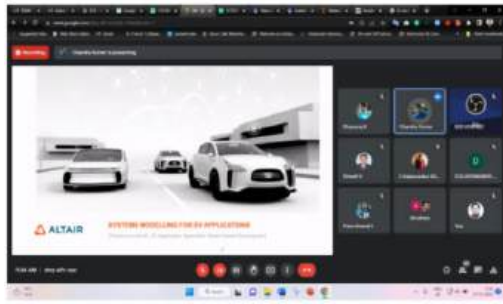
- An online short-term course programme was organized in collaboration with the Center for Continuing Education, NIT- Warangal titled “Insights into AI and ML for Image Processing Techniques” in association with Manav Rachna University from November 28, 2022, to December 02, 2022.

Co-coordinator certificate



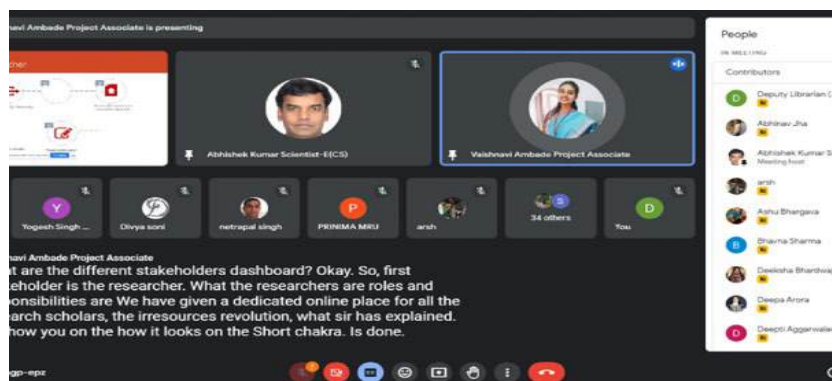
Online STC on Insights into AI and ML for Image Processing Techniques in association with NIT Warangal

- The Department of Electronics & Communication Engineering at Manav Rachna University conducted a 5-day short-term course on "Research Scope in Electric Vehicles (In collaboration with ANSYS)," in partnership with NITTTR Chandigarh. The course was designed to enhance the overall academic development of the teaching fraternity.



STC on Research Scope in Electric Vehicles

- Swami Vivekananda Library and Research Center organized a Workshop on ‘Mindfulness: Psychological Well-Being’ on January 21, 2023. The session imparted the practical orientation of various Mindfulness-based strategies to enable the participants to enhance their Psychological well-being. The synergistic engagement of mind and body to achieve the goals, enhancing psychological well-being were shared and various exercises for the same were taught.
- School of Management and Commerce, Manav Rachna University organized One-Day Workshop on SPSS and AMOS on May 06, 2023. The workshop aimed to empower scholars to address technical challenges associated with planning, collecting, analyzing, and interpreting information. Its guided scholars, particularly in navigating challenges encountered during data analysis in their Ph.D. The workshop was structured with easily comprehensible hands-on sessions that involved the analysis of data files.
- IQAC and Swami Vivekananda Library & Resource Centre, Manav Rachna University in Collaboration with EBSCO Information Services organized a Training Session on “Empowering Access and Utilization of EBSCO E-Books: Training Session for Enhanced User Experience” on Monday, May 22, 2023. The attendees were guided to gain insights into the vast array of academic e-books available on the EBSCO platform and mobile app.
- Ph.D. Program office and Swami Vivekananda Library and Resource Centre organized " A New Academic Report: Reality AI-Writing tool (Chat GPT) " for Users for Faculty Member, Research, Scholar and Library Staff on Tuesday, May 30, 2023. The session covered operations of writing detecting technology. The acceptability (percentage of AI writing) of AI writing in an original piece of work was explored, as well as how to recognize if anything was written through Chat GPT or any other AI writing tool.



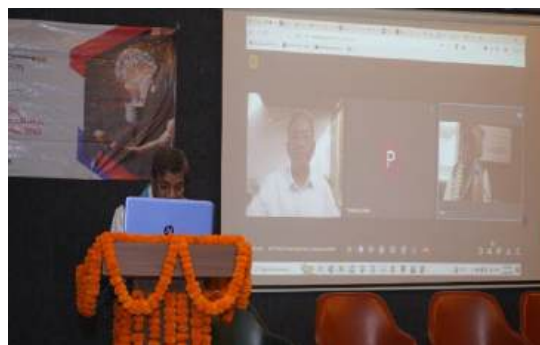
- Training programme was organized by Swami Vivekananda Library & Resource Centre, Internal Quality Assurance Cell (IQAC) and Ph.D. Programme Office on “Shodh-Chakra: Features and Resources for Researchers” on Thursday, June 22, 2023. The concept and features of Shodh-Chakra as a digital workspace and how it can be effectively utilized to enhance research productivity with an aim to provide universities, supervisors, and research scholars with resources for gathering, organizing, storing, and citing research material was highlighted.

9.2 Conference organized

Conference organized under IQAC/Departments AY 2022-23			
S. No.	Conference Title	Organization	Date/Duration
1.	International conference on Futuristic materials ICFM-2022	Physics, MRU	08-12-2022 to 09-12-2022
2.	Business Innovation, Transformation, Sustainability: Changing Global Paradigm'2023 (BITS-2023)	SMC, MRU	28-04-2023 to 29-04-2023
3.	National Conference on Juvenile Delinquency-psychological and socio-legal perspectives	LAW, MRU	28-04-2023



- Department of Physics, School of Sciences, Manav Rachna University hosted an international conference on Futuristic Materials-2022, on December 8-9, 2022. ICFM-2022 aimed to provide a platform for sharing insight into cutting-edge research in the domain of futuristic materials to fulfill the sustainable development goals (SDGs). The conference felicitated discussions on recent innovations, trends, concerns, challenges, and their possible solutions about the futuristic materials and their applications for the common good of humankind at the global level.



- The

School of Management and Commerce at Manav Rachna University hosted the BITS 2023 conference, focusing on "Business Innovation Transformation, and Sustainability: Shifting Global Perspectives." The conference extensively discussed the evolving global outlook of businesses, acknowledging the growing significance of sustainability, social responsibility, and their societal impact. This transformation is propelled by changing consumer sentiments, an increasing emphasis on sustainability, and a heightened awareness of the corporate role in society. As this paradigm shift continues to unfold, the perspectives shared by scholars and industry experts during the conference were poised to significantly influence how businesses function and contribute to shaping our world. The event served as a platform for stakeholders from diverse sectors and regions to exchange experiences, insights, and best practices, and foster networking opportunities, offering a comprehensive overview of the latest trends and advancements in the business landscape.



- School of Law, Manav Rachna University organized the National Conference on Juvenile Delinquency: Psychological and Socio-Legal Perspectives on April 28, 2023. The importance of education in ensuring that the children grow up to be responsible and respectable citizens of the country instead of learning to violate the laws was highlighted. The duty of the State to keep the objective of providing children with an educated, safe, and child-friendly world was emphasized.

9.3 SWAYAM -NPTEL REPORT

NPTEL Report 2022-2023

Manav Rachna University SWAYAM-NPTEL Local Chapter got "Active Status" **2nd Rank in Haryana with 12(CSE) National Toppers, 5(CSE) Gold, 33(CSE) Silver, 78(CSE) Elite and 167(97CSE, 4ECE, 9Maths and 57Education)** successfully completed certificates (Total 295 certificates). The MOOC enrollment and certification details are as under:

Total Enrollments	421
Total Exam registrations	362
Total number of students appeared or Credit Transfer	358
Faculty certified for NPTEL-FDP courses	1

The department-wise distribution of students appearing for credit transfer is shown below:

Dept.	CST	EDU	ECE	MATHS
Students for credit transfer	278	67	4	9

A large number of students and faculty members have achieved National Topper Positions, Elite-Gold, Elite, and completed certificates. The certificate category details are as follows:

Certificate Category	No. of Students	No. of Faculty
National Topper	12	-
Elite	78	1
Elite+Gold	5	-
Elite+Silver	33	-
Successfully Completed	167	-
Total	295	1

National Toppers

Table 1: National Toppers- Faculty

S no	Name	Course Name	Department	Topper
1	Joginder Singh	Product Design and Development-Online	Mechanical	Topper of 1% in this course

Table 2: National Toppers- Students

Sno	Name	Course Name	Department	Topper
1	Aritra Chatterjee	Water Society And Sustainability	Computer_Science_and_Engineering	Topper of this course
2	Gunjeet Kumar Singh	Water Society And Sustainability	Computer_Science_and_Engineering	Topper of this course
3	Hitesh Mittal	Design Thinking - A Primer	Computer_Science_and_Engineering	Topper of 5% in this course
4	Nvya Dhariwal	Ethics In Engineering Practice	Computer_Science_and_Engineering	Topper of 5% in this course
5	Ria Singhla	The Joy of Computing using Python	Computer_Science_and_Engineering	Topper of 5% in this course
6	Chaitanya Virmani	The Joy of Computing using Python	Computer_Science_and_Engineering	Topper of 5% in this course
7	Akash Manocha	The Joy of Computing using Python	Computer_Science_and_Engineering	Topper of 5% in this course

8	Shrey Futela	Corporate Finance	Computer_Science_and_Engineering	Topper of 5% in this course
9	Aritra Chatterjee	Patent Drafting for Beginners	Computer_Science_and_Engineering	Topper of 1% in this course
10	Gorakh Nath Sharma	The Joy of Computing using Python	Computer_Science_and_Engineering	Topper of 5% in this course
11	Prince Pandey	Introduction To Internet Of Things	Computer_Science_and_Engineering	Topper of 5% in this course
12	Disha Panigrahy	Design, Technology and Innovation	Computer_Science_and_Engineering	Topper of 5% in this course

The Certificates for the same are as shown:



The department-wise distribution of students appearing for credit transfer is shown below:

Academic Year 2022-23					
Department	CST	EDU	ECE	Maths	Total
1. No of Courses Offered to Students Through Swayam	32	3	3	1	39
2. No of Students Registered in Swayam Courses	281	67	5	9	362
3. No of Students Appeared in Examination for Swayam Courses	278	67	5	9	359
4. No of Students Passed in Swayam Courses	225	57	4	9	295
3. No of Students Benefited with Swayam Credit 4. Transfer	225	57	4	9	295

9.4 VIRTUAL LABS

In continuation with the series of Virtual Labs Workshops, MRU organized another workshop on “Virtual Labs” in association with IIT Delhi on **26th October 2023**, for faculty members and students from respective disciplines of Engineering (CSE, ECE, and ME) and Sciences (Maths, Physics, Chemistry) by Virtual Labs team, IIT Delhi. The resource persons for this training program were Mr. Gautam Sharma, Mr. Chandan Kumar, and Mr. Sameer Hasan. Total 279 students and 12 faculty members attended the workshop. The objective of the workshop was to introduce practical skills and impart practical knowledge to students through virtual labs. The session commenced in the presence of Prof. (Dr.) Goldie Gabrani, Dean of Engineering, Prof. (Dr.) Manpreet Kaur, Head, CST, Ms. Chandni Maggoo, Associate Head, CST, Dr. Mamta Arora, Nodal Coordinator, Student Coordinators, Participants, and faculty members. The training session started with a small introduction to Virtual labs followed by some experimental demonstrations for each discipline including Chemistry, Physics, Electronics, and Computer Science. The students were also explained how to create experiments on their own and upload it to virtual labs. Finally, the workshop training session concluded with a vote of thanks by Dr. Mamta Arora, Nodal Coordinator, MRU.

Time	Discipline	Labs/Experiments Demonstrated	No. of Students	No. of Faculty Members
10:00 A.M. - 11:30 A.M.	CSE/IT	<ul style="list-style-type: none"> • Problem Solving Lab • Data Structures Lab • Python Programming Lab 	279	12
	Applied Sciences	<ul style="list-style-type: none"> • Inorganic Chemistry Virtual Lab • Mechanics Virtual Lab 		

9.5 IQAC Activities

In the academic session 2022-23, the University was actively engaged in compiling data for the submission of the NAAC Self Study Report (SSR). The IQAC directed its efforts toward equipping faculty and staff members with essential knowledge and skills through various means such as workshops,

training sessions, webinars, meetings, and discussions, all aimed at fostering a deeper understanding of the NAAC process, its requirements, and the anticipated outcomes.

The central NAAC coordinators conducted a thorough, criteria-wise review, analysis, and improvement process in accordance with NAAC specifications. The entire university exhibited enthusiasm and dedication to completing the task diligently within the stipulated timeline. The Institutional Information for Quality Assessment (IIQA) was submitted on 20th January 2023, followed by the successful submission of the NAAC SSR on 5th April.

Simultaneously, the Department of Computer Science & Technology initiated the process of applying for accreditation from the National Board of Accreditation (NBA). The department concurrently established and organized itself to meet the requirements of the NBA accreditation process. The pre-qualifier submission was completed on January 19, 2023. SAR was submitted on March 30, 2023.

S. No.	Activity Name	Outcome	Month	Resource Person (if applicable)
1	Academic review	Ensuring Academic Integrity	August second week to September third week	IQAC team
2	NAAC SSR reviews	Quality Improvement	July 2022 to March 2023	IQAC and NAAC team
3	NBA SAR reviews	Quality Improvement	July 2022 to June 2023	NBA team

9.6 Internal Academic Audit

The university employs the Internal Quality Assurance Cell (IQAC) to conduct routine assessments of academic procedures. This involves an internal audit system aligned with NAAC-defined standards. The assessment encompasses various facets such as course planning, evaluation methods, student support, curriculum design, and institutional values. These are categorized and reviewed periodically as follows:

A). Course Plan Review (IQAC): This occurs once per semester, undertaken by IQAC teams or departmental review committees. It involves scrutinizing:

- Clear articulation of course outcomes to address program objectives.
- Detailed course plans, mapping laboratory and tutorial objectives in line with stated outcomes and Bloom's Taxonomy levels.
- A robust course assessment plan to achieve the intended outcomes.
- Incorporation of teaching methodologies like active learning, collaborative learning, and problem-based approaches in delivery.
- Matrix illustrating Course Outcomes (CO) and Program Outcomes (PO).

B). Internal Academic Review (IQAC): Conducted twice per semester by IQAC audit teams, following this process:

- Departments submit quarterly reports aligned with NAAC's quality assurance criteria.
- IQAC analyzes these reports, providing feedback to respective departments.
- Half-yearly and annual audits are conducted for all seven criteria, and departments are required to present supporting documents.
- Departments propose action plans based on audit feedback.

- Review of randomly selected subjects' course files, covering course plans, tutorials, assignments, evaluations, pedagogy, and other parameters.

C). Student Feedback (Feedback Committee): Conducted twice per semester, consisting of formative and summative feedback for each course:

- Feedback formats ensure coverage of syllabus, course material delivery, teaching planning, and innovative methodologies.
- Formative feedback collected from all students a few weeks into classes, shared with respective faculty.
- Summative feedback gathered towards the semester's end from students meeting minimum attendance, assessing course outcomes and objectives.
- Student satisfaction surveys on generic facilities and curriculum.

D). Attendance Review (Attendance Review Committee): Conducted thrice per semester, involving:

- Faculty updating daily attendance on ERP for individual courses.
- Monitoring daily student attendance.
- Checking cumulative attendance thrice a semester before sessional and final exams.
- Notifying parents via telephone about students failing to meet minimum attendance criteria.

9.7 FDPs Attended

List of Teachers who attended FDPs (Professional Development Programmes, Orientation/ Induction Programmes, Refresher Courses, Short Term Courses etc.) during the Academic Year 2022-23.

S No	Faculty Name	Program Title	Duration	Department
1	Aditya Sharma	Transforming Higher Education for the new globalized world: International perspective	27-06-2022 to 02-07-2022	Sciences
2	Adnan Irshad	"We Lead" organized by the Centre for Learning and Development under the aegis of Lloyd Law College and Lloyd School of Law	16-01-2023 to 21-01-2023	Law
3	Akhilesh Kr Dwivedi	AICTE course on "Introductory UHV FDP"	02-01-2023 to 06-01-2023	Education
4	Alpana	Introduction to Web Development with HTML, CSS, JavaScript, Coursera	4 WEEK, MAY 2023	CST
5	Ananna Bardan	Transforming Higher Education for the new globalized world: International perspective	27-06-2022 to 02-07-2022	Sciences
6	Ankita Gaur	3rd National Level Workshop-Transformation through NAAC Accreditation Process	30-10-2023 to 31-10-2023	Sciences
7	Anshuman Shahi	AICTE Recognized Faculty Development Programme	10-10-2022 to 14-10-2022	Sciences
8	Anupriya Sharma	Online Short-term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
		FDP on Train the Trainers for Cloud Security and Artificial Intelligence	22-05-2023 to 26-05-2023	

9	Anup Singh	Online FDP Higher Education 2022	11-07-2022 to 15-07-2022	CST
		Online FDP AI and ML	18-07-2022 to 22-07-2022	
		online FDP on research in engineering	04-07-2022 to 08-07-2022	
10	Aparna Vyas	FDP on Transforming Higher Education for the New Globalized World: International Perspective	27-06-2022 to 02-07-2022	Sciences
11	Arushi MMehta	FDP on Teaching Pedagogy and Research Skills organized by Sushant University, Gurugram	09-01-2023 to 13-01-2023	Law
12	Arvinder Kaur	Short-term course on 'Indian Traditional Knowledge (ITK) in University Curriculum: A Pathway for Sustainable Transitions' organized by School of Education and Humanities, Manav Rachna University	19-12-2022 to 24-12-2022	Education
		FDP entitled " Pedagogical Technique for Quality Higher Education Organised by K.R Mangalam University in collaboration with Shobhit University.	02-12-2022 to 07-12-2022	
		Attended FDP on E content creation, organized by Gurushala and K R Mangalam University, Gurugram	02-12-2022 to 07-12-2022	
		Faculty Development Programme on the theme "Indian Knowledge System"	02-01-2023 to 08--01-2023	
		Completed one-week short term course on 'Inclusive Education'	02-01-2023 to 06-01-2023	
13	Asmita Patel	One Week FDP on Emerging Challenges of Criminal Justice System: Way Forward	24-02-2023 to 02-03-2023	Law
		International Workshop on Law, Development, and Sustainability	22-08-2022 to 03-09-2022	
		One Week Faculty Development Programme on 'Outcome-oriented Teaching-Learning Practices & Research - A Multi-dimensional Approach'	11-07-2022 to 16-07-2022	
14	Bhanu Partap	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ECE
15	Bhawna Singla	FDP on Recent Trends in Artificial Intelligence& Cyber Security	01-11-2022 to 05-11-2022	Sciences
16	Bushra Sumaiya	Completed one week short-term course on 'Inclusive Education'	02-01-2023 to 06-01-2023	Education
		One week online workshop on 'MOOCs Development & Delivery' by UGC HRD center Jamia Milia Islamia, New Delhi	03-03-2023 to 11-03-2023	

17	Chaitali Wadhwa	One week FDP on "Law & Social Sciences"	12-09-2022 17-09-2022	to	Law
18	Chandni Magoo	Online Short term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 02-12-2022	to	CST
19	Charu Pathak	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 09-12-2022	to	ECE
20	Deepa Arora	FDP on Transforming Higher Education for the New Globalized World: International Perspective	27-06-2022 02-07-2022	to	Sciences
21	Deepti	Challenges and Opportunities in VLSI Design (STC)	25-07-2022 29-07-2022	to	Sciences
		Nanoelectronics devices and circuit design (STC)	22-08-2022 28-08-2022	to	
22	Deepti Thakral	Online Short term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 02-12-2022	to	CST
		Faculty Development Training on Agile Software Development	02-01-2023 06-01-2023	to	
23	Dimple Chehal	Online Short term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 02-12-2022	to	CST
24	Dinesh Kr Sharma	AICTE Recognized Faculty Development Programme	10-10-2022 14-10-2022	to	Sciences
25	Ekta Rawat	Mentor Development program of Bharatiya Yuva Shakti Trust (BYST)			Sciences
26	Eram Aziz	Short-term course on ' Indian Traditional Knowledge (ITK) in University Curriculum: A Pathway for Sustainable Transitions' organized by School of Education and Humanities, Manav Rachna University	19-12-2022 24-12-2022	to	Education
		Faculty Development Programme on the theme "Indian Knowledge System"	03-01-2023 08-01-2023	to	
27	Gianender Kajal	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 09-12-2022	to	ME
28	Gurbir Singh Khara	Executive Program in Management Cornwell University	01-02-2023 01-08-2023	to	Management & Commerce

		undergoing a programme om AIMLBE-Batch03, Senior Level 10 months Programme at IIMK, eMDP 10 -Self-funded, leading to alumni status.	01-04-2023 to 01-03-2023	
29	Harsh Bhasin	Online Short-term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
30	Jaya Tuteja	One week FDP on "Chemistry and Biology Interface for Scientific Transformations"	27-06-2022 to 02-07-2022	Sciences
31	Joginder Singh	How to Make the Teaching-Learning Process Effective	25-06-2018 to 29-06-2018	ME
32	Kaveri Sharma	FDP on FOURTH GENERATION OF HUMAN RIGHTS, organized by the School of Law, K R Mangalam University	23-01-2023 to 29-01-2023	Law
		FDP ON Innovative Practices in Higher Education and Research organized by UGC HRDC and AMU Mallapuram	02-01-2023 to 07-01-2023	
33	K. Deepa	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ECE
34	Khusboo Gulati	Workshop on Mixed methods and Research Ethics at Research Solutions group	09-01-2023 to 14-01-2023	SMC
35	Kriti Dagar	Short-term course on 'Indian Traditional Knowledge (ITK) in University Curriculum: A Pathway for Sustainable Transitions' organized by School of Education and Humanities, Manav Rachna University	19-12-2022 to 24-12-2022	Education
		Participated in the Online capacity-building program on Quantitative Data Management and Analytical Writing in Labour Research	09-01-2023 to 13-01-2023	
36	Mamta Arora	Faculty Development Program on IOT & one	27-02-2023 to 04-03-2023	CST
37	Manoj Kumar	Online Short-term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
38	Manpreet Kaur	Online Short term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST

39	Meenakshi Gupta	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ECE
40	Moditma	FDP on Matlab & Simulink	03-07-2023 to 07-07-2023	Sciences
41	Nazish Ahmed Shai	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ME
42	Nibedita Hazarika	capacity building programme on Quantitative Data Management and Analytical Writing in Labour Research	09-02-2023 to 13-02-2023	Education
		Short-term course on 'Social Protection and Livelihood Security'	14-03-2023 to 15-03-2023	
		Participated in the Online capacity-building programme on Quantitative Data Management and Analytical Writing in Labour Research	09-01-2023 to 13-01-2023	
		Short term course on ' Indian Traditional Knowledge (ITK) in University Curriculum: A Pathway for Sustainable Transitions' organized by School of Education and Humanities, Manav Rachna University	19-12-2022 to 24-12-2022	
43	Niharika Thakur	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ECE
44	Piyush Charan	FDP on "Decoding Tax on Salary under NEW TAX REGIME"	05-05-2023 to 05-05-2023	ECE
		STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	
45	Prinima Gupta	Online Short-term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
46	Priti Gupta	FDP on Transforming Higher Education for the New Globalised World: International Perspective	27-06-2022 to 02-07-2022	Sciences
		Mentor Development program of Bharatiya Yuva Shakti Trust (BYST)		
47	R. GIRIJA	Insights into AI and ML for Image Processing Techniques	26-11-2022 to 30-11-2022	CST
48	Ramapati Maurya	FDP on Innovative Technologies for Village Development	30-01-2023 to 03-02-2023	Sciences

49	Ram Chatterjee	FDP on Transforming Higher Education for the New Globalised World: International Perspective	27-06-2022 to 02-07-2022	CST
		Online MOOC course on Machine Learning with Imbalanced Data	04-07-2022 to 16-07-2022	
		Online MOOC course on KNIME - A crash course for Beginners	13-08-2022 to 19-08-2022	
		Online Webinar: Everything you wanted to know about Data Science	24-8-2022 to 24-08-2022	
		Online MOOC course on Data Science & Data Preparation with KNIME	05-09-2022 to 12-09-2022	
		Online Webinar: Ace Statistical Thinking for Research	07-09-2022 to 07-09-2022	
50	Ranjna Jain	Online Short term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
51	Ritu Sharma	Short term course on 'Indian Traditional Knowledge (ITK) in University Curriculum: A Pathway for Sustainable Transitions' organized by School of Education and Humanities, Manav Rachna University	19-12-2022 to 24-12-2022	Education
		Successfully completed applied coursework and instruction to serve as a Training Facilitator, issued by Life University,	13/12/2022	
		Faculty Development Programme on "Holistic Pedagogy"	09-01-2023 to 15-01-2023	
52	Ruchi Gupta	FDP on Earthquake Risk Management	10-10-22 to 14-10-2022	Sciences
		One-week online workshop on Mathematical Modeling with simulation in Applied Sciences	22-05-2023 to 26-05-2023	
		FDP on Innovative Technologies for Village Development	30-01-2023 to 03-02-2023	
53	Sachin Lakra	Online Short term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
54	Sampriti Phukan	One week FDP on National Education Policy-2020 organized by the University of Delhi in collaboration with the Ministry of Education, Government of India	18-06-2022 to 24-06-2022	Law

55	Savita Sharma	Completed a one-week short-term course on 'Inclusive Education'	02-01-2023 to 06-01-2023	Education
		'Digital Pedagogy: Transforming Teaching and Learning'	01-05-2023 to 7-05-2023	
		Achieving Excellence in Analysis, Organized by SNDT Women University Mumbai	25-05-2023 to 27-05-2023	
56	Seema Aggarwal	FDP on Innovative Technologies for Village Development	30-01-2023 to 03-02-2023	Sciences
57	Shaharyar Asaf Khan	FDP on FOURTH GENERATION OF HUMAN RIGHTS, organized by the School of Law, K R Mangalam University	23-01-2023 to 29-01-2023	Law
		FDP on Innovative Practices in Higher Education and Research organized by UGC HRDC and AMU Mallapuram	02-01-2023 to 07-01-2023	
58	Shalu	Online Short-term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
59	Sharv Anand Datt	Short-term course on 'Indian Traditional Knowledge (ITK) in University Curriculum: A Pathway for Sustainable Transitions' organized by School of Education and Humanities, Manav Rachna University	19-12-2022 to 24-12-2022	Education
60	Shilpa Sharma	Mentor Development program of Bharatiya Yuva Shakti Trust (BYST)		Sciences
61	Shiv Kr Dixit	AICTE Recognized Faculty Development Programme	25-07-2022 to 29-07-2022	Sciences
		Transforming Higher Education for the new globalized world: International perspective	27-06-2022 to 02-07-2022	Sciences
62	Shruti Vashist	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ECE
63	Shubhank Sanjeev	FDP on Innovative Practices in Higher Education and Research organized by UGC HRDC and AMU Mallapuram	02-01-2023 to 07-01-2023	Law
64	Shweta Tewari	Faculty Development Programme on the theme "Indian Knowledge System"	03-01-2023 to 08-01-2023	Education

		Short term course on 'Indian Traditional Knowledge (ITK) in University Curriculum: A Pathway for Sustainable Transitions' organized by School of Education and Humanities, Manav Rachna University	19-12-2022 to 24-12-2022	
65	SK Bose	FDP on Law & Economics organised by Rajiv Ganadhi national Law University, Punjab	10-03-2023 to 16-03-2023	Law
		FDP on Legal Research & Pedagogy- Five days organised by Techno India University, Kolkata	23-08-2022 to 27-08-2022	
		UGC- sponsored FDP on Multi Faceted Justice: Law and Beyond organised HRDC, Punjab University, Punjab	18-08-2022 to 24-08-2022	
66	Susmita Ray	Online Short term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
67	Urmila	Online Short term course on "Insights into AI and ML for Image Processing Techniques"	28-11-2022 to 02-12-2022	CST
68	Vijay Gill	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ECE
69	Vijender pal Singh	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ECE
70	Vineet Dubey	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ME
71	Y K Sharma	5-Day International workshop, Applicable Mathematics for Science and Engineering - Recent Advances (AE - 2023)	16-02-2023 to 20-02-2023	Sciences
72	Yogita Khanna	STC on "Research Scope in Electric Vehicles (In collaboration with ANSYS)"	05-12-2022 to 09-12-2022	ECE
73	Yojna Arora	Online FDP on Entrepreneurship Development	19-06-2023 to 02-07-2023	CST
		FDP on Teamwork & Collaboration	20/05/2023	
		Online Workshop on Adobe Creativity Skill	09/06/2023	

CHAPTER: 10

MANAV RACHNA CREATING BUZZ....

HindustanVision
Monday, 23 May, 2022
Padma Vibhushan Dr. Karan Singh chaired the third Advisory Board Meeting of Manav Rachna Centre for Peace and Sustainability



FARIDABAD NEWS 23 MAY 2022 :
The third Advisory Board Meeting (ABM 22) of Manav Rachna Centre for Peace and Sustainability (MRCPS) was conducted recently at the India International Center, New Delhi. The ABM 22 was presided over by its

Smriti Zubin Irani felicitates MRU and MRIIRS with 'Institution of Happiness' award at QS I-Gauge Academic Excellence Conclave

Union Minister for Women and Child Development, Smriti Zubin Irani presided over the event and awarded the certificate



NEW DELHI: Manav Rachna University and Manav Rachna International Institute of Research and Studies have received the 'Institution of Happiness' award for fostering happiness in the socio-economic environment at the QS I-Gauge Academic Excellence Conclave held at the India International Centre, New Delhi. A total of 100 institutions from over 100 countries participated in this survey and only 33 qualified for the criteria to receive the 'Institution of Happiness' award. UK based QS, Quantipanel, Synovate, Indian subsidiary, QS I-GAUGE an international leading applied educational institution after a rigorous assessment exercise which began in December last year in association with industry body ASSO-CLAIM, Union Minister for Women and Child Development, Smriti Zubin Irani presided over the event and awarded the certificate.

QS I-Gauge Academic Excellence Conclave awarding the 'Institution of Happiness' award to Manav Rachna University.

At the event, Union Minister for Women and Child Development, Smriti Zubin Irani presided over the event and awarded the certificate for QS I-Gauge Academic Excellence Conclave awarding the 'Institution of Happiness' award to Manav Rachna University.

पद्म विभूषण डॉ. कर्ण सिंह ने एमआरसीपीएस की तीसरी एडवाइजरी बोर्ड मीटिंग की अध्यक्षता व



पद्म विभूषण डॉ. कर्ण सिंह ने एमआरसीपीएस की तीसरी एडवाइजरी बोर्ड मीटिंग की अध्यक्षता व... The meeting was held at the India International Center, New Delhi, and was presided over by Dr. Karan Singh.

Jitender Yadav, DC Faridabad launches ANG Plantation Campaign on Earth Day 2022 at Manav Rachna University in the presence of Tree Man of India

Hirender Kumar info@impressivetimes.com

DELHI-NCR: 'Invest in Our Planet' is the theme of Earth Day 2022 encouraging everyone to shift towards sustainable practices. Earth Day is a reminder to everyone that "the healthier our ecosystems are, the healthier the planet- and its people". With this vision in mind, ANG (Adopt, Nurture, Grow) Plantation Campaign has been launched at the Manav Rachna University, inaugurated by Sh. Jitender Yadav, IAS, Deputy Commissioner, Faridabad in the presence of Prof. (Dr.) I K Bhat, Vice Chancellor, Manav Rachna University (MRU). More than 500 'Green Warriors' of Manav Rachna Centre for Peace and Sustainability, MRU pledged to spread the awareness about this cam-



... campaign and take necessary measures to protect the environment. Sh. Jitender Yadav planted a sapling and expressed his desire to monitor the progress of the plant by personally visiting the campus at intervals. He said, "There is no Planet B and we need to take care of Mother Earth by planting saplings and taking care of them, besides protecting our trees". On this occasion, Mr. Deepak Gaur, Tree Man of India also visited the campus and

have been undertaken: Installation of Solar Photovoltaic Systems in the campus for generation of renewable energy; Commissioning Rain water harvesting systems at four locations in the University campus to collect rain water for storage in tanks and further use; Setting up Sewage Treatment Plant of capacity 200 KLD at the university campus for recycling of sewage water to be used for watering the plants in gardens and lawns of the campus and flushing the toilets in the campus. In the endeavor to 'Go Green', Manav Rachna seeks to empower the youth to be at the forefront of this mission. Army of Green warriors is being raised in Manav Rachna who would be spearheading this movement to spread the message of saving the environment and attaining carbon neutrality to the masses.



फरीदाबाद • हरियाणा

जितेंद्र यादव, डीसी फरीदाबाद ने भारत के टी मैन की उपस्थिति में मानव रचना यूनिवर्सिटी में पृथ्वी दिवस 2022 पर एएनजी वृक्षारोपण अभियान शुरू किया

written by Mahesh Gotwal
April 23, 2022

फरीदाबाद, शनिवार, 23 अप्रैल, 2022: 'इन्वेस्ट इन आवर अर्थ' पृथ्वी दिवस 2022 का विषय है जो सभी को सस्टेनेबल प्रथाओं की ओर बढ़ने के लिए प्रोत्साहित करता है। पृथ्वी दिवस सभी के लिए एक अनुरोध है कि 'हमारा इकोसिस्टम चित्तना स्वस्थ होगा, हमारा ग्रह और उसके लोग उतने ही स्वस्थ होंगे'। इसी को ध्यान में रखते हुए मानव रचना यूनिवर्सिटी में एएनजी (असोएट, नर्स, प्रो) वृक्षारोपण अभियान शुरू किया गया है, जिसका उद्घाटन श्री जितेंद्र यादव, आईएएस, उपायुक्त, फरीदाबाद, द्वारा प्रो. (डॉ.) आई के भट्ट, कुलपति, मानव रचना यूनिवर्सिटी (एमआरयू) की उपस्थिति में किया गया। मानव रचना सेंटर फॉर पीस एंड सस्टेनेबिलिटी, एमआरयू के 500 स

Manav Rachna Hosted the 3rd Edition of the HR Round Table, 15+ Erudite Professionals Shared Discerning Perspectives

NewsVoiz | Faridabad (Haryana) [India], February 20: The School of Leadership and Management (SLM) at Manav Rachna International Institute of ...



NewsVoiz | Faridabad (Haryana) [India], February 20: The School of Leadership and Management (SLM) at Manav Rachna International Institute of Research and Studies organized the third edition of the HR Round Table today, delving into the theme "Future Ready: Decoding the Way Forward." This intellectual symposium was organized under the mentorship of the esteemed Strategic Mentoring Board (SMB) at Manav Rachna, chaired by Dr. S Y Siddiqui, Former Executive Advisor of Maruti Suzuki India Ltd. and led by Rajeev Dubey, the Mentor of the HR Round Table, Chairman of Mahindra First Choice Wheels Ltd. and a distinguished Member of the Governing Body at the International Labour Organization in Geneva.

