

# INFORMATION BROCHURE

FOR ADMISSION TO

DOCTOR OF PHILOSOPHY- Ph.D.

MASTER OF TECHNOLOGY - M. Tech. (Full Time Sponsored/Part Time Sponsored)

MASTER OF PLANNING - M.Plan. (Full Time Sponsored/Part Time Sponsored)

(ODD SEMESTER 2022-23)



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR  
JLN MARG, MALVIYA NAGAR, JAIPUR-302017 (RAJASTHAN)

[www.mnit.ac.in](http://www.mnit.ac.in)

#### FOR FURTHER INFORMATION, PLEASE CONTACT:

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Telephone no. 0141- 2715038 **(Ph.D.)** (3.00 PM to 5.00 PM)  
0141- 2715046 **(PG)** (3.00 PM to 5.00 PM)  
Web Site: [www.mnit.ac.in](http://www.mnit.ac.in)

#### APPLICATION HAS TO BE FILLED ONLINE

(Link available at [www.mnit.ac.in](http://www.mnit.ac.in)).

- Start Date of Online Application :- 17-05-2022
- Last Date of submission of Online Application form :- 06-06-2022 (till 5.00 PM)

**Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by 10-06-2022.**

- Dates of written test & Interview of the :- 04<sup>th</sup>-06<sup>th</sup> July 2022  
shortlisted candidates
- Final Result :- 18-07-2022

#### NOTE :-

- *The Ph.D. entrance written test is exempted for the students who have cleared the National Level Examination viz; UGC NET JRF/CSIR JRF/DST Inspire (with scholarship) and can sustain their Ph.D. from external scholarship/assistantship. However, such candidates will be required to appear for the interview if shortlisted.*
- *No separate interview letter will be issued, the mode of written test and interview will be offline and the detailed schedule will be displayed on the institute website before 10-15 days of the examination.*
- *For more information on PG programmes please refer to Rules and Regulations given on institute website [www.mnit.ac.in](http://www.mnit.ac.in).*

## ADMISSION CATEGORIES (Ph.D.)

### FULL TIME

- i. Full Time with Institute Assistantship
- ii. Full Time with own scholarship
- iii. Full Time Sponsored

### PART TIME

- i. Part Time (candidate working within 70 km of Jaipur)
- ii. Institute Project Staff
- iii. Institute Faculty
- iv. Institute Staff
- v. Executive/Professional

### Off Campus

- i. Off Campus (Off Campus (beyond 70 km from Jaipur))

## 1. INTRODUCTION

Malaviya National Institute of Technology Jaipur is one of the 31 National Institutes of Technology in India. These Institutes have been created as centers of excellence for higher training, research and development in science, engineering and technology. Established as a College of Engineering College in 1963, the Institute was declared as National Institute of Technology in the year 2002. It was then accorded the status of deemed university with powers to decide its own academic policy, to conduct its own examinations and to award its own degrees.

The Institute offers undergraduate, postgraduate and research programmes through its Departments. The Institute admits on an average about 900 students for undergraduate (B.Tech./B.Arch.) programmes and about 650 students for the postgraduate and research (M. Tech./M. Planning/M.Sc./MBA/Ph.D.).

The institute offers four year undergraduate courses of study leading to the Bachelor of Technology degree in Chemical, Civil, Computer, Electrical, Electronics & Communication, Mechanical and Metallurgical & Materials Engineering and five year Bachelor of Architecture.

The institute offers full-time/part-time postgraduate programmes leading to the degree of Master of Technology in Chemical Engineering, Computer Engineering, Design Engineering, Disaster Assessment and Mitigation, Electronics & Communication Engineering, Thermal Engineering, Environmental Engineering, Industrial Engineering, Metallurgical & Materials Engineering, Power Systems, Power Systems Management, Production Engineering, Renewable Energy, Steel Technology, Structural Engineering, Transportation Engineering, VLSI Design, Embedded Systems, Earthquake Engineering, Power Electronics and Drives, Wireless and Optical Communication, Water Resources Engineering and Master of Planning (Urban Planning).

The Institute also offers full time MBA programmes in the Department of Management Studies and M.Sc. in Sciences (Physics, Chemistry and Mathematics).

The institute offers Full-time/Part-time Ph.D. programmes in Architecture & Planning, Civil, Chemical, Computer, Electrical, Electronics & Communication, Mechanical, Metallurgical & Materials, Energy & Environment, Sciences (Physics, Chemistry, Mathematics), Management and Humanities & Social Sciences, National Centre for Disaster Mitigation & Management and Materials Research Centre.

## 2. THE OBJECTIVE

The objectives of the postgraduate programmes - MBA, M.Plan., M. Tech./M. Plan. and Ph.D. at the Malaviya National Institute of Technology, Jaipur, India (MNIT) are as follows:

- To cultivate high standard of performance in teaching & research,
- To develop the scientific, managerial and engineering manpower of the highest quality to cater to the needs of the Industry, R&D organizations and academia,
- To provide opportunity to students to do research in cutting edge areas,
- To be a role model and leader of educational Institutions in the country,
- To provide a broad grasp of the fundamental principles of the sciences and scientific, managerial and technological methods through its curriculum,
- To provide a deep understanding of the areas of specialization,
- To provide an innovative ability to solve new and open problems,
- To provide a capacity to learn continually and interact with multidisciplinary groups,
- To develop the students with a capability for:
  - Free and objective enquiry
  - Courage and integrity
  - Awareness and sensitivity to the needs and aspirations of society.
  - Doing independent research in their chosen areas

With this end in view, the postgraduate programmes are designed to include courses of study, seminars, project and thesis submission through which a student may develop his concepts and intellectual skills.

The procedures and requirements stated in the "Rules and Regulation manual for PG Programmes" embody the philosophy of the postgraduate education & research and ensure the highest standards of performance in teaching and research at the Institute. Within this general framework, subject to the approval of the Senate Post-Graduate Board (SPGB)/Senate, the various departments/centres may impose such additional requirements as will serve their particular academic goals. The Rules and Procedures given in the manual are adhered to and implemented without any change and with all fairness. While considering an issue, if the manual does not specifically mention something, the same shall be forwarded by DPGC to SPGB/Senate for its consideration.

**Location:** MNIT Jaipur is situated on Jawahar Lal Nehru Marg in South of Jaipur. This Institute is about 10 km. away from the Jaipur Railway Station/Main Bus Stand and 5 km from the Airport. Frequent City transports are available to this Institute.

**Campus:** MNIT Jaipur is a residential Institution and provides residential facilities to the students as well as staff. The Institute campus area extends to 325 acres with many interesting topographical features, imaginatively laid out with picturesque landscape, numerous buildings and wide roads, the campus presents a spectacle of harmony in architecture and natural beauty.

The Central Library, Central Computer Centre and Design Centre of the institute are the backbone of the institution and are accessible to the students and staff of the institute.

### 3. CREDIT SYSTEM

Education at the Institute is organized around the credit system of study. The prominent features of the credit system are process of continuous evaluation of a student, performance, and a flexibility to allow a student to progress at an optimum pace suited to his/her ability or convenience subject to fulfilling minimum requirement for continuation.

Each course has a certain number of credits, which describe its weightage. A student's performance is measured by the number of credits that he/she has completed satisfactorily. A minimum number of earned credits should also be obtained in order to qualify for the degree.

The minimum academic requirements for the various degrees including minimum & maximum credits to be registered in a particular semester are indicated in the "Rules and Regulation manual for PG Programmes", which is available on Institute website.

Every course is co-ordinated by a member of the teaching staff of the department, which offers the course in a given semester. This faculty member is called the Course Co-ordinator. He has full responsibility for conducting the course, co-ordinating the work of the other members of the faculty involved in that course and for holding tests and assignments and awarding grades. For any difficulty a student is expected to approach the Course Co-ordinator for advice and clarification.

## 4. ADMISSIONS

### Academic Session

The academic session of the PG Programmes is divided into two semesters (odd and even). The odd semester will normally commence around July every year, and the even semester around January every year.

**The admissions to Ph.D. programme is made in both the regular semesters, however, admissions to M.Tech./M.Sc./M.Plan/MBA are made in the semester commencing in July.**

### 4.1 ELIGIBILITY FOR ADMISSION

- i. The eligibility conditions given below are the absolute minimum. Departments/Centres may prescribe any requirements over and above for short listing. All eligibility requirements **must be met by the date as prescribed in PG Rules & Regulations 2.4 (6&7) as follows:-**
  - a. The selected candidate, who has completed all the examinations including project/thesis examination and the viva voce before the date of registration but is unable to produce the certificate in proof of having passed and secured the minimum specified qualifying marks, may be considered for provisional admission. However, if admitted provisionally, they will be required to produce the evidence of their having passed (or at least appeared in) the qualifying degree examination by the last date of registration, failing which the admission may be cancelled.
  - b. The provisions in para 6 above shall not be applicable in the case of M.Tech./M.Plan./MBA student of this institute, who has been provisionally selected for admission to a Ph.D. programme. Such students will be admitted to the Ph.D. Programme subject to the condition that they must have successfully completed all the prescribed requirements including acceptance of their Thesis/Project in a particular semester by the last registration date as specified in the academic calendar.
- ii. The "specified minimum" CGPA/marks implies a minimum of 6.5 on the 10 point scale (60% marks, only where CGPA is not awarded) for Ph.D. with a relaxation for SC/ST implying minimum of 6.0 on the 10 point scale (55% marks, only where CGPA is not awarded) in qualifying degree (refer Table 1).
- iii. Reservation policy as prescribed by Government of India/MHRD from time to time shall be applicable.

### 4.2 M. TECH./M. PLAN. (FULL TIME WITH ASSISTANTSHIP)

The admissions to M.Tech./M.Plan. (Full Time with Assistantship) will be done through Centralized Counseling for M. Tech./M.Arch./M.Plan. (CCMT) for the year 2022-23. For more details and information brochure, please visit the website [www.ccmt.nic.in](http://www.ccmt.nic.in)

### 4.3 M. TECH./M. PLAN. (FULL TIME SPONSORED/PART-TIME)

Sponsored candidates are employees of a Public Sector Undertaking, a Government Department, a Research & Development organization, or a recognized private industry of repute (approved by SPGB on the recommendation of DPGC), or an Educational Institution, or be a Defence Sponsored Officer. Such candidates must be sponsored as Full-Time students.

Part-Time Candidates are Employees working in any Govt. organization/ Recognized private institutions

- i. The applicant must have a Bachelor's degree in Engineering/AMIE in appropriate discipline or a Master's degree in appropriate discipline with specified minimum CGPA/marks, as discussed above.
- ii. The applicant must have at least two years regular service
- iii. For working employees of MNIT, one year experience is required.

#### 4.4 DOCTOR OF PHILOSOPHY

##### 4.4.1 PH.D. IN ENGINEERING, ARCHITECTURE & PLANNING DISCIPLINE

The applicant must have a Master's degree in Engineering/Technology/Architecture/Planning with CGPA not below 6.5 on a 10-point scale or 60% marks (Where CGPA is not awarded). In exceptional cases brilliant candidates (graduated from CFTI and other institutions whose NIRF ranking is up to 100) with CGPA of more than 8 (75% marks) in Bachelors degree in Engineering/Architecture/Planning may be recommended by DPGC to SPGB for admission in Ph.D. program. Such candidates having, sufficient experience in the relevant area and publications in refereed conferences/journals as notified by DPGC, may also be considered.

##### 4.4.2 PH.D. IN HUMANITIES & SOCIAL SCIENCES

The applicant must have the master degree with CGPA not below 6.5 on a 10-point scale or 60% Marks (where CGPA is not awarded).

##### 4.4.3 PH.D. IN MANAGEMENT

The applicant must have a two-year post-graduate degree in management /commerce/ economics/ engineering / technology with CGPA not below 6.5 on a ten-point scale or 60% marks (where CGPA is not awarded)

##### 4.4.4 PH.D. IN SCIENCES (PHYSICS/CHEMISTRY/MATHEMATICS)

The applicant must have a Master's Degree in the relevant Science subject with CGPA not below 6.5 on a 10-point scale or 60% marks (where CGPA is not awarded).

#### 5. PH.D. ADMISSION CATEGORIES

| S.No. | Category   | Full Time/<br>Part Time | Exam | Interview | Experience | NOC/Consent | Institute<br>Scholarship | GATE/JGC-NET/<br>National level<br>exam |
|-------|--|-------------------------|------|-----------|------------|-------------|--------------------------|---|
|       |  |                         |      |           |            |             |                          |   |
| 1.    | Full Time with scholarship                           | Full Time               | ✓    | ✓         | x          | X           | ✓                        | ✓                                       |
| 2.    | Full Time with own scholarship                       |                         | x    | ✓         | x          | X           | x                        | ✓                                       |
| 3.    | Full Time Sponsored                                  |                         | ✓    | ✓         | ✓          | ✓           | x                        | x                                       |
| 4.    | Off Campus (beyond 70 km from Jaipur) Sponsored (PT) | Off Campus              | ✓    | ✓         | ✓          | ✓           | x                        | x                                       |
| 5.    | Part Time  | Part Time               | ✓    | ✓         | ✓          | ✓           | x                        | x                                       |
| 6.    | Project Staff (PT)                                   |                         | ✓    | ✓         | ✓          | ✓           | x                        | x                                       |
| 7.    | Faculty (PT)   |                         | ✓    | ✓         | ✓          | ✓           | x                        | x                                       |
| 8.    | Staff (PT)   |                         | ✓    | ✓         | ✓          | ✓           | x                        | x                                       |
| 9.    | Executive/Professional*                              |                         | x    | ✓         | ✓          | ✓           | x                        | x                                       |

**\*The eligibility requirements for the Ph.D Admission Category: Executive/Professional.**

- (1) Only candidates working in following organizations shall be considered:-
  - a. Government organizations/laboratories,
  - b. PSUs, and
  - c. Reputed companies i.e. Companies having annual turnover of Rs. 100 Crores or more.
- (2) Candidate should have following educational qualification and experience.
  - a. Post Graduate Degree with at least 12 years professional experience.
  - b. B.Tech. Degree with at least 15 years professional experience.
- (3) Candidates should have demonstrated research potential through research papers in reputed journals/conferences or patents or technology transfer/deployed.
- (4) The course credit requirement would be as per the current practice for Part-Time candidates.
- (5) The minimum residency requirements for such candidates will be one semester.
- (6) All other conditions shall be as per the PG rules and regulations of MNIT Jaipur.

**The admission procedure for the Ph.D Admission Category: Executive/Professional**

- (1) The candidate will be required to make a research proposal presentation to the DFB. Thereafter, the Chairman of the Departmental Selection Committee (DSC) will send the DFB's recommendation to the Office of Dean Academic (ODA).
- (2) The following committee will conduct the interview of the candidate
  - a. Dean (Academic) Chairperson
  - b. Dean (Research and Consultancy) Member
  - c. Head of the Department Member
- (3) The recommendation of the above committee will be approved by the Chairman, Senate for the selection of the candidate.

## 6. ADMISSION OF SPONSORED CANDIDATES

- i. A candidate who is sponsored for either Full time (FT) or Part time (PT) studies at MNIT by his/her employer and who meets the additional conditions specified below may be admitted through the Dept. Selection Committee appointed.
- ii. A sponsored candidate full time or part time must have total experience of more than two years, and in the case of full time sponsored candidate, he/she must have been in service of the sponsoring organization for at least one year at the time of admission. The sponsoring organization must specifically undertake to relieve him/her to pursue the programme for its full duration. The sponsored candidates are required to submit No Objection Certificate (NOC) from their employer/organization stating that:
  - a. His/Her official duties permit him/her to devote sufficient time for M.Tech./M.Plan./Research. Candidate should give undertaking that he would fulfill the attendance requirements of all the courses undertaken by him for fulfillment of the course pursued.
  - b. She/he will have to reside in the institute for a period of not less than one year during his/her registration for the degree. However, this condition can be relaxed for a candidate working in or around Jaipur (within a radius of 70 KM).
    1. M.Tech./M.Plan. Residency requirement of 1 year for doing complete course work
    2. Ph.D. Residency requirement until completing candidacy requirement

## 7. ADMISSION TO OFF CAMPUS PROGRAMME FOR PH.D.

- i. A candidate working in an R&D establishment or in other institution / organization, which is equipped with the necessary infrastructure for carrying out research and library facilities, may be considered by Senate, for admission only to the Ph.D. programmes in Engineering,

Architecture & Planning, Management, and Sciences. Such a candidate must be sponsored by his/her employer and must have been in employment with the sponsoring organization for at least 2 years at the last date of application. The Institutions eligible for Off Campus must be recommended by DPGC and approved by SPGB.

**The employer must expressly undertake to relieve him/her to stay on the campus to enable the candidate to complete the "Course work", "Comprehensive" and "State of Art" seminar and at the end of every semester for the semester evaluation.**

- ii. A candidate applying for admission to the off campus registration programme must provide detailed information about the research facilities available at his/her organization and a certificate that these would be available to him/her for carrying out research. She/he should also provide the bio-data of the prospective supervisor/coordinator who would supervise/coordinate the candidate's work at his/her organization if required.
- iii. On the recommendation of the DPGC, and SPGB, the Chairperson Senate may approve the admission.
- iv. **However SPGB on the recommendation of DPGC may waive off minimum residence requirement to stay on campus in lieu of his earlier research work.**

## 8. FINANCIAL ASSISTANCE

- i. The Institute may provide financial assistance to postgraduate students in the form of teaching or research assistantships (referred to as Institute Assistantship). Assistantships are awarded on a semester to semester basis for a period of up to four semesters for M.Tech./M.Plan. students and up to ten semesters for Ph.D. students. The stipend for the assistantship is paid at the approved rates as notified by MHRD from time to time. A student is expected to devote about eight hours per week towards job(s) assigned to him/her by the department. The renewal of assistantship is contingent on the student's satisfactory performance in the academic programme and in the satisfactory discharge of assistantship duties as assigned to him by the department.
- ii. **GATE score will be mandatory for admission to Ph.D. program (with Institute Assistantship) in Engineering and Sciences. The GATE score should have been acquired either within past three years or the candidate should have completed respective Master's degree with a valid GATE score.**
- iii. **For admission to Ph.D. program with Institute Assistantship in the Departments of Management Studies and Humanities & Social Sciences, UGC/CSIR NET shall be mandatory.**
- iv. Some financial assistantships in the form of research assistantships is also available from sponsored research projects. Additional assistantships in the form of scholarships, fellowships, etc. may be available through other organizations, such as, the Council of Scientific and Industrial Research (CSIR)/ University Grant Commission (UGC) / Department of Atomic Energy (DAE)/ DST/ MHRD/ Corporate Houses etc.
- v. The candidates applying for financial assistantship are required to submit the undertaking at the time of admission in the prescribed Performa given in Annexure-XI.

## 9. MINIMUM QUALIFICATION(S) FOR ADMISSION TO PH.D. PROGRAMME

**Table 1 : Minimum qualification(s)**

| Department              | Minimum Educational Qualification  |
|-------------------------|--|
| Architecture & Planning | Masters degree in Architecture/Planning/Technology in relevant discipline. |

|  |   |
|--|---|
| <b>Chemical Engineering</b>                        | B.Tech./M.Tech. or equivalent degree in Chemical Engineering, B. Tech./ M.Tech. or equivalent degree in any branch of Engineering/Chemical Technology and interdisciplinary areas.  |
| <b>Chemistry</b>                                   | M.Sc. in Chemistry/ Medicinal Chemistry / Pharmaceutical Chemistry/ Environmental Chemistry/ Biochemistry/ Biotechnology and related disciplines with chemistry as one of the optional subject.   |
| <b>Civil Engineering</b>                           | M.E./M.Tech. degree in relevant engineering discipline  |
| <b>Computer Science &amp; Engineering</b>          | B.E./B.Tech .in CSE/IT/ECE/EE or equivalent disciplines<br>M.E./M.Tech./M.S. in CSE/IT/ECE/EE or equivalent disciplines   |
| <b>Electrical Engineering</b>                      | M.E./M.Tech. or equivalent degree in respective & relevant Engineering disciplines  |
| <b>Electronics &amp; Communication Engineering</b> | B. Tech. and M. Tech. Electrical/ Electronics/ Computer/ Communication/ Telecommunication/ Instrumentation/ Control/ Microelectronics or equivalent discipline consistent with research areas of department.  |
| <b>Humanities and Social Sciences</b>              | M.A./M.Com. or equivalent degree with 6.5 CGPA on a 10-point scale or 60% marks<br>Master's degree in Science with 6.5 CGPA on a 10-point scale or 60% marks may be considered for research areas consistent with the academic background and special interest.   |
| <b>Mathematics</b>                                 | MSc/MA/MTech/MS or equivalent degree in Mathematics/statistics or in relevant discipline  |
| <b>Mechanical Engineering</b>                      | B.Tech./M.Tech. degree or equivalent degree in Mechanical/Industrial/ Production Engg.<br>B.Tech./M.Tech. degree/ disciplines consistent with the research areas of the department.   |
| <b>Metallurgical &amp; Materials Engineering</b>   | B.E./B.Tech. degree in Metallurgical Engineering/ Materials Engineering/ Mechanical Engineering/ Materials Science and Engineering/ Metallurgical and Materials Engineering/Chemical Engineering/Ceramic Engineering/Manufacturing Engineering/ Production Engineering/ Materials Science/Forge and Foundry with M.E./M.Tech degree in Metallurgical Engineering/Materials Science/Ceramic Engineering/ Thermal Engineering/Polymer Engineering/Plastic Engineering/ Polymer Science and Engineering/Metallurgy and Materials Science/Materials Engineering/ Design/ Machine Design/Production/Foundry/ Industrial Metallurgy/ Welding Technology/ Manufacturing/ Process Metallurgy/Process Engineering/ Corrosion Engineering/ Nano Technology/Steel Technology/Mineral Processing/ Alloy Technology/ Extractive Metallurgy/ Composites/ Powder Metallurgy. |
| <b>Physics</b>                                     | The applicant must have a Master's degree with CGPA not below 6.5 on a 10 point scale or 60% marks (where CGPA is not awarded) in following areas:<br>M.Sc. in Physics/Applied Physics/Engineering Physics/allied areas of Physics/interdisciplinary areas in physical sciences<br>M. Tech or equivalent degree in Materials Science / Solid State Physics/ Engineering Physics / Polymer Science / Nanoscience and Nanotechnology/ Energy Science /Technology/ Computational Techniques in Physics   |