मानव रचना संस्थान में विजेताओं को सम्मान



कॉपीराइट: 20 विकसक (2022)
मानव रचना इंटरनेशनल इंस्टीट्यूट ऑफ लीडरशिप एंड मैनेजमेंट (मनवरचनाइंटरनेशनल) ने मार्च 2022 में 200 से अधिक छात्रों को सम्मानित किया। विजेताओं को प्रोत्साहित करने के लिए, मानव रचना संस्थान में एक प्रतियोगिता आयोजित की गई थी, जिसमें विजेताओं को प्रोत्साहित करने के लिए पुरस्कार प्रदान किए गए थे। प्रतियोगिता में भाग लेने वाले छात्रों में से कुछ छात्रों को प्रोत्साहित करने के लिए पुरस्कार प्रदान किए गए थे। प्रतियोगिता में भाग लेने वाले छात्रों में से कुछ छात्रों को प्रोत्साहित करने के लिए पुरस्कार प्रदान किए गए थे। प्रतियोगिता में भाग लेने वाले छात्रों में से कुछ छात्रों को प्रोत्साहित करने के लिए पुरस्कार प्रदान किए गए थे।

31 टीमों में 200 से ज्यादा प्रतिभागी हुए शामिल
प्रतियोगिता की ओर में देशभर के 47 विद्यालयों के 200 से अधिक छात्रों और 31 टीमों में प्रतिभागियों के बीच प्रतियोगिता का आयोजन किया गया था, जिसके लिए हरियाणा में मानव रचना को हार्डवेयर कंपनी के सहित करीब 200 से अधिक छात्रों ने भाग लिया है। कार्यक्रम में विजेताओं को प्रोत्साहित करने के लिए पुरस्कार प्रदान किए गए थे।

Manav Rachna: Inculcating Globality with a Difference

The global academic landscape has widened its horizons providing international perspective to students across borders. The universities now-a-days emphasize a classroom with diversity allowing students to welcome and respect each other's perspectives and cultural backgrounds. With a vision to change minds, shape ideas and ensure multidisciplinary learning, the ideals of diversity are defined with a unique purpose of bringing minds and personalities together under one roof.

June 09, 2023 12:01 pm | Updated 12:01 pm IST

COMMENTS SHARE READ LATER



To make most of the possibilities and foster global learning, institutions like Manav Rachna have moved to 'networking' by forming global partnerships with the institutions abroad. Understanding that providing an international perspective to students is central to education in the 21st Century, Manav Rachna Educational

A Data-driven approach to Sustainability: Manav Rachna redefines Research

A rigorous academic and research ecosystem plays an essential role in imparting unique learning experiences and preparing the generations for the future. With a focus to create a sustainable living, Manav Rachna has adopted a vibrant, forward-looking attitude to enrich the minds and environment with the best of data, resources and knowledge.

September 30, 2023 07:17 pm | Updated 07:18 pm IST

COMMENTS SHARE READ LATER



In the pursuit of academic excellence, fostering innovation, and creating a conducive environment for cutting-edge research, Manav Rachna Educational Institutions stand as a beacon of knowledge and transformation. Its commitment to touching and transforming lives through academically sound and intellectually inspiring

Manav Rachna: Creating a Global Hub of Knowledge, Innovation, Research and Entrepreneurship

Brand Stories

Published on May 22, 2023 06:50 PM IST

A vibrant, forward-thinking and innovative institution, Manav Rachna has been inculcating the best of values in students



HEALTHY COMMUNITIES

Sign In

Annexure-3.1										
Manav Rachna University, Faridabad										
RDC Cell										
Research Publications in Journals from July 2022 to June 2023										
S.No.	Department	Faculty Name	Title of the Paper	Authors sequence mentioned in the published paper	Journal Name	Publication in National Journal / International Journal	Publication Details	Publication Month	Year of Publication	ISSN
1	Law	S.K. Bose	Investigating the Roots of White-Collar Crime	Sakshi Mohan, S.K Bose	Madhya Bharti-Humanities and Social Sciences	National	Vol.84, No.30, January-June 2023	June	2023	0974-0066
2	Law	Kaveri Sharma	A Reformative Approach towards Juvenile Justice System	Ritu Dhirania, Kaveri Sharma	CPJ Law Journal	National	Volume IV, Issue 1, Page 181, June 2023	June	2023	0976-3562
3	Management & Commerce	Chand Prakash Saini	Covid-19 and Indian Women Entrepreneurship: Factor Analysis Approach	Ritu Yadav, Krishna Kumari & Chand Prakash Saini	Journal of Women's Entrepreneurship and Education	International	Issue-1-2, Page No. 72-88, June 2023	June	2023	1821-1283
4	Science-Physics	Sandeep Kumar	Enhanced Laser Wakefield by Beating of Two Co-Propagating Gaussian Laser Pulses	Vivek Sharma, Sandeep Kumar, Niti Kant & Vishal Thakur	Journal of Optics	National	https://doi.org/10.1007/s12596-023-01250-6	June	2023	0972-8821
5	Management & Commerce	Animesh Singh	A Brief Review on Organic Skincare Cosmetics buying behavior of Female Consumers	Sonia Minocha & Animesh Singh	Kanpur Philosophers: International Journal of humanities, Law and Social Sciences	International	Vol. X, Issue 1, June 2023	June	2023	2348-8301

6	Science- Chemistry	Sangita Banga	Biodiesel Production From Waste Cooking Oil: A Comprehensive Review on The Application of Heterogenous Catalysts	Monika, Sangita Banga & Vinayak V. Pathak	<u>Energy Nexus</u>	International	Volume 10, No. 100209, June 2023	June	2023	2772-4271
7	Law	S.K. Bose	Strengthening Capacity Building and Response to health Crisis in Developing Countries	Akansha Tripathi, S.K. Bose	Madhya Bharti- Humanities and Social Sciences	National	Vol.83, No.1, January-June 2023	June	2023	0974-0066
8	Law	S.K. Bose	Intellectual Property Rights VIS A VIS Sustainable Development	Akansha Tripathi, S.K. Bose	Journal of the Oriental Institute	National	Vol. 72, Issue-01, No.2, June 2023	June	2023	0030-5324
9	Science- Physics	Jitendra Pal Singh	Dissolution of Mg(OH) ₂ by Swift Heavy Ion Irradiation in CoFe ₂ O ₄ /MgO/ZnFe ₂ O ₄ Multilayer Thin Films	Shaffy Garg, Sanjeev Gautam, Jitendra Pal Singh, Mandeep Kaur, Anshu Gupta, Ramcharan Meena, Suvankar Chakraverty, Young Hwa Jung, Navdeep Goyal	Materials Letters	International	Volume 349, No. 134738, June 2023	June	2023	0167-577X
10	Law	Chaitali Wadhwa & Shaharyar Asaf Khan	The Impact of Paid Parental Leaves to Prevent Gender-Based Violence	Chaitali Wadhwa, Shaharyar Asaf Khan	Mukt Shabd Journal	National	Volume-12, Issue-6, June 2023	June	2023	2347-3150
11	Education & Humanities	Ritu Sharma	Trends and Future Directions of Accreditations in Higher Education : Bibliometric Analysis	J. Srikanth Reddy, Ritu Sharma, Amit Kumar Gupta	Prabandhan: Indian Journal of Management	National	<u>Volume 16, Issue 6, June 2023</u>	June	2023	0975-2854
12	ECE	Meenaks	Novel Feature	Kumod Kumar Gupta,	Wireless Personal	International	https://doi.org	June	2023	1572-834X

		hi Gupta	Selection Using Machine Learning Algorithm for Breast Cancer Screening of Thermography Images	Ritu Vijay, Pallavi Pahadiya, Shivani Saxena & Meenakshi Gupta	Communications	tional	<u>/10.1007/s11277-023-10527-9</u>			
13	Science- Chemistry	Sudhish Kumar Shukla	<u>Electrochemical and surface study of an antibiotic drug as sustainable corrosion inhibitor on mild steel in 0.5 M H₂SO₄</u>	Rajni Narang, Priya Vashishth, Sudhish K Shukla, Bindu Mangla	Journal of Molecular Liquids	International	<u>Volume 384, 122277, June 2023</u>	June	2023	1873-3166
14	Science- Physics	Jitendra Pal Singh	Tuning of structural, electrical and transport behaviour of cobalt nanoferrite by dysprosium ions substitution	Hemaunt Kumar, Puneet Negi, Jitendra Pal Singh, R.C. Srivastava, Subia Ambreen, K. Asokan	Ceramics International	International	<u>Volume 49, Issue 16, Pages 27294-27302, June 2023</u>	June	2023	0272-8842
15	Law	Ajay Bhatia	Role of Workplace Happiness in Achieving Sustainable Academic Performance: A Study on Selected Private Universities in Delhi NCR	Ajay Bhatia, Farhat Mohsin	World Review of Entrepreneurship, Management and Sustainable Development	International	Vol.19 No.3/4/5, Page No. 416 - 429, May 2023	May	2023	1746-0581
16	CST	Urmila Pilania	A Systematic Study of Artificial Intelligence-Based Methods for Detecting Brain Tumors	Sanjeet Kumar, Urmila Pilania, Neha Nandal	Informatics and Automation	International	Vol. 3, Issue-22, Pages 541-575, May 2023	May	2023	2713-3206
17	Science- Chemistry	Jaya Tuteja & Arpit Sand	Probing the Electro-Chemical and Thermal Properties of	Sharon J. Paul, Sarvesh Kumar Singh, Jaya Tuteja, Arpit Sand and Prakash Chandra	Journal of the Turkish Chemical Society Section A: Chemistry	International	Vol. 10(2), Page No. 493-504, May 2023	May	2023	2149-0120

			Polyaniline/MWCNT Nanocomposites							
18	CST	Urmila Pilania	A Systematic Study of Artificial Intelligencebased Methods For Detecting Brain Tumors	Sanjeet Kumar, Urmila Pilania & Neha Nandal	Artificial Intelligence, Knowledge and Data Engineering	International	Vol. 22, No. 3, May 2023	May	2023	2713-3206
19	Law	S.K. Bose	Rising Horizons of Sound Trademark	Akansha Tripathi, S.K. Bose	Shodh Prabha	National	Vol 48, Issue 2, May 2023	May	2023	0974-8946
20	ECE	Piyush Charan	A 120 Ghz Down Conversion Mixer Design For Improved Linearity, High Conversion-Gain And Low Noise-Figure In 130 Nm Cmos Technology	Zohaib Hasan Khan, Shailendra Kumar, Deepak Balodi, Piyush Charan	Journal of Theoretical and Applied Information Technology	International	Vol.101. No 9, May 2023	May	2023	1992-8645
21	Education & Humanities	Geeta Thakur	Effect of Commuting on the Academic Performance of Students in Higher Technical Education and their Physical and Emotional State	Asha Kaushik, Sunil Rai, Geeta Thakur & Pankaj Kumar	Innovations in Education and Teaching International	International	https://doi.org/10.1080/14703297.2023.2216677 , May 2023	May	2023	1470-3297
22	Science-Chemistry	Pradeep K. Varshney	Plasticizer Effects on PVA-Doped Mixed-Ion Composite Polymer Electrolytes	Sandeep Srivastava, Pradeep K. Varshney	Polymer Bulletin	International	https://doi.org/10.1007/s00289-023-04817-2	May	2023	1436-2449
23	CST	Jyoti Pruthi	Machine Learning Based Software Fault Prediction Models	Gurmeet Kaur (Research Scholar), Jyoti Pruthi, Parul Gandhi	Karbala International Journal of Modern Science	International	Vol. 9, Issue-2, Article 9, April 2023	April	2023	2405-6103
24	Management &	Chand Prakash Saini	Occupational Stress and Work-Life Balance among	Dr. Chand P Saini, Nisha Gaur, Dr. Ritu Yadav	Pacific Business Review International	National	Volume-15, Issue-10, Page No.117-125,	April	2023	0974-438X(P)

	Comme rce		Jurisdiction Professionals: A PLS-SEM Approach				April 2023			
25	CST	Sanjay Singh, Hanu Bhardwaj & Jyoti Pruthi	Quantum Learning Theory: A Classical Perspective for Quantum Image	Sanjay Singh, M. Thurai Pandian, Ankur Kumar Aggarwal, Satya Prakash Awasthi, Hanu Bhardwaj, Jyoti Pruthi	Materials Today: Proceedings	Interna tional	Volume 80, Part 3, 2023, Pages 2786- 2793, April 203	April	2023	2214-7853
26	Mechan ical	Smriti Mishra	A Study on Microstructural Behaviour and Mechanical Properties of Composites Fabricated by Friction Stir Processing	Smriti Mishra, Jatinder Kumar & Hari Singh	Indian Journal of Engineering & Materials Sciences	Nation al	Vol. 30, Page No. 212-225, April 2023	April	2023	0971-4588
27	CST	R. Girija & Manoj Kumar	A cryptanalysis of elliptic curve cryptography based on phase truncation in the domain of hybrid gyrator Hartley transform	Hukum Singh, R Girija & Manoj Kumar	<u>Optical and Quantum Electronics</u>	Interna tional	Vol. 55, Article number : 487, April 2023	April	2023	0306-8919
28	Mechan ical	Vineet Dubey	Thermal Modelling of Cutting Tool under Different Cutting Environment in Turning	Ajay Singh, Vineet Dubey, Anuj Kumar Sharma	Materials Today: Proceedings	Interna tional	https://doi.org /10.1016/j.ma tpr.2023.04.19 3	April	2023	2214-7853
29	ECE	Shruti Vashist	Empirical Study on Design and Development of Hand-Crafted Footwear	Jadhav G.S., Salve U.R., Kumar R., Vashist S., Kumar V., Kumar D., Banga H.K., Dhulekar A.	International Journal of Experimental Research and Review	Interna tional	Vol. 30: 87-99 (2023)	April	2023	2455-4855
30	Educati on	Ritu Sharma	Virtual Accreditation Peer	J. Srikanth Reddy, Ritu Sharma, Narain Gupta	Higher Education, Skills and Work-based	Interna tional	https://doi.org /10.1108/HES	April	2023	2042-390X

	& Humanities		Review Team Visits - Higher Education Accreditations: Present and Future Directions		Learning		<u>WBL-06-2022-0140</u>			
31	CST	Gananjot Kaur & Prinima Gupta	Detection of Distributed Denial of Service Attacks for IoT-Based Healthcare Systems	Gaganjot Kaur, Prinima Gupta	Computer Assisted Methods in Engineering and Science	International	Volume 30, Issue 2, 2023, Pages 167-186, April 2023	April	2023	2299-3649
32	CST	R. Girija	Optical Medical Image Encryption Based on Digital Hologram in Various Domains	R. Girija, H. Singh & G. Abirami	Journal of Optics	International	https://doi.org/10.1007/s12596-023-01186-x	April	2023	2040-8986
33	Science s- Physics	Jitendra Pal Singh	Ion Implantation in Multifunctional Materials	Singh J.P., Chae K.H., Kanjilal D., Komarov F.	Materials Letters	International	Volume 342, Issue-1, Art No. 134347	April	2023	0167-577X
34	Science s- Chemistry	Shilpa Sharma	Biocompatible Stimuli Responsive Hydrogels of Okra Mucilage with Acrylic Acid for Controlled Release Phytochemicals of Calendula Officinalis: In Vitro Assay	Vandna Choudhary, Shilpa Sharma, Pawan Kr. Shukla, Amita Malik	Materials Today: Proceedings	International	https://doi.org/10.1016/j.matpr.2023.03.701	April	2023	2214-7853
35	Law	Ajay Bhatia	Role of Workplace Happiness in Achieving Teachers' Sustainable Academic Performance: A Study on Selected Private Universities in Delhi NCR	Ajay Bhatia and Farhat Mohsin	World Review of Entrepreneurship, Management and Sustainable Development	International	Vol. 19, No.3-5, Page No. 416-429, March 2023	March	2023	1746-0573
36	Mechan	Smriti	An Experimental	Smriti Mishra,	EVERGREEN Joint	Interna	Vol. 10, Issue	March	2023	2189-0420

	ical	Mishra, Prashant Bhardwaj	Analysis of Natural Heat Transfer between Rectangular Solid and Perforated Fins Having Different Perforation Characteristics	Abhishek Yadav, Prashant Bhardwaj	Journal of Novel Carbon Resource Sciences & Green Asia Strategy	tional	01,Page No. 366-371, March 2023			
37	Management & Commerce	Tanushri Purohit	Impact of Entrepreneurship on Healthcare Sector: A Study in Delhi NCR	Ms. Komal Sharma, Dr. Tanushri Purohit	International Journal of Economic Perspectives	International	Vol. 17(03) Page No. 99-119, March 2023	March	2023	1307-1637
38	Law	S.K. Bose	Euthanasia: The Supreme Court Of India In Aruna Shanbag Case	S.K. Bose	Legal Service India: E-Journal	National	-	March	2023	978-81-928510-0-6
39	CST	Neelu Chaudhary & Hardeo Kumar Thakur	Dynamic Visualization and Analysis of Government Responses-A Support System to Control Pandemic Situations	Neelu Chaudhary, Hardeo Kumar Thakur, and Rinky Dwivedi	International Journal of Computing and Digital Systems	International	Vol. 13, No.1, Page No. 519-533, March-2023	March	2023	2210-142X
40	Management & Commerce	Chand Prakash	Empowering Leadership and Innovative Work Behavior: Mediating Effect of Psychological Empowerment	Ritu Yadav, Chand Prakash, Asha Dalal	Pakistan Journal of Commerce and Social Sciences	International	Vol. 17, Issue 1, Page no.1-20, March 2023	March	2023	1997-8553
41	Mechanical	Vineet Dubey	Comparative Study of Dry Machining with MQL Assisted soybean oil in turning operation of	Shukla A., Dubey V., Kumar Sharma A.	Materials Today: Proceedings	International	https://doi.org/10.1016/j.matpr.2023.02.228	March	2023	2214-7853

			AISI 304 steel							
42	Law	Somdutt Bhardwaj	IndiGen Project and Its Application in Criminal Law in India	Sharma A., Bhardwaj S.	Journal of Forensic Science and Medicine	National	Volume-9, Issue-1, Page no. 70-75, Jan-March 2023	March	2023	2349-5014
43	ECE	Piyush Charan	Design and Performance Analysis of Low Power Fully Integrated Tunable Bandpass Filter	Mittal N., Ullah Khan I., Charan P.	Materials Today: Proceedings	International	https://doi.org/10.1016/j.matpr.2023.03.369	March	2023	2214-7853
44	Mechanical	Gianender Kajal & M.R. Tyagi	A Review on the Effect of Residual Stresses in Incremental Sheet Metal Forming Used in Automotive and Medical Sectors	Gianender Kajal, M.R. Tyagi & Gulshan Kumar	Materialstoday: Proceedings	International	<u>Volume 78, Part 3, 2023, Pages 524-534</u>	March	2023	2214-7853
45	Mechanical	Prashant Bhardwaj	Optimisation of Series and Parallel Combination of N-SPVT Air Collectors Based on Overall Thermal Energy and Exergy	G.N. Tiwari, Prashant Bhardwaj, Sujata Nayak and Arvind Tiwari	International Journal of Renewable Energy Technology	International	Vol. 14, No. 2, Page No. 171-191, February 2023	February	2023	1757-3971
46	Law	S.K. Bose	An Overview of the English Legal System	S.K. Bose	Legal Service India: E-Journal	National	-	February	2023	978-81-928510-0-6
47	ECE	Charu Pathak	Dynamics Inside a Dual-Frequency Paul Trap in the Presence of Excess Micromotion	Kansal A., Saxena V., Pathak C.	IEEE Transactions on Plasma Science	International	Volume:51, Issue:2, Page No. 359 - 366, February 2023	February	2023	0093-3813
48	CST	Shalu Singh	A Bio-Inspired VM Migration using Re-initialization and Decomposition	Shalu Singh, Dinesh Singh	ICT EXPRESS	International	https://doi.org/10.1016/j.ict.2022.02.003	February	2023	2405-9595

			based-Whale Optimization							
49	Mechanical	Pradeep Kumar Mouria	Optimizing the Parameters of Spark Plasma Sintering to Enhance the Hardness of MgO/TiC Composites	Karanam S.A.K., Rathinam R., Mouria P.K., Alguno A.C., Capangpangan R.Y., Achamyeh T., Gonzales J.L.A., Sharma V.K., Livingston T.S.	Advances in Materials Science and Engineering	International	Volume 2023, Article ID 1335481, 14 pages	February	2023	1687-8442
50	Mechanical	Ajit Katiyar	Effect of Different Aluminium Oxide Based Nanofluid Concentrations on the Efficiency of Solar Water Desalination System	Ajit Katiyar, Naveen Kumar Gupta	Journal of Thermal Engineering	International	Vol. 9, No. 1, Page No. 61-68, January 2023	January	2023	2148-7847
51	Management & Commerce	Rashi Banerji	Sales Impact In Modern Trade Retail During Festival Big Days, Post Wave 2 Of Covid-19	Hitesh Kakar, Rashi Banerji, Mandeep Singh	Seybold Report	International	Vol. 18(01), Page No.1239-1246, January 2023	January	2023	1533-9211
52	CST	Mrinal Pandey & Sachin Lakra	A Systematic Review on the Detection and Classification of Plant Diseases Using Machine Learning	Munjal D., Singh L., Pandey M., Lakra S.	International Journal of Software Innovation	International	Vol.11, Issue-1, January 2023	January	2023	2166-7179
53	Management & Commerce	Priyanka Chadha & Yogita Sharma	A Framework to Assess the Smartphone Buying Behaviour using DEMATEL Method in the Indian Context	Bali S., Bali V., Gaur D., Rani S., Kumar R., Chadha P., Sharma Y., Prakash C., Shahare P., Singh Khara G., Kampani S., Solopova N., Dixit S., Vatin N.I.	Ain Shams Engineering Journal	International	https://doi.org/10.1016/j.asej.2023.102129	January	2023	2090-4479
54	Education &	Savita Sharma	Consumer Buying Intention Towards Health Insurance	Aditi Khanna, Dr. Savita Sharma	IJFANS International Journal of Food and Nutritional Sciences	National	Volume 11,S Issue-3, Dec 2022	December	2022	2319-1775

	Humanities		Products: A Qualitative Perspective							
55	Management & Commerce	Pooja Kapoor	Identifying the Barriers and Highlighting the Need to Strategize ICT Adoption- A Study of Indian MSMEs	Srilekh. S., Kapoor P	Rabindra Bharati University Journal of Economics	National	Volume-XVI, December 2022	December	2022	0975-802X
56	ECE	Niharika Thakur & Yogita Khanna	RFID Technology for Next Generation: Theory, Design, and Applications	Sunita Joshi, Y K Awasthi, Niharika Thakur, Yogita Khanna	Journal of East China University of Science and Technology	International	Vol. 65, No. 4, Page No. 571-577, December 2022	December	2022	1006-3080
57	ECE	Bhanu Pratap Chaudhary	Investigation of Vehicular S-LSTM NOMA Over Time Selective Nakagami-m Fading with Imperfect CSI	Ravi Shankar, Bhanu Pratap Chaudhary, & Ritesh Kumar Mishra	Journal of Telecommunications and Information Technology	International	Issue-4, December 2022	December	2022	1509-4553
58	CST	Nikita Taneja & Hardeo Kumar Thakur	RNNCore: Lexicon Aided Recurrent Neural Network for Sentiment Analysis	Nikita Taneja, Hardeo Kumar Thakur	International Journal of Computing and Digital Systems	International	Vol. 12, No.1 (Dec-2022)	December	2022	2210-142X
59	Science-Chemistry	Sudhish Kumar Shukla	Cefuroxime: A Potential Corrosion Inhibitor for Mild Steel in Sulphuric Acid Medium	Tanwer S., Kumar Shukla S.	Progress in Color, Colorants and Coatings	International	Vol.16 (2023), Page No. 125-138	December	2022	2008-2134
60	Management & Commerce	Manmeet Bali Nag	Student Engagement and Academic Achievement as Precursors to Knowledge Management: Dynamics of Post COVID Offline	Nag M.B., Malik F.A., Ul-Durar S., Mangar G.K.	Journal of Content, Community & Communication	International	Vol.16, Issue 8, Page No. 54-62	December	2022	2395-7514

			Classroom Student Engagement and Achievement							
61	CST	Chandni Magoo	A Novel Hybrid Approach for Intent Creation and Detection Using K-Means-Based Topic Clustering and Heuristic-Based Capsule Network	Magoo C., Singh M.	International Journal of Information Technology & Decision Making	International	https://doi.org/10.1142/S0219622022500924	December	2022	0219-6220
62	CST	Shalu Singh	Comprehensive Analysis of VM Migration Trends in Cloud Data Centers	Shalu Singh, Dinesh Singh	Recent Patents on Engineering	International	Volume 17, Issue 6, December 2022	December	2022	1872-2121
63	Education & Humanities	Geeta Thakur	Foresee Consequences Before They do Something: A Study on Personality Traits And Consequences of Workplace Bullying Using Sem	Samiksha Singh, Sunil Rai, Anurag Singh, Geeta Thakur & Ujjwal Das	Central European Management Journal	International	Vol. 30, Issue-3, Page No. 1978-2001, November 2022	November	2022	2336-2693
64	Education & Humanities	Geeta Thakur	Upstream Onshore Oil & Gas Industry (Uoogi) Disasters: A Study on Behavioural Response of Ogi	Col. Avanindra Soni, Sunil Rai, Geeta Thakur & Anurag Singh	Central European Management Journal	International	Vol. 30, Issue-3, Page No. 2209-2226 November 2022	November	2022	2336-2693
65	Education & Humanities	Babita Parashar	Validation on Social Media and Adolescents: A matter of self esteem	Radhika Dhingra, Babita Parashar	Journal for Educators, Teachers and Trainers	International	Vol. 13(4), Page No. 114-119, November 2022	November	2022	1989-9572
66	Management	Chand Prakash	Unified AHP-TOPSIS and DEA Technique	Neha Gupta, Chand P. Saini, Amit Dangi and	International Journal of Vehicle Design	International	Vol. 88, No. 2-4, November	November	2022	0143-3369

	& Commerce	Saini	for the Adoption and Performance Evaluation of Green Transportation Alternatives in India	Md. Tanwir Akhtar			2022			
67	Mechanical	Joginder Singh	Remodelling of a Jet Engine Mounting Bracket using Structural Analysis and Topology Optimization	Joginder Singh, Prateek Sachdeva, Rajendra Tiruwa	International Journal of Research	International	Volume XI, Issue XI, November 2022	November	2022	2348-6848
68	Mechanical	Joginder Singh	Frequency and Static Structural Linear Analysis of Non-Flexible Pedestrian Iron Bridge by Simsolid Software	Joginder Singh, M.R. Tyagi, Sahil, Tushar Aggarwal	International Journal of Research	International	Volume XI, Issue XI, Page No. 707-715, November/2022	November	2022	2348-6848
69	Science - Physics	Sandeep Kumar	Self-Focusing of a Bessel–Gaussian Laser Beam in Plasma under Density Transition	Vishal Thakur, Sandeep Kumar, and Niti Kant	Journal of Nonlinear Optical Physics & Materials	International	https://doi.org/10.1142/S0218863523500388	November	2022	1793-6624
70	Science - Physics	Ananna Bardhan, Anshuman Sahai & Dinesh Kumar Sharma	Ionospheric and Surface Thermal Parameters During three High Magnitude Earthquakes	Ananna Bardhan, Pooja Sharma, Anshuman Sahai & Dinesh Kumar Sharma	The Journal of Indian Geophysical Union	National	Vol.26, No. 6, Page No. 491-504, November 2022	November	2022	0257-7968
71	Science - Chemistry	Megha Bansal	Development of Portland Limestone Cement (PLC) in India using Different Composition of Cement and Marginal Grade Limestone: A	Sandeep Gupta, B.N. Mohapatra, Megha Bansal	Journal of the Indian Chemical Society	National	Volume 99, Issue 11, 100724, November 2022	November	2022	0019-4522

			Sustainable Approach							
72	Education & Humanities	Geeta Thakur	An ounce of Prevention is Worth a Pound of Cure: a Study on Emotional Regulation, Thwarted Social Needs, Disposable Income and its Relationship with Psychological Well-Being	Rajiv Mishra, Sunil Rai, Geeta Thakur and Anurag Singh	International Journal of Work Organisation and Emotion	International	Vol. 13, No. 3, Page no. 260-281, November 2022	November	2022	1740-8938
73	Management & Commerce	Manmeet Bali Nag & Priyanka Chadha	Production Improvement on the Assembly Line through Cycle Time Optimization	Pankaj Kumar, Shashi Bhushan Prasad, Dharmendra Patel, Laxmi Gupta, Manmeet Bali Nag & Priyanka Chadha	International Journal on Interactive Design and Manufacturing	International	https://doi.org/10.1007/s12008-022-01031-8	November	2022	1955-2505
74	Management & Commerce	Manmeet Bali Nag & Priyanka Chadha	A Systematic Review of Green Supply Chain Management Practices in Firms	Rajat Gera, Priyanka Chadha, Manmeet Bali Nag, Sahiba Sharma, Heena Arora, Anjum Parvez, Lebedinskaya Yuliya Sergeevna,	Materialstoday: Proceedings	International	Volume 69, Part 2, 2022, Pages 535-542, November 2022	November	2022	2214-7853
75	Science-Chemistry	A. Jayamani	Mixed ligand octahedral Zn(II) complex of N ^N O donor tridentate Schiff base ligand and N ^N donor bidentate Bipyridine Ligand: Synthesis, Characterization, Biological Activity and Cytotoxicity	Thamilarasan Vijayan, Mani Pugazhenth, Azam Nasirian, Jinheung Kim, Gopinath Kasi, Arumugam Jayamani	Bulletin of the Korean Chemical Society	International	Volume 43, Issue 11, Pages: 1223-1293, November 2022	November	2022	0253-2964
76	Management	Priyanka Chadha	A Systematic Literature Review of	Rajat Gera, Ruchika Yadav, GS Khera,	Materialstoday: Proceedings	International	Volume 69, Part 2, Pages	November	2022	2214-7853

	& Commerce		Supply Chain Management Practices and Performance	Ashima Saxena, Priyanka Chadha, Saurav Dixit, Lebedinskaya, Yuliya Sergeevna			624-632, November 2022			
77	Science-Chemistry	Sudhish Kumar Shukla	Thermodynamic and Electrochemical Investigation of Inhibition Efficiency of Green Corrosion Inhibitor and its Comparison with Synthetic Dyes on MS in Acidic Medium	Priya Vashishth, Himanshi Bairagi, Rajni Narang, Sudhish K. Shukla, Bindu Mangla	Journal of Molecular Liquids	International	Volume 365, 1 November 2022, 120042	November	2022	0167-7322
78	Law	Sampriti Phukan	Government's Piecemeal Approach Towards Street Vendors	Sampriti Phukan	Rabindra Bharati Journal of Philosophy	National	Vol. XXIII, No.24, November 2022	November	2022	0973-0087
79	Law	Sampriti Phukan	Street Vendors and the Supply Chain during the Corona Crisis	Sampriti Phukan	Shodha Prabha	National	Vol. 47, Issue-03, No.02, November 2023	November	2022	0974-8946
80	Management & Commerce	Chand Prakash Saini	Gamified Apps and Customer Engagement: Modeling in Online Shopping Environment	Kanchan Yadav, Anshul Arora, Ritu Yadav, & Chand Prakash	Transnational Marketing Journal	International	Volume: 10, No: 3, Page No. 593-605, October 2022	October	2022	2041-4684
81	Management & Commerce	Chand Prakash Saini	Evaluation of Key Criteria Affecting the Adoption of Digital Marketing by SMEs using An Interval Valued Pythagorean Fuzzy AHP Technique	Dr. Md. Tanwir Akhtar, Dr Neha Gupta & Dr. Chand P. Saini	Transnational Marketing Journal	International	Volume: 10, No: 3, Page No. 459-471, October 2022	October	2022	2041-4684
82	Management	Chand	An Investigation of	Shipra Kumari, Chand	Transnational	International	Volume: 10,	October	2022	2041-4684

	ment & Commerce	Prakash Saini	Factors Affecting the Adoption of Green Hospitals among Healthcare Professionals	Prakash Saini	Marketing Journal	tional	No: 3, Page No. 505-514	r		
83	Science-Physics	Jitendra Pal Singh	Structural, Optical, and Magnetic Properties of Ag ⁺ , Mn ⁺ and Ar ⁺ ions Implanted ZnO Thin Films: Effect of Implanation Dose and Stopping Energy	Weon Cheol Lim, Jitendra Pal Singh, Jonghan Song, Tae-Yeon Seong and Keun Hwa Chae	RSC Advances	International	12(46):29666-29676, October	October	2022	2046-2069
84	CST	Prinima Gupta	A Novel Ensemble Earthquake Prediction Method (EPM) by Combining Parameters and Precursors	Sumita Mukherjee, Prinima Gupta, Pinki Sagar, Neeraj Varshney, and Manoj Chhetri	Journal of Sensors	International	Volume 2022, Article ID 5321530, 14 pages, October 2022	October	2022	1687-725X
85	CST	Parneeta Dhaliwal	Detailed Study of Wine Dataset and its Optimization	Parneeta Dhaliwal, Suyash Sharma, Lakshay Chauhan	International Journal of Intelligent Systems and Applications	International	Volume 14 (2022), Issue 5, Page no. 35-46	October	2022	2074-904X
86	Science-Chemistry	Sudhish Kumar Shukla	Chemical and Electrochemical Study of Effect of Soluble Sulfonated Polystyrene on Mild Steel Interface in Hydrochloric Acid Solution	Abhishek Dwivedi, Prem Bharti, Sudhish Kumar Shukla	Gazi University Journal of Science	International	Volume-35, Issue-3, Page No. 808 - 820	September	2022	2147-1762
87	CST	R. Girija	Cryptanalysis of DRPE using Complex S-Box Based on Linear Canonical Transform	R. Girija, H. Singh & G. Abirami	Multimedia Tools and Applications	International	https://doi.org/10.1007/s11042-022-13752-9	September	2022	1380-7501

88	CST	Sachin Lakra	Image Based Early Detection of Diabetic Retinopathy: A Systematic Review on Artificial Intelligence (AI) Based Recent Trends and Approaches	Anju Mishra, Laxman Singh, Mrinal Pandey, Sachin Lakra	Journal of Intelligent & Fuzzy Systems	International	Vol. 43, No. 5, pp. 6709-6741, September 2022	September	2022	1064-1246
89	CST	Gunjan Chandwani	Aspect Term Extraction and Optimized Deep Fuzzy Clustering-Based Inverted Indexing for Document Retrieval	Gunjan Chandwani, Anil Ahlawat, Gaurav Dubey	Intelligent Decision Technologies	International	Vol. 16, No. 3, pp. 543-555, September 2022	September	2022	1872-4981
90	CST	Chandni Magoo	Comparative Study and Experimentation on Different Techniques for Customised POS-Tagging	Chandni Magoo and Manjeet Singh	International Journal of Intelligent Information and Database Systems	International	Volume 15, Issue 4, pp 420-449, September 2022	September	2022	1751-5858
91	Education & Humanities	Ritu Sharma & Geeta Thakur	Sustainability Competencies: A Critical Review	J. Ansari, G.R. Thakur, R. Sharma & N. Gupta	Dogo Rangsang Research Journal	National	Vol-12, Issue-08, No. 02 August 2022	August	2022	2347-7180
92	Education & Humanities	Ritu Sharma	Developing Problem-Solving Skills Amidst Pandemic	Dr Ritu Sharma, Dr Seema Sharma	Dogo Rangsang Research Journal	National	Vol-12 Issue-08 No. 02 August 2022	August	2022	2347-7180
93	CST	Urmila Pilonia	Framework for Video Steganography Using Integer Wavelet Transform	Urmila Pilonia, Rohit Tanwar, Mazdak Zamani and Azizah Abdul Manaf	Future Internet	International	14(9), 254, August 2022	August	2022	1999-5903

			and JPEG Compression							
94	Law	Vani Kataria & Shaharyar Asaf Khan	The Limits of Religious Freedom: How Measured	Vani Kataria, Dr. Shaharyar Asaf Khan	Shodha Prabha	National	Vol. 47, Issue. 02, August 2022	August	2022	0974-8946
95	CST	Meena Chaudhary & Jyoti Pruthi	A Novel Squirrel Search Clustering Algorithm for Text document Clustering	Meena Chaudhary, Jyoti Pruthi, Vinay Kumar Jain, Suryakant	International Journal of Information Technology	International	https://doi.org/10.1007/s41870-022-01078-6	August	2022	2511-2112
96	Education & Humanities	Babita Parashar	Role of Parents in Fostering Reading Skills in Early Years	Asma Zaidi, Dr Babita Parashar	International Journal of Early Childhood Special Education (INT-JECSE)	International	Vol 14 Issue 06, Pg 629-639, 2022	August	2022	1308-5581
97	Law	S.K. Bose	Judicial Review	Ashu Bhargava, SK Bose	International Journal of Research in Engineering and Science	International	Vol. 10, Issue-8, August 2022	August	2022	2320-9364
98	Management & Commerce	Pragati Chauhan	Controlling the Uncontrolled: Over tourism in Hill Stations of Northern India	Saurabh Gupta, Nupur Gupta, Pragati Chauhan	Journal of Positive School Psychology	International	Vol. 6, No. 5, Page No. 6549-6568, July 2022	July	2022	2717-7564
99	CST	Jyoti Pruthi	A Study of Agile-Based Approaches to Improve Software Quality	Gurmeet Kaur (Research Scholar), Jyoti Pruthi	International Journal of Computer and Systems Engineering	International	Vol.16, No.5, 2022	July	2022	2769-3457
100	Law	Shaharyar Asaf Khan	Contextualizing Abusive Behaviour of Dominant Entity-Challenges Before Fair Competitive Market	Dr. Nisha Dhanraj Dewani, Dr. Zubair Ahmed Khan, Dr. Shaharyar Asaf Khan	Journal of Positive School Psychology	International	Vol. 6, No. 2, 3928-3935	July	2022	2717-7564
101	Science-	Kamlesh Kumar	Finite Difference-Collocation Method	Sandeep Kumar, Rajesh K. Pandey,	fractal and fractional	International	2022, 6, 387, Page No.1-16	July	2022	2504-3110

	Mathematics		for the Generalized Fractional Diffusion Equation	Kamlesh Kumar, Shyam Kamal and Thach Ngoc Dinh						
102	Science-Physics	Jitendra Pal Singh	Synchrotron Radiation Based X-Ray Techniques for Analysis of Cathodes in Li Rechargeable Batteries†	Jitendra Pal Singh, A. K. Paidi, K. H. Chae, Sangsul Lee and D. Ahn	RSC Advances	International	Vol. 12, Pg. 20360-20378	July	2022	2046-2069
103	Mechanical	Prashant Bhardwaj	Fabrication of Aluminium MMCs & Associated Difficulties-A Review	Neha Bhadauria, Prashant Vashishtha, Smriti Mishra, Prashant Bhardwaj	Materialstoday: Proceedings	International	Volume 64, Part 3, 2022, Pages 1276-1282	July	2022	2214-7854
104	Mechanical	Prashant Bhardwaj	Influence of Process Parameters of Friction Stir Processing on the Fabrication of Metal Foam	Smriti Mishra, Prashant Bhardwaj, Neha Bhadauria, Prashant Vashishtha	Materialstoday: Proceedings	International	Volume 64, Part 3, 2022, Pages 1398-1402	July	2022	2214-7854
105	Education & Humanities	Babita Parashar	Social Emotional Learning: Policy Initiatives and Classroom practices	Anshu Singla, Babita Parashar	International Journal of Health Sciences	International	Vol. 6(S8) Page No. 14-23	July	2022	2550-696X
106	Education & Humanities	Savita Sharma	Exploring Social Barriers to Gender Equality in India	Japneet Kaur, Savita Sharma	Journal of Positive School Psychology	International	Vol. 6, No. 2, 6341-6345	July	2022	2717-7564
107	CST	Meena Chaudhary & Jyoti Pruthi	Analysis of Vision-Based Page Segmentation Algorithm for Semantic Information Classification in Web	Meena Chaudhary, Dr. Jyoti Pruthi	Journal of Optoelectronics Laser	International	Volume 41, Issue 7, 2022	July	2022	1005-0086

			Mining							
108	CST	Hardeo Kumar Thakur	A Trustworthy Model of Recommender System using Hyper-Tuned Restricted Boltzmann Machine	Govind Kumar Jha, Manish Gaur, Preetish Ranjan, Hardeo Kumar Thakur	<u>Multimedia Tools and Applications</u>	International	https://doi.org/10.1007/s11042-021-11575-8	July	2022	1380-7501
109	CST	Manoj Kumar & Susmita Ray	Moving Human Detection and Tracking from Thermal Video through Intelligent Surveillance System for Smart Applications	Manoj Kumar, Susmita Ray, Dileep Kumar Yadav	Multimedia Tools and Applications	International	https://doi.org/10.1007/s11042-022-13515-6	July	2022	1380-7501
110	CST	Gaganjot Kaur & Prinima Gupta	A Robust Tuned Classifier-Based Distributed Denial of Service Attacks Detection for Quality of Service Enhancement in Software-Defined Network	Gaganjot Kaur, Prinima Gupta	Journal of Intelligent & Fuzzy Systems	International	Vol. 43, No. 3, Page No. 2693-2710, 2022	July	2022	1064-1246
111	Science-Physics	Sandeep Kumar	Attosecond-XUV Pulse Generation using Laser-Based High-Harmonic Generation in Argon Gas	Shruti Gulihar, Sandeep Kumar, Mukesh Jewariya	The European Physical Journal Plus	International	137, Article number: 851 (2022)	July	2022	2190-5444
112	Education & Humanities	Rashee Singh & Savita Sharma	Pandemic Impact of Burnout on Teachers Attitude towards Teaching Profession	S. Rani, R. Singh & S. Sharma	Vidyabharti International Interdisciplinary Research Journal	National	-	July	2022	2319-4979
113	Science-Chemistry	Sudeep Kumar Shukla	Corrosion Inhibition Activity of Cefixime on Mild Steel	Tanwer S., Shukla Kumar S.	Progress in Color, Colorants and Coatings	International	Volume 15, Issue 3, 2022, Pages 243-255	July	2022	2008-2134

	try		Surface in Aqueous Sulphuric Acid							
114	Education & Humanities	Savita Sharma	Exploring Effectiveness of Mindfulness Training Programme : An Investigation of the Perceived Benefits from Lenses of Pre Service Teachers	Dr Savita Sharma, Dr Deepak Kumar Verma , Dr Kamal Arora	International Journal of Early Childhood Special Education (INT-JECSE)	International	Vol.14, Issue-5, Page No.1308-5581	July	2022	1308-5581
115	Law	S.K. Bose	International Criminal Court on Sexual and Gender Based Violence	Swapnil, SK Bose	International Journal of Law and Legal Research	International	Vol 4, Issue 4, July 2022	July	2022	2582-8878

Annexure-3.2									
Manav Rachna University, Faridabad									
RDC Cell									
Research Publications in Conferences from July 2022 to June 2023									
S.No.	Department	Faculty Name	Title of the Paper	Authors sequence mentioned in the published paper	Conference Name	National Conference / International Conference	Details of Published Papers only (Page No. etc.)	Publication Month	Year of Publication
1	Management & Commerce (Research Fellow)	Mona Sharma	A Narrative Review on use of Biomaterials Inachieving SDG 9: Build Resilient Infrastructure, Promote Sustainable Industrialization and Foster Innovation	Rajat Gera, Priyanka Chadha, Sonali P Banerjee, Mona Sharma, Amit Kumar Pandey, Shivani Kampani, Saurav Dixit, Suresh Kumar Tummala, M. Abdulfadhil Gatea	4th International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023)	International	Volume 391, Article No. 01180, June 2023	June	2023
2	Mechanical	Gianender Kajal	Productivity Analysis of Pyramid Solar Still Using Phase Change Material and Hybrid Nanofluid	Kunal Gaur, Sahil Chauhan, Ajit & Gianender Kajal	Biennial International Conference on Future Learning Aspects of Mechanical Engineering	International	https://doi.org/10.1007/978-981-99-1894-2_53	June	2023
3	CST	R. Girija	Image Encryption Based on Watermarking and Chaotic	R. Girija, S. L. Jayalakshmi & R. Vedhapriyavadhana	International Conference on Futuristic Communication and Network	International	https://doi.org/10.1007/978-981-19-9748-8_37	June	2023

			Masks Using SVD		Technologies				
4	CST	Deepti Thakral	Analysis of Information Technology Outsourcing Services as Future Scope in Indian IT Industries	Nikhil Govil, Neha Batra, Deepti Thakral, Shalini Garg, Shivani Jain	2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC)	International	DOI: 10.1109/ICAAIC56838.2023.10140406	June	2023
5	CST	Mamta Arora & Mrinal Pandey	Forecasting Cryptocurrency Prices using Sequential and Time Series Models	Siddhartha Das Gupta, Teja Kolla, Ravi Yadav, Mamta Arora & Mrinal Pandey	4th International Conference on Information Management & Machine Intelligence	International	Article No.91, Page No. 1-6, May 2023	May	2023
6	CST	Mamta Arora & Mrinal Pandey	NIFTY Banking Sector Closing Price Prediction Using Deep Learning	Aman Singh Chauhan, Basireddy Chinna Ankalugari Vamsidhar, Mamta Arora & Mrinal Pandey	4th International Conference on Information Management & Machine Intelligence	International	Article No.82, Pages 1-6, May 2023	May	2023
7	CST	Mrinal Pandey & Mamta Arora	Stack Tag - Predicting the Stack Overflow Questions' Tags Using Gated Recurrent Unit Networks	Varun Prakash, Sagar Raghav, Shubham Sood, Mrinal Pandey & Mamta Arora	International Conference on Intelligent Systems Design and Applications	International	LNNS 646, Page No. 448-457, May 2023	May	2023
8	Mechanical	Ajit Katiyar	Productivity Improvement of Solar Still Using	Naveen Sharma, Shaik Noushad, G. Siva Ram	International Conference on Advances in Energy Research	International	https://doi.org/10.1007/978-981-99-2279-6_36	May	2023

			Cemented Blocks	Kumar Reddy & Ajit					
9	Mechanical	Ajit Katiyar	Performance Enhancement of Pyramid-Shaped Solar Still Using Phase Change Material with Porous Material	Sahil Chauhan, Kunal Gaur, Ajit & Naveen Sharma	International Conference on Advances in Energy Research	International	https://doi.org/10.1007/978-981-99-2279-6_32	May	2023
10	CST	Priyanka Gupta	Identifying Exoplanet Candidates with Machine Learning	Chaitanya Virmani, Ria Singhla, Priyanka Gupta & Hardeo Kumar Thakur	7th International Conference on Microelectronics , Electromagnetic s and Telecommunications	International	https://doi.org/10.1007/978-981-19-8865-3_31	May	2023
11	ECE	Piyush Charan	Data analytics to reflect the current politics on twitter by using Machine Learning	Piyush Charan, N.Bindu Madhavi, Pavitar Parkash Singh, Amedapu Srinivas	2023 International Conference on Computer Communication and Informatics (ICCCI)	International	DOI: 10.1109/ICCCI56745.2023.10128191	May	2023
12	CST	Chandni Maggo	A Proposed Architecture of Mobile Service Provider Based Interactive Systems	Chandni Magoo, Manjeet Singh	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)	International	DOI: 10.1109/I2CT57861.2023.10126465	May	2023
13	CST	R. Girija	Disability Assistance System Using Speech and	Ramkumar B.N., Jayalakshmi S.L.,	VICFCNT: International Conference on Futuristic	International	Volume 966 LNEE, Page No. 411-421, May 2023	May	2023

			Facial Gestures	Vedhapriyavadhana R., Girija R.	Communication and Network Technologies				
14	CST	Susmita Ray	Time Series forecasting of Agriculture Yield of Cotton with Regression Model Implementation	Neetu Agarwal, Susmita Ray, K.C Tripathi	2022 OPJU International Technology Conference on Emerging Technologies for Sustainable Development (OTCON)	International	DOI: 10.1109/OTCON56053.2023.10113947	May	2023
15	ECE	Charu Pathak, Shruti Vashist	Estimation of Position of Lathe Tool Using Edge Detection Technique	Kumari S., Pathak C., Vashist S., Mahapatra P.K.	2023 International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC)	International	DOI: 10.1109/ISACC56298.2023	April	2023
16	Management & Commerce	Chand Prakash	Factor Analysis Approach to Study Mobile Applications' Characteristics and Consumers' Attitudes	Chand Prakash, Ritu Yadav, Amit Dangi & Amardeep Singh	1st International Conference on Computational Intelligence for Engineering and Management Applications	International	Vol. 984, Page No. 783-798, April 2023	April	2023
17	CST	Hanu Bhardwaj & Jyoti Pruthi	Prioritization in Data Warehouse Requirements — Incorporating Agility	Hanu Bhardwaj & Jyoti Pruthi	International conference on Intelligent Computing and Security: A Paradigm Shift, IICS 2021	International	Volume 982, 2023, Pages 147-155	April	2023

18	Mechanical	Smriti Mishra & Prashant Bhardwaj	Reliability Prediction and Its Simulation for a Friction Stir Processing Tool	Smriti Mishra, Prashant Bhardwaj, Neha Bhadauria & Prashant Vashishtha	2nd International Conference on Industrial and Manufacturing Systems (CIMS 2021)	International	https://doi.org/10.1007/978-981-19-6107-6	March	2023
19	CST	R. Girija	Introduction to Deep Learning and its related case studies	Sakshi R., Girija	2022 International Interdisciplinary and Humanitarian Conference for Sustainability (IHC)	International	DOI: 10.1109/IHC55949.2022.10060089	March	2023
20	CST	Mrinal Pandey & Mamta Arora	Deep Anime Recommendation System: Recommending Anime Using Collaborative and Content-based Filtering	Prakash V., Raghav S., Sood S., Pandey M., Arora M.	2022 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N)	International	DOI: 10.1109/ICAC3N56670.2022.10074101	March	2023
21	CST	Mamta Arora	Application of AI techniques for Face Mask Detection	Arora M., Arora Y., Arora M.	2023 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N)	International	DOI: 10.1109/ICAC3N56670.2022.10074101	March	2023
22	CST	Sanjay Singh, Urmila Paliania & Manoj Kumar	Optimization of Quality Power Distribution System using Artificial	Awasthi S.P., Singh S., Paliania U., Kumar M., Sindhu A.S., Sarika A.S.	2023 5th International Conference on Smart Systems and Inventive Technology	International	DOI: 10.1109/ICSSIT55814.2023.10061066	March	2023

			Intelligence		(ICSSIT)				
23	Mechanical	Smriti Mishra & Prashant Bhardwaj	Reliability Prediction and Its Simulation for a Friction Stir Processing Tool	Smriti Mishra, Prashant Bhardwaj, Neha Bhadauria & Prashant Vashishtha	2nd International Conference on Industrial and Manufacturing Systems (CIMS 2021)	International	https://doi.org/10.1007/978-981-19-6107-6_10	February	2023
24	CST	Smriti Mishra & Prashant Bhardwaj	A Creative Domain of Blockchain Application: NFTs	Urmila Pilania, Pulkit Upadhyay, Rohit Tanwar & Manoj Kumar	Third International Conference on Mobile Radio Communications and 5G Networks (MRCN 2022)	International	https://doi.org/10.1007/978-981-19-7982-8_32	February	2023
25	CST	Alpana, Mrinal Pandey	Deep Learning based Breast Cancer Classification on Thermogram	Aggarwal A.K., Alpana, Pandey M.	3rd IEEE 2022 International Conference on Computing, Communication, and Intelligent Systems, ICCIS 2022	International	DOI: 10.1109/ICCCIS56430.2022.10037624	February	2023
26	ECE	Niharika Thakur, Yogita Khanna	Time delay Independent of Bilateral Tele-Robotic System using Wave Variable Approach	Kumar N., Thakur N., Khanna Y.	2022 8th International Conference on Signal Processing and Communication, ICSC 2022	International	DOI: 10.1109/ICSC56524.2022.10009428	January	2023
27	Sciences-Mathematics	Y.K. Sharma	Generalization of Fourier Transformation of Scaling Function using Riesz basis on	Soni, Kumar N., Sharma Y.K., Kumar V., Aggarwal A.	2022 10th International Conference on Reliability, Infocom Technologies	International	DOI: 10.1109/ICRITO56286.2022.9965138	December	2022

			L2(K)		and Optimization (Trends and Future Directions) (ICRITO)				
28	CST	Urmila Paliana	An Optimized Hybrid approach to Detect Cataract	Paliana U., Diwakar C., Arora K., Chaudhary S.	2022 IEEE Global Conference on Computing, Power and Communication Technologies, GlobConPT 2022	International	DOI: 10.1109/GlobConPT57482.2022.9938266	November	2022
29	CST	Chandni Maggo	From Linguistic Features to Their Extractions: Understanding the Semantics of a Concept	Puneet Garg, Chandni Maggo	2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT)	International	DOI: 10.1109/CCICT56684.2022.00082	October	2022
30	Sciences-Mathematics & CST	Aparna Vyas & Hardeo Kumar Thakur	Russia Against the World Tweets Concept	Naman Gupta, Aparna Vyas, Hardeo Kumar Thakur	2022 Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT)	International	DOI: 10.1109/CCICT56684.2022.00035	October	2022
31	Sciences-Physics	Aditya Sharma	Synthesis, Electronic Structure and Magnetic Properties of FeCoGaO ₄ Nanoparticles	Aditya Sharma, Yogesh Kumar and Mayora Varshney	International Conference on Advanced materials for Societal Applications	International	Vol. 161, Page no 110476, October 2022	October	2022

32	CST	Sanjay Singh, Ankur Kumar Aggarwal	COVID 19: Identification of Masked Face using CNN Architecture	Sanjay Singh, Ankur Kumar Aggarwal, Ramesh P, Leema Nelson, P. Damodharan, M. Thurai Pandian	2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)	International	DOI: 10.1109/ICESC54411.2022.9885327	September	2022
33	CST	Hardeo Kumar Thakur	Forwarding Factor with Acknowledgement Routing Protocol for Opportunistic IoT Network	S P Ajith Kumar, Hardeo Kumar Thakur	2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)	International	DOI: 10.1109/ICESC54411.2022.9885527	September	2022
34	CST	Urmila Pilania, Sanjay Singh	Implementation of Image-Based Attendance System	Urmila Pilania, Sanjay Singh	2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)	International	DOI: 10.1109/ICESC54411.2022.9885713	September	2022
35	CST	Parneeta Dhaliwal	Applications of Blockchain Technology: A Review	Riya Sapra and Parneeta Dhaliwal	2022 Fourteenth International Conference on Contemporary Computing (IC3)	International	https://doi.org/10.1145/3549206.3549221	August	2022
36	CST	Alpana	Machine Learning Role in Cognitive Mental Health Analysis amid Covid-19 Crisis: A Critical Study	Riya Aggarwal, Nancy Girdhar, Alpana	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)	International	DOI: 10.1109/COM-IT-CON54601.2022.9850873	August	2022

37	CST	Mrinal Pandey, Sachin Lakra	Automated Disease Detection in Plant Images using Convolution Neural Network	Deepkiran, Laxman Singh, Mrinal Pandey, Sachin Lakra	2022 International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES)	International	DOI: 10.1109/CISES54857.2022.9844338	August	2022
38	CST	Manoj Kumar, Sanjay Singh, Urmila Palaria, Ankur Aggarwal	High-Security Registration Plate Detection using OpenCV and Python	Manoj Kumar, Sanjay Singh, Urmila Palaria, Ankur Aggarwal	2022 7th International Conference on Communication and Electronics Systems (ICCES)	International	DOI: 10.1109/ICCES54183.2022.9835830	July	2022

Annexure-3.3 Manav Rachna University, Faridabad										
RDC Cell										
No. of Patents (Filed+Published+Granted)										
S.No.	Name of Faculty	Deptt.	Title of the Patent	Name of All Inventors in sequence	Patent Application Filing Number	Date of Filing Patent	Date of Published	Date of Granted, if any	Patent Granted Number	Patent Details (Published / Filed / Granted)
Patents Filed with MRU Affiliations										
1	Charu Pathak, Piyush Charan & Joginder Singh	ECE/Mechanical	IoT Driven Sensor Network Alert System for Detection of Hydrogen Gas Leakage in Distribution Pipelines	Charu Pathak, Piyush Charan & Joginder Singh	202311039870 A	11.06.2023	-	-	-	Filed
2	Piyush Charan	ECE	Uranium Purification Device For Water	Sumit Saini, B. Deepan Kumar, Piyush Charan, Ajay Pandit Nikum, Vishal Tukaram Aparadh & Katakam Satyanarayana	387202-001	27.05.2023	-	-	-	Filed
3	Pradeep K. Varshney & Harsha Devnani	Sciences-Chemistry	A Method for Mitigating Corrosion Properties of Electrodes in Secondary Energy Storage Batteries	Pradeep K. Varshney, Harsha Devnani, Sandeep Srivastava, Deepti Ahuja & Priya Garg	202211060626	23.10.2022	-	-	-	Filed

4	Pradeep Kumar Mouria & Yogita Sharma	Mechanical/ Management & Commerce	Safety Glasses with Earbuds for Workers	Shweta Mongia, Vandana Ahuja, Pradeep Kumar Mouria, Himanshi Babbar, Ashima Saxena, Shivam Gaur, Yogita Sharma, Ankit Raj & Venkatesh Bharti	370592-001	09.09.2022	-	-	-	Filed
5	Priyanka Gupta, Hardeo Kumar Thakur & Pradeep K. Varshney	CST/Sciences-Chemistry	AI Based Vehicle Theft Prevention System	Drishti Uppal, Anish, Shivam Minz, Priyanka Gupta, Hardeo Kumar Thakur & Pradeep K. Varshney	202211051354	08.09.2022	-	-	-	Filed
Published Patents with MRU affiliations										
1	Pradeep K. Varshney & Meena Kapahi	Sciences-Chemistry	The Composition for Increasing Flame Longevity and Reducing Camphor Volatility	Pradeep K. Varshney, Meena Kapahi, Abhishek Basoya, Mukul Raghav & Chandvi Sharma	202111061475	29.12.2021	30.06.2023	-	-	Published

2	Meena Kapahi & Roopa Rani	Sciences-Chemistry	TEATEST	Meena Kapahi, Roopa Rani & Kashish Kohli	202111061579	29.12.2021	30.06.2023	-	-	Published
3	Yogita Khanna, Pradeep K. Varshney & J.P. Sharma	ECE Sciences-Chemistry Mechanical	Lead-Acid Battery Cell Reconfigurable Arrangement for Enhanced Battery Life	Yogita Khanna, Pradeep K. Varshney, Y.K. Awasthi, J.P. Sharma, Rudra Pratap & Aryan	202111061504	29.12.2021	30.06.2023	-	-	Published
4	Charu Pathak & Shruti Vashist	ECE	Refrigeration Automation System	Charu Pathak & Shruti Vashist	202111061566	29.12.2021	30.06.2023	-	-	Published
5	Priyanka Chadha	Management & Commerce	Safety Wrist Band	Priyanka Chadha, Gurbir, Heena, Swati, Ankit, Daisy, Laxmi & Rajat Gera and Venaktesh	361993-001	05.04.2022	23.06.2023	-	-	Published
6	Piyush Charan	ECE	Analysis and Management of Overload Protection of EV Batteries for Bringing Forth Environment Friendly	Anthati Sreenivasulu, M Pala Prasad Reddy, Piyush Charan, Jyoti Prasad Patra, Manasi Vyankatesh Ghamande, M Rambabu Roshan Kisan Bonde, Arul Kumar, Rashi Goswami,	202341036797	27.05.2023	16.06.2023	-	-	Published

				Anand Goswami & Maaz Allah Khan						
7	Anup Kushwaha	CST	Blind People's Intelligent System Based on IoT, AI, Machine Learning and Cloud Computing	Mahboob Alam, Pradeep Kumar, Tapas Kumar, Kaushal Kumar & Anup Kushwaha	202311022454 A	28.03.2023	19.05.2023	-	-	Published
8	Piyush Charan	ECE	Implementation of Artificial Intelligence Techniques through Machine Learning Algorithms for Cybercrime Detection	Neerav Nishant, Amit Shukla, Ojeshwar Pawan Sharma, Sinduja K, Vijayakumar E, R Vani, Abhishek Kajal, Piyush Charan, Adv. Isha Kajal, Amit Chauhan, Deepak Bansal, Masan Senthilkumar & Zohaib Hasan Khan	202311020458	23.03.2023	19.05.2023	-	-	Published

9	Maharaj Krishen Koul	Management & Commerce	Effective Transformation Technique and Solution with Principles of Supply Chain to Mitigate Carbon Emission	Jaideep Sharma, Chand Rashid, Ashish Kumar Singh, Ravi Kant Sharma, Reji John, Subrato Ganguly & Maharaj Krishen Koul	202311021917 A	27.03.2023	19.05.2023	-	-	Published
10	Ankita Gaur	Sciences- Mathematics	The Impact of using Automation is Transforming the Supply Chain Industry	Nita H Shah, Neelam Sharma, Praveen B.M, Ankita Gaur, Seema Agarwal & Ajay Singh Yadav	202321026411 A	09.04.2023	12.05.2023	-	-	Published
11	Piyush Charan	ECE	Machine Learning and Wireless Sensor Networks Based Approaches for Analysis Environment Pollution on Smart Cities	Jaidev Kumar, Syed Rehan, Piyush Charan, Vishal Kumar Vaidya, Jadhav Sudam Shivajirao & Srinivasa Rao	202311016337 A	11.03.2023	12.05.2023	-	-	Published
12	Yojna Arora	CST	Neural Network for Facial Detection using Deep Learning	Khushboo Tripathi, Yojna Arora, Swetta Kukreja, Anand Kumar Mishra, Amit Kumar Tyagi & Niladhuri Sreenath	202311025684	29.03.2023	04.04.2023	-	-	Published

13	Nitika	ECE	Driver Less Vehicle Controlled By Using Voice	Shimpy Goyal, Richa Malhotra, Gagandeep Kaur, Nitika, Neetu Settia, Shivani Duggal & Varsha Gupta	202311013974 A	02.03.2023	17.03.2023	-	-	Published
14	Sanjay Singh, Urmila Pilonia, Manoj Kumar, Anupriya Sharma & Narender Gautam	CST	Design System of NLP as Spelling Correction for Offline Handwritten Text Recognition Using Machine Learning	Sanjay Singh, Urmila Pilonia, Manoj Kumar, Anupriya Sharma & Narender Gautam	202341005220 A	25.01.2023	24.02.2023	-	-	Published
15	Mamta Arora	CST	Blockchain-Based Finance Tracking System and Method Thereof	Nidhi Tandon, Tapas Kumar & Mamta Arora	202311008208	08.02.2023	17.02.2023	-	-	Published
16	Manoj Kumar, Urmila Pilonia & Sanjay Singh	CST	Fractional-Order Polar Harmonic Transforms with Funk Singular Value Decomposition for Secure Image Watermarking Technique	Rohit Tanwar, Neha Nandal, Shailee Lohmor Choudhary, Manoj Kumar, Urmila Pilonia & Sanjay Singh	202341007288 A	05.02.2023	10.02.2023	-	-	Published

17	Ruchi Gupta	Sciences-Mathematics	A Kind of Multi-Dimensional Data Analytical System Based on Business Object	Ram Naresh Saraswat, Vinod Gill, Ruchi Gupta, Kirti & Mukesh Kumar Sahu	202311003702 A	11.01.2022	27.01.2023	-	-	Published
18	Vijay Kumar Gill & Chandni Maggo	ECE/CST	Multifunctional Power Bank	Anisha, Arko Bagchi, Vijay Kumar Gill & Chandni Maggo	202311000807	04.01.2023	13.01.2023	-	-	Published
19	Yogita Gupta & Priti Gupta	ECE/Sciences-Chemistry	Voice-Based Water Dispensing System and Method Thereof	Prerna Kakkar, Rajeev Kumar, Yogita Gupta & Priti Gupta	202311000810	04.01.2023	13.01.2023	-	-	Published
20	Jyoti Pruthi & Gianender	CST/Mechanical	Anti-Theft System for Vehicle and Method Thereof	Vinay, Simple Sharma, Jyoti Pruthi & Gianender	202311000809	04.01.2023	13.01.2023	-	-	Published
21	K. Deepa & Manpreet Kaur	ECE/CST	Internet of Things (IOT) Based intravenous (IV) Fluid Monitoring and Alerting System and Method	Pratima Manhas, Monika Garg, K. Deepa & Manpreet Kaur	202311000806	04.01.2023	13.01.2023	-	-	Published
22	Prinima Gupta & Susmita Ray	CST	Smart Identification and Transaction System and Method	Deepa Bura, Ramesh Chandra Sahoo, Prinima Gupta & Susmita Ray	202311000812	04.01.2023	13.01.2023	-	-	Published
23	Anshuman Sahai & Deepti Maikhuri	Sciences-Physics	Smart Disinfection Device and Method	Sarvesh Kumar, Pardeep Kumar, Anshuman	202311000811	04.01.2023	13.01.2023	-	-	Published

				Sahai & Deepti Maikhuri						
24	Shruti Vashist & Sachin Lakra	ECE/CST	Image Forgery Detection System and Method Thereof	Kritika Taneja, Tanvi Gupta, Shruti Vashist & Sachin Lakra	202311000808	04.01.2023	13.01.2023	-	-	Published
25	R. Girija	CST	Radio Frequency Identification (RFID) Based Travel Ticket Booking System and Method Thereof	Ashish Grover, Amrinder Kaur, R. Girija & Charu Jain	202311000813	04.01.2023	13.01.2023	-	-	Published
26	Shruti Vashist	ECE	IOT Based Traffic Monitoring Device	Shruti Vashist, Geeta Nijhawan, Parul Gandhi, Rajender, Savita Sindhu, Raj Kumar & Ritu	202311000200 A	02.01.2023	06.01.2023	-	-	Published
27	Shruti Vashist & Lokesh Bhardwaj	ECE	Automated System for Governing Traffic Lights	Geeta Nijhawan, Ashish Grover, Shruti Vashist & Lokesh Bhardwaj	202211075717	26.12.2022	06.01.2023	-	-	Published
28	Niharika Thakur & Yogita Gupta	ECE	Obstacle Detection System and Method	Amrinder Kaur, Amit Atri, Niharika Thakur & Yogita Gupta	202211075718	26.12.2022	06.01.2023	-	-	Published

29	Meena Kapahi & Priti Gupta	Sciences-Chemistry	Plant Soil Moisture Monitoring System and Method Thereof	Abhilasha Shourie, Vimlesh Singh, Meena Kapahi & Priti Gupta	202211075723	26.12.2022	06.01.2023	-	-	Published
30	K. Deepa & Vijay Kumar Gill	ECE	Intrusion Detection System and Method	Sushant, Richa Adlakha, K. Deepa & Vijay Kumar Gill	202211075714	26.12.2022	06.01.2023	-	-	Published
31	Piyush Mahendru & J. P. Sharma	Mechanical	System and Method for Monitoring Health and Fuel Usage of Vehicles	Devendra Vashist, Gurpreet Singh, Piyush Mahendru & J.P. Sharma	202211075722	26.12.2022	06.01.2023	-	-	Published
32	Shruti Vashist & Charu Pathak	ECE	Energy Monitoring System and Method	Anita Khosla, Dinesh Chawla, Shruti Vashist & Charu Pathak	202211075715	26.12.2022	06.01.2023	-	-	Published
33	K. Deepa	ECE	Smart Shopping Cart and Method of Enabling Shoppers to Self Checkout by Using the Same	Poonam Tanwar & K. Deepa	202211075721	26.12.2022	06.01.2023	-	-	Published
34	Meena Kapahi	Sciences-Chemistry	Wastewater Treatment System and Method	Sadiqa Abbas, Shagufta Jabin & Meena Kapahi	202211075724	26.12.2022	06.01.2023	-	-	Published

35	Prashant Bhardwaj & Joginder Singh	Mechanical	Pruning Apparatus and Method of Manufacturing the Same	Basanta Kumar Bhuyan, Rajender Kumar, Prashant Bhardwaj & Joginder Singh	202211075716	26.12.2022	06.01.2023	-	-	Published
36	Niharika Thakur & Bhanu P. Choudhry	ECE	Home Automation System and Method	Savita Sindhu, Shefali Singhal, Niharika Thakur & Bhanu P. Choudhry	202211075725	26.12.2022	06.01.2023	-	-	Published
37	Gianender & Ajit Katiyar	Mechanical	Water Heater Bottle	Nitin Kumar Waghmare, Seema Mahto, Gianender & Ajit Katiyar	202211075719	26.12.2022	06.01.2023	-	-	Published
38	Roopa Rani	Sciences-Chemistry	Water Health Monitoring System and Method Thereof	Sushant, Anupama Rajput & Roopa Rani	202211075726	26.12.2022	06.01.2023	-	-	Published
39	Jyoti Pruthi & Susmita Ray	CST	First Information Report Lodge and Assistance System and Method Thereof	Krishan Kumar, Neha Gadhok, Jyoti Pruthi & Susmita Ray	202211076379	28.12.2022	06.01.2023	-	-	Published

40	J. P. Sharma & Bhanu P. Choudhry	Mechanical/ECE	System and Method for Detecting an Open Window Glass of A Vehicle	Gurpreet Singh, Devendra Vashist, J. P. Sharma & Bhanu P. Choudhry	202211076376	28.12.2022	06.01.2023	-	-	Published
41	Nitika Munjal & Meenakshi Gupta	CST/ECE	System and Method for Generating Alerts Against Infectious Diseases	Jyoti Verma, Kanchan Bhardwaj, Nitika Munjal & Meenakshi Gupta	202211076380	28.12.2022	06.01.2023	-	-	Published
42	Manpreet Kaur & Chandni Maggo	CST	Security System for Bank Lockers and Method Thereof	Rachna Behl, Shobha Tyagi, Manpreet Kaur & Chandni Maggo	202211076374	28.12.2022	06.01.2023	-	-	Published
43	Parneeta Dhaliwal & Hanu Bhardwaj	CST	Smart Stand for Mobile Phones	Pronika, Geeta Nijhawan, Parneeta Dhaliwal & Hanu Bhardwaj	202211076378	28.12.2022	06.01.2023	-	-	Published
44	Ananna Bardhan & D.K. Sharma	Sciences-Physics	System and Method for Monitoring Air Quality	Yaman Hooda, Vishnu Raj, Ananna Bardhan & D.K. Sharma	202211076381 A	28.12.2022	06.01.2023	-	-	Published
45	R. Girija	CST	Intelligent and Portable Rain Water Harvesting Kit for Smart Gardens Based on Biconvlstm	Hukam Singh, R. Girija, Varun Kumar Gera, S.L. Jayalakshmi & S.L. Jothi Lakshmi	202211073374 A	18.12.2022	30.12.2022	-	-	Published

46	Shruti Vashist & Yogita Khanna	ECE	Automatic Wiping System and Method Thereof	Meeta Singh, Gurpreet Singh, Shruti Vashist & Yogita Khanna	202211069264	01.12.2022	30.12.2022	-	-	Published
47	Sachin Lakra & Manpreet Kaur	CST	Electronic Voting System and Method Thereof	Abhiruchi Passi, Pratima Manhas, Sachin Lakra & Manpreet Kaur	202211069265	01.12.2022	30.12.2022	-	-	Published
48	Niharika Thakur & Yogita Khanna	ECE	Automatic Wheelchair for Paralyzed Patients and Method of Controlling the Same	Manoj Nayak, Nitesh Malhotra, Niharika Thakur & Yogita Khanna	202211069266	01.12.2022	30.12.2022	-	-	Published
49	Vijay Gill & Lokesh Bhardwaj	ECE	Ticket Booking System Using Radio Frequency Identification (Rfid) and Method Thereof	Parul Gandhi, Vimlesh Singh, Vijay Gill & Lokesh Bhardwaj	202211069261	01.12.2022	30.12.2022	-	-	Published
50	Meenakshi Gupta & Bhanu Choudhary	ECE	Ultrasonic Blind Walking Stick	Charu Virmani, Irshad Ahmad, Meenakshi Gupta & Bhanu Choudhary	202211069263	01.12.2022	30.12.2022	-	-	Published
51	Agha Imran Hussain & Manoj Kumar	CST	Cancer Prediction System using Data Mining Techniques and Method Thereof	Tapas Kumar, Kanchan Bhardwaj, Agha Imran Hussain & Manoj Kumar	202211069262	01.12.2022	30.12.2022	-	-	Published