|   |   |
|---|---|
| <b>Centre for Energy and Environment</b>                      | B.Tech/B.Arch./B.E./M.Sc. and Master's degree in Engineering/Technology/Architecture in relevant areas.   |
| <b>National Centre for Disaster Mitigation and Management</b> | Under Graduate: civil engineering/Architecture<br>Graduate: Structural engineering/Earthquake Engineering or any other branch of civil/architectural Engineering  |
| <b>Management</b>   | The applicant must have a two-year post-graduate degree or equivalent from recognized institute/University with CGPA not below 6.5 on a ten-point scale or 60% marks (where CGPA is not awarded). For equivalence of program, a certificate from AIU to this effect is mandatory.   |
| <b>Materials Research Centre</b>                              | The applicant must have a Master's degree in Engineering/Technology/ Science subject with CGPA not below 6.5 on a ten point scale or 60% marks (where CGPA is not awarded)<br><br>Other Qualifications:<br>1. M.Tech/ME or equivalent degree in Materials Science and Engineering, Metallurgical Engineering, Ceramics, Mechanical Engineering, Nanoscience, Polymer Technology, Electronics, Nanotechnology.<br>2. B Tech students graduating from an IIT with a CGPA of 8.0 or above in the above disciplines along with a valid GATE score <b>OR</b> B Tech / BE (from other reputed Institutions of National importance) with CGPA of 8.5 and above, are eligible to apply.<br>3. M.Sc in Materials Science/Physics/Chemistry Polymer Technology, Electronics, Nanotechnology. Or equivalent Master's degree in allied areas. |

**Note: In case of equivalent degree, the student is required to submit equivalence certificate w.r.t his/her qualifying degree from Association of Indian University/concerned National Council in case of Architecture/Town planning.**

## 10. AVAILABLE RESEARCH AREAS IN VARIOUS DEPARTMENTS

Table 2. Research Areas offered in various Departments for admission in Ph. D.

| FULL TIME WITH INSTITUTE ASSISTANTSHIP    |  |                              |
|---|--|------------------------------|
| Department                                | Tentative Research Area of proposed Ph.D.  | Faculty                      |
| Electronics and Communication Engineering | Communication Engg. / Antennas   | Dr. R.P. Yadav               |
|   | Applying Cognitive Approaches to Electronic Design Automation/VLSI. Application of Cognitive Approaches to language translation & learning | Dr. Vineet Sahula            |
|   | Analog VLSI Circuits   | Dr. D.Boolchandani           |
|   | IOT/MEMS   | Dr. Lava Bhargava            |
|   | Design of Microstrip Antenna   | Dr. M. M. Sharma             |
|   | Design of FSS, Absorbers, Rasorbers  | Dr. M. M. Sharma             |
|   | Design of Metasurfaces & Metamaterials   | Dr. M. M. Sharma             |
|   | AI for Photonic Devices and Components/Quantum Photonics   | Dr. Ghanshyam Singh          |
|   | Signal processing  | Dr. Tarun Varma              |
|   | MEMS   | Dr. Tarun Varma              |
|   | Design and Development of Biosensor  | Dr. C. PERIASAMY             |
|   | Machine Learning and Nature Inspired Optimization  | Dr. Satyasai Jagannath Nanda |
|   | Artificial Intelligence/Machine Learning in Healthcare   | Dr. Amit M. Joshi            |
|   | Intelligent embedded systems   | Dr. Amit M. Joshi            |

|   |  |                              |
|---|--|------------------------------|
|   | Development of Biosensor   | Dr. Chitrakant Sahu.         |
|   | Deep Learning for Computer Vision applications                                       | Dr. Kuldeep Singh            |
|   | AI based biomedical device development   | Dr. Kuldeep Singh            |
|   | Advanced semiconductor device modeling   | Dr. Menka                    |
|   | Signal Processing and its application in Multirate Filterbanks                       | Dr. ILA SHARMA               |
|   | Cognitive Radio and Transmultiplexer in Wireless Communication                       | Dr. ILA SHARMA               |
|   | Microelectronic Devices & Sensors  | Dr. Deepak Bharti            |
|   | Computational Modelling of Quantum- Electromagnetic Phenomena                        | Dr. Rajendra Mitharwal       |
|   | Nanoelectronics Devices  | Dr. Rajesh Saha              |
|   | Advanced MOS Devices   | Dr. Rajesh Saha              |
|   | Wideband Microstrip Antenna  | Dr. Sarthak Singhal          |
|   | Multiband/Wideband Absorbers   | Dr. Sarthak Singhal          |
|   | Analog & Digital VLSI Design   | Dr. Bharat Choudhary         |
|   | Nano Electronics Device Modeling & Simulation  | Dr. Bharat Choudhary         |
|   | Antenna design and fabrication for 5G and 6G applications                            | Dr. K K Sharma               |
| Humanities and Social Sciences  | Energy/Green Economics   | Dr. Dipti Sharma             |
|   | Impact Assessment of Power Sector Reforms; Electricity Markets                       | Dr. Dipti Sharma             |
|   | Development Economics  | Dr. Manju Singh              |
|   | Rural Development  | Dr. Manju Singh              |
|   | Technology Diffusion   | Dr. Manju Singh              |
|   | Public Policy  | Dr. Manju Singh              |
| Mechanical Engineering  | Multiagent systems for Planning and Scheduling                                       | Dr. Murari Lal Mittal        |
|   | Resilient supply chain network design  | Dr. A. P. S. Rathore         |
|   | Gaseous fuelling in I.C. Engines   | Dr. Dilip Sharma             |
|   | Sustainable Design & Manufacturing   | Dr. G. S. Dangayach          |
|   | Supply chain risk framework  | Dr. Rakesh Jain              |
|   | Dynamics and Balancing of Multibody Systems  | Dr. Himanshu Chaudhary       |
|   | Phase Field Modelling and analysis to investigate fracture and failure of composite. | Dr. Dinesh Kumar             |
|   | Integrating Automation and IoT in Clubfoot Corrective Orthosis                       | Dr. Harlal Singh Mali        |
|   | Novel alloy development through welding  | Dr. Jinesh Kumar Jain        |
|   | Ergonomics intervention in small and medium industries                               | Dr. M. L. Meena              |
|   | Sustainable Supply Chain Management & Circular Economy                               | Dr. Monica Sharma            |
|   | Compact heat sinks for electronic heat dissipation                                   | Dr. Amit Arora               |
|   | Dynamic Alignment of lower limb prostheses   | Dr. Amit Kumar Singh         |
|   | Fracture simulation of smart materials   | Dr. Gulab Pamnani            |
|   | Intelligent Prognostics for Supply Chain Systems                                     | Dr. Gunjan Soni              |
|   | Heat transfer characteristics of Non-Newtonian Fluid                                 | Dr. Manish Kumar             |
|   | Small Scale Floating bodies  | Dr. Manjinder Singh          |
|   | Tribology performance of composite materials and coatings                            | Dr. Mukesh Kumar             |
|   | Vibration based machinery fault diagnosis  | Dr. Naresh Kumar Raghuwanshi |
|   | Experimental investigation of exhaust gas aftertreatment system                      | Dr. Nikhil Sharma            |
| Design and fabrication of composite materials                                     | Dr. Pankaj Kumar Gupta   |                              |
| Investigation of two-phase flow and heat transfer for electronic heat dissipation | Dr. Ram Dayal  |                              |

|  |   |   |
|--|---|---|
|  | Sustainable Supply chain Disruption using Simulation  | Dr. Rajeev Agrawal                              |
|  | Impact of Industry 4.0 on Sustainable supply chain performance  | Dr. Rajeev Agrawal                              |
| Material Research Centre                                   | Hybrid nanomaterials for applications in sensing and wastewater treatment.                                    | Dr. Bhagwati Sharma                             |
|  | Development of Metal-organic gels based electronic devices.   | Dr. Bhagwati Sharma                             |
|  | Nano Hybrid Materials for Hydrogen storage  | Dr. Nisha Verma                                 |
|  | Piezophototronic Nanomaterials for self powered catalysis process   | Dr. Himmat Singh Kushwaha (DST Inspire faculty) |
|  | Fabrication of COF-MOF based composite membranes for selective H <sub>2</sub> /CO <sub>2</sub> gas separation | Dr. Kamakshi Pandey                             |
|  | Hybrid covalent/molecular organic framework/ hydrogel for lab-on-chip sensors                                 | Dr. Ragini Gupta                                |
| Mathematics  | Flow of non-Newtonian fluids  | Dr. Geetanjali Chattopadhyay                    |
|  | Mathematical Modelling of Fluid Flow Phenomenon   | Dr. Kushal Sharma                               |
|  | Computational Partial Differential Equations  | Dr. Kushal Sharma                               |
|  | Optimization methods for solutions of large network flows   | Dr. Priyanka Harjule                            |
|  | Fractional derivative neural network optimization models  | Dr. Priyanka Harjule                            |
|  | Hyperspace Topologies   | Dr. Anubha Jindal                               |
|  | Spectral Graph theory   | Dr. K. Palpandi                                 |
|  | Computational Scheme for Partial Differential Equations   | Dr. Santosh Chaudhary                           |
|  | Blood Flow with Magnetic Effect   | Dr. Santosh Chaudhary                           |
|  | Mathematical modeling and simulation using Fractional Calculus  | Dr. Ritu Agarwal                                |
|  | Distribution theory in multicomplex spaces  | Dr. Ritu Agarwal                                |
|  | Application of fractional calculus and special functions in Mathematical modeling                             | Dr. Sanjay Bhatte                               |
| Study of Generalized Special function and its applications | Dr. Sanjay Bhatte   |   |
| Architecture and Planning                                  | Universal Accessibility Principles in Planning and Design   | Dr. Tarush Chandra                              |
|  | Eco sensitive Urbanisation  | Dr. Tarush Chandra                              |
|  | Urban and regional water systems- their planning and management   | Dr. Rina Surana                                 |
|  | Housing   | Dr. Rina Surana                                 |
|  | Architectural and urban heritage conservation   | Dr. Rina Surana                                 |
|  | Planning for eco-sensitive zones  | Dr. Satish Pipralia                             |
|  | Planning of Blue And Green Infrastructure   | Dr. Satish Pipralia                             |
|  | Sustainable development and Disaster Resilience   | Dr. Ashwani Kumar                               |
|  | Traditional and vernacular architecture   | Dr. Ashwani Kumar                               |
|  | Sustainable Urban infrastructure  | Dr. Niruti Gupta                                |
|  | Urban disaster management and mitigation  | Dr. Niruti Gupta                                |
|  | Urban systems and their planning  | Dr. Pooja Nigam                                 |
|  | Traditional Knowledge Systems in Built Vernacular Heritage  | Dr. Pooja Nigam                                 |
|  | Craft Tourism and its Planning  | Dr. Pooja Nigam                                 |
| Building Envelope Design for User's Comfort                | Dr. Gireendra Kumar   |   |
| Metallurgical and Materials Engineering                    | Thermo mechanical analysis of Carbon Fibre Reinforcement Polymer Composite                                    | Dr. KRISHNA KUMAR                               |
|  | Development of Aluminium-Lithium nanocomposites   | Dr. Sreekumar Vadakke Madam                     |
|  | Joining of dissimilar metals/alloys   | Dr. Jyotirmaya Kar                              |