52	Joginder Singh & Ajit Katiyar	Mechanical	System and Method for Performing Multi-Agricultural Activities	Dain Thomas, Vimlesh Singh, Joginder Singh & Ajit Katiyar	202211072396	14.12.2022	30.12.2022	-	-	Published
53	Ajit Katiyar	Mechanical	Solar Power Generation System and Method Thereof	Dinesh Chawla, Ashish Grover, Ajit Katiyar & Jai Prakash Singh	202211072397	14.12.2022	30.12.2022	-	-	Published
54	Jyoti Pruthi & Manpreet Kaur	CST	Sound Enabled Polling Machine for Visually Challenged Voters and Method Thereof	Abhiruchi Passi, Manoj Nayak, Jyoti Pruthi & Manpreet Kaur	202211072393	14.12.2022	30.12.2022	-	-	Published
55	Hanu Bhardwaj & Susmita Ray	CST	Biometric Attendance System and Method Thereof	Shobha Tyagi, Vimlesh Singh, Hanu Bhardwaj & Susmita Ray	202211072398	14.12.2022	30.12.2022	-	-	Published
56	Chandni Magoo & Susmita Ray	CST	System and Method for Detecting Brain Related Diseases	Rashmi Rameshwari, Manisha Vashisht, Chandni Magoo & Susmita Ray	202211072394	14.12.2022	30.12.2022	-	-	Published
57	Joginder Singh	Mechanical	Solar Energy Powered Grass Cutting Machine and Method of Operating the Same	Manoj Nayak, Ashish Grover, Jai Prakash Singh & Joginder Singh	202211072395	14.12.2022	30.12.2022	-	-	Published

58	Yogita Gupta & Nitika Munjal	ECE/CST	Smart Mosquito Repellant Device	Abhiruchi Passi, Pratima Manhas, Yogita Gupta & Nitika Munjal	202211075713	26.12.2022	30.12.2022	-	-	Published
59	Yogita Gupta & Lokesh Bhardwaj	ECE	Internet of Things Based Refrigerator Door Monitoring System and Method Thereof	Pankaj Shakkarwal, Neha Chaudhary, Yogita Gupta & Lokesh Bhardwaj	202211075720	26.12.2022	30.12.2022	-	-	Published
60	Yogita Sharma & Khushboo Gulati	Management & Commerce	Classroom Participation Detection Device	Shweta Mongia, Vikas Chaudhary, Yogita Sharma, Khushboo Gulati, Ashima Saxena, Adarsh Pratap Singh, Anshul, Meenakshi Gujral & Rajat Gera	202211071433 A	11.12.2022	23.12.2022	-	-	Published
61	Meena Kapahi, B.M. Bahl	Sciences- Chemistry / Physics	Horizontzl Aerobic & Biodegradable Composting	Meena Kapahi & B.M. Bahl	317375-001	01.05.2019	23.12.2022	-	-	Published
62	Hanu Bhardwaj & Prinima Gupta	CST	System and Method for Product Identification for Visually Impaired Users	Tapas Kumar, Poonam Tanwar, Hanu Bhardwaj & Prinima Gupta	202211068867	30.11.2022	02.12.2022	-	-	Published

63	Chandni Maggo & Sachin Lakra	CST	Orange Fruit Recognition System Using Image Segmentation and Method Thereof	Neha Gupta, Indu Kashyap, Chandni Maggo & Sachin Lakra	202211068868	30.11.2022	02.12.2022	-	-	Published
64	Manpreet Kaur & Susmita Ray	CST	System and Method for Early Detection of Brain Tumor in Humans	Sabiha Imran, Sachin Sharma, Manpreet Kaur & Susmita Ray	202211068869	30.11.2022	02.12.2022	-	-	Published
65	Prinima Gupta & Manoj Kumar	CST	Blockchain-Based Cloud File-Sharing System and Method Thereof	Charu Virmani, Shobha Tyagi, Prinima Gupta & Manoj Kumar	202211068870	30.11.2022	02.12.2022	-	-	Published
66	Manoj Kumar & Agha Ram Hussain	CST	Position Based Attendance System and Method Thereof	Rosy Madan, Srishty Jindal, Manoj Kumar & Agha Ram Hussain	202211068871	30.11.2022	02.12.2022	-	-	Published
67	Susmita Ray & Chandni Maggo	CST	Medical Assistance System and Method of Generating Reminders Using the Same	Savita, Nitasha Soni, Susmita Ray & Chandni Maggo	202211068865	30.11.2022	02.12.2022	-	-	Published
68	Jyoti Pruthi & Prinima Gupta	CST	Display Board and Method of Displaying Notices on the Display Board	Arko Bagchi, Tanu Dua, Jyoti Pruthi & Prinima Gupta	202211068866	30.11.2022	02.12.2022	-	-	Published

69	Ankita Gaur	Sciences-Mathematics	Blockchain Model Using Performance Analysis for Supply Chain Management in Enhancing for Sustainable	Ajay Singh Yadav, Nitin Kumar, Rachna Agarwal, Ankita Gaur, Swati Bhatt, Pravesh, Anupam Swami, Navin Ahlawat, Ritvik Sharma & Unnati Sadh	202211062371 A	01.11.2022	04.11.2022	-	-	Published
70	Ajit & Priyanka Gupta	Mechanical CST	Fruit Harvesting Inchworm Robot	Ajit, Priyanka Gupta, S.N. Deepa, Rajakumar B.R. & Binu Dennis	202211057825	10.10.2022	28.10.2022	-	-	Published
71	Parneeta Dhaliwal	CST	Autonomous Blockchain Based System for Generation and Delivery of Photographic Aadhaar linked Birth Certificates	Riya Sapra, Shraddha Arora & Parneeta Dhaliwal	202211058422 A	12.10.2022	21.10.2022	-	-	Published
72	Sanjay Singh, Urmila Pilia & Manoj Kumar	CST	Design System of IoT Stress Level Identification in EEG Signal Using AI for Smart Healthcare	Satya Prakash Awasthi, Sanjay Singh, Urmila Pilia & Manoj Kumar	202241054051	21.09.2022	30.09.2022	-	-	Published

73	Sanjay Singh	CST	System and Design of Wind-Induced Pressure Prediction on Tall Buildings Using Machine Learning	Satya Prakash Awasthi, Damodharan Palaniappan & Sanjay Singh	202241049211	29.08.2022	09.09.2022			Published
74	Ankita Gaur	Sciences-Mathematics	Big Data and Machine Learning Based Approach for Wireless Network Resource Management	Senthil Kumar Kathiresan, Sri Hari Nallamala, Amit Singla, Vijendra Singh, Ankita Gaur & Ajay Singh Yadav	202241047440	20.08.2022	26.08.2022	-	-	Published
Granted Patents with MRU affiliations										
1	Piyush Charan	ECE	Wearable Health Monitoring Jacket	Rajan Ethiraj Ugandar, Pushpraj Singh Rajawa, Zohaib Hasan Khan, Piyush Charan, Arunkumar Thangavel & Mohd Ahmer	U.K Design Patent-6287661	03.06.2023	-	14.06.2023	U.K Design Patent-6287661	Registration of Design
2	Parul Jhahharia, Pragati Chauhan, Yogita Sharma & Pooja Kapoor	Management & Commerce	Exhaust Fan With Air Filter	arul Jhahharia, Pragati Chauhan, Yogita Sharma, Pooja Kapoor, Ashima Saxena & Priyanka Chadha &	365421-001	03.06.2022	-	12.05.2023	365421-001	Registration of Design

				Venkatesh Bharti						
3	Shalu	CST	A IoT Based Coagulation Analyzer	Shubhangi Pandurang Tidake, Rani Pandurang Tidake, Pritee Sagar Uttarwar, Shalu & Ramesh Chandra Panda	356093-001	03.01.2022	-	25.01.2023	356093-001	Registration of Design
4	Dr. Ajit Katiyar & Mr. Gianender Kajal	Mechanical	Solar Powered Sea Water Desalination Apparatus	Ajit Katiyar, Gianender Kajal, Pratibha Malik & Naveen Sharma	374692-001	27.11.2022	-	20.01.2023	374692-001	Registration of Design
5	Shalu Singh	CST	Artificial Intelligence Based Skin Cancer Inspection Device	Shalu, Neha Saini, Ramesh Chandra Panda & P Karthigeyan	348302-001	24.08.2021	-	09.12.2022	348302-001	Registration of Design
6	Shalu Singh	CST	An IOT Based Swirling Bath Shower System	Dinesh Singh, Shalu Singh, Purnendu Bikash Acharjee, Sushil Bhardwaj, Abinash Rath,	2022/03855	05.04.2022	-	26.08.2022	2022/03855	Registration of Design

				Tripti Rani Borah, Bhupaesh Ghai, Indu Sharma, Surbhi Sharma & Ramesh Chandra Panda						
7	Shalu Singh	CST	A Novel Cost Effective Home Gardening System	Jolly Masih, Abhishek Pandey, Abhay Singh Lodhi, Narendra Ranga, Tirthankar Datta, Gufran Ahmad Ansari, Dhanashri M. Tumme, Narinder Kumar, Manohar Golait, Meenakshi Awasthi, Mohd Ashaq, Shalu & Ramesh Chandra Panda	2022/04878	04.05.2022	-	27.07.2022	2022/04878	Granted

8	Shalu Singh	CST	Microcontroller Based Hydroponic System and Ultrasound Pump Control Apparatus	Ramesh Chandra Panda, Shalu, Poonam Dhiman, Neha Saini, R Venkata Simhadri, KVS AKHIL, Bheri kalyan Chakravarthy & B.Vasantha Lakshmi	348854-001	03.09.2021	-	08.07.2022	348854-001	Registration of Design
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Annexure-3.4 Manav Rachna University, Faridabad										
RDC Cell										
Details of Books / Chapters from July 2022 to June 2023										
S.No.	Name of faculty Members	Department	Authored Name/Editor	Type of Publication 1. Book 2. Book Chapter 3. Monograph 4. Case Study	Title	ISBN	Name of Publisher	Month of publication	Year of publication	
1	Piyush Charan	ECE	Dr. Piyush Charan & Dr. Sumita Chaturvedi	Book Chapter in Book: Entrepreneurship in The Modern World Perspective from Diverse Disciplines	The Role of Technology in Women Entrepreneurship: Legal Issues and Challenges for Gen-Z	978-81-19281-54-1	Shashwat Publication	June	2023	
2	Sudhish Kumar Shukla, Jaya Tuteja & Arpit Sand	Sciences-Chemistry	Vinayak Vandan Pathak, Sudhish Kumar Shukla, Jaya Tuteja, Anjali Garg, Bhawna Chhabra & Arpit Sand	Book Chapter in Book: Nanobiotechnology for Bioremediation Fundamentals and Mechanisms	Utility of Biogenic Nanomaterials for Rejuvenation of Heavy Metals	978-0-323-91767-4	Elsevier Science	June	2023	
3	Nibedita Hazarika, Kriti Dagar, Sharv Datt Anand	Education & Humanities	Neeraj Priya and Geeta Pathak	Book Chapter in Book Covid 19 Impacting Teaching-Learning Process: Issues, Threats & Opportunities	Losing the Humane Touch with Digital Media: A Critical review on the challenges of Digital Classrooms	979-88-90660-18-3	Notion Press	May	2023	
4	Khushboo Gulati	Management & Commerce	Soumya Singhal, Khushboo Gulati, Isha Chhabra	Book Chapter in Book: Perspectives on Blockchain Technology and Responsible Investing	Sustainability as a Catalyst of Financial Development	978-1-668-48361-9	IGI Global	May	2023	
5	Jitendra Pal Singh	Sciences-	Parmod Kumar,	Book	Defect-Induced	978-0-32-	Woodh	May	2023	

		Physics	Jitendra Pal Singh, Vinod Kumar		Magnetism in Oxide Semiconductors	390907-5	ead Publishing		
6	Aditya Sharma	Sciences-Physics	Aditya Sharma, Mayora Varshney, H.J. Shin, Keun Hwa Chae, Sung Ok Won	Book Chapter in Book: Defect-Induced Magnetism in Oxide Semiconductors	Magnetism in Disordered HfO ₂ Nanoparticles and Thin Films	978-0-32-390907-5	Woodhead Publishing	May	2023
7	Vinayak V. Pathak	Sciences-Chemistry	Richa Kothari, Kajol Gorla, Anu Bharti, Har Mohan Singh, Vinayak V. Pathak, Ashish Pathak, V.V. Tyagi	Book Chapter in Book: Sustainable Butanol Biofuels	Sustainable Development Goals (SDGs-7) for Bioeconomy with Bioenergy Sector	978-100-31-6540-8	CRC Press	April	2023
8	Arpit Sand & Jaya Tuteja	Sciences-Chemistry	Arpit Sand, Jaya Tuteja	Book	Lignin - Chemistry, Structure, and Application	978-1-83968-545-3	Intech Open	April	2023
9	Arpit Sand & Jaya Tuteja	Sciences-Chemistry	Arpit Sand, Jaya Tuteja	Book	Properties and Applications of Superabsorbent Polymers Smart Applications with Smart Polymers	978-981-99-1101-1	Springer Singapore	April	2023
10	Arpit Sand & Jaya Tuteja	Sciences-Chemistry	Yahya Bachra, Fouad Damiri, Mohammed Berrada, Jaya Tuteja & Arpit Sand	Book Chapter in Book: Properties and Applications of Superabsorbent Polymers Smart Applications with Smart Polymers	Introduction of Superabsorbent Polymers	978-981-99-1101-1	Springer Singapore	April	2023
11	Arpit Sand & Jaya Tuteja	Sciences-Chemistry	Fouad Damiri, Yahya Bachra, Mohammed Berrada, Jaya Tuteja & Arpit Sand	Book Chapter in Book: Properties and Applications of Superabsorbent	Future Challenges and Opportunities in the Field of	978-981-99-1101-1	Springer, Singapore	April	2023

				Polymers Smart Applications with Smart Polymers	Superabsorbent Polymers				
12	Jaya Tuteja & Aparna Vyas	Sciences- Chemistry & Mathematics	Jaya Tuteja & Aparna Vyas	Book Chapter in Book: Properties and Applications of Superabsorbent Polymers Smart Applications with Smart Polymers	Progressive Approach of SAPs in Disposable Hygiene Industry	978-981-99-1101-1	Springer, Singapore	April	2023
13	Jaya Tuteja & Arpit Sand	Sciences- Chemistry	Jaya Tuteja & Arpit Sand	Book Chapter in Book: Lignin - Chemistry, Structure, and Application	Introduction to Structure Properties and Application of Lignin	978-1-83968-545-3	Intech Open	April	2023
14	Jitendra Pal Singh	Sciences- Physics	Jitendra Pal Singh, Keun Hwa Chae, Ovidiu Florin Caltun	Book	Ferrite Nanostructured Magnetic Materials Technologies and Applications	978-0-12-823717-5	Woodhead Publishing	April	2023
15	Jitendra Pal Singh	Sciences- Physics	Ramesh Chandra Srivastava Amit Joshi, Jitendra Pal Singh, Shalendra Kumar	Book Chapter in Book: Ferrite Nanostructured Magnetic Materials Technologies and Applications	Mössbauer study of ferrite nanostructures	978-0-12-823717-5	Woodhead Publishing	April	2023
16	Aditya Sharma	Sciences- Physics	Aditya Sharma, Ksh. Devarani Devi, Weon C. Lim, Keun Hwa Chae	Book Chapter in Book: Ferrite Nanostructured Magnetic Materials Technologies and Applications	Ion Implantation in Ferrites	978-0-12-823717-5	Woodhead Publishing	April	2023
17	Subodh Saluja	Management & Commerce	Ajay Bhatia, Subodh Saluja	Book	Managing Career Crisis	978-9-390-12495-4	Namya Press	April	2023
18	Meena Kapahi & Roopa Rani	Sciences- Chemistry	Meena Kapahi, Roopa Rani, Ritika Choudhary, Nikita Thakkur	Book Chapter in Book: The Palgrave Handbook of Global	Water Resources: Crisis, Security	978-3-031-01948-7	Palgrave Macmillan	April	2023

				Sustainability	and Sustainability		lan Cham		
19	Piyush Charan	ECE	Zohaib Hasan Khan, Piyush Charan	Book Chapter in Book: Sustainable Environment, Manifestation and Augmentation	Work-From-Home Security Issues and Risk Over Internet	978-93-91303-45-7	Jupiter Publications Consortium (JPC)	March	2023
20	Smriti Mishra & Prashant Bhardwaj	Mechanical	Smriti Mishra, Prashant Bhardwaj, Neha Bhadauria & Prashant Vashishtha	Book Chapter in Book: Advances in Modelling and Optimization of Manufacturing and Industrial Systems	Reliability Prediction and Its Simulation for a Friction Stir Processing Tool	978-981-19-6106-9	Springer Nature, Singapore	March	2023
21	Jitendra Pal Singh	Sciences-Physics	Piyush Kumar, Ganeshlenin Kandasamy, Jitendra Pal Singh, Pawan Kumar Maurya	Book	Oxides for Medical Applications	978-0-323-90538-1	Elsevier	March	2023
22	Jitendra Pal Singh	Sciences-Physics	Piyush Kumar, Ganeshlenin Kandasamy, Jitendra Pal Singh, Pawan Kumar Maurya	Book Chapter in Book: Oxides for Medical Applications	Zinc Ferrite Nanoparticles and Their Biomedical Applications	978-0-323-90538-1	Elsevier	March	2023
23	Jaya Tuteja, Arpit Sand	Sciences-Chemistry	Jaya Tuteja, Arpit Sand	Book Chapter in Book: Nanobiotechnology for the Livestock Industry Animal Health and Nutrition	Role of Nanomedicine for Targeted Drug Delivery in Life-Threatening Diseases	978-0-323-98387-7	Elsevier	February	2023
24	Jaya Tuteja, Aparna Vyas & Arpit Sand	Sciences-Chemistry & Mathematics	Jaya Tuteja, Aparna Vyas & Arpit Sand	Book Chapter in Book: Nanotechnology for Drug Delivery and Pharmaceuticals	Utility of Nanomedicine and Nanocarriers for Noninfectious Disease	978-0-323-95325-2	Elsevier	February	2023

					Treatment				
25	Megha Bansal	Sciences-Chemistry	Megha Bansal	Book Chapter in Book: Handbook of Arsenic Toxicology	Integrated Approach to Testing and Assessment and Development in Arsenic Toxicology	978-0-323-89847-8	Academic Press	February	2023
26	Manmeet Bali Nag	Management & Commerce	Manmeet Bali Nag, Firdous Ahmad Malik	Book	Repatriation Management and Competency Transfer in a Culturally Dynamic World	978-981-19-7349-9	Springer Nature, Singapore	January	2023
27	Yogita Sharma	Management & Commerce	Dr. Yogita Sharma, Dr. Priya Goel	Book	Entrepreneurship Development	978-93-90762-23-1	Books Arcade	January	2023
28	R. Girija	CST	J. S. Thanga Purni, R. Vedhapriyavadhana, S. L. Jayalakshmi, R. Girija	Book Chapter in Book: Computer Vision and Machine Intelligence Paradigms for SDGs	High Performance Classifier for Brain Tumor Detection Using Capsule Neural Network	978-981-19-7169-3	Springer	January	2023
29	Vinayak V. Pathak	Sciences-Chemistry	Richa Kothari, Vinayak V. Pathak and V.V Tyagi	Book	Algal Biofuel Sustainable Solution	978-10-3242-545-0	CRC Press	December	2022
30	Dinesh Kumar Sharma, Ananna Bardhan & Vinayak V. Pathak	Sciences-Physics & Chemistry	Dinesh Kumar Sharma, Ananna Bardhan & Vinayak V. Pathak	Book Chapter in Book: Algal Biofuel Sustainable Solution	Role of Meteorological Parameters on Atmospheric Aerosols Concentration and Its Control Through	978-10-0336-323-1	CRC Press	December	2022

					Modern Biomass Application: Algal Biofuel				
31	Piyush Charan	ECE	Dr. Piyush Charan, Mr. NR Behera & Mr. Charanjeet Singh	Book	AIML	978-93-5625-585-2	Scientific International Publishing House	December	2022
32	S.K. Bose	Law	S.K. Bose	Book	Modern Legal English: A hand Book for Law Students	978-93-5737-413-2	Mindyour Publications	October	2022
33	Sampriti Phukan	Law	Sampriti Phukan	Book Chapter in Book: Digital Transformation Contemporary Times: A Panorama for Reshaping and Reimagining the Future	Digital Transformation -Boon or A Course	978-93-5545-098-2	Namya Press	September	2022
34	S.K. Bose	Law	S.K. Bose	Book Chapter in Book: Women Empowerment	Understanding Gender, Sex and Justice in a Progressive Society	978-93-92042-17-1	IQAC, Annamalai University, Tamilnadu	September	2022
35	Dr. Priyanka Chadha	Management & Commerce	Dr. Ashima Saxena Dr. Priyanka Chadha Mr. Shivam Gaur Dr. Ajay Bhatia	Book	Digital Transformation in Contemporary Times	978-93-5545-098-2	Namya Press	September	2022
36	Sampriti Phukan	Law	Sampriti Phukan	Book Chapter in Book: Dynamics of Corporate and Commercial Laws in a Globalised World	Sustainable Development	978-93-5574-258-2	Walnut Publication	July	2022

Annexure-3.5 Manav Rachna University, Faridabad						
RDC Cell						
Signed MOUs from July 2022 to June 2023						
S.No	Name & address of Organization	Areas of Collaboration	Name of the faculty members	Department	Year	Nature of MOU
1	KL Mehta Dayanand College for Women	Research & Innovation	Dr. Harsha Devnani	Sciences-Chemistry	2023	To be jointly collaborated in accordance with mutual interests in developing programs of academic and scholarly exchanges and for the purpose of establishing a long-term mutually beneficial association for research.
2	MENTORx	Research & Innovation	Dr. Yogita Sharma	Management & Commerce	2023	To be impart knowledge to enhance employability skills of the students and also to promote entrepreneurship & startup ecosystem in the region.
3	Atal Incubation Centre IIT Delhi Sonipat Innovation Foundation	Research & Innovation	Dr. Yogita Sharma	Management & Commerce	2022	To be jointly organized various activities related to development of Startups, Entrepreneurship and Innovation environment targeting grass root Innovators and Entrepreneurs.
4	Information and Library Network Centre	Research & Innovation	Dr. Mamta Kaushik	Library	2022	MoU defines responsibilities, liabilities and commitments of the universities/institutions involved to ensure proper implementation of the Shodh Chakra for its stakeholders.
5	Vivek International, Ballabgarh	Research & Innovation	Dr. Pradeep K. Varshney	Sciences-Chemistry	2022	For promoting research and scientific work related to Lead Acid batteries for household, automobiles and e-rickshaw

Annexure-3.6 Manav Rachna University, Faridabad						
Consultancy Project Details (2022-23)						
Name of the teacher consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Year	Consultancy amount generated (INR in Lakhs)	Date of Consultancy amount received	Financial Year
Dr. Urmila Pilania	Implementation of Software tools	Microworld Infosol Pvt. Ltd.	2022	2.7	29.08.2022	2022-23
Dr. Urmila Pilania	Identification of Right Configuration	Microworld Infosol Pvt. Ltd.	2022	2.3	29.08.2022	2022-23
Mr. Ram Chatterjee	Real-Time Remote Learning	ACRO Engineering Company	2022	0.75	02.09.2022	2022-23
Dr. Ranjana Jain	Software Upgradation	ACRO Engineering Company	2022	0.85	03.09.2022	2022-23
Dr. Deepti Thakral	Digital Marketing Issue	ACRO Engineering Company	2022	0.95	08.09.2022	2022-23
Dr. Sachin Lakra	Digital Marketing Security Risks	ACRO Engineering Company	2022	1.2	08.09.2022	2022-23
Dr. Sanjay Singh	Training on Unity for Game Development	ACRO Engineering Company	2022	1.25	08.09.2022	2022-23
Dr. Sanjay Singh	Scalability of Products	INSAT Engineering India Pvt. Ltd.	2022	0.6	08.09.2022	2022-23
Dr. Sanjay Kumar	Training on Printer usage and its associated problems	INSAT Engineering India Pvt. Ltd.	2022	0.8	08.09.2022	2022-23
Mr. Narendar Gautam	Seamless Device Integration	INSAT Engineering India Pvt. Ltd.	2022	1	09.09.2022	2022-23
Ms. Priyanka Gupta	Video Conferencing Issues	INSAT Engineering India Pvt. Ltd.	2022	1.1	09.09.2022	2022-23
Dr. Mrinal Pandey	Online Solutions to Resolve IT Assets	INSAT Engineering India Pvt. Ltd.	2022	1.5	09.09.2022	2022-23

Dr. Animesh Singh	Strategies of Effective Customer Friendly Services	R.S. Jhaveri Steels Pvt. Ltd.	2022	4.8	09.09.2022	2022-23
Dr. Rashi Banerjee	Market Based Growth Prospectes of Sales	R.S. Jhaveri Steels Pvt. Ltd.	2022	4.2	09.09.2022	2022-23
Dr. Shweta Goel	GEM Portal Training for Tenders	R.S. Jhaveri Steels Pvt. Ltd.	2022	4.2	14.09.2022	2022-23
Dr. Shweta Goel	Taxation Norms and Strategies for growth of the steel	R.S. Jhaveri Steels Pvt. Ltd.	2022	4.8	14.09.2022	2022-23
Dr. Shilpa Sharma	Surface Characteristics of Coated Polyester Fabric using different chemicals	Santosh Timber Trading Co.Ltd.	2023	0.85	23.03.2023	2022-23
Dr. Ekta Rawat	Staron solid surface for ANTI-MICROBIAL	Santosh Timber Trading Co.Ltd.	2023	0.8	23.03.2023	2022-23
Dr. C.P. Saini	Training on handling customer queries	Santosh Timber Trading Co.Ltd.	2023	0.9	23.03.2023	2022-23
Dr. G. S. Khera	Finance for non finance senior executives/Directors	Santosh Timber Trading Co.Ltd.	2023	0.65	23.03.2023	2022-23
Dr. Mamta Arora	Proactive IT support for employees	Santosh Timber Trading Co.Ltd.	2023	0.6	23.03.2023	2022-23
Dr. Deepti Thakral	ITnetics for customer support	Santosh Timber Trading Co.Ltd.	2023	0.6	23.03.2023	2022-23
		Total Amount (In Lakhs)		37.4		

Corporate Training Project Details

Manoj Kumar Dhasmana	Sports Coaching Activities	Kunskapsskolan Gurgaon	2022	6.2175		2022-23
Ombir Singh	Sports Coaching Activities	MRIS Mohali	2022	8.78		2022-23
Amit Nigam	Sports Coaching Activities	MRIS Sector-51 Noida	2022	3.36		2022-23
Mihir Mondal	Sports Coaching Activities	MRIS Sector-37, Faridabad	2022	5.16		2022-23
Dharmender Kumar	Sports Coaching Activities	MRIS Sector-21C, Faridabad	2022	3.08175		2022-23
Suman Sihag	Sports Coaching Activities	MRIS Sector-14, Faridabad	2022	11.43		2022-23

Abhishek Kashyap	Sports Coaching Activities	MRIS Sector-46, Faridabad	2022	8.964		2022-23
Sanjay Nagar	Sports Coaching Activities	MRIS Sector-51 Noida	2022	3.36		2022-23
Ravi Kant Nigam	Sports Coaching Activities	MRIS/KKG	2022	5.9675		2022-23
Yashika Goel	Staff Training & Development	Kunskapskol an Gurgaon	2022	7.95		2022-23
Ashwani Yadav	Staff Training & Development	MRIS Sector-14, Faridabad	2022	1.5		2022-23
Sanjeev Kumar	Staff Training & Development	MRIS Sector-21C, Faridabad	2022	0.75		2022-23
Govind Bisht	Staff Training & Development	MRIS Sector-37, Faridabad	2022	1.5		2022-23
Sarita Chauhan	Staff Training & Development	MRIS Sector-46, Faridabad	2022	1.5		2022-23
Deepika Chauhan	Staff Training & Development	Kunskapskol an Gurgaon	2022	1.5		2022-23
Parull Proch	Staff Training & Development	MRIS Sector-51 Noida	2022	5		2022-23
Sanket Agarwal	Staff Training & Development	MRIS Mohali	2022	2.55		2022-23
Abhishek Kashyap	Staff Training & Development	MRIS Sector-51 Gurgaon	2022	2.65		2022-23
Sanjay Nagar	Staff Training & Development	MRIS Sector-21C, Faridabad	2022	2.95		2022-23
Agam Talwar	Staff Training & Development	MRIS Sector-37, Faridabad	2022	6.35		2022-23
Narender Kumar	Staff Training & Development	MRIS Sector-46, Faridabad	2022	9.35		2022-23
Brijesh Singh Sehrawat	Staff Training & Development	MRIS Sector-14, Faridabad	2022	8.95		2022-23
Syed Razil Shamim	Sports Coaching Activities	MR International School-21C, Faridabad	2022	3.08175		2022-23
Parull Proch	Sports Coaching Activities	MR International School-14, Faridabad	2022	11.43		2022-23
Ashwani Yadav	Sports Coaching Activities	MR International School-46, Faridabad	2022	8.964		2022-23
Sanjeev Kumar	Sports Coaching Activities	MR International School-37, Faridabad	2022	5.16		2022-23
		Total Amount (In Lakhs)		137.46		

Annexure-3.7 Manav Rachna University, Faridabad						
RDC Cell						
Details of Funded Projects by Industry during 2022-23						
S.No.	Name of faculty members	Department	Title of Project	Sponsoring Agency	Amount (In lakhs)	Year
1	Dr. Jaya Tuteja	Sciences-Chemistry	Assessment of Biodiesel Using Heterogeneous Catalyst	Mohit Minerals Limited	0.8	2022-23
2	Dr. Megha Bansal	Sciences-Chemistry	Determination of Sun Protecting Factor (SPF)	Mohit Minerals Limited	0.8	2022-23
3	Dr. Ekta Rawat	Sciences-Chemistry	Synthesis and Characterization of Macrocyclic Complex and Transition Metals	Mohit Minerals Limited	0.8	2022-23
4	Dr. Shilpa Sharma	Sciences-Chemistry	Synthesis of Antimicrobial into thin films	Mohit Minerals Limited	1	2022-23
5	Dr. Vinayak V. Pathak	Sciences-Chemistry	Biodiesel Production using Heterogeneous Catalysts	Mohit Minerals Limited	0.8	2022-23
6	Dr. Meena Kapahi	Sciences-Chemistry	Parameters of DTU (AAQM Station), Delhi 2020	Mohit Minerals Limited	1	2022-23
7	Dr. Roopa Rani	Sciences-Chemistry	Detect Heavy Metal Content in Vegetables	Mohit Minerals Limited	1	2022-23
8	Dr. Arpit Sand	Sciences-Chemistry	Transformation and Mobility of Nano SiO ₂ and Nano-graphene in Soil Matrix	Mohit Minerals Limited	1	2022-23
9	Dr. Arpit Sand	Sciences-Chemistry	Transformation and Mobility of Fe oxide Nanoparticles in Soil	Mohit Minerals Limited	0.8	2022-23
10	Dr. Arpit Sand	Sciences-Chemistry	Solidification and Stabilization of Nanoparticles	Mohit Minerals Limited	1	2022-23
11	Dr. Arpit Sand	Sciences-Chemistry	Testing of Azodyes in Textiles	Mohit Minerals Limited	0.8	2022-23
12	Dr. Arpit Sand	Sciences-Chemistry	Synthesis and Characterization of Superabsorbent Polymers	Mohit Minerals Limited	0.8	2022-23
13	Dr. Pradeep K. Varshney	Sciences-Chemistry	Recovery of Lead from Waste Electrolytes of Waste Lead Acid Batteries (WLABS)	Mohit Minerals Limited	1	2022-23
14	Dr. Pradeep K. Varshney	Sciences-Chemistry	Nanoparticles for Waste Water Treatment	Mohit Minerals Limited	1	2022-23
15	Dr. Susmita Ray	CST	Service Now Tool	Mohit Minerals Limited	0.8	2022-23
16	Dr. Susmita Ray	CST	Student Management System	Mohit Minerals Limited	0.8	2022-23
17	Dr. Susmita Ray	CST	Plant Moisture Detection	Mohit Minerals Limited	0.8	2022-23
18	Dr. Susmita Ray	CST	Live Crypto Currency Trading Bot	Mohit Minerals Limited	0.8	2022-23

19	Dr. Susmita Ray	CST	Bi-directional Synchronization Account-Sales force Mulesoft any point Platform	Mohit Minerals Limited	1	2022-23
20	Dr. Susmita Ray	CST	Pythion Automation Project	Mohit Minerals Limited	1	2022-23
21	Dr. Susmita Ray	CST	Cross Fraud Maintenance	Mohit Minerals Limited	0.8	2022-23
22	Dr. Susmita Ray	CST	Weather Monitoring System	Mohit Minerals Limited	1	2022-23
23	Dr. Susmita Ray	CST	Agile Project Swag Labs Test Automation	Mohit Minerals Limited	0.8	2022-23
24	Ms. Gunjan Chandwani	CST	Voice Recognition System for Desktop	Mohit Minerals Limited	1	2022-23
25	Ms. Gunjan Chandwani	CST	Cybersecurity on Cloud	Mohit Minerals Limited	1	2022-23
26	Ms. Gunjan Chandwani	CST	Hospital Management	Mohit Minerals Limited	1	2022-23
27	Dr. Hardeo Kumar Thakur	CST	Mental Health of Patients during Covid	Mohit Minerals Limited	1	2022-23
28	Dr. Hardeo Kumar Thakur	CST	Handheld Body Massager Gun Analysis	Mohit Minerals Limited	1.2	2022-23
29	Dr. Parneeta Dhaliwal	CST	Door to Door Ecom App	Mohit Minerals Limited	1	2022-23
30	Dr. Parneeta Dhaliwal	CST	Happy Lifters Fitness App	Mohit Minerals Limited	1	2022-23
31	Dr. Parneeta Dhaliwal	CST	Kong API Gateway	Mohit Minerals Limited	1	2022-23
32	Dr. Parneeta Dhaliwal	CST	Zoo Animal Maintenance Request	Mohit Minerals Limited	0.8	2022-23
33	Mr. Narender Gautam	CST	Book Reading Event	Mohit Minerals Limited	1	2022-23
34	Mr. Narender Gautam	CST	Angular Java	Mohit Minerals Limited	1	2022-23
35	Mr. Narender Gautam	CST	Yoga Community Building	Mohit Minerals Limited	1	2022-23
36	Mr. Narender Gautam	CST	Customer Relationship Management	Mohit Minerals Limited	1	2022-23
37	Mr. Narender Gautam	CST	Extraction of Google Maps and Relevant Images Embedded within a page to get Geographic Coordinates with BigDataCloud API	Mohit Minerals Limited	1.2	2022-23
38	Dr. Prinima Gupta	CST	Blog Application using Django	Mohit Minerals Limited	1	2022-23
39	Dr. Prinima Gupta	CST	Wall Board Agent Desktop	Mohit Minerals Limited	0.8	2022-23
40	Dr. Prinima Gupta	CST	Fashionshop E-Commerce Website	Mohit Minerals Limited	0.8	2022-23
41	Dr. Prinima Gupta	CST	Automated Bank Account Management	Mohit Minerals Limited	1	2022-23
42	Dr. Prinima Gupta	CST	Employee Attendance Management System using QR Scan	Mohit Minerals Limited	1	2022-23

43	Dr. Sachin Lakra	CST	Begig Mobile App for Freelancers	Mohit Minerals Limited	1	2022-23
44	Dr. Sachin Lakra	CST	Email Automation using Python	Mohit Minerals Limited	1.2	2022-23
45	Dr. Sachin Lakra	CST	Testing for Website for Foresight Project	Mohit Minerals Limited	1.2	2022-23
46	Dr. Sachin Lakra	CST	Temperature and Humidity Monitor for Crop Storage	Mohit Minerals Limited	1.2	2022-23
47	Dr. Sachin Lakra	CST	Food Order Website	Mohit Minerals Limited	1.2	2022-23
48	Dr. Urmila Pilania	CST	Youtube Data Analysis	Mohit Minerals Limited	1	2022-23
49	Dr. Urmila Pilania	CST	Web Developer	Mohit Minerals Limited	1	2022-23
50	Dr. Urmila Pilania	CST	Real Chat Web Application	Mohit Minerals Limited	1	2022-23
51	Dr. Urmila Pilania	CST	Java Developer	Mohit Minerals Limited	0.8	2022-23
52	Dr. Urmila Pilania	CST	College Management using Python	Mohit Minerals Limited	1	2022-23
53	Dr. Urmila Pilania	CST	Chemist Website	Mohit Minerals Limited	0.8	2022-23
54	Dr. Urmila Pilania	CST	Chat Application	Mohit Minerals Limited	1	2022-23
55	Dr. Urmila Pilania	CST	Web Application Development	Mohit Minerals Limited	1	2022-23
56	Dr. Urmila Pilania	CST	Security Threat Modeling of Industrial Network	Mohit Minerals Limited	0.8	2022-23
57	Dr. Urmila Pilania	CST	Android App Vaccination	Mohit Minerals Limited	1	2022-23
58	Mr. Agha Imran Hussain	CST	Bluetooth RC Controller	Mohit Minerals Limited	1	2022-23
59	Mr. Ram Chatterjee	CST	Blood Cell Classification	Mohit Minerals Limited	1	2022-23
60	Mr. Ram Chatterjee	CST	Data Analysis Implementation and Adoption on FMCG Sector	Mohit Minerals Limited	1	2022-23
61	Mr. Ram Chatterjee	CST	Data Support Engineer	Mohit Minerals Limited	1	2022-23
62	Mr. Ram Chatterjee	CST	Aviation Performance Evaluation	Mohit Minerals Limited	1	2022-23
63	Mr. Ram Chatterjee	CST	Airline on time Performance	Mohit Minerals Limited	1	2022-23
64	Mr. Ram Chatterjee	CST	Key Value Store and Distributed Database Encryption	Mohit Minerals Limited	0.8	2022-23
65	Mr. Ram Chatterjee	CST	Mapping of Patented Claims against Infringing Products	Mohit Minerals Limited	1	2022-23
66	Mr. Agha Imran Hussain	CST	Fair Lending Analytics	Mohit Minerals Limited	0.8	2022-23
67	Mr. Agha Imran	CST	Intelligent Process Automation	Mohit Minerals Limited	0.8	2022-23

	Hussain					
68	Mr. Agha Imran Hussain	CST	Website Design & Project Management	Mohit Minerals Limited	1	2022-23
69	Mr. Agha Imran Hussain	CST	Account Opening - Implementing Business Solution	Mohit Minerals Limited	1	2022-23
70	Mr. Narender Gautam	CST	Financial Consumer Compliant Dashboard	Mohit Minerals Limited	1	2022-23
71	Ms. Simran Singh	Law	Third party funding In International Arbitration : A comparative study between India and Singapore	Mohit Minerals Limited	0.8	2022-23
72	Dr. Shaharyar Asaf Khan	Law	Insurance Business in India: Legal & Policy Issues	Mohit Minerals Limited	0.8	2022-23
73	Mr. Shivam Gaur	Law	Applicability of Indian Evidence Act in Arbitral Proceedings	Mohit Minerals Limited	0.8	2022-23
74	Ms. Asmita Patel	Law	Anti-Competitive Agreements under Competition Law in India and Competition Law enforcement different countries of the world- comparative analysis	Mohit Minerals Limited	0.8	2022-23
				Total Amount (In Lakhs)	70	

Annexure-3.7 Manav Rachna University, Faridabad						
RDC Cell						
Details of Funded Projects by Government Agencies during 2022-23						
S.No.	Name of faculty members	Deptt. Name	Title of Project	Sponsoring Agency	Amount (In Lakhs)	Year
1	Dr. Mrinal Pandey (PI) Dr. Mamta Arora (Co-PI) Dr. Riya Sapra (Co-PI) Mr. Sohaib Siddiqui (Co-PI)	CST-MRU CST-MRU The North Cap University	Medical Insurance Claim Settlement using Blockchain Technology	IIT Bhilai Innovation and Technology Foundation (IBITF)	31.96	2022-23
2	Dr. Aditya Sharma (PI) Dr. Shiv Kumar (Co-PI)	Sciences-Physics	Development and Testing of Ion Implantation Induced Modified Charges Transport Layers in Lead deficient Perovkite Solar Cells for enhancing the efficiency/stability and reducing the toxicity	Haryana State Council for Science, Innovation and Technology, Haryana	18.25	2022-23
3	Dr. Jitendra Pal Singh (Ramanujan Fellow/PI)	Sciences-Physics	Development of Garnet Structured Electrolyte Based Li-Rechargeable Thin Film Batteries for High Energy Applications	Science & Engineering Research Board (SERB)	119	2022-23
				Total	169.21	

Annexure-3.8 Manav Rachna University, Faridabad										
RDC Cell										
No. of start-ups incubated (2022-23)										
S. No.	Name of the start up	Nature of start up	Type of Innovation	Year of commencement	LLP Identification No.	Contact information of promoters	Mentors Name	Amounts Provided to Start-ups	Funding Received from	Status
1	Ratiram Limbs	Nearly 190 million individuals worldwide have some form of physical disability, and we believe that if we could make a difference, why not. We are attempting to create a wearable robotic arm that is controlled by brain waves for people with special needs in order to assist them with their everyday activities and foster a sense of independence.	Product Innovation	2022	-	Drishti Uppal-CST 2nd year AIML Lakshay:CST 1st year Hardware Shivam Minz: CST 4th year Hardware Joy Khaneja: CST 1st year AIML	Dr. Parneeta Dhaliwal Ms. Priyanka Gupta	250000	NewGen IEDC, MRIIC	Ongoing
2	Modular Batteries	Modular Batteries are scrapped now a day if only one cell is damaged and there is no method through which a user can find which cell is not working properly. Modular batteries are used in various sectors such as household, automotive sector, etc. For this, we propose a solution that each cell in a battery	Product Innovation	2022	-	Rudra Nand Sahu-ECE 5th Sem. (2K20ECUN03001)	Dr. Pradeep K. Varshney Dr. Yogita Gupta Mr. J.P. Sharma	250000	NewGen IEDC, MRIIC	Ongoing

		pack should be used in a modular manner. A circuit was also developed through which we can monitor the health of each cell and its usage. In such a way we can minimize the wastage of the whole battery when scrapped and also end user can identify the weak cell and replace it on its own. Through this, we also for increasing the shelf life of a battery pack.								
3	Contract Farming	A secure mobile app for Android and iOS devices, would bridge the Gap between the land owner (contractee) and the contractor (contractor) for contract farming. The app would be in Hindi and English . Provides info about of type of soil and type of crop best to be grown. Information about State Govt. schemes. Legal advice on basic land issues.	Product Innovation	2022	-	Tejas-AIML 2nd Year student	Dr. Parneeta Dhaliwal Ms. Priyanka Gupta	250000	NewGen IED C, MRI IC	Discontinued

Annexure 4.1 (a)					
Summer Trainings (Internship)					
School of Law					
S.No	Department	Roll Number	Name	Industry Name	Stipend (If any)
1	LAW	2K20LWUN01002	Aditya Verma	MOHIT & ASSOCIATES Advocates	NA
2	LAW	2K20LWUN01003	Adnan Khan	FALAK MOHAMMAD MEO & ASSOCIATES ADVOCATES	NA
3	LAW	2K20LWUN01006	Anurag Singh	Akarsh Garg Advocate	NA
4	LAW	2K20LWUN01007	Anushka Sahai	B & S Law Associates	NA
5	LAW	2K20LWUN01008	Deepu P J	S.P. Sharma Advocate	NA
6	LAW	2K20LWUN01009	Dev	Deepak Gera & Co. Advocates	NA
7	LAW	2K20LWUN01010	Digamber Phagna	Rajpal Kasana Advocate, Member of Bar Council of Delhi	NA
8	LAW	2K20LWUN01011	Diya Sharma	S. Wasim A. Qadri Advocate	NA
9	LAW	2K20LWUN01012	Diya Singh	Deepak Gera & Co. Advocates	NA
10	LAW	2K20LWUN01013	Gaurav Sharma	Vikrant Chaudhary Advocate & Solicitor	NA
11	LAW	2K20LWUN01014	Hardik Bhardwaj	Deepak Gera & Co. Advocates	NA
12	LAW	2K20LWUN01016	Hiren Tewatia	Anil Parashar & Associates	NA
13	LAW	2K20LWUN01018	Karan Choudhary	Rajesj Kumar kohli Advocate	NA
14	LAW	2K20LWUN01019	Krishna Gopal	Deepak Gera & Co. Advocates	NA
15	LAW	2K20LWUN01020	Manjit Singh	Satish Kumar Dala Advocate	NA
16	LAW	2K20LWUN01021	Mohammad Ayan	Deepak Gera & Co. Advocates	NA
17	LAW	2K20LWUN01022	Mohit Sharma	Shri Ram Law Associates Advocates & Legal Consultants	NA
18	LAW	2K20LWUN01023	Namanjay Chaudhary	JNSS Legal Cell	NA
19	LAW	2K20LWUN01024	Neha Kumari	The Shri Ram Associates	NA
20	LAW	2K20LWUN01026	Rohit Singh	Mohit & Associates	NA
21	LAW	2K20LWUN01028	Sakshi Jain	HMJ TARA V. GANJU, under a HC judge	NA
22	LAW	2K20LWUN01029	Sanjoli Sharma	Bharti Bhatt Advocate	NA
23	LAW	2K20LWUN01031	Shristi	Naveen Arya Advocate	NA
24	LAW	2K20LWUN01032	Shruti Kumari	HSA Advocate	NA
25	LAW	2K20LWUN01033	Shubham	Deepak Gera & Co. Advocates	NA
26	LAW	2K20LWUN01034	Sudipto Bhattacharya	Corporate Professionals	NA
27	LAW	2K20LWUN01035	Sumit Samaniya	Dr. Subodh K. Yadav	NA
28	LAW	2K20LWUN01036	Tanya Yadav	The Shri Ram Associates	NA
29	LAW	2K20LWUN01038	Utkarsh Baisla	Deepak Gera & Co. Advocates	NA
30	LAW	2K20LWUN01040	Vikas Chandra	Bharti Bhatt Advocate	NA
31	LAW	2K20LWUN01042	Vishav Bhati	Rajpal Kasana Advocate	NA
32	LAW	2K20LWUN01043	Yash Sharma	Ashok Kumar Advocate	NA
33	LAW	2K20LWUN01044	Yash Singh	Deepak Gera & Co. Advocate	NA
34	LAW	2K20LWUN01045	Yash Vashishta	Legal Consults Advocates & Consultants	NA
35	LAW	2K20LWUN02001	Guruansh Jagwani	Dinesh Kumar Advocate	NA
36	LAW	2K20LWUN02002	Nakul Kumar Choudhary	Nirdesh Bidhuri Advocate	NA
37	LAW	2K20LWUN02003	Anikate Kumar	Omaxe	NA
38	LAW	2K20LWUN02004	Shanul Singh	Deepanshi Singhal & Associates	NA

39	LAW	2K20LWUN02005	Punit Singla	Dinesh Kumar Advocate	NA
40	LAW	2K20LWUN02006	Vaibhav Mittal	KBC Associates Advocates	NA
41	LAW	2K20LWUN02008	Prateek Tongar	Dinesh Kumar Advocate	NA
42	LAW	2K20LWUN02009	Payal	S.Wasim A.Qadri Advocate	NA
43	LAW	2K20LWUN02010	Priyanshi Thapliyal	Jyoti Jha Advocate	NA
44	LAW	2K20LWUN02011	Sahil Chawla	Deepak Nagpal Advocate	NA
45	LAW	2K20LWUN02013	Ayush	Keshav Yadav Advocate	NA
46	LAW	2K20LWUN02014	Sameer Gola	Gajraj Bhadana Advocate	NA
47	LAW	2K20LWUN02015	Narayani Gupta	Manoj Kumar Jha Advoate	NA
48	LAW	2K20LWUN02016	Bhavya Agrawal	Deepanshi Singhal & Associates	NA
49	LAW	2K20LWUN02017	Ritika Priyadarsini	Acara Law LLP	NA
50	LAW	2K20LWUN02018	Narayan Sharma	Deepak Nagpal Advocate	NA
51	LAW	2K20LWUN02019	Anshika Aggarwal	Rajesh Khanna Advocate	NA
52	LAW	2K22LWUM02001	Jayati Khatter	Dr Pradeep Rai Senior Advocate	NA
53	LAW	2K20LWUN03001	Vaibhav Bhardwaj	Keshav Yadav Advocate	NA
54	LAW	2K20LWUN03002	Aditya Gupta	Rajeev Kr. Chauhan Advocate	NA
55	LAW	2K20LWUN03003	Sourav	Gajraj Bhadana Advocate	NA
56	LAW	2K20LWUN03006	Lokik Hasija	Deepak Nagpal Advocate	NA
57	LAW	2K19LWUN01001	Abhay Gupta	Hindustan Power	NA
58	LAW	2K19LWUN01005	Aman Rathi	Adv. Jasmine Damkewala	NA
59	LAW	2K19LWUN01009	Charu Saxena	Adlakha & Associates	NA
60	LAW	2K19LWUN01011	Dev Chechi	Deepak Gahlawat & Associates	NA
61	LAW	2K19LWUN01013	Disha Baghel	Adv. Abhiprav Singh	NA
62	LAW	2K19LWUN01017	Gitul Sharma	Amit Budhiraja	NA
63	LAW	2K19LWUN01020	Ishika Goel	Adv. Jasmeet Singh	NA
64	LAW	2K19LWUN01022	Khushi Sharma	Adv. Ali Muzaffar	NA
65	LAW	2K19LWUN01023	Khushi Basoya	Adv. Manjit Saini	NA
66	LAW	2K19LWUN01025	Kunal	Naveen Kumar & Associates	NA
67	LAW	2K19LWUN01027	Lovish Verma	Adv R.P. Verma	NA
68	LAW	2K19LWUN01028	Manan Rawal	Adv. Bhupinder Mehtani	NA
69	LAW	2K19LWUN01029	Mayank Sharma	Arora & Arora	NA
70	LAW	2K19LWUN01029	Mayank Sharma	T. Priyadarshini	NA
71	LAW	2K19LWUN01030	Milind Singh	Adv Manjit Saini	NA
72	LAW	2K19LWUN01032	Mukul Chokan	Sudhir Chaprana	NA
73	LAW	2K19LWUN01033	Namrata Chauhan	M.R. Singh Sisodia & co.	NA
74	LAW	2k19LWUN01034	Nida	D.V. Singh & Co.	NA
75	LAW	2K19LWUN01035	Nikita Dhankar	Adv. Jitender Singh	NA
76	LAW	2K19LWUN01036	Pooja Kashyap	A.P. Singh Sisodia & co.	NA
77	LAW	2K19LWUN01037	Prajwal Jaiswal	Adv Prashant Misra	NA
78	LAW	2K19LWUN01040	Prateek Singh	Adv Keshav Yadav	NA
79	LAW	2K19LWUN01041	Priyanka Walter	IFFCO-TOKIO	NA
80	LAW	2K19LWUN01042	Priyanshu Kasana	Naveen Kumar & Associates	NA
81	LAW	2K19LWUN01043	Rahul Gugnani	Satya Paul Gupta-Vishal Gupta	NA
82	LAW	2K19LWUN01045	Sakshi Sharma	Right Path Legals	NA
83	LAW	2K19LWUN01047	Siddharth Bhattacharya	Plan & sowe consultancy pvt ltd	NA
84	LAW	2K19LWUN01048	Simran Sobti	Right Path Legals	NA
85	LAW	2K19LWUN01050	Sushant Mishra	Dr Pradeep Rai	NA
86	LAW	2K19LWUN01051	Tanya Khanagwal	Naveen Kumar & Associates	NA
87	LAW	2K19LWUN01053	Tulsi Lohiya	Naveen Kumar & Associates	NA
88	LAW	2K19LWUN01055	Urvashi Jerath	Rahul Yadav	NA
89	LAW	2K19LWUN01057	Vivek Kholwal	Jitender Tyagi & Associates	NA

90	LAW	2K19LWUN01058	Yaman Choudhary	Sudhir Chaprana	NA
91	LAW	2K19LWUN01060	Yati Yadav	Sushil Ahlawat	NA
92	LAW	2K19LWUN02001	Aakash Dang	Ajay Sharma	NA
93	LAW	2K19LWUN02002	Aayush Gupta	Dr Pradeep Rai	NA
94	LAW	2K19LWUN02004	Ankit Baisla	Naveen Arya	NA
95	LAW	2K19LWUN02005	Anshu Janmeda	Vikrant Choudhary	NA
96	LAW	2K19LWUN02006	Chharvi Grover	Amikus Law LLP	NA
97	LAW	2K19LWUN02007	Chitrarth Ahuja	Ajay Sharma	NA
98	LAW	2K19LWUN02009	Harsh Sehwat	Bharat Singh Mehra	NA
99	LAW	2K19LWUN02010	Kartik Choudhary	Right Path Legals	NA
100	LAW	2K19LWUN02013	Prachi Chaurasiya	Vikrant Choudhary	NA
101	LAW	2K19LWUN02014	Pragya Choudhri	Yogesh Pachauri & Associates	NA
102	LAW	2K19LWUN02015	Preeti	Kalpna Gehlaut & Associates	NA
103	LAW	2K19LWUN02017	Rishab Tyagi	Ajeet.S.Choudhary	NA
104	LAW	2K19LWUN02021	Snigdha Kiran	Ajay Sharma	NA
105	LAW	2K19LWUN02022	Soni Gupta	Right Path Legals	NA
106	LAW	2K19LWUN02023	Srishti Dagar	KR. N.S. Bhati& Associates	NA
107	LAW	2K19LWUN02024	Vivek Rajput	Right Path Legals	NA
108	LAW	2K19LWUN02025	Yashika Malhotra	D.V. Singh & Co.	NA
109	LAW	2K19LWUN02028	Kartikaya Dalal	Ajay Sharma	NA
110	LAW	2K19LWUN03001	Diksha Bansal	Adv Sanjay Aggarwal	NA
111	LAW	2K19LWUN03003	Sachin Kumar Singh	M.S. Sisodia &Co.	NA
112	LAW	2K19LWUN03004	Shivam Kain	Sushil Kaushik	NA
113	LAW	2K19LWUN03005	Shrishti Bangwal	Adv. Sandeep Sharma	NA
114	LAW	2K19LWUN03006	Rahul Bareth	Adv Gajendra Sharma	NA
115	LAW	2K20LWUM02001	Neha Gupta	Omaxe Ltd	NA
116	LAW	2K20LWUM01001	Nakul Rawat	KR. N.S. Bhati& Associates	NA
117	LAW	2K21LWUN01001	Aayush Parihar	ADVOCATE KUNAL BESOYA & ASSOCIATES	NA
118	LAW	2K21LWUN01003	Aishwarya Sareen	Rohini District Court	NA
119	LAW	2K21LWUN01009	Anushka	CIVIL COURT JEHANABAD (BIHAR)	NA
120	LAW	2K21LWUN01010	Arman Bhunkal	manish Verma and advocates	NA
121	LAW	2K21LWUN02006	Balaj Iqbal	Jasmine Damkewala and Associates	NA
122	LAW	2K21LWUN02005	Bhumika Arora	Ravi Gakhar law office	NA
123	LAW	2K21LWUN01011	Chandrasekhar Bainsla	KISHAN NAUTIYAL ASSOCIATES	NA
124	LAW	2K21LWUN01012	Charvi Kathuria	Tabhish Sarosh & Associates	NA
125	LAW	2K21LWUN01013	Dev Panwar	Gopi Tandon & Associates	NA
126	LAW	2K21LWUN01015	Dharmesh Kumar	Legal Navigation	NA
127	LAW	2K21LWUN01016	Drishti Ahuja	Adv. Uttpal Chaudhary	NA
128	LAW	2K21LWUN01018	Ishan Solanki	Rajesh singh and associates	NA
129	LAW	2k21WUN01020	Jatin Tanwar	Advocate Neeraj kumar	NA
130	LAW	2K21LWUN01021	Karishma Goyal	J.K. Gupta Advocates	NA
131	LAW	2K21LWUN01022	Kashish Verma	Manish Verma and advocates.	NA
132	LAW	2K21LWUN01023	Keshav Verma	JOGINDER SINGH YADHUVANSHI ADVOCATE	NA
133	LAW	2k21LWUN01025	Kunal Rathi	Tyagi associates	NA
134	LAW	2K21LWUN01028	Manikaa Malhotra	Jaya Tomar	NA
135	LAW	2k21LWUN01030	Mayank Choudhary	Beacon law firm	NA
136	LAW	2K21LWUN01031	Mohd Rubnish	K & Co. Advocates & Legal	NA

			Hussain	Consultants	
137	LAW	2K21LWUN01032	Paras	D-COP	NA
138	LAW	2k21LWUN01033	Pratha Sharma	Sri Ram Law Associates	NA
139	LAW	2K21LWUN01036	Riya Suri	Independent lawyer	NA
140	LAW	2K21LWUN01037	Saima Shrotriya	Mahesh kumar	NA
141	LAW	2k21lwun01039	Shaswat Yadav	Civil court	NA
142	LAW	2K21LWUN01040	Shruti Nair	Jasmine Damkewala Law Firm	NA
143	LAW	2K21LWUN01041	Shubham Choudhary	Saket coourt	NA
144	LAW	2K21LWUN01043	Sumit Kr Jodder	AGR Law Chambers	NA
145	LAW	2K21LWUN01044	Vansh Ralhan	ADVOCATE KUNAL BESOYA & ASSOCIATES	NA
146	LAW	2K21LWUN02002	Amritansh Bansal	PSL Advocates and Solicitors	NA
147	LAW	2K21LWUN02003	Ananya Arora	RP VERMA & Associates	NA
148	LAW	2K21LWUN02005	Ashish	Independent lawyer	NA
149	LAW	2k21LWUN02008	Chirag Ambawata	Vishal Bansal Advocates and Solicitors	NA
150	LAW	2K21LWUN02009	Deepanshu Bhati	Gaur Association	NA
151	LAW	2K21LWUN02010	Garvit	Sector 12 District Court Faridabad	NA
152	LAW	2K21LWUN02012	Harsh Goyal	ADVOCATE KUNAL BESOYA & ASSOCIATES	NA
153	LAW	2K21LWUN02013	Himanshu Saini	Depender Kumar	NA
154	LAW	2K21LWUN02014	Jonty Chaprana	Advocate Amit Kumar	NA
155	LAW	2K21LWUN02018	Plakshi Gupta	Shashi kant singh	NA
156	LAW	2K21LWUN02019	Praveen Kumar	Vivek shokeen & Associates	NA
157	LAW	2K21LWUN02020	Rashi Sharma	CHAMBER NO. 307, LAWYER'S CHAMBER COMPLEX, DWARKA COURT, SECTOR-10, DWARKA, NEW DELHI-110075	NA
158	LAW	2K21LWUN02021	Rishabh Kumar Ambashta	CIVIL COURT JEHANABAD (BIHAR)	NA
159	LAW	2K21LWUN02022	Ritik Arora	PSP LEGAL ADVOCATES & SOLICITORS	NA
160	LAW	2K21LWUN02024	Shanu Singh	Adv.Ankur Saraswat	NA
161	LAW	2K21LWUN02025	Sneha Gaur	Tis hazari	NA
162	LAW	2K21LWUN02026	Sneha Gupta	Shri Ram Law Associates	NA
163	LAW	2K21LWUN02027	Tushar Choudhary	Yati and Associates	NA
164	LAW	2K21LWUN02028	Unnati Aggarwal	Kishore Kumar Mavai	NA
165	LAW	2K21LWUN02029	Vanshaj Adlakha	Advocate Amit Kumar	NA
166	LAW	2K21LWUN02030	Vanshika Garg	Advocate Lalit Bhardwaj	NA
167	LAW	2K22LWUN01001	A Ashwin Krishna Sarma	Satyam legal offices	NA
168	LAW	2K22LWUN01002	Aarushi Sharma	Umeed- A Drop Of Hope	NA
169	LAW	2K22LWUN01004	Akhilesh Singh Parmar	National Association of Street Vendors of India	NA
170	LAW	2k22LWUN01006	Amisha Chauhan	KRSH welfare foundation	NA
171	LAW	2K22LWUN01007	Ananya Pandit	Goonj	NA
172	LAW	2K22LWUN01009	Anuj Lohia	Vijay singh and associates	NA
173	LAW	2K22LWUN01010	Anushka Goyal	Deepak Paliwal Advocate and Associates	NA
174	LAW	2K22LWUN01011	Awadhesh Pratap Singh Tomar	Saket Court	NA
175	LAW	2k22LWUN01012	Chaitanya Mendiratta	District & session court, Sector 12, Faridabad	NA

176	LAW	2K22LWUN01013	Chhayanshi Goyal	Goyal & Associates	NA
177	LAW	2K22LWUN01015	Devansh	Kaushik & Associates	NA
178	LAW	2k22LWUN01016	Dhriti Jain	Ajay Chawla and associates	NA
179	LAW	2K22LWUN01018	Gaurav Kumar	Law firm, district court	NA
180	LAW	2K22LWUN01019	Gautam	R.S. & Associates law firm	NA
181	LAW	2K22LWUN01020	Gehna Chawla	Auric law partners	NA
182	LAW	2K22LWUN01021	Gorang Rexwal	Supreme Court	NA
183	LAW	2K22LWUN01022	Harshita Payla	Sector 12 court	NA
184	LAW	2k22LWUN01023	Hemant Singh	Rao associates	NA
185	LAW	2k22LWUN01026	Himanshi Hudda	Nirmala Animal Healths	NA
186	LAW	2K22LWUN01027	Ipshita Kanojia	Rahul Tripathi and Rohit Tripathi Advocates and Solicitors	NA
187	LAW	2K22LWUN01030	Kamal	Kanwar And Associates	NA
188	LAW	2k22LWUN01031	Karuna Bhardwaj	National Association of Street Vendors of India	NA
189	LAW	2K22LWUN01032	Khushi Sharma	Vikas Sharma & Associates	NA
190	LAW	2k22LWUN01033	Kusum Tham	Umeed NGO	NA
191	LAW	2K22LWUN01034	Mehar Kaur	Umeed- a drop of hope Organisation	NA
192	LAW	2K22LWUN01035	Mridul Bhatia	Umeed:- A Drop Of Hope	NA
193	LAW	2K22LWUN01035	Mridul Bhatia	Ashghar khan advocate	NA
194	LAW	2k22LWUN01036	Muskan Boken	District & session court, Sector 12, Faridabad	NA
195	LAW	2k22LWUN01037	Navya Chaudhary	Flag Foundation Of India	NA
196	LAW	2K22LWUN01040	Pawan Tiwari	REL LEGAL LLP ADVOCATE & SOLICITORS	NA
197	LAW	2k22LWUN01043	Pratham Bansal	Law firm	NA
198	LAW	2k22LWUN01044	Prerna Choudhary	District Court Gautum Budh Nagar	NA
199	LAW	2k22LWUN01045	Prisha Bhardwaj	Bachpan Bachao Andolan	NA
200	LAW	2k22LWUN01046	Puneet	Sanjiv tanwar	NA
201	LAW	2K22LWUN01049	Sania	Krsh Welfare Foundation	NA
202	LAW	2K22LWUN01050	Sasha Singh	Care for Appetite Foundation	NA
203	LAW	2k22LWUN01052	Shree Agrawal	High Court	NA
204	LAW	2k22LWUN01054	Subhajeet Halder	R.N. Yadav & Associates	NA
205	LAW	2K22LWUN01055	Suhani Aggarwal	VINOD YADAV & CO.	NA
206	LAW	2K22LWUN01056	Sumit	P.S. TOMAR AND ASSOCIATES	NA
207	LAW	2k22LWUN01058	Tanya Kumar	District & Session Court, Faridabad	NA
208	LAW	2k22LWUN01059	Tanya Nagar	District & Session Court, Faridabad	NA
209	LAW	2k22LWUN01061	Vansh Tewatia	District & session court, palwal	NA
210	LAW	2k22LWUN01062	Vanshika Lakhani	Kk.Associates	NA
211	LAW	2K22LWUN01063	Vipul	Satyam Legal Offices	NA
212	LAW	2k22LWUN01064	Vishal Bidhuri	Naveen Kumar & Associates	NA
213	LAW	2k22LWUN02065	Harshit Pandey	Varanasi, Patel Nagar Colony, Chamber	NA
214	LAW	2k22LWUN02002	Akshat Rawal	Care for appetite foundation	NA
215	LAW	2K22LWUN02003	Alex Valasigandla	VJS LEGAL SOLUTIONS LLP	NA
216	LAW	2K22LWUN02006	Chaitanya Verma	Deepak kumar	NA
217	LAW	2K22LWUN02007	Chirag	Chamber No. 2, Seat No. 308-309, South Wing, District	NA

				Courts, Sector-12, Faridabad	
218	LAW	2K22LWUN02008	Divya Goyal	Arthaat Legal	NA
219	LAW	2k22LWUN02012	Kanishk Choudhary	District and Session Court Faridabad	NA
220	LAW	2K22LWUN02013	Khushi Chugh	Bhadana and co.	NA
221	LAW	2K22LWUN02015	Kushagra Bhardwaj	R.K. Bhardwaj & Associates	NA
222	LAW	2K22LWUN02016	Muskan Gupta	District and Session Court Gurgaon	NA
223	LAW	2K22LWUN02018	Paawan Mendiratta	Bhadana and Co.	NA
224	LAW	2K22LWUN02019	Piyush Garg	Care for appetite foundation	NA
225	LAW	2k22LWUN02020	Pratham Singh Chauhan	District & Session Court, Sector 12, Faridabad	NA
226	LAW	2k22LWUN02021	Preet Tanwar	Devender Singh & Associates	NA
227	LAW	2K22LWUN02024	Sakshi Saini	Kumar and associates	NA
228	LAW	2k22LWUN02025	Sakshi Sharma	Adma and Associates	NA
229	LAW	2K22LWUN02026	Sarthak Kaushik	Mansi Consultants	NA
230	LAW	2k22LWUN02027	Shivam Bansal	S S Nayak & Company	NA
231	LAW	2K22LWUN02028	Shivam Gera	DEEPAK GERA & CO.	NA
232	LAW	2k22LWUN02029	Siddharth	Advocate	NA
233	LAW	2k22LWUN02030	Surya Narayan Basista	Bachpan Bachao Andolan	NA
234	LAW	2k22LWUN02031	Tanya Dagar	Tis Hazari Court, Delhi	NA
235	LAW	2k22LWUN02032	Tushar Phagna	Advocate	NA
236	LAW	2k22LWUN02033	Uzma Saifi	Adma and Associates	NA
237	LAW	2K22LWUN02034	Vansh Kasana	Saket District court	NA
238	LAW	2K22LWUN02035	Vinay Ashra	Sunil Chowdhary & Associates	NA
239	LAW	2K22LWUN02036	Vishvas Banger	M - JURIS LAW ASSOCIATES	NA
240	LAW	2k22LWUN02037	Yash Garg	R.k. Bhardwaj & Association	NA
241	LAW	2K22LWUN02039	Yashica Aggarwal	Kamlesh Kumar and Associates	NA
242	LAW	2K22LWUN02040	Yashika Verma	Ag law consultant	NA
243	LAW	2K22LWUN02041	Yeshika Sharma	M&B law offices	NA
244	LAW	2k22LWUN02043	Yuvraj Singh	Care for appetite foundation	NA
245	LAW	2K22LWUN04001	Anjali Singh	Mohammad Parvez law offices	NA
246	LAW	2K22LWUN04004	Komal Dhiman	Hukam & Associates	NA
247	LAW	2K22LWUN04005	Kumkum	Adv. M Durga Devi	NA
248	LAW	2K22LWUN04011	Yogesh Yadav	Adv. Rohan Khanna	NA

Annexure 4.1 (b)				
School of Education & Humanities				
S.No	Name	Roll No.	Type of School	School Name
1	Ananya Kumar	2K20EDUN03001	Private	Shirdi sai baba school, Faridabad
2	Anika Khantwal	2K20EDUN03002	Private	Navyug School Senior secondary school
3	Anjali	2K20EDUN03003	Government	Govt. Model Senior Secondary School/
4	Annu	2K20EDUN03004	Government	GMSSSS NIT 3
5	Chanchal Verma	2K20EDUN03006	Private	Rishabh Public School
6	Deepanshi	2K20EDUN03007	Private	MRIS Sec 21C
7	Harshita Bidhuri	2K20EDUN03009	Government	Govt. Model Sr Sec School
8	Ipta	2K20EDUN03010	Government	MALATIPUR R.K GIRLS HIGH SCHOOL
9	Janhvi Thakur	2K20EDUN03011	Private	St Andrews Scot ser sec school
10	Laisha	2K20EDUN03012	Government	Govt. Model Senior Secondary School

11	Lipika Kala	2K20EDUN03013	Private	MRIS Sec 14
12	Neha Bhargava	2K20EDUN03014	Private	The Sun Valley International School
13	Prapti Chaudhary	2K20EDUN03015	Private	sona modern public school
14	Priya	2K20EDUN03016	private	Aggarwal public school
15	Riya	2K20EDUN03017	Government	Govt Middle School Palwal
16	Sehejneet	2K20EDUN03018	Government	Govt. Model Senior Secondary School
17	Shreya	2K20EDUN03019	Private	New Ankur public school
18	Sunaina	2K20EDUN03020	Government	GMSSS
19	Tanisha	2K20EDUN03021	Private	Shirdi Sai Baba School
20	Tanya	2K20EDUN03022	Private	Heera Public School
21	Vaibhav	2K20EDUN03023	Government	Sarvodaya Bal Vidyalaya
22	Vanshika Besoya	2K20EDUN03024	Private	MRIS 21C
23	Varsha Yaduvanshi	2K20EDUN03025	Private	Shirdi Sai Baba School
24	Aditi	2K20EDUN02001	Government	GGSSS Palwal Camp
25	Ayushi Chaudhary	2K20EDUN02002	Government	GGSSS Palwal Camp
26	Mahima Massey	2K20EDUN02003	Private	Sunrise Public School
27	Manisha Mehta	2K20EDUN02004	Private	MRIS Charmwood
28	Pawan Kumar Yadav	2K20EDUN02005	Government	GMSSSS NIT 3 FARIDABAD
29	Riya Aggarwal	2K20EDUN02006	Private	Gangotri Modern Sr. Sec. School
30	Sachi	2K20EDUN02007	Government	GMSSSS NIT 3 FARIDABAD
31	Shweta	2K20EDUN02008		Parivartan School
32	Simran Chhabra	2K20EDUN02009	Private	Angels Public School
33	Trisha Mishra	2K20EDUN02010	Private	B.V.M. Public School
34	Vanshika Bhatia	2K20EDUN02011	Private	B.N. Public School

Annexure 4.1 (c)