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|---|---|--------------------------|
|   | Reduction kinetics of iron-coal pellets   | Dr. Jyotirmaya Kar       |
|   | Additive Manufacturing of High Entropy Alloys   | Dr. Swati Sharma         |
|   | Ultra-High Strength Steels  | Dr. Swati Sharma         |
|   | Corrosion and Surface Protection  | Dr. Kunal Borse          |
|   | Novel Coatings for Aerospace Applications   | Dr. Kunal Borse          |
|   | Synthesis and characterization of soft magnetic thin films.   | Dr. Brij Mohan Mundptiya |
|   | Corrosion and wear studies of the composite coatings  | Dr. Brij Mohan Mundptiya |
|   | Optimization of mechanical properties of a $\beta$ -Ti alloy used for the aerospace application.                              | Dr. Rajesh Kumar Rai     |
|   | Development of a high entropy alloy for the aerospace application.  | Dr. Rajesh Kumar Rai     |
|   | Processing of High Entropy Alloys for Aerospace Applications  | Dr. Randhir Kumar Singh  |
|   | Mechanical Characterization of Aerospace Grade Steels   | Dr. Randhir Kumar Singh  |
|   | Hot Deformation Studies of Aerospace Grade Materials  | Dr. Randhir Kumar Singh  |
| Electrical Engineering  | Control applications in power system  | Dr. VinayPratap Singh    |
|   | Economic operation of modern Power System   | Dr. Mukesh Kumar Shah    |
|   | Converters design for Renewable energy and Electric Vehicle charger application and EV  | Dr. Arun Kumar Verma     |
|   | AI application to active distribution networks  | Dr. Akhilesh Mathur      |
|   | Signal processing applications and Machine learning in Power Systems/Electronics, biomedical or image processing applications | Dr. Hemant Kumar Meena   |
|   | Power system Management   | Dr. Hemant Kumar Meena   |
|   | Modelling and Control of Power Electronic Converters  | Dr. Man Mohan Garg       |
|   | Development of Electrical Vehicle Chargers  | Dr. Man Mohan Garg       |
|   | Power Quality Improvement in Grid-connected Converters  | Dr. Nitin Gupta          |
|   | PE Converters for Renewable energy and/or Electric Vehicle application  | Dr. Nitin Gupta          |
|   | DERs Integration  | Dr. K.R.Niazi            |
|   | Optimal operation of smart distribution systems   | Dr. K.R.Niazi            |
|   | Control of Grid-connected VSIs using different PWM techniques.  | Dr. Kapil Shukla         |
|   | Power Quality   | Dr. Kapil Shukla         |
|   | Planning, Operation and Control of Power Grids Integrated with Renewables   | Dr. Kusum Verma          |
|   | Power system Operation and Control  | Dr. Manoj Fozdar         |
|   | Power System Economics  | Dr. Manoj Fozdar         |
|   | Performance Improvement of Distribution System using Renewable Energy Resources   | Dr. Anil Swarnkar        |
|   | Impact of Electric Vehicles on Distribution System Performance  | Dr. Anil Swarnkar        |
|   | Cyber Security of Power System  | Dr. Satish Sharma        |
|   | Power system optimization and economics   | Dr. Satish Sharma        |
|   | Electricity Markets   | Dr. Rohit Bhakar         |
|   | Power System Planning   | Dr. Rohit Bhakar         |
|   | Energy storage options for Electric Vehicles  | Dr. RAVITA LAMBA         |
| Application of Machine Learning in optimizing renewable energy Systems  | Dr. RAVITA LAMBA  |                          |
| Power Electronics, Power Quality Improvement, Electrical Drives, Electrical Vehicles, Electric Vehicle (EV) Integration to Grid and Renewable Energy. | Dr. Saravana Prakash P  |                          |

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|---|--|-----------------------------|
|   | Robotic control design   | Dr. NEELI SATYANARAYANA     |
|   | Some investigations on nonlinear systems.  | Dr. NEELI SATYANARAYANA     |
| Centre for Energy and Environment   | Efficiency analysis in air-conditioning systems  | Dr. Jyotirmay Mathur        |
|   | Electricity Markets Power System Planning  | Dr. Rohit Bhakar            |
|   | Biomass to Biofuel   | Dr. Vivekanand              |
|   | Study of performance of building integrated photovoltaics with machine learning  | Dr. Amartya Chowdhury       |
|   | Hydrogen Energy  | Dr. Kapil Pareek            |
|   | Design and modelling of solar PV system Hybrid energy systems  | Dr. Sunanda Sinha           |
|   | Net zero energy communities  | Dr. Parul Mathuria          |
|   | Peer to peer energy trading  | Dr. Parul Mathuria          |
| Chemistry   | Theoretical investigation of chemical reactions involving high miltireference character                                    | Dr. Pradeep Kumar           |
|   | Vibrational spectroscopy at cryogenic temperatures: Applications in atmospheric chemistry                                  | Dr. Dr. Biman Bandyopadhyay |
|   | Stereoselective Synthesis of 2-Deoxy and 2,6-Dideoxyglycoconjugates  | Dr. Sudhir Kashyap          |
|   | Green nanomaterials synthesis their applications   | Dr. Manviri Rani            |
|   | Organic and Inorganic materials (syntheses) for Solar Cell Technology  | Dr. Abbas Raja Naziruddin   |
|   | Transition Metal Complexes for Organic Transformation Reactions  | Dr. Barun Jana              |
|   | Nano-encapsulation of anticancer and anti-diabetic phytochemicals extracted from medicinal plants for better drug delivery | Dr. Jyoti Joshi             |
| Chemical Engineering  | Biofuel from Biomass   | Dr. S.P Chaurasia           |
|   | Desalination using membrane /thermal Technology  | Dr. S.P Chaurasia           |
|   | Chemical Process Intensification techniques in synthesis of nanomaterials for application in wastewater treatment          | Dr. Suja george             |
|   | Application of Microbial fuel Cells in wastewater treatment.   | Dr. Suja george             |
|   | Study and development of novel hybrid treatment methodology for domestic/Sewage wastewater                                 | Dr. Virendra Kumar Saharan  |
|   | Study and development of novel hybrid treatment methodology for industrial wastewater                                      | Dr. Virendra Kumar Saharan  |
|   | Co-pyrolysis of biomass and plastic for production of value added products   | Dr. Rohidas Gangaram Bhoi   |
|   | Energy recovery from industrial and sewage sludge by pyrolysis method  | Dr. Rohidas Gangaram Bhoi   |
|   | Catalytic Conversion of Glycerol to Value-Added Fuels.   | Dr. V. Subba Ramaiah        |
|   | Mineralization of Toxic Industrial Effluents Through Catalytic Process.  | Dr. V. Subba Ramaiah        |
|   | Experimental and modeling studies for removal of heavy metal ions form water by solvent extraction using reverse micelles  | Dr. Prabhat Pandit          |
|   | Separation of carboxylic acids from waste water via reactive extraction.   | Dr. Prabhat Pandit          |
|   | Solvent recovery and reuse from pharmaceutical industries by distillation in microchannels                                 | Dr. U. K. Arun Kumar        |
|   | Core-shell nanomaterials as heterogeneous catalysts for future energy demands  | Dr. Lovjeet Singh           |
| Bi <sub>2</sub> O <sub>3</sub> -based nanostructures for solar light-driven photocatalytic applications | Dr. Lovjeet Singh  |                             |

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|---------|---|----------------------------|
|         | Process Intensification of Chemical Engineering Systems   | Dr. Vikas Kumar Sangal     |
|         | Wastewater treatment using Hybrid Advanced oxidation processes  | Dr. Vikas Kumar Sangal     |
|         | Conversion of rubber waste into value added products  | Dr. Dipaloy Datta          |
|         | Extraction and Separation of Natural Products   | Dr. Dipaloy Datta          |
|         | Synthesis of reactive adsorbent from waste solids for removal of emerging pollutants from Water   | Dr. R. K. Vyas             |
|         | Studies on an advanced oxidation process for removal of pharmaceuticals from water  | Dr. R. K. Vyas             |
|         | Conversion of CO <sub>2</sub> into value-added products: Experimental and Theoretical study   | Dr. Sonal                  |
|         | Biomass gasification to synthesis gas and application of the synthesis gas  | Dr. Sonal                  |
|         | Nanomaterial based Photo-catalysis for energy and environmental applications  | Dr. Surajit Ghosh          |
|         | Efficient conversion of agricultural waste into value added products  | Dr. Surajit Ghosh          |
|         | Development of visible light induced catalysts for the wastewater treatment.  | Dr. Vijayalakshmi Gosu     |
|         | Development of heterogenous catalyst for the production of the fuel additives   | Dr. Vijayalakshmi Gosu     |
|         | Study on Agro residues utilization for energy extraction and getting value added products   | Dr. Manish Vashishtha      |
|         | Study on Combustion characteristics of biomass briquettes   | Dr. Manish Vashishtha      |
|         | Experimental and Modelling study for treatment of water/ wastewater using hybrid AOP/ electrochemical techniques  | Dr. Kailash Singh          |
|         | Machine learning applications in process systems engineering  | Dr. Kailash Singh          |
|         | Utilization of bio-syn gas to generate electrical power using solid oxide fuel cell   | Dr. Neetu Kumari           |
|         | Photo electrochemical water splitting to produce green hydrogen   | Dr. Neetu Kumari           |
|         | Performance enhancement in fuel cell electrolyte materials (low-temperature SOFCs and high-temperature PEMFCs): computational and experimental studies. | Dr. Hrushikesh M. Gade     |
|         | Comparative techno-commercial analysis of biodiesel versus renewable (hydrogenated) diesel through computational and experimental approach.             | Dr. Hrushikesh M. Gade     |
|         | Experimental Study of Intensify Reactive Divided Wall Distillation Column   | Dr. Rajeev Kumar Dohare    |
|         | Wastewater Treatment by Supported Ionic Liquid Membrane.  | Dr. Rajeev Kumar Dohare    |
|         | Synthesis of valuable products using marble processing slurry.  | Dr. S. K. Jana             |
|         | Manufacture of glass using wastes from marble processing and common salt producing plant  | Dr. S. K. Jana             |
|         | Antifoulant membrane development for wastewater treatment   | Dr. Md Oayes Midda         |
|         | Nanocomposite membranes for industrial gas separation applications  | Dr. Md Oayes Midda         |
| Physics | Growth and modification of nanostructured materials   | Dr. Srinivasarao Nelamarri |
|         | Nanomaterial-Enabled Flexible and Wearable Sensors  | Dr. Kamendra Awasthi       |
|         | Topological Superconductivity in Condensed Matter   | Dr. Manoj Kumar            |
|         | Study of Novel Quantum Materials  | Dr. Manoj Kumar            |
|         | Advanced Anode Materials for All-Solid-State Li-ion Battery   | Dr. Debasish Sarkar        |

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|  | Molecular dynamics simulations of metal organic framework (MOF) composite membranes for selective separation         | Dr. Kamakshi                        |
|  | Non-perturbative structure of QED  | Dr. Anees Ahmed                     |
| Civil Engineering                      | Management and utilization of solid waste  | Dr. Nivedita Kaul                   |
|  | Noise pollution monitoring and control   | Dr. Nivedita Kaul                   |
|  | Air pollution monitoring and control   | Dr. Nivedita Kaul                   |
|  | Analysis of climate change and its impacts at local/ regional level  | Dr. Sumit Khandelwal                |
|  | Rainfall trend analysis and quantification of its impacts  | Dr. Sumit Khandelwal                |
|  | Urban heat island study of Indian cities   | Dr. Sumit Khandelwal                |
|  | Performance Based Seismic Design for Coupled Building-Slope System   | Dr. Dhiraj Raj                      |
|  | UTILIZATION OF WASTE MATERIALS IN MORTAR/CONCRETE  | Dr. Vinay Agrawal                   |
|  | APPLICATION OF ARTIFICIAL INTELLIGENCE (ARTIFICIAL NEURAL NETWORK, GENETIC ALGORITHM ETC.) IN STRUCTURAL ENGINEERING | Dr. Vinay Agrawal                   |
|  | Performance evaluation of RC frames subjected to seismic loads   | Dr. Anoop I. Shirkol                |
|  | Performance based design of RC and Steel frames  | Dr. Anoop I. Shirkol                |
|  | Performance evaluation of buildings in hilly regions   | Dr. Anoop I. Shirkol                |
|  | Rock slope with infilled joints.   | Dr. Siddharth Mehndiratta           |
|  | Investigation on properties of two stage concrete  | Dr. Rameshwar Jagannath Vishwakarma |
|  | Evaluation of structural response of concrete slab on grade  | Dr. Rameshwar Jagannath Vishwakarma |
|  | Evaluation of structural response of Short-paneled concrete pavement   | Dr. Rameshwar Jagannath Vishwakarma |
|  | Development of Eco-friendly Construction Materials/Products for Sustainable Construction                             | Dr. Sandeep Shrivastava             |
|  | Assessment and Mitigation of Exposure to Particulate Matter  | Dr. Ruchi Sharma                    |
|  | Use of different wastes in Concrete / mortar/ roads / Alternate Building Materials                                   | Dr. R C Gupta                       |
|  | Utilization of S.S. industries Waste in Sustainable Concrete / Mortar and its effects on environment.                | Dr. R C Gupta                       |
|  | Urban Storm Water Management   | Dr. A.S. Jethoo                     |
|  | Electrochemical treatment of water/ wastewater   | Dr. Sanjay Mathur                   |
|  | Planning of water resources with emphasis on hydrological extremes and climate change                                | Dr. Himanshu Arora                  |
|  | Self-compacting concrete   | Dr. Rajesh Gupta                    |
|  | Green mortar using waste materials   | Dr. Rajesh Gupta                    |
|  | Hydrological modelling using remote sensing & GIS  | Dr. Mahesh Kumar Jat                |
|  | Assessment of Land use land cover changes using agent-based Modelling  | Dr. Mahesh Kumar Jat                |
|  | Automatic object detection from satellite images using machine learning  | Dr. Mahesh Kumar Jat                |
|  | Alternative computational approaches in Environmental Engineering  | Dr. Amit Kumar                      |
|  | Textile wastewater treatment using AOP   | Dr. Urmila Brighu                   |
|  | Rural Sanitation   | Dr. Urmila Brighu                   |
| Flood prediction in data-scarce basins | Dr. Manoj Kumar Diwakar  |                                     |

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|  | Numerical simulation of open channel flows                               | Dr. Manoj Kumar Diwakar     |
|  | Water sensitivity analysis of an urban city                              | Dr. Manoj Kumar Diwakar     |
| National Centre for Disaster Mitigation & Management           | Seismic Behaviour of Concrete Dams                                       | Dr. M.K. Shrimali           |
|  | Seismic Behaviour of Precast /Steel Buildings                            | Dr. M.K. Shrimali           |
|  | Seismic Behaviour of Concrete Dams                                       | Dr. S.D. Bharti             |
|  | Seismic Behaviour of Precast /Steel Buildings                            | Dr. S.D. Bharti             |
| Management Studies   | Fintech and Consumer Finance   | Dr. Satish Kumar            |
|  | Sustainable Supply Chain Management and Circular Economy                 | Dr. Monica Sharma           |
|  | Consumer behavior and sustainability                                     | Dr. Divesh Kumar            |
| Computer Science and Engineering                               | Improving Regression Testing using Machine Learning.                     | Dr. Girdhari Singh          |
|  | Improving Mutation testing using Machine Learning.                       | Dr. Girdhari Singh          |
|  | AI enabled threat detection and mitigation in Computer Networks          | Dr. Vijay Laxmi             |
|  | Adversarial Machine Learning for Cyber Physical Systems attack modelling | Dr. Vijay Laxmi             |
|  | IoT malware detection and mitigation                                     | Dr. Vijay Laxmi             |
|  | Fairness in explainable machine learning                                 | Dr. Vijay Laxmi             |
|  | Dark Web Forensics or TOR Forensics                                      | Dr. Pilli E. S.             |
|  | Hypervisor Forensics   | Dr. Pilli E. S.             |
|  | Cross Age Face Recognition   | Dr. Neeta Nain              |
|  | Face matching across domains with covariates                             | Dr. Neeta Nain              |
|  | Blockchain Transaction Processing  | Dr. Dinesh Gopalani         |
|  | Storyline Generation from News Articles                                  | Dr. Dinesh Gopalani         |
|  | Security and vulnerability in Wireless Sensor Networks WSNs              | Dr. Mushtaq Ahmed           |
|  | Issues in Cloud computing  | Dr. Mushtaq Ahmed           |
|  | Blockchain Security in real-time applications                            | Dr. Meenakshi Tripathi      |
|  | Privacy preserving with deep learning                                    | Dr. Meenakshi Tripathi      |
|  | Event prediction in Social Networks                                      | Dr. Yogesh Kumar Meena      |
|  | Deep learning for Natural Language Processing                            | Dr. Yogesh Kumar Meena      |
|  | Storyline Generation from News Articles                                  | Dr. Yogesh Kumar Meena      |
|  | Event forecasting using Machine Learning                                 | Dr. Yogesh Kumar Meena      |
|  | Client poisoning Attacks in decentralized learning                       | Dr. Ramesh Babu Batulla     |
|  | Machine learning for Blockchain  | Dr. Ramesh Babu Batulla     |
|  | Security for 5G and Beyond   | Dr. Ramesh Babu Batulla     |
|  | Vehicular Internet of Things   | Dr. Arka Prokash Mazumdar   |
|  | Information Centric Networks   | Dr. Arka Prokash Mazumdar   |
|  | AI/ML techniques in Advanced future commuter Networks                    | Dr. Dinesh Kumar Tyagi      |
|  | Integration of Blockchain and FL for security and privacy                | Dr. Dinesh Kumar Tyagi      |
|  | Machine Learning with Graphs   | Dr. Mahipal Jadeja          |
|  | Social Network Analysis using Graph Neural Networks (GNNs)               | Dr. Mahipal Jadeja          |
|  | Multi-model Deep Learning  | Dr. Satyendra Singh Chouhan |
|  | Deep learning for Natural Language Processing                            | Dr. Satyendra Singh Chouhan |
|  | IoT Malware Evasion Techniques   | Dr. Jyoti Grover            |
| Federated Learning for IoT applications                        | Dr. Jyoti Grover   |                             |
| Security loopholes of smart contracts in blockchain technology | Dr. Smita Naval  |                             |