School of Sciences						
S.N o.	School/Program	Course	Roll Number	Name	Industry Name	Stipend (If any)
1	SoS(Chemistry)	MSc	2K21CHPN01001	Anjali Chauhan	JR Brothers	NA
2	SoS(Chemistry)	MSc	2K21CHPN01002	Bhavesh	Sun Pharmaceutical	NA
3	SoS(Chemistry)	MSc	2K21CHPN01003	Chandavi Sharma	Vytals Well-being Pvt Ltd	NA
4	SoS(Chemistry)	MSc	2K21CHPN01004	Komal Kaushik	Jakco Chemicals	NA
5	SoS(Chemistry)	MSc	2K21CHPN01006	Mitali Gupta	NCCBM	NA
6	SoS(Chemistry)	MSc	2K21CHPN01007	Prashant Sorout	Morepen Laboratories Ltd	NA
7	SoS(Chemistry)	MSc	2K21CHPN01008	Preety Gautam	Infonative Solutions Pvt Ltd	18000
8	SoS(Chemistry)	MSc	2K21CHPN01009	Sakshi	Space Group	15,000
9	SoS(Chemistry)	MSc	2K21CHPN01010	Simaran Mehra	B bond Performance Solution Pvt Ltd	NA
10	SoS(Chemistry)	BSc Hons	2K20CHUN01010	Shreya Adlakha	Soul Surfer	12,500
11	SoS(Mathematics)	MSc-Mathematics	2K22MAPN01001	Anshika Vashist	Python,Excel, SQL,Power BI by Udemy	NA

12	SoS (Mathematics)	MSc-Mathematics	2K22MAPN01002	Basrarani Nayak	Python,Excel, SQL,Power BI by Udemy	NA
13	SoS(Mathematics)	MSc-Mathematics	2K22MAPN01003	Geetika Wadhwa	Research Intrnship With Dr. Sumit Kumar Sharma, Assistant Professor at KMC, DU	NA
14	SoS(Mathematics)	MSc-Mathematics	2K22MAPN01004	Himanshi Panwar	Ishani Network, Content writer	NA
15	SoS(Mathematics)	MSc-Mathematics	2K22MAPN01006	Simaran Kinha	Python,Excel, SQL,Power BI by Udemy	NA
16	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01002	Charu Sharma	Bolt IOT	NA
17	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01003	Jivitesh Hans	Bolt IOT	NA
18	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01004	Kritika	Bolt IOT	NA
19	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01005	Kultaran Singh	Python Pro Boot Camp by Udemy	NA
20	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01006	Mehak Sharma	Bolt IOT	NA
21	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01007	Ritu Rathee	Bolt IOT	NA
22	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01008	Sania Chaudhary	Bolt IOT	NA
23	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01009	Sanjana Verma	Data analysis by Udemy	NA
24	SoS(Mathematics)	<u>B.Sc (Hons.)Mathematics</u>	2K22MAUN01010	Sneha Tanwar	Bolt IOT	NA

Annexure 4.1 (d)					
Department of Electronic and Communication Engineering					
S.No	Department	Roll Number	Name	Industry Name	Stippend (If any)
1	ECE	2K20ECUN02001	Afjal Ali	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
2	ECE	2K20ECUN02003	Devatha Mounik Vara Prasad	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
3	ECE	2K20ECUN02005	Shamit Bhardwaj	Effervescence, IIIT Allahabad	NA

4	ECE	2K20ECUN02006	Terli Charan Teja	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
5	ECE	2K20ECUN03001	Rudranand Sahu	ERTS LAB, Department of CSE, IIT Bombay	NA
6	ECE	2K21ECUN01002	Harsh Nanda	Engineering Projects (India) Ltd.	NA
7	ECE	2K21ECUN01003	Himanshu Chandel	Embedkari Systems(OPC) Pvt. Ltd.	NA
8	ECE	2K21ECUN01004	Jaya Saini	MRCPS, Manav Rachna University	NA
9	ECE	2K21ECUN01005	Mridul Rohilla	Embedkari Systems(OPC) Pvt. Ltd.	NA
10	ECE	2K21ECUN03001	Mayank	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
11	ECE	2K21ECUN03002	Vuyyuru Sriram	Maven Silicon Softech Ltd.	NA
12	ECE	2K22ECUN03001	Anuj Sharma	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
13	ECE	2K22ECUN03002	Arun Rana	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
14	ECE	2K22ECUN03003	Aryan Singh Chauhan	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
15	ECE	2K22ECUN03004	Deenisanaala Tagore Sanjay	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
16	ECE	2K22ECUN03005	Ishpreet Kaur	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
17	ECE	2K22ECUN03006	Lovanya	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
18	ECE	2K22ECUN03007	Naman Verma	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
19	ECE	2K22ECUN03008	Nishchay Raj	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
20	ECE	2K22ECUN03009	Pravar Aswal	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
21	ECE	2K22ECUN03010	Rama Krishna Reddy T	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
22	ECE	2K22ECUN03011	Rohan Sharma	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
23	ECE	2K22ECUN03013	Shaina Das	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
24	ECE	2K22ECUN03014	Shivam Kumar	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
25	ECE	2K22ECUN03015	Tushar Suhag	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
26	ECE	2K22ECUN01003	Sandeep Gupta	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
27	ECE	2K19ECUN02003	Ayush Thukral	HFCL Limited	NA
28	ECE	2K19ECUN02004	Kartik Rastogi	Trojan Hunt India LLP	NA
29	ECE	2K19ECUN02005	Kunal Kumar	Truechip Solutions Pvt. Ltd. and Future Tech,Wizards LLP	NA
30	ECE	2K19ECUN02008	Naveen Kumar	AalTee Projectd Pvt. Ltd.	NA
31	ECE	2K19ECUN02009	Poorav M Panchal	SNUG Technologies Pvt. Ltd.	NA
32	ECE	2K19ECUN02010	Shubham	IMZ Corporate Pvt. Ltd.	NA
33	ECE	2K19ECUN02011	Tamanna	Sony India Pvt. Ltd.	NA

34	ECE	2K19ECUN02012	Tushar Sharma	Marelli Powertrain India Pvt. Ldt.	NA
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Annexure 4.1 (e)					
Department of Computer Science & Technology					
S. No	Department	Roll Number	Name	Industry Name	Stippend (If any)
1	CST	2K19CSUN01017	Devashish Basu	Coforge, Seb, Gr.Noida Sez Coforge Gnoida Sez 1	Rs. 20,000/-month
2	CST	2K19CSUN01023	Ishi Vashishtha	Inhouse Training	NA
3	CST	2K19CSUN01027	Karun Kumar	Unique Erp	NA
4	CST	2K19CSUN01030	Kuleen Chopra	Busy Infotech, New Delhi	Rs. 20,000/-month
5	CST	2K19CSUN01031	Kunal	Nullclass, Tamil Nadu	Rs. 3000/-month
6	CST	2K19CSUN01034	Lakshya Vats	Simpli5D Technologies, 1004D-E, 10Th Floor, Jmd Megapolis, Sohna Road, Sohna	Rs. 15,000/-month
7	CST	2K19CSUN01041	Piyush Raj	Campalin Edutech, 235, 2Nd & 3Rd Floor, 13Th Cross Rd, Indira Nagar Ii Stage, Hoysala Nagar, Indiranagar, Bengaluru, Karnataka 560038	Rs. 10,000/- month
8	CST	2K19CSUN01052	Sahil Jhangar	Futures First, 2B-11611Th Floor, Two Horizon Center, Dlf-V, Golf Course Road, Sector-43, Gurugram- 122002, Haryana	Rs.25,000/-month
9	CST	2K19CSUN01058	Uttam Kumar Gupta	Coforge (Get Profile)	Rs. 20,000 /- month
10	CST	2K19CSUN01061	Yash Sharma	Netrika Consulting,Udyog Vihar Gurugram	Rs. 12,000/-month
11	CST	2K19CSUN01067	Akash Rawat	Jtekt India Ltd	NA
12	CST	2K19CSUN01073	Bhavesh Adlakha	Crowe Llp, Noida	Rs. 21,500/-month
13	CST	2K19CSUN01079	Gaurav	Natrix Software Private Limited	Rs.10,000/-month
14	CST	2K19CSUN01080	Gautam Suri	Inflowreal	Rs. 10,000/-month
15	CST	2K19CSUN01089	Manvi Arora	Sopra Steria	NA
16	CST	2K19CSUN01093	Md Raunak Ansari	Coforge	Rs. 20,000/-month
17	CST	2K19CSUN01094	Mohit	Inhouse Training	NA
18	CST	2K19CSUN01095	Monu Kumar	My Social Fox	Rs. 2000/-
19	CST	2K19CSUN01098	Naman Gupta	Nullclass.Com	NA
20	CST	2K19CSUN01103	Prince Ojha	Credex, Noida	Rs. 10,000/-
21	CST	2K19CSUN01104	Princey Saini	Maruti Suzuki India Ltd.	NA

22	CST	2K19CSUN01105	Rakhi Jha	Exsquared, Faridabad	Rs. 35,000/-
23	CST	2K19CSUN01107	Saksham Kashyap	Axeno Consulting Pvt Ltd	Rs. 15,000/-
24	CST	2K19CSUN01109	Sanjeev Kumar	Nullclass.Com	NA
25	CST	2K19CSUN01110	Satvik Bareja	Infozech Software	Rs.18,000/- pm
26	CST	2K19CSUN01113	Srijan	Hamoye	NA
27	CST	2K19CSUN01119	Venna Amareswara Reddy	Yes, Bhasaka Technologies	Rs. 17,000/- pm
28	CST	2K19CSUN01120	Yogesh Arora	Yes, Maq Software	Rs. 36,000/- pm
29	CST	2K19CSUN01124	Amaan Khan	Yes, Intrainz	Rs. 20,000/- pm
30	CST	2K19CSUN01127	Ashish Alichen	Yes, Traevento Pvt. Ltd.	NA
31	CST	2K19CSUN01130	Chirag Pahuja	Inhouse Training	NA
32	CST	2K19CSUN01132	Devansh Rao	Tata Consultancy Services	NA
33	CST	2K19CSUN01135	Gautam Negi	Infozech Software	Rs. 18,000/- per month
34	CST	2K19CSUN01137	Ishika Kataria	Intellect Partners Consulting Llp	Rs. 11,000/- per month
35	CST	2K19CSUN01140	K Komal	British Telecom	Rs. 40,000/- per month
36	CST	2K19CSUN01146	Malika	One Stop .Ai	No
37	CST	2K19CSUN01149	Metrey Arora	Traevento	No
38	CST	2K19CSUN01150	Milan Nain	Hydrocoral Technologies Limited	No
39	CST	2K19CSUN01158	Prince	Inhouse Training	No
40	CST	2K19CSUN01171	Siya Sharma	Ukb Electronics Pvt Limited	No
41	CST	2K19CSUN01173	Tushar Grover	Bt E-Serv (India) Private Limited (British Telecom India Division), Gurgaon	Rs. 40,000/- Per month
42	CST	2K19CSUN01176	Vasu Tanwar	Elxire It Services Pvt. Ltd., Sector-7, Faridabad	Rs.12,000/- Per month
43	CST	2K19CSUN01178	Yash Goel	Ex-Squared Solutions India Pvt. Ltd., Sector 27 A, Faridabad	Rs. 35,000/- Per month
44	CST	2K19CSUN01180	Yatin Narula	Antino Labs Private Limited.Spaze I Tech Park, Gurugram,	Rs. 15,000/- Per month
45	CST	2K19CSUN01001	Aarzoo Gupta	British Telecom (Bt)	Rs. 40,000/- per month
46	CST	2K19CSUN01008	Akshat Arora	Amadeus Labs	Rs. 30,000/- per month
47	CST	2K19CSUN01016	David Anand Levi	Drdo	NIL
48	CST	2K19CSUN01019	Guneer Singh	Edge Motion Controls Pvt. Ltd.	Rs. 15,000/- per month
49	CST	2K19CSUN01020	Harsh Kumar	Unique Erp	NIL
50	CST	2K19CSUN01028	Kautilya Bhardwaj	Ex Sqaured Solutions	Rs. 35, 000 per month

51	CST	2K19CSUN01032	Kunal Kukreja	Coding Ninjas	Rs. 30,000 For 4 Month Intern Period
52	CST	2K19CSUN01035	Manish Gupta	Amadeus Labs	Rs. 30,000 per month
53	CST	2K19CSUN01038	Muddassir Hasan	Cris	No
54	CST	2K19CSUN01040	Pankaj Singh	Tritiya Maritime Academy	Rs. 8000/-
55	CST	2K19CSUN01042	Pradeep Kumar	Technocraze	Rs. 10,000/-
56	CST	2K19CSUN01047	Pushpender	Inhouse (Manav Rachna University)	No
57	CST	2K19CSUN01048	Qasir Khan	Himotech Global Pvt.Ltd.	No
58	CST	2K19CSUN01049	Reetika Tyagi	Ocpl Tech - Opulentia Cresco Private Limited	Rs. 25,000/-
59	CST	2k19csun01075	Deepanshu Thakur	Maruti Suzuki	No
60	CST	2k19CSUN01085	Ishika Kashyap	Intrainz Innovation Private Ltd	No
61	CST	2K19CSUN01099	Neha Gautam	Inhouse Training	No
62	CST	2K19CSUN01100	Nipun Gera	Axeno Pvt Ltd	Rs. 15,000/-
63	CST	2K19CSUN01101	Pranav Thakur	Upstar	Rs. 15,000/-
64	CST	2K19CSUN01111	Siddharth Singh Rawat	Honeywell, Mysocialfox.Com	Rs. 6000/-
65	CST	2K19CSUN01114	Sudhanshu Gautam	Inhouse Training	No
66	CST	2k19CSUN01117	Tanubuddhi Nagarjuna Reddy	Bhasaka Technologies	Rs. 17,000/-
67	CST	2K19CSUN01118	Tushar Juneja	Ericsson	yes Rs. 21,000/-
68	CST	2K19CSUN01121	Aakif	Cloudsufi	yes Rs. 15,000/-
69	CST	2K19CSUN01122	Aashish Kumar Aman	Nj Technos	Rs. 6000/-
70	CST	2K19CSUN01126	Anjani Pandey	Celebal Technologies	Rs. 10,000/-
71	CST	2K19CSUN01131	Deepak Kumar Jaisawal	Trestle Labs,Balgluru	Rs. 10,000 /-
72	CST	2K19CSUN01133	Divyansh Kamboj	Campalin	No
73	CST	2K19CSUN01134	Gaurav Arya	Physics Wallah	Rs. 18,000/-
74	CST	2K19CSUN01138	Jatin Goyal	Inhouse	No
75	CST	2K19CSUN01141	Kajiman Lawati	Water Flow Technologies	Rs. 6000/-
76	CST	2K19CSUN01142	Kartik Sachdeva	Ncr Infra,Urban Property Llp,Faridabad	Rs. 10,000/-
77	CST	2K19CSUN01144	Kunal Bhadana	Unique Erp	No
78	CST	2K19CSUN01148	Md Sarfuddin	Campalin-Edutech	No
79	CST	2K19CSUN01151	Mohak Sharma	Radico	Rs. 5000/-
80	CST	2K19CSUN01156	Prayas Samal	Camplalin	No

81	CST	2K19CSUN01162	Rahul Raghav	Camplalin	No
82	CST	2K19CSUN01165	Roman Ojha	Dish Home Nepal	Rs. 10,000/-
83	CST	2K19CSUN01168	Shivam Thakur	Axeno Consulting	Rs. 15,000/-
84	CST	2K19CSUN01169	Shubh Ahuja	Inhouse Training	No
85	CST	2K19CSUN01175	Ujwal Ray Bhatta	Inhouse Training	No
86	CST	2K19CSUN01177	Vishwas Tokas	Inhouse Training	No
87	CST	2K20CSUM01001	Ayush Gupta	Camplalin	No
88	CST	2K20CSUL01003	Sonali	1Stop	No
89	CST	2K19CSUN01011	Anas Mansoor	Acadenow	Y
90	CST	2K19CSUN01012	Ankit Sharma	Sceptre Consultancy Limited	No
91	CST	2K19CSUN01013	Ankush Verma	Hivish Technology Pvt. Limited	No
92	CST	2K19CSUN01014	Anuj Rawat	Sportstime Technologies Pvt Ltd	No
93	CST	2K19CSUN01015	Ayush Garg	Techmatrix Consulting Pvt. Ltd	Yes
94	CST	2K19CSUN01021	Hemang Chauhan	Intellectpartners	Yes
95	CST	2K19CSUN01026	Karan Aditya Ghoshal	Kpmg-Egyde Cyber Security Canada	Yes
96	CST	2K19CSUN01033	Lakshay	Techcurators Pvt. Ltd	No
97	CST	2K19CSUN01036	Mayank Bhatia	Tccs Pvt. Ltd.	No
98	CST	2K19CSUN01037	Mohd Sahil	Intrainz Inovation Private Limited	No
99	CST	2K19CSUN01046	Pushpender Kaushik	Unique Erp	No
100	CST	2K19CSUN01050	Rohit Aggarwal	Yamaha Motors	Rs. 25,000/-
101	CST	2K19CSUN01051	Sachin Sharma	Inhouse Training	NA
102	CST	2K19CSUN01054	Saurav Singh	Coddedbrains It Solutions	Rs. 10,000/-
103	CST	2K19CSUN01056	Shubham Gajanan Kanfade	Adhaan Solutions Private Limited	Rs. 15,000/-
104	CST	2K19CSUN01063	Abhishek	Inhouse Training	No
105	CST	2K19CSUN01066	Advitiya Sharda	Assign Corp	No
106	CST	2K19CSUN01068	Anand Prakash	Croma Campus	No
107	CST	2K19CSUN01069	Anish	Paper Cut Communications	Rs. 5000/-
108	CST	2K19CSUN01077	Dikraj Kalita	Inhouse Training	No
109	CST	2K19CSUN01081	Govind Kumar Mandal	Ict Honeywell / Null Class Pvt Ltd	No
110	CST	2K19CSUN01082	Harsh Mittal	Techcurators Private Limited Corporate@Techcurators.I n88604 10087	Rs. 15,000/- Per Month

111	CST	2K19CSUN01083	Harshit Bhardwaj	Soha Developers Pvt. Ltd.	N/A
112	CST	2K19CSUN01084	Himanshu Vashishth	Intellect Partners Consulting Llp	Rs. 11,000/- Per Month
113	CST	2k19CSUN01097	Murari Venkata Ramana	Indian Service Private Limited	N/A
114	CST	2K19CSUN01102	Pratyush Sharma	Cloudsufi Inc	Rs. 15,000/-
115	CST	2K19CSUN01115	Swati Nautiyal	Nullclass Edtech Pvt Ltd	Rs. 3000/-
116	CST	2K19CSUN01123	Aayush Kumar Singh	"Easygov"	Rs. 20,000/-
117	CST	2K19CSUN01125	Aniket Ray	Nullclass Edtech Pvt Ltd	Rs. 3000/-
118	CST	2K19CSUN01129	Chetna Batra	Easygov	Rs. 45,000/-
119	CST	2K19CSUN01136	Harkirat Bhurji	Zimyo	Rs. 30,000/-
120	CST	2K19CSUN01139	Jatin Jain	Arihant Furnitures	Rs. 8000/-
121	CST	2K19CSUN01143	Kartik Sahani	Cloudsufi	Rs. 15,000/-
122	CST	2K19CSUN01147	Maneet Singh	Credex Technology	Rs.10,000/-
123	CST	2K19CSUN01164	Ritik Kwatra	Campalin - Edutech	NA
124	CST	2K19CSUN01166	Shiv Samantaray	Acpl Systems Pvt Ltd.	Rs. 31,000/-
125	CST	2K19CSUN01167	Shivam Minz	Himotech Global Private Limited	NA
126	CST	2K19CSUN01172	Swastik Rai	Kpmg India	Rs. 20,000/-
127	CST	2K19CSUN01174	Ujwal Garg	Traevento Pvt. Ltd. 7, Ambika Enclave Old Palam Road, New Delhi - 110078	NA
128	CST	2K19CSUN01179	Yashasvi Bhatnagar	Coforge	Rs. 20,000/-
129	CST	2K19CSUN03001	Abhinn	Zedex Info Pvt Ltd.	Rs. 7000/-
130	CST	2K19CSUN03002	Anish Bansal	Nagarro, Gurgaon	Rs.19,000/-
131	CST	2K19CSUN03003	Archita Paul	Intrainz, Bombay	Rs. 1000/-
132	CST	2K19CSUN03004	Aritra Chatterjee	Aiw Works Pvt Ltd	NA
133	CST	2K19CSUN03005	Arjun Kanojia	Nagarro, Gurgaon	Rs. 19,000/-
134	CST	2K19CSUN03006	Aryaman Jayaswal	Aiw Works Pvt Ltd	NA
135	CST	2K19CSUN03007	Deepanshu Sharma	Equipe Nutrition	Rs. 200,000/- per month
136	CST	2K19CSUN03008	Hardik Arora	Lumiq	Rs. 15,000/-
137	CST	2K19CSUN03009	Himanshu	Tech4Planet	Rs. 6000/- per month
138	CST	2K19CSUN03010	Keshav Thakur	Trilyo Pvt Ltd	Rs. 20,000/-
139	CST	2K19CSUN03011	Kriti Singh	Bharti Airtel, Manesar	NA
140	CST	2K19CSUN03012	Lokdeep Saluja	Cross Skills	Rs. 20,000/-
141	CST	2K19CSUN03013	Mohita	Insight Company	Rs. 42,000/-
142	CST	2K19CSUN03014	Nabihah Haque	Green Bhumi	NA
143	CST	2K19CSUN03015	Nvya	Cloud Soofy	Rs. 15,000/-

			Dhariwal		
144	CST	2K19CSUN03016	Rishab Chaudhary	British Telecom	Rs. 40,000/-
145	CST	2K19CSUN03017	Rishita Agrawal	Websolguru	NA
146	CST	2K19CSUN03018	Rohit Tandon	Shoppeal	NA
147	CST	2K19CSUN03019	Satvik Mittal	Indorama	NA
148	CST	2K19CSUN03020	Sayam Sobti	Xebia	Rs. 10,000/-
149	CST	2K19CSUN03021	Shikhar Kapasia	Defynindfotech	Rs. 15,000/-
150	CST	2K19CSUN03022	Shubham Yadav	Starwire	NA
151	CST	2K19CSUN03023	Udit Arya	Advenith Technology Pvt. Ltd.	NA
152	CST	2K19CSUN01003	Abhay Kaushik	Jbm Industries Ltd	NA
153	CST	2K19CSUN01004	Abhishek Jhaldiyal	Jbm Industries Ltd	NA
154	CST	2K19CSUN01006	Aditi	Infozech Software Private Limited	Rs.18,000/-
155	CST	2K19CSUN01007	Akash Kumar Patra	Maruti Suzuki	NA
156	CST	2K19CSUN01009	Aman Sharma	Dee Development Engineers Limited	Rs.3000/-
157	CST	2K19CSUN01010	Aman Singh Bhadauria	Jr Compliance	Rs. 4000/-
158	CST	2K19CSUN01018	Gourav Vashisth	Celebal Technologies	Rs.15,000/-
159	CST	2K19CSUN01022	Hitesh Mittal	Amadeus Software Labs India Pvt. Ltd.,	Rs. 30,000/-
160	CST	2K19CSUN01025	Kanishk Sharma	Aamod Itsolutions Pvt. Ltd.	NA
161	CST	2K19CSUN01029	Kirti Singh	Yatharthriti	NA
162	CST	2K19CSUN01039	Nikhil Yadav	Uniqueerp	NA
163	CST	2K19CSUN01043	Pratham	Web4Bharat	NA
164	CST	2K19CSUN01044	Priyanka Pahuja	Teri-The Energy and Resources Institute	No
165	CST	2K19CSUN01045	Punit Phagna	In-House	NA
166	CST	2K19CSUN01053	Saurav	Ericsson	Yes
167	CST	2K19CSUN01055	Shivam Tanwar	Axeno Consulting Pvt Limited Sector 136 Noida	Yes
168	CST	2K19CSUN01059	Vaibhav Gaur	Monocept, Consulting Pvt Ltd	Yes
169	CST	2K19CSUN01060	Yamini Sharma	Mcl Minda Corporatiom	Yes
170	CST	2K19CSUN01062	Aaryan Srivastava	Cnh Industrial	NA
171	CST	2K19CSUN01064	Abin Baby	Nullclass Edtech Private Ltd	NA
172	CST	2K19CSUN01065	Aditi Singh	Nullclass Edtech Private Ltd	NA
173	CST	2K19CSUN01071	Ankit Pandey	My Social Fox	NA
174	CST	2K19CSUN01072	Ashish Kohli	Aryanveda Cosmeceuticals	NA

175	CST	2K19CSUN01074	Bhriagu Bajaj	Zimyo	Rs.31,000/- per month
176	CST	2K19CSUN01086	Jiya Bhatia	Sports Time Tech Ltd.	NA
177	CST	2K19CSUN01088	Manan Mathur	Technos Instruments14-1-2023	NA
178	CST	2K19CSUN01106	Sahil Gill	Clientvenue	8-12K
179	CST	2K19CSUN01108	Sanchit Bajaj	Techcurators Pvt. Ltd., New Delhi	Rs. 25,000/-
180	CST	2K19CSUN01128	Ashutosh	Traevento Pvt. Ltd.,7, Ambika Enclave Old Palam Road, New Delhi - 110078, Ph: +91 7042464543	NA
181	CST	2K19CSUN01145	Madhur Sehgal	Inhouse Training	NA
182	CST	2K19CSUN01153	Nitish Behl	Arihant Furnitures	Rs. 7000/-
183	CST	2K19CSUN01154	Om Singh	Sos Childrens Village	NA
184	CST	2K19CSUN01155	Piyush Chauhan	Inhouse Training	NA
185	CST	2K19CSUN01157	Prerna Rajput	Arihant Furnitures	Rs. 5000/-
186	CST	2K19CSUN01159	Prince Pandey	Magiced Tech	Rs. 20,000/-
187	CST	2K19CSUN01160	Rachit Arora	Ba Solutions	NA
188	CST	2K19CSUN01161	Rachit Jain	One Stop + Codeclause	NA
189	CST	2K19CSUN01163	Rahul Sharma	Inhouse Training	NA
190	CST	2K19CSUN01181	Shivangi Jaitly	Foundation Futuristic Technology	NA
191	CST	2K20CSUL01001	Ankur Singh	Cetpa	NA
192	CST	2K20CSUL01002	Nishant Singh	Inhouse Training	NA
193	CST	2K20CSUL01004	Amandeep Singh Jodhka	Singh Preowned Cars + Hixtor Technologies Pvt Ltd	Rs. 5000/-
194	CST	2K20CSUL01001	Ankur Singh	Inhouse Training	NA
195	CST	2K20CSUL01002	Nishant Singh	Inhouse Training	NA
196	CST	2K20CSUL01004	Amandeep Singh Jodhka	Inhouse Training	NA
197	CST	2K19CSUN04001	Abhishta Singh	Artificially Intelligent Workforce	NA
198	CST	2K19CSUN04002	Aditi Sharma	Axtria: Ingenious Insight	Rs. 25,000/-
199	CST	2K19CSUN04003	Aditi Singhal	Artificially Intelligent Workforce	NA
200	CST	2K19CSUN04004	Aman Singh Chauhan	Artificially Intelligent Workforce	NA
201	CST	2K19CSUN04005	Ananya Kamra	Paloalto Alto Network	Rs. 100,000/- per month
202	CST	2K19CSUN04006	Basireddy Chinna Ankalugari Vamsidharreddy	Acepeq Web Service Pvt Ltd	Rs.18,000/-
203	CST	2K19CSUN04007	Bhavya Ratra	Cube Roots	Rs. 8000/-
204	CST	2K19CSUN04008	Bony Vincent	Kpmg	Rs. 20,000/-
205	CST	2K19CSUN04009	Chaitanya Virmani	Isourse Technologies Pvt Ltd	Rs.15,000/-

206	CST	2K19CSUN04010	Harsh Bhardwaj	Tech Matrix Consulting	Rs.15,000/-
207	CST	2K19CSUN04011	Isha Kaushik	Cloudsufi	Rs.15,000/-
208	CST	2K19CSUN04012	Khushi Kathuria	Cloudsufi	Rs.15,000/-
209	CST	2K19CSUN04013	Kolla Teja	Aiw Works Pvt Ltd	Rs. 50,000/-
210	CST	2K19CSUN04014	Mandeep Ahlawat	Inhouse Training	NA
211	CST	2K19CSUN04015	Mayank Saxena	Aiw Works Pvt Ltd	NA
212	CST	2K19CSUN04016	Ravi Yadav	Aiw Works Pvt Ltd	NA
213	CST	2K19CSUN04017	Ria Singhla	Maq Software	Rs.36, 000/-
214	CST	2K19CSUN04018	Richa Aggarwal	Ex Sqared Solution	Rs.35, 000/-
215	CST	2K19CSUN04019	Rishabh Garg	Artificial Intelligence Workforce	NA
216	CST	2K19CSUN04020	Rishit Mohan	Artificial Intelligence Workforce	NA
217	CST	2K19CSUN04021	Rishiwar Asija	Salesrobot	Rs.12, 000/-
218	CST	2K19CSUN04023	Sarthak Bajaj	Uipath	Rs. 40,000/-
219	CST	2K19CSUN04024	Sarthak Rastogi	Aiisc	NA
220	CST	2K19CSUN04025	Siddhartha Das Gupta	Artificial Intelligence Workforce	NA
221	CST	2K19CSUN04026	Tarun Tahiliani	Adsys Medtech	Rs. 15,000/- per month
222	CST	2K19CSUN04027	Ujjwal Chauhan	Centre For Railway and Information Systems	NA
223	CST	2K19CSUN04028	Vaibhav Singh	Bharti Airtel	NA
224	CST	2K19CSUN04029	Vaibhav Singh	Aiw Works Pvt Ltd	NA
225	CST	2K19CSUN04030	Varun Bhadana	Campalin - Online Training on Data Science	NA

Annexure 4.1 (f)

Department of Mechanical Engineering

S.No	Department	Roll Number	Name	Industry Name	Stippend (If any)
1	ME	2K19MEUN03001	Abhineet Steve Steve Davis	JSW Energy (Hydro)	No
2	ME	2K19MEUN03002	Anshul Tripathi	Maruti Suzuki India Limited	No
3	ME	2K19MEUN03003	Aryan Mittal	Christian Pfeiffer India Pvt. Ltd	Yes
4	ME	2K19MEUN03004	Ayush Kumar Jha	Tata Consultancy services	No
5	ME	2K19MEUN03005	Dipesh Nagar	Shree Krishna Automotive Components	No
6	ME	2K19MEUN03007	Kanishk Gupta	Eastman auto and power ltd.	Yes
7	ME	2K19MEUN03008	Karan	JBM AUTO LTD. (JBM	No

			Chaudhary	GROUP)	
8	ME	2K19MEUN03009	Lakshay Sharma	Engineering corp	No
9	ME	2K19MEUN03010	Manas Mangla	Escorts Kubota India Private Limited	No
10	ME	2K19MEUN03011	Mandeep Singh	Lutron	Yes
11	ME	2K19MEUN03012	Mohit Sanju	MRU (project)	No
12	ME	2K19MEUN03013	Nishant Dwivedi	Lutron Electronics	
13	ME	2K19MEUN03014	Prateek Sachdeva	Aroma Tools	Yes
14	ME	2K19MEUN03015	Pritam Das	JTEKT India Limited	Yes
15	ME	2K19MEUN03016	Puru Vohra	Delite Enterprises	No
16	ME	2K19MEUN03017	Rajendra Tiruwa	MRU (project)	No
17	ME	2K19MEUN03018	Rajveer Singh Bedi Singh	MRU (project)	No
18	ME	2K19MEUN03019	Sahil	Maruti Suzuki India Limited	No
19	ME	2K19MEUN03020	Sudhir Parida	MRU (project)	No
20	ME	2K19MEUN03021	Tushar Aggarwal	Team Tech Engineers	Yes
21	ME	2K19MEUN03022	Vikas Kushwaha	MRU (project)	No
22	ME	2K19MEUN03023	Vinay Vats	GIFOLA	
23	ME	2K19MEUN03024	Yajush Kaushik	Advanced Hvac Services Pvt Ltd	No
24	ME	2K19MEUN03025	Yash Panchal	JV Engineering and conveyour Pvt Ltd	
25	ME	2K19MEUN03026	Pratham Dagar	SANDEN VIKAS PVT LTD (HOSE AND PIPE PLANT)	No
26	ME	2K19MEUN03027	Pallavi Sharma	Dee Development engineers limited	Yes
27	ME	2K21MEUN03002	Gaurav	Maruti Suzuki	
28	ME	2K21MEUN03003	Khushal		
29	ME	2K21MEUN03004	Kshitij Bajpai	Krishna Engg. Works	
30	ME	2K21MEUN03005	Lazoh Umpo	Krishna Engg. Works	
31	ME	2K21MEUN03006	Saksham Aggarwal	Talbros Engineering	
32	ME	2K21MEUN01001	Aatish Kumar		
33	ME	2K21MEUN01002	Karanveer Singh	Uno Minda Limited	
34	ME	2K21MEUN01003	Rohit Sharma	Uno Minda Limited	
35	ME	22201003NL002	Amaan Khan	NSIC	
36	ME	35616T22201003NN001	Satyam Kumar Singh	NSIC	

Annexure 4.2					
Placement of outgoing students during 2022-23					
S.No.	Name of Student Placed	Roll No.	Program Graduated From	Name of the Employer with Contact Details	Pay Package at Appointment (in INR/Annum)
1	Sakshi	2K21CHPN01009	M.Sc. Chemistry	Space technology and Education Pvt.Ltd. Ramleela Ground, Plot No.3, Institutional Area, Sector 11 Dwarka, Dwarka, New Delhi, Delhi 110075	2
2	Shreya Adlakha (Also Added In Higher Studies)	22002002N002	B.Sc. Chemistry	SoulSerfer 302, sec 56, rail vihar, Gurugram Haryana, 122011	3.5
3	Prashant Sorout	2K21CHPN01007	M.Sc. Chemistry	Morepen Laboratories Ltd., 2nd Floor, Tower C., DLF Cyber Park., Udyog Vihar, Sector -20., Gurgaon - 122016	1.8
4	Preety Gautam	2K21CHPN01008	M.Sc. Chemistry	410, Mansarover 90, Nehru Place Market Road, Nehru Place, New Delhi, Delhi 110019	1.8
5	Bhavesh	2K21CHPN01002	M.Sc. Chemistry	, Udyog Vihar Industrial Area, Phase VI, Sector 18, Gurugram, Haryana 122015	6.3
6	Simran Mehra	2K21CHPN01010	M.Sc. Chemistry	Kaimfin Industries 41 K.M. Milestone, Khandawali Road, Sector-150, Ballabgarh, Faridabad, 121004	2.7
7	Allan George	2K20MCUN03003	BBA	Avanta Business Centre, 12th Floor Ambadeep Building, K G Marg, New Delhi- 110001, India	1.18
8	Hemant Sharma	2K20MCUN03004	BBA	SAMBHAV ENGINEERING, plot no 51 , sector 58 industrial area ,Faridabad	1.8
9	Mansi	2K20MCUN02014	BBA	Au Small Finance Bank, 24, Ring Road,Lajpat Nagar-IV, Delhi, Delhi, IN-110024	3
10	Shanu Aggarwal	2K18LWUN03009	BCOM LLB	LAWRATO	4.8
11	Divya Mishra	2K18LWUN01011	BA LLB	INTYGRAT LAW OFFICES	2.4
12	Kartik Sharma	2K18LWUN02012	BBA LLB	INTYGRAT LAW OFFICES	2.4
13	Harshita	2K18LWUN03005	BCOM LLB	INTYGRAT LAW OFFICES	2.4
14	Avishi Garg	2K21EDUN01006	B.Ed	MRIS CENTRAL TEAM, Sector – 43, Aravalli Hills, Delhi – Surajkund Road, Faridabad – 121004, Haryana.	3.6
15	Swati Mishra	2K21EDUN01028	B.Ed	Mount Columbus School, G6CP+339, Block C, near Mahila Mangal, Dr. Ambedkar Nagar, Block A, Sector 5, Dakshinpuri, New Delhi, Delhi 110062	2.5