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|--|--|---------------------------|
|  | Application vulnerability Analysis and exploit generation  | Dr. Smita Naval           |
|  | Deep Learning for Computer Vision Tasks, Medical Image Processing  | Dr. Deepak Ranjan Nayak   |
|  | Design of advanced Machine Learning and deep learning techniques for pattern recognition in images and using them for agricultural and medical applications. | Dr. Lavika Goel           |
|  | Design of generic Nature inspired Optimization algorithms and hybrid Intelligent systems for real world applications.  | Dr. Lavika Goel           |
|  | Satellite image processing using deep learning techniques.   | Dr. Ashish Kumar Tripathi |
|  | Rainfall and flood prediction using deep learning.   | Dr. Ashish Kumar Tripathi |

| <b>FULL TIME SPONSORED/OFF CAMPUS/PART TIME (INSTITUTE FACULTY, INSTITUTE STAFF, EXECUTIVE/PROFESSIONAL)</b> |  |   |
|--|--|---|
| <b>Department</b>  | <b>Tentative Research Area of proposed Ph.D.</b>   | <b>Faculty</b>                                  |
| Electronics and Communication Engineering  | Mobile and Wireless Communication  | Dr. R.P. Yadav                                  |
|  | Applying Cognitive Approaches to Electronic Design Automation/VLSI. Application of Cognitive Approaches to language translation & learning | Dr. Vineet Sahula                               |
|  | MEMS based sensors   | Dr. D. Boolchandani                             |
|  | Design of Microstrip Antenna   | Dr. M. M. Sharma                                |
|  | Design of FSS, Absorbers, Resorbers  | Dr. M. M. Sharma                                |
|  | Design of Metasurfaces & Metamaterials   | Dr. M. M. Sharma                                |
|  | Signal processing  | Dr. Tarun Varma                                 |
|  | MEMS   | Dr. Tarun Varma                                 |
|  | Deep Learning for Computer Vision applications   | Dr. Kuldeep Singh                               |
|  | AI based biomedical device development   | Dr. Kuldeep Singh                               |
|  | TFET and its applications  | Dr. Rajesh Saha                                 |
| Humanities and Social Sciences   | Electrical Parameters of Ribbon FET  | Dr. Rajesh Saha                                 |
|  | Energy/Green Economics   | Dr. Dipti Sharma                                |
|  | Impact Assessment of Power Sector Reforms; Electricity Markets   | Dr. Dipti Sharma                                |
|  | Sociology of Gender  | Dr. Nidhi Bansal                                |
| Mechanical Engineering   | Digital Inequalities and marginalization   | Dr. Nidhi Bansal                                |
|  | Biomaterial Development through additive manufacturing process   | Dr. Jinesh Kumar Jain                           |
|  | Sustainable Supply Chain Management & Circular Economy   | Dr. Monica Sharma                               |
|  | Earth air tunnel heat exchange systems   | Dr. Amit Arora                                  |
|  | Crack propagation in piezoelectric materials   | Dr. Gulab Pamnani                               |
|  | Investigation of heat transfer and exhaust flow path in a flow through device such as DPF  | Dr. Nikhil Sharma                               |
| Material Research Centre   | Investigations on advanced manufacturing processes   | Dr. Pankaj Kumar Gupta                          |
|  | Carbon nanostructures for electrochemical energy storage devices   | Dr. Himmat Singh Kushwaha (DST Inspire faculty) |
| Mathematics  | Fluid dynamics   | Dr. Geetanjali Chattopadhyay                    |
|  | Study of Generalized Special function and its applications   | Dr. Sanjay Bhatler                              |
|  | Application of fractional calculus and special functions in Mathematical modeling  | Dr. Sanjay Bhatler                              |

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| Architecture and Planning  | Materials/ Practices for Sustainable Planning and Design  | Dr. Tarush Chandra             |
|  | Energy Conscious Urban Planning / Design  | Dr. Tarush Chandra             |
|  | Urban and regional water systems- their planning and management   | Dr. Rina Surana                |
|  | Housing   | Dr. Rina Surana                |
|  | Architectural and urban heritage conservation   | Dr. Rina Surana                |
|  | Sustainable Urban infrastructure  | Dr. Niruti Gupta               |
|  | Urban disaster management and mitigation  | Dr. Niruti Gupta               |
|  | Urban systems and their planning  | Dr. Pooja Nigam                |
|  | Traditional Knowledge Systems in Built Vernacular Heritage  | Dr. Pooja Nigam                |
|  | Craft Tourism and its Planning  | Dr. Pooja Nigam                |
|  | Urban Design for Architectural Design Appreciation  | Dr. Gireendra Kumar            |
|  | Visual Communication in Architecture  | Dr. Gireendra Kumar            |
|  | Sustainable development   | Dr. Nand Kumar                 |
| Energy and built environment   | Dr. Nand Kumar  |                                |
| Metallurgical and Materials Engineering  | Additive manufacturing of high performance polymer composites for biomedical application                                      | Dr. R K Goyal                  |
|  | Agriculture waste reinforced polymer matrix nanocomposites  | Dr. R K Goyal                  |
|  | Synthesis of iron based cutting tools via powder metallurgy route   | Dr. Vijay Navaratna Nadakuduru |
|  | Development of high toughness Aluminium composite parts   | Dr. Sreekumar Vadakke Madam    |
|  | Corrosion and Surface Protection  | Dr. Kunal Borse                |
| Electrical Engineering   | Control applications in power system  | Dr. VinayPratap Singh          |
|  | Power system analysis   | Dr. Akhilesh Mathur            |
|  | Signal processing applications and Machine learning in Power Systems/Electronics, biomedical or image processing applications | Dr. Hemant Kumar Meena         |
|  | Power system Management   | Dr. Hemant Kumar Meena         |
|  | AI based State estimations and control of Robots  | Dr. Rajesh Kumar               |
|  | AI for Healthcare   | Dr. Rajesh Kumar               |
|  | Modelling and Control of Power Electronic Converters  | Dr. Man Mohan Garg             |
|  | Development of Electrical Vehicle Chargers  | Dr. Man Mohan Garg             |
|  | Front end Converters for Power Factor Improvement   | Dr. Nitin Gupta                |
|  | Some Investigations on Multilevel Inverters PWM Techniques  | Dr. Nitin Gupta                |
|  | AI based solutions for Electricity Markets  | Dr. Prerna Jain                |
|  | Energy System Planning  | Dr. Rohit Bhakar               |
| Renewable energy systems, their integration in power system, optimization and challenges | Dr. RAVITA LAMBA  |                                |
| Applications of AI in EVs and Smart Grid   | Dr. RAVITA LAMBA  |                                |
| Centre for Energy and Environment  | Energy System Planning  | Dr. Rohit Bhakar               |
|  | Design and modelling of solar PV system Hybrid energy systems   | Dr. Sunanda Sinha              |
| Chemical Engineering   | Water Purification using membrane Technology  | Dr. S.P Chaurasia              |
|  | Bioethanol Production in MBR system.  | Dr. S.P Chaurasia              |
|  | Chemical Process Intensification techniques in synthesis of nanomaterials for application in wastewater treatment             | Dr. Suja george                |
|  | Study of Hybrid advanced oxidation process for grey water treatment   | Dr. Virendra Kumar Saharan     |
|  | Degradation of pesticides from waste water using different biosorbents.   | Dr. Rohidas Gangaram Bhoi      |

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|  | Effect of pretreatment methods on biomass valorization  | Dr. Rohidas Gangaram Bhoi           |
|  | Synthesis of novel chemicals/materials for water and waste water treatment  | Dr. Madhu Agarwal                   |
|  | Industrial hygiene of silica dust exposure in Rajasthan: Spatial distribution, diagnosis, risk assessment, and its management | Dr. V. Subba Ramaiah                |
|  | Strategies for wastewater treatment from Sanganer dye industries.   | Dr. U. K. Arun Kumar                |
|  | Application of electrochemical methods for water/wastewater treatment   | Dr. Vikas Kumar Sangal              |
|  | Development of low cost catalyst to treat bio-refractory compounds from aquatic regime.                                       | Dr. R. K. Vyas                      |
|  | Catalytic conversion of biomass into platform chemicals   | Dr. Sonal                           |
|  | Theoretical and experimental investigation of ultrasonic assisted Air gap membrane distillation.                              | Dr. Sushant Upadhyaya               |
|  | Utilization of polymeric waste for fabrication of value added product using extrusion.  | Dr. Sushant Upadhyaya               |
|  | Development of heterogenous catalyst for the production of the fuel additives.  | Dr. Vijayalakshmi Gosu              |
|  | Microplastics in the Environment: Occurrence, Fate, and its Removal   | Dr. Vijayalakshmi Gosu              |
|  | Integrated approach for Energy Management   | Dr. Manish Vashishtha               |
|  | Utilization of waste plastics for value added products  | Dr. Manish Vashishtha               |
|  | Computation fluid dynamics study of solid oxide cell  | Dr. Neetu Kumari                    |
|  | CO <sub>2</sub> capture study in microchannel.  | Dr. Rajeev Kumar Dohare             |
| Civil Engineering  | Management and utilization of solid waste   | Dr. Nivedita Kaul                   |
|  | Noise pollution monitoring and control  | Dr. Nivedita Kaul                   |
|  | Air pollution monitoring and control  | Dr. Nivedita Kaul                   |
|  | Analysis of climate change and its impacts at local/ regional level   | Dr. Sumit Khandelwal                |
|  | Rainfall trend analysis and quantification of its impacts   | Dr. Sumit Khandelwal                |
|  | Urban heat island study of Indian cities  | Dr. Sumit Khandelwal                |
|  | Effect of Soil Structure Interaction on Seismic Fragility of Structure  | Dr. Dhiraj Raj                      |
|  | Utilization of Waste Materials in Mortar/Concrete   | Dr. Vinay Agrawal                   |
|  | Application of Artificial Intelligence (Artificial Neural Network, Genetic Algorithm Etc.) in Structural Engineering          | Dr. Vinay Agrawal                   |
|  | Performance evaluation of buildings in hilly regions  | Dr. Anoop I. Shirkol                |
|  | Performance evaluation of RC frames subjected to seismic loads  | Dr. Anoop I. Shirkol                |
|  | Swelling pressure behind retaining structure with expansive soil as backfill.   | Dr. Siddharth Mehndiratta           |
|  | Nailed slope under seismic loading  | Dr. Siddharth Mehndiratta           |
|  | Investigation on properties of two stage concrete   | Dr. Rameshwar Jagannath Vishwakarma |
|  | Evaluation of structural response of concrete slab on grade   | Dr. Rameshwar Jagannath Vishwakarma |
|  | Evaluation of structural response of Short-paneled concrete pavement  | Dr. Rameshwar Jagannath Vishwakarma |
|  | Waste Utilization in Development of Sustainable Construction Materials  | Dr. Sandeep Shrivastava             |
| Use of different wastes in Concrete / mortar/ roads / Alternate Building Materials | Dr. R C Gupta   |                                     |

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|--|---|-------------------------|
|  | Utilization of S.S. industries Waste in Sustainable Concrete / Mortar and its effects on environment  | Dr. R C Gupta           |
|  | Assessment of Hydrology and water resources under climate change employing soft computing techniques. | Dr. Himanshu Arora      |
|  | Ground Improvement methods with the application of Alternate Materials                                | Dr. Neha Shrivastava    |
|  | Experimental/ Mathematical Modeling of Geosynthetics reinforced Earth Structures                      | Dr. Neha Shrivastava    |
|  | Self-compacting concrete  | Dr. Rajesh Gupta        |
|  | Green mortar using waste materials  | Dr. Rajesh Gupta        |
|  | Automatic target detection from satellite images  | Dr. Mahesh Kumar Jat    |
|  | Transportation Planning   | Dr. J. K. Jain          |
|  | Textile wastewater treatment using AOP  | Dr. Urmila Brighu       |
|  | Rural Sanitation  | Dr. Urmila Brighu       |
|  | Flood prediction in data-scarce basins  | Dr. Manoj Kumar Diwakar |
|  | Numerical simulation of open channel flows  | Dr. Manoj Kumar Diwakar |
|  | Water sensitivity analysis of an urban city   | Dr. Manoj Kumar Diwakar |
| Computer Science and Engineering   | Improving Regression Testing using Machine Learning.  | Dr. Girdhari Singh      |
|  | Improving Mutation testing using Machine Learning.  | Dr. Girdhari Singh      |
|  | Sensor and IoT spoofing attacks in healthcare: privacy preserving solutions                           | Dr. Vijay Laxmi         |
|  | Program analysis in hyperthreaded and concurrent applications   | Dr. Vijay Laxmi         |
|  | Metaverse Security  | Dr. Pilli E. S.         |
|  | Blockchain Security and Forensics   | Dr. Pilli E. S.         |
|  | A Computational Framework for Emotion Analysis in Text  | Dr. Dinesh Gopalani     |
|  | Multilingual Source Code Analysis   | Dr. Dinesh Gopalani     |
|  | Knowledge extraction in Natural language  | Dr. Namita Mittal       |
|  | AI based Smart Grid Management  | Dr. Namita Mittal       |
|  | Real world Applications of Internet of things (IoT)   | Dr. Mushtaq Ahmed       |
|  | Social Network and Behavior Analysis  | Dr. Mushtaq Ahmed       |
|  | Blockchain Security in real-time applications   | Dr. Meenakshi Tripathi  |
|  | Privacy preserving with deep learning   | Dr. Meenakshi Tripathi  |
|  | IoT Security and its applications   | Dr. Meenakshi Tripathi  |
|  | Applications for Smart Networks   | Dr. Meenakshi Tripathi  |
|  | Event prediction in Social Networks   | Dr. Yogesh Kumar Meena  |
|  | Information extraction in unstructured data   | Dr. Yogesh Kumar Meena  |
|  | Federated learning for secure Connected vehicles.   | Dr. Ramesh Babu Batulla |
|  | AI/ML techniques in Advanced future commuter Networks   | Dr. Dinesh Kumar Tyagi  |
|  | Integration of Blockchain and FL for security and privacy   | Dr. Dinesh Kumar Tyagi  |
|  | Machine Learning with Graphs  | Dr. Mahipal Jadeja      |
|  | Social Network Analysis using Graph Neural Networks (GNNs)  | Dr. Mahipal Jadeja      |
|  | Machine-learning based security solutions for IoT, VANET and SDN                                      | Dr. Jyoti Grover        |
| Security and Vulnerability issues in next generation Vehicular Ad Hoc networks   | Dr. Jyoti Grover  |                         |
| Large-scale Image and Video Classification   | Dr. Deepak Ranjan Nayak   |                         |
| Design of advanced Machine Learning and deep learning techniques for pattern recognition in images and using them for agricultural and medical applications. | Dr. Lavika Goel   |                         |
| Design of generic Nature inspired Optimization algorithms and hybrid Intelligent systems for real world applications.  | Dr. Lavika Goel   |                         |

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|--|---|---------------------------|
|  | Smart agriculture using computer vision and IoT | Dr. Ashish Kumar Tripathi |
|  | Deep learning models for activity detection     | Dr. Ashish Kumar Tripathi |
|  | Plant disease detection using machine learning  | Dr. Ashish Kumar Tripathi |
|  | Data clustering using swarm intelligence.       | Dr. Ashish Kumar Tripathi |
|  | Anomaly Detection in Very Large Scale Systems   | Dr. Ashish Kumar Tripathi |

| <b>FULL TIME WITH OWN SCHOLARSHIP (NET JRF/CSIR JRF ETC..)</b> |  |   |
|--|--|---|
| <b>Department</b>  | <b>Tentative Research Area of proposed Ph.D</b>  | <b>Faculty</b>                                  |
| Electronics and Communication Engineering                      | MEMS   | Dr. R.P. Yadav                                  |
|  | Applying Cognitive Approaches to Electronic Design Automation/VLSI. Application of Cognitive Approaches to language translation & learning | Dr. Vineet Sahula                               |
|  | AI for Photonic Devices and Components/Quantum Photonics   | Dr. Ghanshyam Singh                             |
|  | Machine Learning and Nature Inspired Optimization  | Dr. Satyasai Jagannath Nanda                    |
|  | Deep Learning for Computer Vision applications   | Dr. Kuldeep Singh                               |
|  | AI based biomedical device development   | Dr. Kuldeep Singh                               |
|  | Advanced semiconductor device modeling   | Dr. Menka                                       |
|  | Wideband Microstrip Antenna  | Dr. Sarthak Singhal                             |
|  | Multiband/Wideband Absorbers   | Dr. Sarthak Singhal                             |
| Humanities and Social Sciences                                 | Energy/Green Economics   | Dr. Dipti Sharma                                |
|  | Impact Assessment of Power Sector Reforms; Electricity Markets   | Dr. Dipti Sharma                                |
|  | Development Economics  | Dr. Manju Singh                                 |
|  | Rural Development  | Dr. Manju Singh                                 |
|  | Technology Diffusion   | Dr. Manju Singh                                 |
|  | Public Policy  | Dr. Manju Singh                                 |
|  | Sociology of Gender  | Dr. Nidhi Bansal                                |
|  | Digital Inequalities and marginalization   | Dr. Nidhi Bansal                                |
| Material Research Centre                                       | Fluorescent Carbon dots for multi-functional applications  | Dr. Bhagwati Sharma                             |
|  | 2D materials for hydrogen storage  | Dr. Nisha Verma                                 |
|  | Integrated multi-sensor platform using dual electrochemical and optical detection for on-site pollutant detection in water                 | Dr. Himmat Singh Kushwaha (DST Inspire faculty) |
|  | Polymer Metal-Organic Framework nanocomposite membranes for selective for CO <sub>2</sub> Capture  | Dr. Kamakshi Pandey                             |
| Mathematics  | Mathematical Modelling of Fluid Flow Phenomenon  | Dr. Kushal Sharma                               |
|  | Computational Partial Differential Equations   | Dr. Kushal Sharma                               |
|  | Nonlinear optimization techniques for neural networks  | Dr. Priyanka Harjule                            |
|  | Computational statistical methodologies for social network models  | Dr. Priyanka Harjule                            |
|  | Bayesian statistical methods   | Dr. Priyanka Harjule                            |
|  | Markov chain monte Carlo methods   | Dr. Priyanka Harjule                            |
|  | Partial Metric Spaces  | Dr. Anubha Jindal                               |
|  | Hyperspace Topologies  | Dr. Anubha Jindal                               |
|  | Spectral Graph theory  | Dr. K. Palpandi                                 |
|  | Computational Scheme for Partial Differential Equations  | Dr. Santosh Chaudhary                           |
|  | Blood Flow with Magnetic Effect  | Dr. Santosh Chaudhary                           |
|  | Bicomplex Analysis and applications  | Dr. Ritu Agarwal                                |
|  | Biological modeling using Fractional calculus  | Dr. Ritu Agarwal                                |
|  | Applications of fractional calculus in Neural Networks   | Dr. Ritu Agarwal                                |

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|---|--|-----------------------------|
|   | Electromagnetic field theory in bicomplex space  | Dr. Ritu Agarwal            |
| Electrical Engineering  | Modern Distribution system analysis  | Dr. Akhilesh Mathur         |
|   | AI based State estimations and control of Robots   | Dr. Rajesh Kumar            |
|   | AI for Healthcare  | Dr. Rajesh Kumar            |
|   | Control of Grid-connected VSIs using different PWM techniques.   | Dr. Kapil Shukla            |
|   | Power Quality  | Dr. Kapil Shukla            |
|   | Planning, Operation and Control of Power Grids Integrated with Renewables                                  | Dr. Kusum Verma             |
|   | Optimal energy management in smart grid and smart cities   | Dr. RAVITA LAMBA            |
|   | Integrating renewable energy systems for net zero energy buildings design                                  | Dr. RAVITA LAMBA            |
| Chemistry   | Layered carbide based nanocomposites for energy and environmental applications                             | Dr. Sumanta Kumar Meher     |
|   | Low-cost metal chalcogenides for sustainable energy  | Dr. Sumanta Kumar Meher     |
|   | Carbon Nanoparticles as Visible-Light Photocatalysts for CO <sub>2</sub> Conversion                        | Dr. Sumit Kumar Sonkar      |
|   | Sunlight-Promoted Applications of Doped Nano Carbons   | Dr. Sumit Kumar Sonkar      |
|   | Computational modeling of ion transport in biological membrane and nanopores                               | Dr. Pradeep Kumar           |
|   | Matrix isolation IR spectroscopic study of surface catalyzed reactions                                     | Dr. Dr. Biman Bandyopadhyay |
|   | Mechanistic investigations of atmospheric reactions using low temperature IR spectroscopy                  | Dr. Dr. Biman Bandyopadhyay |
|   | Green synthesis of nanomaterials for emerging pollutant detection and photodegradation for wastewater      | Dr. Ragini Gupta            |
|   | Synthesis of novel nanocomposites as phase change materials for energy storage                             | Dr. Ragini Gupta            |
|   | Stereoselective Synthesis of Carbohydrate scaffolds of Medicinal importance                                | Dr. Sudhir Kashyap          |
|   | Stereoselective Glycosylation for the Synthesis of glycoconjugates employing Greener methods               | Dr. Sudhir Kashyap          |
|   | Development of advanced nanomaterials for photocatalytic degradation of pollutants in water                | Dr. Meena Nemiwal           |
|   | Green synthesis of nanomaterials for electrochemical hydrogen production and sensing applications          | Dr. Meena Nemiwal           |
|   | Transition metal based nanostructures: Analytical methodologies  | Dr. Manviri Rani            |
|   | Metal organic framework for energy and environmental applications  | Dr. Manviri Rani            |
|   | Organometallic Syntheses for Small Molecule Activation.  | Dr. Abbas Raja Naziruddin   |
|   | Preparation and functionalization of Nanomaterials for Water Splitting Reactions.                          | Dr. Abbas Raja Naziruddin   |
|   | Organometallic Photo-Catalyst as Green Fuels.  | Dr. Abbas Raja Naziruddin   |
|   | Chemical investigation of bioactive compounds from natural resources for the development of drug molecules | Dr. Mukesh Jain             |
|   | Application of Carbon Nano-composites for the Treatment of Wastewater                                      | Dr. Barun Jana              |
| Application of Transition Metal Complexes for Sustainable Catalysis | Dr. Barun Jana   |                             |