16	Himanshi Arora	2K21EDUN01009	B.Ed	MRIS- Sector 21C, Faridabad, Haryana 121001	3.6
17	Naresh Sharma	2K21EDUN01019	B.Ed	ST. Giri Public School,Pocket H, Between A & B Block, Maharaja Agarsen Marg, Opp. Pocket H, 56, Pocket B, Sarita Vihar, New Delhi, Delhi 110076	3.36
18	Rumie Goyal	2K21EDUN01023	B.Ed	Adarsh Model Public School,Sector-12, Dwarka New Delhi-110075	2.5
19	Poorav Panchal	2K19ECUN02009	ECE	SNUG Technologies Pvt. Ltd., Gurugram	7
20	Aishvarj	2K19ECUN02001	ECE	WeLabs	Self Employed
21	Kunal Dang	2K19ECUN02005	ECE	WNS Global Services Pvt. Ltd. , Gurugram	3.92
22	Aniket Jadon	2K19ECUN02002	ECE	Aisal Analytics Pvt Ltd., New Delhi	2.4
23	Kartik Rastogi	2K19ECUN02004	ECE	Trojan Hunt India LLP, New Delhi	3
24	Ayush Kumar Jha	2K19MEUN03004	MECH	ADP Private Limited ADP Boulevard, Survey NO. 88/AA and 88/E, Nanakramguda Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad, Telangana - 500008	4.5
25	Karan Chaudhary	2K19MEUN03008	MECH	JBM, Gurgaon, Plot No. 133 Sec24 Faridabad	6.5
26	Lakshay Sharma	2K19MEUN03009	MECH	Carrier Corporation, Carrier Airconditioning and refrigeration Ltd. Village - Kherki Daula, Post Narshingpur , NH8 , Gurgaon	3.98
27	Mandeep Singh	2K19MEUN03011	MECH	lutron GL Sales & Services PVT LTD India, Building 8A, 5th Floor DLF Cyber City, Gurugram	5.24
28	Nishant Dwivedi	2K19MEUN03013	MECH	lutron GL Sales & Services PVT LTD India, Building 8A, 5th Floor DLF Cyber City, Gurugram	5.24
29	Pritam Das	2K19MEUN03015	MECH	JTEKT India, 38/6, Delhi-Jaipur Road. NH-48, Gurugram - 122 001, Haryana, India.	3.8
30	Vinay Vats	2K19MEUN03023	MECH	ADP Private Limited ADP Boulevard, Survey NO. 88/AA and 88/E, Nanakramguda Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad, Telangana - 500008	4.5
31	Vishal Jain	2K20MCUN02024	BBA FAA	Zion Express Cargo Pvt. LTD. Office NO.505, Mayuresh Chambers Plot NO.60, Sector-11, CBD Belapur Navi Mumbai - 400614.	3.66
32	Mayank Batra	2K20MCUN04004	BBA OM	Asco Industrial Ram Bazaar , Mori Gate, New Delhi - 110006	1.68
33	Hardik Bhatia	2K20MCUN01009	BBA EFB	VASUNDHRA ENTERPRISES 6188-89, Gali No.2, Shiv Plaza Complex, Dev Nagar, Karol Bagh,	6.3

				New Delhi 110005	
34	Anil Nagpal	2K20MCUN01005	BBA EFB	HIND PLASTICS 2A/1, B.P., NIT Faridabad 121001 (Hr)	6.12
35	Jalaj Gupta	2K20MCUN01012	BBA EFB	M/s Jalaj Trading Co. 793A/783, Baniya wara, ward no.1, main bazar, Ballabgarh-121004	1.2
36	Vikas Sharma	2K20MCUN02023	BBA FAA	Amazon Development Centre (India) Private Limited 26/1, Brigade Gateway, World Trade Centre, 10th Floor, Dr. Rajkumar Road, Malleshwaram (W) Bangalore - 560 055. Karnataka India	4.51
37	Himanshu Mishra	2K20MCUN01011	BBA EFB	Lucky Mannequins.in A-171, Dayanand Colony, Lajpat Nagar, New Delhi- 110024, Delhi, India	4
38	Kunal Arora	2K20MCUN01014	BBA EFB	KLine The Family Fashion Shop Shop No. 5, Ozone Center, opp. Town park, sector 12, Faridabad	40,000 pm
39	Satparna Shivani	2K20MCUN01020	BBA EFB	APARNA SPRINGS INDUSTRIES GSTIN: 07AIAPL2296D1ZH Address: Plot No. 05, Kh.- 28/14, Matiala ext., New Delhi, Delhi, 110059	3 p.a.
40	Sakshi Choudhary	2K20MCUN01019	BBA EFB	AKMV Consultants Private Limited, Unit NO. 412, Tower B4, Spaze I-Tech Park, Sector-49, GURgaon, 121018, Haryana India	3 p.a.
41	Sushant Nagpal	2K20MCUN01023	BBA EFB	Marble Home Address: 2, Wazir Chand Colony, Kunjpura Road, Karnal 132001	1.80 p.a.
42	Satyam Sharma	2K20MCUN01021	BBA EFB	OCCAMS Advisory B 425-426, first floor, Nehru Ground, NIT Faridabad, Haryana	5.50 p.a.
43	Navya Jain	2K20MCUN01017	BBA EFB	Grey Matter	1.92p.a.
44	Ishika Aggarwal	2K20MCUN04006	BBA GOM	Paras Spaces Real Estate Consultants E-25, Sector-85, BPTP Faridabad, Haryana	3.60p.a.
45	Feanshu Vohra	2K20MCUN01007	BBA EFB	Vohra Trading Company Shop No.1, Bombay wali gali, Gandhi Gali, Chandani Chowk, Delhi- 110006	1.20p.a.
46	Aditya Singh	2K20MCUN02004	BBA FAA	IDFC First Bank Thee Square C-61, G- Block, Bandra Kurla Complex, Bandra East Mumbai-40051	2.80 p.a.
47	Aastha Sharma	2K20MCUN02001	BBA FAA	WHIRLPOOL OF INDIA LIMITED CIN NO. L29191PN1960PLC020063 28, N.I.T. Faridabad- 121001, Haryana, (India)	1.92p.a.
48	Jayesh Kumar Singh	2K20MCUN02013	BBA FAA	Walnut Healthcare Pvt. LTd. 303, III floor, DLF Courtyard Saket, New Delhi-110017	2.76p.a.

49	Manas Mangla	2K19MEUN03010	B.tech M.E	Pranav Vikas (India) Pvt. Ltd., Plot No.: 45-46, Ind. Area N.I.T Faridabad	4.8p.a
50	Kirti Sharma	2K21EDUN01012	B.Ed	Blue Angels Global School, Charmwood Village, Eros Garden, Faridabad, Haryana 121009	3.6 LPA
51	Muskan Saini	2K21EDUN01017	B.Ed	GD Goenka Public School, Bhagwan Mahaveer Rd, Pocket 8, Sector B, Vasant Kunj, New Delhi, Delhi 110070	2.64 LPA
52	Tanya Kaur	2K21EDUN01030	B.Ed	Amity International, M Block, No:44, Saket Rd, Block N, Saket, New Delhi, Delhi 110017	3.6 LPA
53	Monica Sharma	2K21EDUN01014	B.Ed	MRIRS Admissions, Manav Rachna Campus Rd, Gadakhor Basti Village, Sector 43, Faridabad, Haryana 121004	3.0 LPA
54	Sonal Arora	2K21EDUN01027	B.Ed	Balwant Rai Mehta, 28, Ram Gidwani Marg, National Park, Lajpat Nagar, New Delhi, Delhi 110024	3.0 LPA
55	Shubhangi Agarwal	2K21EDUN01025	B.Ed	Manaskriti School, Sector 82, Faridabad, Haryana 121002	3.0 LPA
56	Deepika Sethi	2K21EDUN01008	B.Ed	Delhi Public School Sector 98, Village, Kheri Kalan, Faridabad, Haryana 121002	5.4 LPA
57	Aastha	2K21EDUN01001	B.Ed	Balwant Rai Mehta, 28, Ram Gidwani Marg, National Park, Lajpat Nagar, New Delhi, Delhi 110024	3.0 LPA
58	Pragya Sharma	2K21EDUN04003	B.Ed Special Education	Sancta Maria International school Sector 93, Faridabad, 121002, Delhi, NCR, Faridabad, Haryana 121002	4.2 LPA
59	Nikita Vats	2K21EDUN04002	B.Ed Special Education	Shiksha Bharti Global School, Sector 8 Dwarka, Dwarka, New Delhi, Delhi, 110077	3.5 LPA
60	Khushi Goswami	2K21EDUN04001	B.Ed Special Education	KR Mangalam World School, Kheri Rd, Greater, RPS City, Sector 88, Faridabad, Haryana 121002	5.0 LPA
61	Kajal Mudgal	2K19EDUN03017	BA B. Ed	Telus International, CONDUENT BUSINESS SERVICES, INFOSPACE, Sector 135, Noida, Uttar Pradesh 201304	2.83 LPA
62	Ritul Koundal	2K19EDUN03024	BA B. Ed	Employee Pooling Resources, B-54, Dhauri Piao, New Krishna Park, Vikaspuri, Delhi, 110018	2.75 LPA
63	Anmol Behl	2K19EDUN03004	BA B. Ed	Muni International School, A-2/16-18, near Gandhi Chowk, Block WE, Mohan Garden, Uttam Nagar, New Delhi, Delhi, 110059	2.40 LPA
64	Sakshi Arora	2K19EDUN03025	BA B. Ed	G.D Goenka World School, Plot No. 155, Urban Estate, Sector 15A, Faridabad, Haryana 121007	2.40 LPA
65	Avni Bhatia	2K19EDUN03006	BA B. Ed	Manav Rachna University, Manav Rachna Campus Rd, Gadakhor Basti Village, Sector 43, Faridabad, Haryana 121004	3.0 LPA

66	Muskan Aggarwal	2K19EDUN03019	BA B. Ed	Radiant Public Sr Sec School, near GOVT GIRL SCHOOL, Tigaon, Haryana 121101	2.5 LPA
67	Nishika Chauhan	2K19EDUN03020	BA B. Ed	Kundan Global School, Sector 89, Faridabad, Haryana 121002	2.16 LPA
68	Chavi Sharma	2K19EDUN03009	BA B. Ed	ATC Infocom Solutions PVT LTD, A2, DDA Shed, Pocket A, Okhla Phase I, Okhla Industrial Estate, New Delhi, Delhi 110020	2.16 LPA
69	Deepali Kamal	2K19EDUN03010	BA B. Ed	Kalka Public School,G7H2+JCH, Kalka Public School Rd, Alaknanda, New Delhi, Delhi 110019	2 LPA
70	Shradha Banga	2K19EDUN03028	BA B. Ed	Divine Public School,near Gurudwara, Sector 9, Faridabad, Haryana 121001	2 LPA
71	Kajal Sharma	2K19EDUN03018	BA B. Ed	Mentor Language Institite,Shop number 21, B-1/A, Sector 51, Noida, Uttar Pradesh 201301	3 LPA
72	Srishti Pokhriyal	2K19EDUN03031	BA B. Ed	Savitri Public School,G - 314, Sangam Vihar, New Delhi, Delhi 110080	2 LPA
73	Eena Sirohi	2K19EDUN03012	BA B. Ed	Modern vidya Mandir, Sector 29, Faridabad	2 LPA
74	Kasak Rathi	2K19EDUN02014	Bsc B.Ed	Arwachin Bharti School, Unnati Marg, Block C, Vivek Vihar Phase I, Vivek Vihar, Delhi, 110095	3.5 LPA
75	Tripti Sharma	2K19EDUN02027	Bsc B.Ed	Faridabad Model School,Sector 31, Near Pristine Mall, Faridabad, Haryana 121002	3.0 LPA
76	Riya Chauhan	2K19EDUN02022	Bsc B.Ed	MRIS-14, Sector 14, Faridabad, Haryana 121002	4.2 LPA
77	Cheshta Vasisth	2K20MCUN04008	BBA OM	V5 Global B1, H5 Second Floor, Deutsche BMW showroom, Mohan cooperative industrial area, Near Haldiram Pin Code - 110044	3LPA
78	Manish Sasidharan	2K20MCUN04002	BBA OM	Palmist Healthcare 12 Floor, Best Sky Tower, Netaji Subhash Chandra Place, Delhi 110034	3LPA
79	Anubhav Singh	2K20MCUN04005	BBA OM	Logskim solutions DB Schenker (India) Pvt. Ltd., Gurgaon,	3LPA
80	Divay	2K20MCUN04007	BBA OM	Gogorra Consultants Pvt. Ltd Gogorra Consultants Pvt. Ltd.Gangotri Campus, 477, Gali no. 15, Bheekam colony. Main Tigaon Road. Ballbagrah. Faridabad, Haryana 121004	3.6L
81	Saksham Bhatia	2K21MCUN04007	BBA GOM	Coding Ninja Unitech Cyber Park, Unit 007 - 008, GF, Tower A, Sector 39, Gurugram, Haryana	3 LPA
82	Rohit Kumar	2K21PHPN01007	M.Sc. Physics	Madw A Way Pvt. Ltd.	1.8 LPA
83	Simran	2K21PHPN01009	M.Sc.	Exploring Infinities Edutech	4.5 LPA

	Kapoor		Physics		
84	Anush Krishnan	2K21PHPN01001	M.Sc. Physics	Indra Ganesan College of Engineering, Tiruchirapallalli 620012	3.6 LPA
85	Divija Sekhri	2K20MAUN01001	B.Sc. (Hons.) Mathematics	Ernst & Young	5.36 LPA
86	Shrey Bisht	2K20MAUN01007	B.Sc. (Hons.) Mathematics	Space Group	4.2 LPA
87	Naman Gupta	2K20MAUN01002	B.Sc. (Hons.) Mathematics	Trivium Education Services Pvt. Ltd., F-4, Second Floor, Okhla Industrial Area, Phase-I, New Delhi 110020	3.96 LPA
88	Soumyadeep Manna	2K20PHUN01003	B.Sc. (Hons.) Physics	Hike Education Pvt. Ltd.	5.82 LPA
89	Muskan Malhotra	2K21PHPN01006	M.Sc. Physics	Space Technology and Education Pvt. Ltd.	4.2 LPA
90	Khushbu Rawat	2K21PHPN01006	M.Sc. Physics	Exploring Infinities Edtech Pvt. Ltd.	4.5 LPA
91	Apoorv Saini	2K18LWUN01005	BA LLB	Team Sinha & Partners	
92	Navneet Gupta	2K18LWUN01019	BA LLB	Ramkumar Gupta & Advocates	
93	Teena Tanwar	2K18LWUN01036	BA LLB	Amit Tanwar	
94	Divya Bisht	2K18LWUN03004	BA LLB	Perito Staffing Services LLP	
95	Neha Gupta	2K20LWUM02001	BBA LLB	Advocate Mayank Mikhail Mukherjee	
96	Aryaman Sharma	2K20MCUN01001	BBA	ERICSUN Life Science Private Limited 72/2, Ground Floor Maidangarhi Extension, Chhatarpur Maidangarhi Road, New Delhi 110074	3.6LPA
97	Nidhi Chaudhary	2K22CHPN01011	M.Sc. Chemistry	Wings pharmaceutical Pvt.Ltd. 14th Floor, KLJ TOWER, Netaji Subhash Place, Pitampura, New Delhi, Delhi, 110034	4.0LPA
98	Divya	2K22CHPN01004	M.Sc. Chemistry	Good year India Ltd.1st Floor, ABW Elegance Tower, near Jasola Vihar, Jasola Vihar, New Delhi, Delhi 110025	2.4 LPA
99	Mufeed	2K22CHPN01009	M.Sc. Chemistry	Jubilant Biosys Ltd.B-34, B Block, Sector 58, Noida, Uttar Pradesh 201301	2.8 LPA
100	Navin Sharma	2K22CHPN01010	M.Sc. Chemistry	Binary Global LimitedC-145, Pocket C, Okhla Phase I, Okhla Industrial Estate, New Delhi, Delhi 110020	3.0 LPA
101	Manisha	2K22CHPN01006	M.Sc. Chemistry	Kantech Research Solutions Lab No.7, BBB, RCB, 3rd Milestone, Faridabad, Haryana 121001	2.0 LPA

10 2	Ananya Kamra	2K19CSUN04005	B.Tech (CSE)	Palo Alto Networks Palo Alto Networks, Quay Building, Bagmane Tech Park, C V Raman Nagar, Bengaluru, Karnataka 560093	51
10 3	Karan Aditya Ghoshal	2K19CSUN01026	B.Tech (CSE)	KPMG Canada	60
10 4	Deepanshu Sharma	2K19CSUN03007	B.Tech (CSE)	ÉQUIPESANTÉ INC	30
10 5	Sarthak Rastogi	2K19CSUN04024	B.Tech (CSE)	Space and Time Labs Newport Beach, California, United States	55
10 6	Kolla Teja	2K19CSUN04013	B.Tech (CSE)	AIW WORKS PVT LTD AIW WORKS Private Limited CIN: U72900HR2021PTC092333 Gurugram - 122018	19.8
10 7	Sahil Jhangar	2K19CSUN01052	B.Tech (CSE)	Futures First 2B-1101, 11 Floor, Two Horizon Center, DLF-V, Golf Course Road, Sector-43, Gurugram-122002, Haryana, India	12.11
10 8	Hitesh Mittal	2K19CSUN01022	B.Tech (CSE)	Amadeus Software Labs Pvt. Ltd. 6 Etamin B Block, Prestige Tech Park Internal Rd, Kadubeesanahalli, Marathahalli, Bengaluru, Karnataka 560103	11.77
10 9	Kunal Kukreja	2K19CSUN01032	B.Tech (CSE)	ADP Private Limited ONE West Building, Survey NO. 88/AA and 88/E, Nanakramguda Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad, Telangana - 500008	10.8
11 0	Lokdeep Saluja	2K19CSUN03012	B.Tech (CSE)	Cross Skills: Select Citywalk Mall, Cross Skills, S-3, Ground Floor Naresh mansion, Near Sai Mandir, Khirki Extension, Malviya Nagar, opposite Saket, New Delhi, Delhi 110017	10
11 1	Rakhi Jha	2K19CSUN01105	B.Tech (CSE)	EX SQUARED SOLUTIONS Plot No. 35, 1st Floor, Sector-27A, Faridabad-121003	9
11 2	Yash Goel	2K19CSUN01178	B.Tech (CSE)	EX SQUARED SOLUTIONS Plot No. 35, 1st Floor, Sector-27A, Faridabad-121003	9
11 3	Richa Aggarwal	2K19CSUN04018	B.Tech (CSE)	EX SQUARED SOLUTIONS Plot No. 35, 1st Floor, Sector-27A, Faridabad-121003	9
11 4	Sarthak Bajaj	2K19CSUN04023	B.Tech (CSE)	Ui Path GF-12, Paras Downtown Centre, Golf Course Rd, Parsvnath Exotica, DLF Phase 5, Sector 53, Gurugram, Haryana 122003	9
11 5	K Komal	2K19CSUN01140	B.Tech (CSE)	British Telecom- 1 Braham Street, London, E1 8EE United Kingdom	8.92
11 6	Tushar Grover	2K19CSUN01173	B.Tech (CSE)	British Telecom- 1 Braham Street, London, E1 8EE United Kingdom	8.92
11 7	Aarzo Gupta	2K19CSUN01001	B.Tech (CSE)	British Telecom- 1 Braham Street, London, E1 8EE United Kingdom	8.92

118	Rishab Chaudhary	2K19CSUN03016	B.Tech (CSE)	British Telecom- 1 Braham Street, London, E1 8EE United Kingdom	8.92
119	Sayam Sobti	2K19CSUN03020	B.Tech (CSE)	Xebia: Capital Cyberscape, 4th Floor, Sector-59, Golf Course Extension Road, Gurugram, Haryana 122005	8.49
120	Hardik Arora	2K19CSUN03008	B.Tech (CSE)	Crisp Analytics Private Limited (Lumiq) Tower-A ,Noida One, 901, 9th floor, Sector 62, Noida, Uttar Pradesh 201307	8
121	Yogesh Arora	2K19CSUN01120	B.Tech (CSE)	MAQ Software: 2, 2nd Floor, Express Trade Tower, B Block, Block A, Sector 132, Noida, Uttar Pradesh 201301	7.5
122	Ria Singhla	2K19CSUN04017	B.Tech (CSE)	MAQ Software: 2, 2nd Floor, Express Trade Tower, B Block, Block A, Sector 132, Noida, Uttar Pradesh 201301	7.5
123	Devansh Rao	2K19CSUN01132	B.Tech (CSE)	Tata Consultancy Services 5th Floor PTI building, 4 parliament Street, New Delhi - India	7
124	Arjun Kanojia	2K19CSUN03005	B.Tech (CSE)	Avizva Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6.87
125	Anjani Pandey	2K19CSUN01126	B.Tech (CSE)	Hanu Software,Celebal Technologies : CG2C+H94, Greater Noida, Uttar Pradesh 203202	6.5
126	Gourav Vashisth	2K19CSUN01018	B.Tech (CSE)	Celebal Technologies: Vatika Business Park, Sohna - Gurgaon Rd, Vatika City, Block W, Sector 49, Gurugram, Haryana 122018	6.5
127	Kuleen Chopra	2K19CSUN01030	B.Tech (CSE)	Nokia Green Boulevard B-9, Tower A, Sector 62, Noida, UP	6
128	Malika	2K19CSUN01146	B.Tech (CSE)	Nokia Green Boulevard B-9, Tower A, Sector 62, Noida, UP	6
129	Siya Sharma	2K19CSUN01171	B.Tech (CSE)	Nokia Green Boulevard B-9, Tower A, Sector 62, Noida, UP	6
130	Vasu Tanwar	2K19CSUN01176	B.Tech (CSE)	Hanu Software,Celebal Technologies : CG2C+H94, Greater Noida, Uttar Pradesh 203202	6
131	Aakif	2K19CSUN01121	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201031	6
132	Roman Ojha	2K19CSUN01165	B.Tech (CSE)	Nokia Green Boulevard B-9, Tower A, Sector 62, Noida, UP	6
133	Sonali	2K20CSUL01003	B.Tech (CSE)	Nokia Green Boulevard B-9, Tower A, Sector 62, Noida, UP	6
134	Ankit Sharma	2K19CSUN01012	B.Tech (CSE)	Carelon Global Solution (Previously Known As Legato)	4.46
135	Ankush Verma	2K19CSUN01013	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6.5

13 6	Anuj Rawat	2K19CSUN01014	B.Tech (CSE)	Carelon Global Solution (Previously Known As Legato)	4.46
13 7	Rohit Aggarwal	2K19CSUN01050	B.Tech (CSE)	Yamaha motor solution A-3, Industrial Area, Noida-Dadri Road, Surajpur -201306, Gr. Noida Distt. Gautam Budh Nagar (U.P.) India.	6
13 8	Sachin Sharma	2K19CSUN01051	B.Tech (CSE)	Avizva Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
13 9	Anish	2K19CSUN01069	B.Tech (CSE)	Avizva Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
14 0	Pratyush Sharma	2K19CSUN01102	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201031	8.1
14 1	Kartik Sahani	2K19CSUN01143	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201031	7.5
14 2	Shivam Minz	2K19CSUN01167	B.Tech (CSE)	Nokia Green Boulevard B-9, Tower A, Sector 62, Noida, UP	6
14 3	Swastik Rai	2K19CSUN01172	B.Tech (CSE)	KPMG India Gurgaon, Haryana	5
14 4	Jiya Bhatia	2K19CSUN01086	B.Tech (CSE)	AVIZVA Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
14 5	Prerna Rajput	2K19CSUN01157	B.Tech (CSE)	AVIZVA Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
14 6	Prince Pandey	2K19CSUN01159	B.Tech (CSE)	Magic Edtech : 3rd & 4th Floor, TOWER-B, Smartworks Corporate Park, Sector 125, Noida, Uttar Pradesh 201303	6
14 7	Abhishta Singh	2K19CSUN04001	B.Tech (CSE)	Magic Ed tech Magic Edtech,3rd Floor, Tower B, SmartWorks Corporate Park, Sector 125, Noida, 201303.	6
14 8	Aditi Singhal	2K19CSUN04003	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noida -201301, Uttar Pradesh, India	6
14 9	Aman Singh Chauhan	2K19CSUN04004	B.Tech (CSE)	ADP ONE West Building, Survey NO. 88/AA and 88/E, Nanakramguda Village, Serilingampally Mandal, Ranga Reddy District, Hyderabad, Telangana - 500008	6
15 0	Bhavya Ratra	2K19CSUN04007	B.Tech (CSE)	Nokia Solutions Networks India Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
15 1	Bony Vincent	2K19CSUN04008	B.Tech (CSE)	KPMG Building No.10, 8th Floor, Tower B, DLF Cyber City,Gurgaon	6
15	Shubh	2K19CSUN01169	B.Tech	Orion Credence	3.6

2	Ahuja		(CSE)		
153	Isha Kaushik	2K19CSUN04011	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201031	6
154	Khushi Kathuria	2K19CSUN04012	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201031	7.5
155	Ravi Yadav	2K19CSUN04016	B.Tech (CSE)	Avizva solutions Pvt ltd Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25 A, Gurgaon - 122002 Haryana	6.5
156	Rishiwar Asija	2K19CSUN04021	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
157	Harsh Mittal	2K19CSUN01082	B.Tech (CSE)	Athena Blockchain Consulting	9
158	Mohita	2K19CSUN03013	B.Tech (CSE)	Insight Unit F2, First Floor, Plot No. 6, Signature Tower, Ansal IT City Park (SEZ)Tech Zone, IT Parks, Greater Noida, UP-201308	6
159	Nvya Dhariwal	2K19CSUN03015	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201031	6
160	Manvi Arora	2K19CSUN01089	B.Tech (CSE)	Carelon Global Solution (Previously Known As Legato)	4.25
161	Kajiman Lawati	2K19CSUN01141	B.Tech (CSE)	Carelon Global Solution (Previously Known As Legato)	5.76
162	Ujwal Garg	2K19CSUN01174	B.Tech (CSE)	Carelon Global Solution (Previously Known As Legato)	4.25
163	Yatin Narula	2K19CSUN01180	B.Tech (CSE)	S&P Global IN - GURGAON VILLAGE NATHUPUR THE AMBIENCE CORPORATE TOWER II	9
164	Akshat Arora	2K19CSUN01008	B.Tech (CSE)	Amadeus Labs	11.41
165	Swati Nautiyal	2K19CSUN01115	B.Tech (CSE)	Plasser India	6
166	Saksham Kashyap	2K19CSUN01107	B.Tech (CSE)	Axeno Consulting Private Limited Plot 111, Riana Towers, Sector 136, Noida, Uttar Pradesh 201305	5.5
167	Deepanshu Thakur	2K19CSUN01075	B.Tech (CSE)	globallogic hitachi g Nyati Unitree, 1st Floor, West Wing, Suite nos. 3,4,5 Samrat Ashok Road, Yerwada, Pune 411006, Maharashtra, India	5.5
168	Nipun Gera	2K19CSUN01100	B.Tech (CSE)	Axeno Plot 111, Riana Towers, Sector 136, Noida, Uttar Pradesh 201305	5.5
169	Shivam Thakur	2K19CSUN01168	B.Tech (CSE)	Axeno Plot 111, Riana Towers, Sector 136, Noida, Uttar Pradesh 201305	5.5
170	Aman Sharma	2K19CSUN01009	B.Tech (CSE)	GlobalLogic Hitachi Nyati Unitree,1st Floor, West Wing, Suite nos. 3,4,5 Samrat Ashok Road, Yerwada, Pune 411006, Maharashtra, India	5.5
17	Ankit	2K19CSUN01071	B.Tech	Genpact Noida stellar office sector -	7.5

1	Pandey		(CSE)	139	
17 2	Shivam Tanwar	2K19CSUN01055	B.Tech (CSE)	Axeno Axeno Consulting Private Limited, Plot 111, Riana Tower, Sector 136, Noida, 201305 India	5.5
17 3	Bhavesh Adlakha	2K19CSUN01073	B.Tech (CSE)	Crowe llp	5
17 4	Prince Ojha	2K19CSUN01103	B.Tech (CSE)	Credex technology Noida sector 62	5
17 5	Gaurav Arya	2K19CSUN01134	B.Tech (CSE)	Physicswallah Physics Wallah Pvt. Ltd., KLJ Noida One, Block A, First Floor, Industrial Area, Sector 62, Noida, Uttar Pradesh 201309.	5
17 6	Ayush Garg	2K19CSUN01015	B.Tech (CSE)	Techmatrix Consulting	5
17 7	Maneet Singh	2K19CSUN01147	B.Tech (CSE)	TechMatrix Noida	8
17 8	Aditi Sharma	2K19CSUN04002	B.Tech (CSE)	Credex C-56 A-13, opposite STELLAR IT PARK, Sector 62, Noida, Uttar Pradesh 201309	5
17 9	Harsh Bhardwaj	2K19CSUN04010	B.Tech (CSE)	Axtria Axtria india private limited, DLF cyber city SEZ, building no 14, tower B, 11th floor, gurgaon-122002, Haryana	5
18 0	Sanjeev Kumar	2K19CSUN01109	B.Tech (CSE)	Techmatrix Noida	4.81
18 1	Harkirat Bhurji	2K19CSUN01136	B.Tech (CSE)	Zimyo hr software Gurgaon rider house sector 44	4.2
18 2	Bhrihu Bajaj	2K19CSUN01074	B.Tech (CSE)	Zimyo hr software Gurgaon rider house sector 45	4.2
18 3	Anish Bansal	2K19CSUN03002	B.Tech (CSE)	Nagarro software Gurgaon	4.5
18 4	Devashish Basu	2K19CSUN01017	B.Tech (CSE)	Nagarro software Gurgaon	4.25
18 5	Lakshya Vats	2K19CSUN01034	B.Tech (CSE)	Coforge Ltd Plot No. TZ-2 & 2A, Sector - Tech Zone, Greater Noida (UP) - 201308, India	4.25
18 6	Uttam Kumar Gupta	2K19CSUN01058	B.Tech (CSE)	Capgemini IT 1, IT 2, Airoli MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India	4.25
18 7	Yash Sharma	2K19CSUN01061	B.Tech (CSE)	COFORGE Special Economic Zone, Plot No. TZ-2 & 2A, Sector - Tech Zone, Greater Noida (UP) - 201308, India.	3.5
18 8	Gautam Suri	2K19CSUN01080	B.Tech (CSE)	CAPGEMINI IT 1, IT 2, Airoli MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India	4.25
18 9	Md Raunak Ansari	2K19CSUN01093	B.Tech (CSE)	COFORGE Special Economic Zone, Plot No. TZ-2 & 2A, Sector - Tech Zone, Greater Noida (UP) - 201308, India.	4.25
19 0	Naman Gupta	2K19CSUN01098	B.Tech (CSE)	Capgemini Airoli MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25

19 1	Venna Amareswa ra Reddy	2K19CSUN01119	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
19 2	Ashish Alichen	2K19CSUN01127	B.Tech (CSE)	Infozech Software Pvt.Ltd.	4
19 3	Pranav Thakur	2K19CSUN01101	B.Tech (CSE)	UOLO Plot no 85, sector 44 , gurugram Haryana 12202	4.2
19 4	Deepak Kumar Jaisawal	2K19CSUN01131	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
19 5	Kartik Sachdeva	2K19CSUN01142	B.Tech (CSE)	Jket	4.25
19 6	Ayush Gupta	2K20CSUM01001	B.Tech (CSE)	HCL Technologies	4.25
19 7	Lakshay	2K19CSUN01033	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
19 8	Mayank Bhatia	2K19CSUN01036	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
19 9	Advitiya Sharda	2K19CSUN01066	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
20 0	Aayush Kumar Singh	2K19CSUN01123	B.Tech (CSE)	Jket	4
20 1	Aniket Ray	2K19CSUN01125	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
20 2	Chetna Batra	2K19CSUN01129	B.Tech (CSE)	Easygov	7.8
20 3	Jatin Jain	2K19CSUN01139	B.Tech (CSE)	Infozech Software Pvt.Ltd.	4
20 4	Ritik Kwatra	2K19CSUN01164	B.Tech (CSE)	Globalsign	4.5
20 5	Shiv Samantara y	2K19CSUN01166	B.Tech (CSE)	ACPL systems pvt ltd 235-240, 2nd floor, Vipul Trade Center, Badshahpur Sohna Rd Hwy, Sector 48, Gurugram, Haryana 122018	4.13
20 6	Yashasvi Bhatnagar	2K19CSUN01179	B.Tech (CSE)	COFORGE Special Economic Zone, Plot No. TZ-2 & 2A, Sector - Tech Zone, Greater Noida (UP) - 201308, India.	4.25
20 7	Vaibhav Gaur	2K19CSUN01059	B.Tech (CSE)	Monocept	6
20 8	Yamini Sharma	2K19CSUN01060	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
20 9	Manan Mathur	2K19CSUN01088	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
21 0	Sanchit Bajaj	2K19CSUN01108	B.Tech (CSE)	Infozech Software Pvt.Ltd.	4
21 1	Ashutosh	2K19CSUN01128	B.Tech (CSE)	Infozech Software Pvt.Ltd.	4

21 2	Rachit Arora	2K19CSUN01160	B.Tech (CSE)	Noventiq	4
21 3	Shivangi Jaitly	2K19CSUN01181	B.Tech (CSE)	Coforge Ltd Special Economic Zone, Plot No. TZ-2 & 2A, Sector - Tech Zone, Greater Noida (UP) - 201308, India.	4.25
21 4	Keshav Thakur	2K19CSUN03010	B.Tech (CSE)	Trilyo Bangalore	3.6
21 5	Mayank Saxena	2K19CSUN04015	B.Tech (CSE)	Capgemini Airod MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
21 6	Ujjwal Chauhan	2K19CSUN04027	B.Tech (CSE)	Rightchoice.Ai	4.2
21 7	Vaibhav Singh	2K19CSUN04029	B.Tech (CSE)	HCL Technologies	4.25
21 8	Abhinn	2K19CSUN03001	B.Tech (CSE)	HCL Technologies	4.25
21 9	Archita Paul	2K19CSUN03003	B.Tech (CSE)	Capgemini Airod MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
22 0	Aryaman Jayaswal	2K19CSUN03006	B.Tech (CSE)	Capgemini Airod MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
22 1	Rohit Tandon	2K19CSUN03018	B.Tech (CSE)	Capgemini Airod MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
22 2	Satvik Mittal	2K19CSUN03019	B.Tech (CSE)	HCL Technologies	4.25
22 3	Shikhar Kapasia	2K19CSUN03021	B.Tech (CSE)	HCL Technologies	4.25
22 4	Satvik Bareja	2K19CSUN01110	B.Tech (CSE)	Infoztech Software Pvt. Ltd. A 24/5, Mohan Co-operative Industrial Estate, New Delhi 110044	4
22 5	Kautilya Bhardwaj	2K19CSUN01028	B.Tech (CSE)	Ex Squared solutions Plot No. 35, 1st Floor, Sector-27A, Faridabad-121003	4.2
22 6	Shubham Yadav	2K19CSUN03022	B.Tech (CSE)	Libsys	6
22 7	Gautam Negi	2K19CSUN01135	B.Tech (CSE)	Infoztech Software Private Limited	4
22 8	Ishika Kataria	2K19CSUN01137	B.Tech (CSE)	Intellect Partners Consulting LLP Office Address - 2/12, 3 Floor, Mall Road, Tilak Nagar, New Delhi, ZIP - 110018, India , Registered Address - # 70, FF, M- Block, Vikaspuri, New Delhi, ZIP 110018, India	4
22 9	Himanshu Vashishth	2K19CSUN01084	B.Tech (CSE)	Intellect Partners Consulting LLP Office Address - 2/12, 3 Floor, Mall Road, Tilak Nagar, New Delhi, ZIP - 110018, India , Registered Address - # 70, FF, M- Block, Vikaspuri, New Delhi, ZIP 110018, India	4
23 0	Pradeep Kumar	2K19CSUN01042	B.Tech (CSE)	Technocraze Computing Solution Pvt. Ltd.	3.75
23 1	Tushar Juneja	2K19CSUN01118	B.Tech (CSE)	Ericsson Knowledge Boulevard, A Block, Block A, Industrial Area, Sector 62, Noida, Uttar Pradesh 201309	3.75

23 2	Saurav Saini	2K19CSUN01053	B.Tech (CSE)	Ericsson Knowledge Boulevard, A Block, Block A, Industrial Area, Sector 62, Noida, Uttar Pradesh 201310	3.75
23 3	Varun Bhadana	2K19CSUN04030	B.Tech (CSE)	Comviva Capital Cyberspace, Sector 59, Golf Course Road, Gurugram-122102, Haryana	3.75
23 4	Jatin Goyal	2K19CSUN01138	B.Tech (CSE)	Noventiq	4
23 5	Manish Gupta	2K19CSUN01035	B.Tech (CSE)	Amadeus Labs 6 Etamin B Block, Prestige Tech Park Internal Rd, Kadubeesanahalli, Marathahalli, Bengaluru, Karnataka 560103	11.41
23 6	Aditi	2K19CSUN01006	B.Tech (CSE)	Infoztech Software Private Limited A 24/5, Mohan Co-operative Industrial Estate, New Delhi 110044	4
23 7	Milan Nain	2K19CSUN01150	B.Tech (CSE)	VVPL	4
23 8	Mohak Sharma	2K19CSUN01151	B.Tech (CSE)	Radico	3.86
23 9	Aman Singh Bhadauria	2K19CSUN01010	B.Tech (CSE)	Legato Health Technologies	4.25
24 0	Ishi Vashishtha	2K19CSUN01023	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 1	Karun Kumar	2K19CSUN01027	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 2	Kunal	2K19CSUN01031	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 3	Piyush Raj	2K19CSUN01041	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 4	Akash Rawat	2K19CSUN01067	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 5	Gaurav	2K19CSUN01079	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 6	Mohit	2K19CSUN01094	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 7	Monu Kumar	2K19CSUN01095	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 8	Princey Saini	2K19CSUN01104	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
24 9	Srijan	2K19CSUN01113	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25

250	Amaan Khan	2K19CSUN01124	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
251	Chirag Pahuja	2K19CSUN01130	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
252	Prince	2K19CSUN01158	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
253	David Anand Levi	2K19CSUN01016	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
254	Guneer Singh	2K19CSUN01019	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
255	Harsh Kumar	2K19CSUN01020	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
256	Muddassir Hasan	2K19CSUN01038	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
257	Pankaj Singh	2K19CSUN01040	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
258	Pushpende r	2K19CSUN01047	B.Tech (CSE)	Nokia Green Boulevard-B9, Tower A, Sector 62, Noda -201301, Uttar Pradesh, India	6
259	Aashish Kumar Aman	2K19CSUN01122	B.Tech (CSE)	Prolifics	4
260	Divyansh Kamboj	2K19CSUN01133	B.Tech (CSE)	Prolifics	4
261	Kunal Bhadana	2K19CSUN01144	B.Tech (CSE)	Prolifics	4
262	Md Sarfuddin	2K19CSUN01148	B.Tech (CSE)	Prolifics	4
263	Prayas Samal	2K19CSUN01156	B.Tech (CSE)	Prolifics	4
264	Ujwal Ray Bhatta	2K19CSUN01175	B.Tech (CSE)	Prolifics	4
265	Vishwas Tokas	2K19CSUN01177	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201031	6
266	Anas Mansoor	2K19CSUN01011	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201032	6
267	Hemang Chauhan	2K19CSUN01021	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201033	6
268	Mohd Sahil	2K19CSUN01037	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201034	6

269	Pushpendra Kaushik	2K19CSUN01046	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201035	6
270	Saurav Singh	2K19CSUN01054	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201036	6
271	Shubham Gajanan Kanfode	2K19CSUN01056	B.Tech (CSE)	Cloudsufi India Private Limited UG Floor, Smartworks, World Trade Tower, Sector 16, Noida, Uttar Pradesh 201037	6
272	Abhishek	2K19CSUN01063	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
273	Anand Prakash	2K19CSUN01068	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
274	Dikraj Kalita	2K19CSUN01077	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
275	Durbha Lovish	2k19CSUN01078	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
276	Govind Kumar Mandal	2K19CSUN01081	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
277	Harshit Bhardwaj	2K19CSUN01083	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
278	Murari Venkata Ramana	2k19CSUN01097	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	6
279	Shubham Goyal	2K19CSUN01170	B.Tech (CSE)	Legato Health Technologies	5.76
280	Abhay Kaushik	2K19CSUN01003	B.Tech (CSE)	Legato Health Technologies	5.76
281	Abhishek Jhaldiyal	2K19CSUN01004	B.Tech (CSE)	Legato Health Technologies	5.76
282	Akash Kumar Patra	2K19CSUN01007	B.Tech (CSE)	Legato Health Technologies	5.76
283	Kirti Singh	2K19CSUN01029	B.Tech (CSE)	Axeno Plot 111, Riana Towers, Sector 136, Noida, Uttar Pradesh 201305	5.5

284	Nikhil Yadav	2K19CSUN01039	B.Tech (CSE)	Axeno Plot 111, Riana Towers, Sector 136, Noida, Uttar Pradesh 201305	5.5
285	Pratham	2K19CSUN01043	B.Tech (CSE)	Axeno Plot 111, Riana Towers, Sector 136, Noida, Uttar Pradesh 201305	5.5
286	Priyanka Pahuja	2K19CSUN01044	B.Tech (CSE)	Axeno Plot 111, Riana Towers, Sector 136, Noida, Uttar Pradesh 201305	5.5
287	Punit Phagna	2K19CSUN01045	B.Tech (CSE)	Xebia	6.6
288	Aaryan Srivastava	2K19CSUN01062	B.Tech (CSE)	Xebia	6.6
289	Abin Baby	2K19CSUN01064	B.Tech (CSE)	Xebia	6.6
290	Aditi Singh	2K19CSUN01065	B.Tech (CSE)	Xebia	6.6
291	Ashish Kohli	2K19CSUN01072	B.Tech (CSE)	Xebia	6.6
292	Sahil Gill	2K19CSUN01106	B.Tech (CSE)	Xebia	6.6
293	Rishabh Garg	2K19CSUN04019	B.Tech (CSE)	Entrepreneurship Bobby Video World, https://www.bharatsignage.com/	
294	Rahul Raghav	2K19CSUN01162	B.Tech (CSE)	Entrepreneurship (My Social Fox)	
295	Ayush Kumar Jha	2K19MEUN03004	B.Tech (ME)	Adp	4.5
296	Lakshay Sharma	2K19MEUN03009	B.Tech (ME)	Carrier Corporation	6.5
297	Manas Mangla	2K19MEUN03010	B.Tech (ME)	Pranav Vikas India Pvt Ltd	3.6
298	Mandeep Singh	2K19MEUN03011	B.Tech (ME)	Lutron	5.24
299	Nishant Dwivedi	2K19MEUN03013	B.Tech (ME)	Lutron	3.98
300	Pritam Das	2K19MEUN03015	B.Tech (ME)	Jtekt India	3.8
301	Yajush Kaushik	2K19MEUN03024	B.Tech (ME)	Capgemini Airoil MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
302	Vinay Vats	2K19MEUN03023	B.Tech (ME)	Adp	4.5
303	Mohit Sanju	2K19MEUN03012	B.Tech (ME)	Pranav Vikas India Pvt Ltd	3.6
304	Prateek Sachdeva	2K19MEUN03014	B.Tech (ME)	E-Ashwa Automotive	3.6
305	Rajendra Tiruwa	2K19MEUN03017	B.Tech (ME)	Pranav Vikas India Pvt Ltd	3.6
306	Sudhir Parida	2K19MEUN03020	B.Tech (ME)	Lutron	3.5
307	Vikas Kushwaha	2K19MEUN03022	B.Tech (ME)	E-Ashwa Automotive	3.6
308	Pallavi Sharma	2K20MEUL03002	B.Tech (ME)	E-Ashwa Automotive	3.6
309	Karan Chaudhary	2K19MEUN03008	B.Tech (ME)	Jbm	7.44
310	Aryan Mittal	2K19MEUN03003	B.Tech (ME)	Christian Pfeiffer India Pvt. Ltd.	3
311	Puru Vohra	2K19MEUN03016	B.Tech	Entrepreneurship	

1			(ME)		
31 2	Tushar Aggarwal	2K19MEUN03021	B.Tech (ME)	Entrepreneurship	
31 3	Abhineet	2K19MEUN03001	B.Tech (ME)	KPMG India	2
31 4	Poorav Panchal	2K19ECUN02009	B.Tech (CSE)	Snug Technolgies Pvt. Ltd.	7
31 5	Kunal Dang	2K19ECUN02006	B.Tech (CSE)	Wns Global Servics Pvt. Ltd.	3.92
31 6	Aniket Jadon	2K19ECUN02002	B.Tech (CSE)	Aisal Analytics Private Limited	2.4
31 7	Tushar Sharma	2K19ECUN02012	B.Tech (CSE)	3 Pillars	3.5
31 8	Kartik Rastogi	2K19ECUN02004	B.Tech (CSE)	Trojan Hunt India Llp	3
31 9	Aishvarj Gupta	2K19ECUN02001	B.Tech (CSE)	Entrepreneurship	
32 0	Shubham Panwar	2K19ECUN02010	B.Tech (CSE)	Capgemini AiroI MIDC, Thane - Belapur Road, Navi Mumbai 400708, Maharashtra, India.	4.25
32 1	Gracy Singh	2K20CSUN01037	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	7
32 2	Chenchupalli	2K20CSUN04012	B.Tech (CSE)	British Group plc.- Registered Office: 1 Braham Street, London, E1 8EE United Kingdom. Registered in England no. 4190816.	8.92
32 3	Dheeraj Gupta	2K20CSUN01033	B.Tech (CSE)	Ex-Squared Solutions- Plot No 35, Sector 27/A, Faridabad, Haryana 121003	9
32 4	Simar Jyot Narang	2K20CSUN04047	B.Tech (CSE)	British Telecom- 1 Braham Street, London, E1 8EE United Kingdom	8.92
32 5	Manya Bhardwaj	2K20CSUN01066	B.Tech (CSE)	AVIZVA AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	7
32 6	Pulkit Upadhyay	2K20CSUN01081	B.Tech (CSE)	British Telecom : 1 Braham Street, London, E1 8EE United Kingdom	8.92
32 7	Atharva Shukla	2K20CSUN01017	B.Tech (CSE)	Crowe llp	6
32 8	Shruti Choudhary	2K20CSUN01101	B.Tech (CSE)	Persistent Systems	5.1
32 9	Avanya Chaudhary	2K20CSUN04007	B.Tech (CSE)	Persistent Systems	5.1
33 0	Gunjeet Singh	2K20CSUN01039	B.Tech (CSE)	Ex-Squared Solutions- PLOT N0 35 27/A FARIDABAD	9
33 1	Tushar Ambawata	2K20CSUN01112	B.Tech (CSE)	Comviva Capital Cyberspace, Sector 59, Golf Course Road, Gurugram-122102,Haryana	3.75
33 2	Yash Sharma	2K19CSUL01003	B.Tech (CSE)	Comviva Capital Cyberspace, Sector 59, Golf Course Road, Gurugram-122102,Haryana	3.75

333	Tuhin Tarafder	2K20CSUN04051	B.Tech (CSE)	Commvault: 9th Floor, Quay Building, Bagmane tech park, Bhuvanewari Nagar, C V Raman Nagar, Bengaluru, Karnataka 560093	32.99
334	Tannu	2K20CSUN01108	B.Tech (CSE)	British Group plc. Registered Office: 1 Braham Street, London, E1 8EE United Kingdom. Registered in England no. 4190816.	8.92
335	Kunal Arora	2K20CSUN01060	B.Tech (CSE)	H-149, 1st Floor, Office No. 101, Sector-63, Noida-201301	6.0, 7.2
336	Jai Kaushik	2K20CSUN05009	B.Tech (CSE)	To The New: 2nd Floor, Nsl Techzone It Sez, Noida-Greater Noida Expy, Sector 144, Noida, Uttar Pradesh 201306	4.5
337	Abhay Parashar	2K20CSUN05001	B.Tech (CSE)	Lumiq: 9th Floor, TOWER-A, Noida One, 901, Sector 62, Noida, Uttar Pradesh 201301	8
338	Arun Sharma	2K20CSUN04005	B.Tech (CSE)	QSS Technosoft Pvt. Ltd. ISO 27001:2013 Certified CMMI-3 H-149, 1 st Floor, Office No. 101, Sector-63, Noida-201301	7.2
339	Tisha Garg	2K20CSUN05020	B.Tech (CSE)	QSS Technosoft Pvt. Ltd. H-149,1st floor, office no 101, sector 63, Noida -201301	7.2
340	Saurav Srivastava	2K20CSUN01096	B.Tech (CSE)	QSS Technosoft Pvt. Ltd. Sector-63,Noida,Uttar Pradesh	7.2
341	Taha Siddiqui	2K21CSUL04001	B.Tech (CSE)	H-149, 1st Floor, Office No. 101, Sector-63, Noida-201301	7.2
342	Pushpende r Singh	2K20CSUN05016	B.Tech (CSE)	Planet Spark C-406, Nirvana Country, Sector 50, Gurugram, Haryana 122018	6.5
343	Lakshay Chaudhary	2K20CSUN04033	B.Tech (CSE)	WINSPARK INNOVATIONS LEARNING PVT LTD. 1108-1109, 11th floor, JMDMegapolis, Sohna Road, Gurgaon http://www.planetspark.in	6.5
344	Khyati Gupta	2K20CSUN04030	B.Tech (CSE)	Planet Spark C-406, Nirvana Country, Sector 50, Gurugram, Haryana 122018	6.5
345	Vikas Raghav	2K20CSUN01122	B.Tech (CSE)	Planet Spark C-406, Nirvana Country, Sector 50, Gurugram, Haryana 122018	6.5
346	Vasu Sukhija	2K20CSUN01120	B.Tech (CSE)	Planet Spark C-406, Nirvana Country, Sector 50, Gurugram, Haryana 122018	6.5
347	Harsh Chauhan	2K20CSUN01041	B.Tech (CSE)	Planet Spark C-406, Nirvana Country, Sector 50, Gurugram, Haryana 122018	6.5
348	Deven Chaudhary	2K20CSUN01031	B.Tech (CSE)	Planet Spark C-406, Nirvana Country, Sector 50, Gurugram, Haryana 122018	6.5
349	Daksh Chauhan + 2	2K20CSUN01028	B.Tech (CSE)	Planet Spark C-406, Nirvana Country, Sector 50, Gurugram, Haryana 122018	6.5

350	Drishti Kemni	2K20CSUN04019	B.Tech (CSE)	AVIZVA SOLUTIONS PRIVATE LIMITED, Building No. 14, 16th Floor, Tower - D, DLF Cyber City, DLF Phase 3, Sector - 25A, Gurugram - 122002, Haryana	7
351	Varun Garg	2K20CSUN01119	B.Tech (CSE)	DeltaX: H7Q4+JCM, Nizamuddin Entry II, Block D, Nagli Rajapur, Nizamuddin East, New Delhi, Delhi 110013	7.01
352	Lakshay Gupta	2K20CSUN04034	B.Tech (CSE)	UNITECH CYBER PARK, Durga Colony, Sector 39, Gurugram	6.63
353	Khushi Arora	2K20CSUN01058	B.Tech (CSE)	Expert Lancing & Accenture	4.00-4.50
354	Vansh Singh Bisht	2K20CSUN04052	B.Tech (CSE)	Accenture	4.5
355	Lalit Kumar	2K20CSUN01062	B.Tech (CSE)	Accenture	4.5
356	Aditya Sharma	2K20CSUN04001	B.Tech (CSE)	Accenture	4.5
357	Diksha Sachdeva	2K20CSUN04016	B.Tech (CSE)	Accenture	4.5
358	Himanshu	2K20CSUN01045	B.Tech (CSE)	Cargo Flash: Udyog Vihar Phase 4 Rd, Phase IV, Udyog Vihar, Sector 18, Gurugram, Haryana 122008	2.16
359	Shivam Rawat	2K20CSUN01099	B.Tech (CSE)	Cargo Flash: Udyog Vihar Phase 4 Rd, Phase IV, Udyog Vihar, Sector 18, Gurugram, Haryana 122008	2.16
360	Agastya Singh	2K20CSUN03001	B.Tech (CSE)	Cargo Flash: Udyog Vihar Phase 4 Rd, Phase IV, Udyog Vihar, Sector 18, Gurugram, Haryana 122008	2.16
361	Vishal Samal	2K20CSUN01123	B.Tech (CSE)	Cargo Flash: Udyog Vihar Phase 4 Rd, Phase IV, Udyog Vihar, Sector 18, Gurugram, Haryana 122008	2.16
362	Madhur Goel	2K20CSUN03005	B.Tech (CSE)	Cargo Flash: Udyog Vihar Phase 4 Rd, Phase IV, Udyog Vihar, Sector 18, Gurugram, Haryana 122008	2.16
363	Arsh Lakina	2K20CSUN01013	B.Tech (CSE)	Cargo Flash: Udyog Vihar Phase 4 Rd, Phase IV, Udyog Vihar, Sector 18, Gurugram, Haryana 122008	2.16
364	Tushar Galgal	2K20CSUN01114	B.Tech (CSE)	Accenture	4.5
365	Chaitanya Handa	2K20CSUN01024	B.Tech (CSE)	10xGrowth : D1101, Shree Krishna Complex, Western Express Highway, Borivali East. Mumbai -400 066 India	
366	Surbhi Wadhawan	2K20CSUN01105	B.Tech (CSE)	10xGrowth : Grow without Limits D1 101, Shree Krishna Complex, Western Express Highway, Borivali East. Mumbai 400 066	
367	Sahil Ahmad	2K20CSUN01092	B.Tech (CSE)	EX Squared Solutions, Sector 27/A plot no : 35	35K
368	Molleti Surya Pradeep	2K20CSUN04037	B.Tech (CSE)	EX Squared Solutions, Sector 27/A plot no : 35	35K

369	Harmandeep Singh	2K20MEUN03003	B.Tech (CSE)	Amber Enterprises India Ltd Universal Trade Tower, 1st Floor, Sector 49, Sohna Road Gurgaon- 122018, Haryana, India	3
370	Gokul Das	2K20MEUN03002	B.Tech (CSE)	LG Electronics India Pvt Ltd. Udyog Vihar Extension, Ecotech-II, Surajpur, Greater Noida, Namauli, Uttar Pradesh 201306	25K




Government of India

Form GST REG-06

[See Rule 10(1)]

Registration Certificate

Registration Number :06AAATU5658A1ZL

1.	Legal Name	UTHAN EDUCATIONAL TRUST			
2.	Trade Name, if any	MANAV RACHNA UNIVERSITY			
3.	Additional trade names, if any				
4.	Constitution of Business	Society/ Club/ Trust/ AOP			
5.	Address of Principal Place of Business	BUNGALOW PLOT, 5E/A-1, MANAV RACHNA, NEAR NEELAM CHOWK, N.I.T, Faridabad, Haryana, 121001			
6.	Date of Liability				
7.	Date of Validity	From	18/04/2018	To	Not Applicable
8.	Type of Registration	Regular			
9.	Particulars of Approving	Centre Goods and Services Tax Act, 2017			
Signature					
Name		Jatindra Khurana			
Designation		Superintendent			
Jurisdictional Office		Faridabad (North) Ward 2			
Date of issue of Certificate		28/02/2023			
Note: The registration certificate is required to be prominently displayed at all places of Business/Office(s) in the State.					

This is a system generated digitally signed Registration Certificate issued based on the approval of application granted on 28/02/2023 by the jurisdictional authority.



Goods and Services Tax Identification Number: 06AAATU5658A1ZL

Details of Additional Place of Business(s)

Legal Name UTHAN EDUCATIONAL TRUST

Trade Name, if any MANAV RACHNA UNIVERSITY

Additional trade names, if any

Total Number of Additional Places of Business(s) in the State 1

1 Sector-43, Delhi-Surajkund Road, Faridabad, Faridabad, Haryana, 121001







Goods and Services Tax Identification Number: 06AAATU5658A1ZL

Legal Name UTHAN EDUCATIONAL TRUST

Trade Name, if any MANAV RACHNA UNIVERSITY

Additional trade names, if any

Details of Members of Managing Committee

1		Name	PRASHANT BHALLA
		Designation/Status	TRUSTEE
		Resident of State	Haryana
2		Name	SATYA BHALLA
		Designation/Status	TRUSTEE
		Resident of State	Haryana
3		Name	AMIT BHALLA
		Designation/Status	TRUSTEE
		Resident of State	Haryana
4		Name	ATUL KALRA
		Designation/Status	TRUSTEE
		Resident of State	Delhi


UTHAN EDUCATIONAL TRUST
5E/1A, B.P., NIT, FARIDABAD
BALANCE SHEET AS ON 31ST MARCH, 2023

	SCHEDULE	AS ON 31.03.23 AMOUNT (Rs.)
<u>SOURCES OF FUNDS :</u>		
CORPUS FUND		11,000
DEVELOPMENT FUND		2,43,84,000
RESERVE & SURPLUS		2,89,28,568
SECURED LOANS	A	28,36,83,945
UNSECURED LOANS		21,38,00,000
LONG TERM LIABILITIES	B	1,05,61,996
TOTAL		56,13,69,509
 <u>APPLICATION OF FUNDS :</u>		
<u>PROPERTY PLANT & EQUIPMENTS</u>		
GROSS BLOCK	C	1,19,96,27,519
LESS : DEPRECIATION/AMORTIZATION		69,84,13,030
NET BLOCK		50,12,14,489
CWIP		5,67,24,310
		55,79,38,799
 <u>CURRENT ASSETS</u>		
FIXED DEPOSIT WITH BANK	D	7,14,34,851
STOCK OF CONSUMABLE ETC.		7,61,807
RECEIVABLES	E	1,11,45,917
CASH & BANK BALANCE		54,92,647
ADVANCES	F	79,13,130
		9,67,48,352
 <u>CURRENT LIABILITIES & PROVISIONS</u>		
SUNDRY CREDITORS		5,54,59,986
EXPENSES & STATUTORY DUE PAYABLE	G	2,77,31,896
OTHER CURRENT LIABILITIES	H	1,01,25,760
		9,33,17,642
NET CURRENT ASSETS		34,30,710
 TOTAL		56,13,69,509

SIGNIFICANT ACCOUNTING POLICY AND SCHEDULE
FORMING PART OF BALANCE SHEET
AS PER OUR REPORT OF EVEN DATE ATTACHED IN FORM OF 10B

FOR AKHILESH CHANDRA GUPTA
CHARTERED ACCOUNTANTS

For UTHAN EDUCATIONAL TRUST


AKHILESH CHANDRA GUPTA
(PROPRIETOR)
MEMBERSHIP No. : 085901
PLACE : FARIDABAD
DATE : 11-09-2023




(TRUSTEE)




UTHAN EDUCATIONAL TRUST
55/7A, B.P., NIT, FARIDABAD
INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD ENDED 31.03.2023


	SCHEDULE	AS ON 31.03.23 AMOUNT (Rs.)
<u>INCOME :</u>		
FEES FROM STUDENTS		47,83,82,668
INTEREST INCOME		40,58,124
OTHER INCOME/RECEIPTS	I	4,18,75,091
TOTAL OF INCOME		52,43,15,883
 <u>EXPENSES :</u>		
PERSONNEL EXPENSES	J	22,96,35,619
STUDENT WELFARE & TRAINING EXPENSES	K	4,70,88,796
BOOKS & SUBSCRIPTION CHARGES		24,03,879
IT & COMMUNICATION		21,13,829
RESEARCH & DEVELOPMENT EXPENSES		2,00,590
OPERATIONAL & ADMINISTRATIVE EXPENSES	L	13,28,18,805
FINANCIAL EXPENSES	M	3,19,98,537
TOTAL OF EXPENSES		44,62,60,055
 EXCESS OF INCOME OVER EXPENDITURE		 7,80,55,828
 DEPRECIATION	C	 5,11,13,712
 EXCESS OF INCOME OVER EXPENDITURE		 2,69,42,116
 SURPLUS\ (DEFICIT) BROUGHT FORWARD FROM LAST YEAR		 19,86,452
BALANCE CARRIED TO BALANCE SHEET		2,89,28,568


SIGNIFICANT ACCOUNTING POLICY AND SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT AS PER OUR REPORT OF EVEN DATE ATTACHED IN FORM OF 10B


FOR AKHILESH CHANDRA GUPTA
CHARTERED ACCOUNTANTS

For UTHAN EDUCATIONAL TRUST


AKHILESH CHANDRA GUPTA
(PROPRIETOR)
MEMBERSHIP No. : 085901
PLACE : FARIDABAD
DATE : 11-09-2023




(TRUSTEE)


(TRUSTEE)



UTHAN EDUCATIONAL TRUST

SCHEDULES FORMING PART OF BALANCE SHEET

AS ON
31ST MARCH, 2023

	SCHEDULE-"A"
	AMOUNT (Rs)
SECURED LOANS	
HDFC BANK LTD LOANS	24,00,59,161
HDFC BANK LTD OD ACCOUNT	3,99,72,216
HP FINANCIAL SERVICES	27,17,083
TOTAL	28,36,83,945
	SCHEDULE-"B"
	AMOUNT (Rs)
LONG TERM LIABILITIES/FUND	
SECURITY FROM STUDENT	55,51,316
SECURITY FROM STAFF	35,65,680
SECURITY FROM SUPPLIERS	3,45,000
INSTITUTION OF LATE SH.LAHOTI(FOR PRIZE MEDAL)	11,00,000
TOTAL	1,05,61,996
	SCHEDULE-"D"
	AMOUNT (Rs)
FIXED DEPOSIT	
FIXED DEPOSIT WITH BANK	6,61,99,000
INTEREST ACCURED ON FDR	52,35,851
TOTAL	7,14,34,851
	SCHEDULE-"E"
	AMOUNT (Rs)
RECEIVABLES	
FEES RECEIVABLES FROM STUDENTS	1,05,03,149
OTHER RECEIVABLE	6,42,768
TOTAL	1,11,45,917
	SCHEDULE-"F"
	AMOUNT (Rs)
ADVANCES	
ADVANCE TO SUPPLIERS	30,98,946
ADVANCE TO STAFF	1,83,836
SECURITY DEPOSIT	19,60,500
PREPAID EXPENSES	11,07,466
TDS/TCS RECEIVABLE FROM I.T. DEPTT.	15,62,382
TOTAL	79,13,130



For UTHAN EDUCATIONAL TRUST


(TRUSTEE)


(TRUSTEE)



UTHAN EDUCATIONAL TRUST

SCHEDULES FORMING PART OF BALANCE SHEET

AS ON
31ST MARCH, 2023

	SCHEDULE-"G"
	AMOUNT (Rs)
EXPENSES & STATUTORY DUES PAYABLE	
TDS PAYABLE	39,85,044
E.S.I. PAYABLE	1,355
P.F. PAYABLE	69,780
GST PAYABLE	90,560
SALARY & WAGES PAYABLE	1,93,28,247
AUDIT FEES PAYABLE	2,47,500
OTHER EXPENSES PAYABLE	40,09,410
TOTAL	2,77,31,896

	SCHEDULE-"H"
	AMOUNT (Rs)
OTHER CURRENT LIABILITIES	
SECURITY FROM STUDENTS	37,76,587
OTHER CURRENT LIABILITIES	26,38,748
FEE RECEIVED IN ADVANCE	37,10,425
TOTAL	1,01,25,760

For UTHAN EDUCATIONAL TRUST



(Signature)
(TRUSTEE)

(Signature)
(TRUSTEE)



UTHAN EDUCATIONAL TRUST

SCHEDULES FORMING PARTS OF INCOME & EXPENDITURE ACCOUNT

FOR YEAR ENDED
31ST MARCH, 2023

SCHEDULE-'I'	
OTHER INCOME/RECEIPTS	AMOUNT (Rs)
ALMUNI FEES	23,04,000
ALMUNI DONATION	14,80,000
DONATION RECEIVED	87,30,400
RESEARCH, CONSULTANCY & AUXILIARY SERVICES	2,42,92,075
PROJECT INCOME	42,79,718
OTHER RECEIPTS	7,88,898
TOTAL	4,18,75,091

SCHEDULE-'J'	
PERSONNEL EXPENSES	AMOUNT (Rs)
SALARY TO FACULTY INCLUDING ALL ALLOWANCES	14,38,64,198
SALARY TO NON TEACHING STAFF	5,16,10,396
CONTRACTUAL STAFF	1,80,97,783
VISITING FACULTY(INCLUDING KNOWLEDGE PARTNER)	1,35,69,793
EMPLOYER SHARE TO P.F.	4,33,228
EMPLOYER SHARE TO ESI	17,768
GRATUITY	6,42,676
STAFF WELFARE EXPENSES	13,99,777
TOTAL	22,96,35,619

SCHEDULE-'K'	
STUDENT WELFARE & TRAINING EXPENSES	AMOUNT (Rs)
STUDENT WELFARE EXPENSES	49,21,686
SPORTS EXPENSES	8,77,685
SCHOLARSHIP & DISCOUNTS	3,32,79,118
STUDENT TRAINING & LAB CONSUMABLES	80,10,307
TOTAL	4,70,88,796

For UTHAN EDUCATIONAL TRUST



[Signature]
(TRUSTEE)

[Signature]
(TRUSTEE)



UTHAN EDUCATIONAL TRUST

SCHEDULES FORMING PARTS OF INCOME & EXPENDITURE ACCOUNT

FOR YEAR ENDED
31ST MARCH, 2023

SCHEDULE-"L"	
OPERATIONAL & ADMINISTRATIVE EXPENSES	AMOUNT (Rs)
ELECTRICITY EXPENSES	1,69,78,416
REPAIR AND MAINTENANCE EXPENSES	64,96,940
COMMUNITY OUTREACH EXPENSES	21,04,396
ACCREDITATION/INSPECTION/AFFILIATION CHARGES	38,32,561
STUDENT ADMISSION,EVALUATION & ASSESSMENT	6,70,93,050
FACULTY & STAFF DEVELOPMENT	30,66,054
CONVEYANCE AND TRAVELLING	7,96,021
PROFESSIONAL AND CONSULTANCY CHARGES	18,71,148
PRINTING AND STATIONERY	43,03,037
PROJECT EXPENSES	42,31,477
RENT	27,27,374
RATES & TAXES	5,47,737
MESS EXPENSES	1,69,74,140
INSURANCE EXPENSES	10,37,480
MEMBERSHIP & SUBSCRIPTION	4,73,304
AUDIT FEE	2,75,000
OTHER ADMINISTRATIVE EXPENSES	8,670
TOTAL	13,28,18,805

SCHEDULE-"M"	
FINANCIAL EXPENSES	AMOUNT (Rs)
INTEREST ON SECURED LOAN	2,03,03,599
INTEREST ON UNSECURED LOAN	1,10,62,490
FINANCIAL CONSULTANCY	3,54,618
BANK CHARGES	2,77,830
TOTAL	3,19,98,537

For UTHAN EDUCATIONAL TRUST




(TRUSTEE)


(TRUSTEE)





LITHIAN EDUCATIONAL TRUST
 REGD. O.P. NT, FARIDABAD
 SCHEDULE OF PROPERTY PLANT & EQUIPMENTS AS ON 31.03.2023

DETAIL OF ASSETS	DEP. RATE	GROSS BLOCK				DEPRECIATION BLOCK				NET BLOCK	
		GROSS AS ON 01.04.22	ADDITION BEFORE & CN 01.10.22	AFTER 01.10.22	TRANSFER/ SALE	AS ON 01.04.22	FOR THE YEAR	AS ON 31.03.23	WDV AS ON 31.03.2023	WDV AS ON 31.03.2023	AS ON 31.03.2023
LAND	NIL	59,38,722	-	-	-	-	-	-	59,38,702	59,38,702	-
BUILDING	10%	79,35,34,429	5,30,95,009	-	-	47,08,37,256	3,73,87,618	50,82,24,874	33,64,28,564	31,09,81,175	7,65,35,700
INTANGIBLE ASSETS	0%	7,68,35,322	-	-	-	-	-	-	-	-	-
EQUIPMENTS:											
LAB EQUIPMENTS:											
Computer Lab	40%	2,88,27,729	-	4,86,699	-	2,92,69,663	3,20,424	2,95,90,997	7,28,689	5,66,689	
Electronic Lab	15%	86,54,289	8,31,251	3,30,729	-	79,43,249	3,51,750	74,34,999	23,85,271	16,14,360	
Mechanical Lab	15%	1,11,06,189	-	-	-	90,66,285	3,05,944	93,72,309	17,25,913	10,39,959	
Physics Lab	15%	23,41,725	-	35,43,809	-	15,25,289	2,38,297	17,63,706	51,23,819	8,16,616	
Chemistry Lab	15%	46,81,099	-	46,81,099	-	25,87,899	3,11,053	28,99,044	17,62,646	20,29,202	
Research & Development Lab	15%	1,56,58,099	35,97,820	10,38,441	-	70,46,584	31,09,284	89,25,965	1,13,28,679	86,11,572	
OFFICE & ELECTRIC EQUIPMENTS	15%	6,21,24,521	16,76,003	43,46,564	-	4,76,31,669	29,62,289	5,02,23,769	3,65,19,669	1,24,98,871	
COMPUTERS	40%	2,32,83,915	13,500	15,500	-	1,72,47,879	30,21,683	2,27,89,482	1,66,57,877	40,15,036	
SOFTWARE	40%	36,95,608	4,72,000	-	-	35,92,683	2,31,685	38,24,368	3,67,608	1,07,913	
VEHICLES:											
Car	15%	32,98,644	12,77,404	-	-	16,30,110	3,76,375	20,00,285	20,97,695	16,68,534	
FURNITURE & FIXTURES	10%	3,64,55,729	46,84,672	96,87,841	-	3,59,33,294	28,84,289	3,89,05,323	3,17,02,517	2,05,34,495	
LIBRARY BOOKS	40%	1,33,45,238	4,28,329	4,98,633	-	1,28,79,432	5,38,267	1,34,35,627	15,28,616	6,69,818	
TOTAL (A)		1,29,87,83,289	6,26,24,284	2,94,05,832	-	6,78,106	5,11,13,722	64,72,99,283	50,32,14,686	45,94,03,915	
CWIP (B)	NIL	4,94,08,953	1,72,75,668	4,33,38,318	-	-	-	-	-	5,67,24,910	4,94,08,953
TOTAL (A+B)		1,34,81,92,242	8,21,21,682	7,08,24,128	-	5,28,72,317	5,11,13,722	64,72,99,283	50,32,14,686	51,61,28,825	50,88,02,868

DEPRECIATION HAS BEEN PROVIDED ON W.D.V. METHOD AS PER RATE SPECIFIED IN I.T. ACT, 1961
 (NOTE: DEFERRED REVENUE EXPENDITURE HAS BEEN GROUPED UNDER INTANGIBLE ASSETS)

FOR ARCHISH CHANDRA GUPTA
 CHARTERED ACCOUNTANTS

AKHILESH CHANDRA GUPTA
 PROPRIETOR
 MEMBERSHIP No.: 08597
 PLACE: FARIDABAD
 DATE: 11-03-2023

For UTEIAN EDUCATIONAL TRUST
 (TRUSTEE)
 (TRUSTEE)