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|----------------------------------|---|----------------------------|
|                                  | Transition metal catalyzed/oxidant promoted C-H bond activation/functionalization of various heteroarenes with substantial application to drug discovery, agrochemicals, and material sciences. | Dr. Jyoti Joshi            |
|                                  | Synthesis of various heterogeneous nanocatalyst for C-H bond activation of different heterocycles having diverse applications.  | Dr. Jyoti Joshi            |
|                                  | Synthesis of solar dye sensitized organometallic complexes  | Dr. Raj Kumar Joshi        |
| Chemical Engineering             | Water Purification using membrane Technology  | Dr. S.P Chaurasia          |
|                                  | Bioethanol Production in MBR system.  | Dr. S.P Chaurasia          |
|                                  | Application of Microbial fuel Cells in wastewater treatment.  | Dr. Suja george            |
|                                  | Synthesis of novel photocatalyst for the photocatalytic degradation of biorefractory pollutants   | Dr. Virendra Kumar Saharan |
|                                  | Biomass to valuable chemicals   | Dr. Rohidas Gangaram Bhoi  |
|                                  | Role of inorganic content of biomass in decomposition of plastics.  | Dr. Rohidas Gangaram Bhoi  |
|                                  | Study of membrane fouling used in water and waste water treatment   | Dr. Madhu Agarwal          |
|                                  | Studies on wastewater treatment   | Dr. R. K. Vyas             |
|                                  | Synthesis of valuable products using marble processing slurry.  | Dr. S. K. Jana             |
|                                  | Manufacture of glass using wastes from marble processing and common salt producing plant  | Dr. S. K. Jana             |
| Physics                          | Investigation of structural and optical properties nanocrystalline thin films   | Dr. Srinivasarao Nelamarri |
|                                  | Functionalized polymer nanocomposite membranes for hydrogen separation  | Dr. Kamendra Awasthi       |
|                                  | Advanced Soft Materials in Sensor and Actuators   | Dr. Kamendra Awasthi       |
|                                  | Electrical Transport in Quantum Materials and Devices   | Dr. Manoj Kumar            |
|                                  | Si-based Nanostructures for Supercapacitors and Li-ion Batteries.   | Dr. Manoj Kumar            |
|                                  | Advanced Electrocatalysts for Hydrogen Generation   | Dr. Debasish Sarkar        |
|                                  | Advanced Carbons for Energy Storage Devices   | Dr. Debasish Sarkar        |
|                                  | Electrocatalytic Hydrogen Production from Water   | Dr. Debasish Sarkar        |
|                                  | ZIF-8 mixed matrix membrane for CO <sub>2</sub> capture and separation  | Dr. Kamakshi               |
| Resurgent analysis of scalar QED | Dr. Anees Ahmed   |                            |
| Civil Engineering                | Climate change impacts on hydrology and water resources.  | Dr. Himanshu Arora         |
| Management Studies               | Corporate Finance   | Dr. Satish Kumar           |
|                                  | Fintech and Consumer Finance  | Dr. Satish Kumar           |
|                                  | Sustainable Supply Chain Management and Circular Economy  | Dr. Monica Sharma          |
|                                  | Sustainable supply chain management   | Dr. Divesh Kumar           |
|                                  | Socially Responsible HRM & Organizational Performance   | Dr. Reeta Singh            |
|                                  | Sustainable HRM Practices & Challenges  | Dr. Reeta Singh            |
|                                  | Responsible Leadership  | Dr. Priyanka Sihag         |
| Computer Science and Engineering | Real world Applications of Internet of things (IoT)   | Dr. Mushtaq Ahmed          |
|                                  | Social Network and Behavior Analysis  | Dr. Mushtaq Ahmed          |
|                                  | Event prediction in Social Networks   | Dr. Yogesh Kumar Meena     |
|                                  | Information extraction using NLP  | Dr. Yogesh Kumar Meena     |
|                                  | Privacy and security issues in VANET using blockchain   | Dr. Jyoti Grover           |

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|--|--|-------------------------|
|  | Machine learning based solutions for next generation networks. | Dr. Jyoti Grover        |
|  | Large-scale Image and Video Classification                     | Dr. Deepak Ranjan Nayak |
|  | Quantum Security and Privacy                                   | Dr. Pilli E. S.         |
|  | Browser Forensics  | Dr. Pilli E. S.         |

| <b>FOR PART TIME PH.D.(ONLY FOR RESEARCH PERSONNEL PRESENTLY SERVING IN VARIOUS PROJECTS IN MNIT JAIPUR)</b> |  |                           |
|--|--|---------------------------|
| <b>Department</b>  | <b>Tentative Research Area of proposed Ph.D</b>  | <b>Faculty</b>            |
| Electronics and Communication Engineering  | AI based biomedical device development   | Dr. Kuldeep Singh         |
| Mechanical Engineering   | Numerical and Experimental Characterisation of Thermo-set Hybrid Textile Composite Curved Laminates for Armoured Helmets | Dr. Harlal Singh Mali     |
|  | Use of additives to enhance cetane number in renewable fuels   | Dr. Nikhil Sharma         |
| Electrical Engineering   | Smart grid/Microgrid: operation and control  | Dr. Akhilesh Mathur       |
|  | AI based State estimations and control of Robots   | Dr. Rajesh Kumar          |
|  | AI for Healthcare  | Dr. Rajesh Kumar          |
|  | Electric Vehicle Charging and Coordination   | Dr. Rohit Bhakar          |
| Centre for Energy and Environment  | Electric Vehicle Charging and Coordination   | Dr. Rohit Bhakar          |
|  | Machine learning for battery technology.   | Dr. Kapil Pareek          |
|  | Automation for energy storage application  | Dr. Kapil Pareek          |
|  | Smart Electric Vehicle charging  | Dr. Parul Mathuria        |
| Chemistry  | Metal Waste Based Nanoparticles used for Organic Transformation Reactions  | Dr. Sumit Kumar Sonkar    |
|  | Stereoselective Synthesis of Rare-Sugars and Unnatural Glycoconjugates Comprising 2-Deoxy and 6-Deoxy Saccharides        | Dr. Sudhir Kashyap        |
| Chemical Engineering   | Pectin as a emulsifying agent for biodiesel synthesis  | Dr. Rohidas Gangaram Bhoi |
| Computer Science and Engineering   | Cross Domain Face Recognition  | Dr. Neeta Nain            |
|  | Face Age Progression and Regression  | Dr. Neeta Nain            |
|  | Retinal Fundus Image Analysis, Deep Learning,  | Dr. Deepak Ranjan Nayak   |

### **11. MINIMUM QUALIFICATION(S) FOR ADMISSION TO M.TECH./M.PLAN. SPONSORED (FULL TIME/PART TIME)**

Table 3

| <b>S. No.</b> | <b>Academic Department</b> | <b>Post Graduate Programme</b> | <b>Minimum Educational Qualification</b>   |
|---------------|----------------------------|--------------------------------|--|
| 1.            | Chemical Engg.             | Chemical Engg.                 | B.E./B.Tech. in Chemical Engg., Chemical & Polymer Engg., Chemical Technology, Biochemical Engg., Biotech Engg., Biotechnology, Environmental Engineering, Leather Technology, Material Science & Engg./Technology, Petro-Chemical Engg./Technology, Nanotechnology, Polymer Science & Rubber Technology, Polymer Science & Technology, Polymer Technology, Bioengineering, Biotechnology & Biochemical Engg., Dairy |

|    |                                   |                                    |  |
|----|-----------------------------------|------------------------------------|--|
|    |                                   |                                    | <p>Technology, Environment &amp; Pollution Control, Food Engg./Technology, Industrial Biotechnology, Oil &amp; Paint Technology, Oil Technology, Oils, Oleochemicals &amp; Surfactants Technology, Paint Technology, Petroleum Engg./Technology, Plastic &amp; Polymer Engg., Plastic Engg./Technology, Pulp &amp; Paper Engg., Pulp Technology, Rubber Technology, Surface Coating Technology.</p> <p>BE./B.Tech Degree in any Discipline, Agriculture Engineering, Biomedical Engineering, Environmental Science &amp; Engineering, Production and Industrial Engineering, Engineering Sciences, Mining Engineering, Metallurgical Engineering, M.Sc. in Chemistry, M.Sc. in Physics, M.Sc. in Mathematics</p> |
| 2. | Civil Engg.                       | Water Resource Engg.               | B.E./B.Tech. in Agriculture Engg., Civil Engg., Irrigation Engg., Water Management, Civil Engg. & Planning, Civil Technology.  |
| 3. | Civil Engg.                       | Environmental Engg.                | B.E./B.Tech. in Agriculture Engg., Biotech Engg., Biotechnology, Chemical Engg., Civil Engg., Civil Environmental, Computer Technology, Mechanical Engg., Biotechnology & Biochemical Engg., Chemical Technology, Civil Engg. & Planning, Civil Technology, Environmental & Pollution Control, Environmental Science & Engg./Technology.   |
| 4. | Civil Engg.                       | Transportation Engg.               | B.E./B.Tech. in Civil Engg., Construction Engg., Construction Technology, Highway Engg., Transportation Engg., Transportation & Urban Planning, Civil Engineering & Planning, Civil Technology.  |
| 5. | Civil Engg.                       | Structural Engg.                   | B.E./B.Tech. in Building & Construction Tech., Civil Engg., Construction Engg., Construction Technology Structural Engg., Applied Mechanics, Civil Engg. & Planning, Civil Technology, Computer Aided Design of Structures.  |
| 6. | Civil Engg.                       | Disaster Assessment and Mitigation | B.E./B.Tech. in Agriculture Engg., Chemical Engg., Civil Engg., Computer Technology, Construction Engg., Construction Technology, Irrigation Engg., Water Management, Civil Engg. & Planning, Civil Technology.  |
| 7. | Electrical Engg.                  | Power Systems                      | B.E./B.Tech. in Electrical Engg.   |
| 8. | Electrical Engg.                  | Power Systems Management           | B.E./B.Tech. in Electrical Engg.   |
| 9. | Electronics & Communication Engg. | Electronics & Communication Engg.  | B.E./B.Tech. in Electronics & Communication Engg. Electronics and Instrumentation Engg., Electronics and Telecom Engg, Electronics Engg, Telecommunication Engg, Applied Electronics Telecommunication Engg, Communication Engg  |

|     |  |  |   |
|-----|--|--|---|
|     |  |  | Computer and Communication Engg., Electronics and Computer Engg., Electronic and Electrical Communication Engg, Electronics Design Technology. Electronics Science and Engg. , Information & Comm. Technology.  |
| 10. | <b>Electronics &amp; Communication Engg.</b> | <b>VLSI Design</b>                         | B.E./B.Tech. in Electronics & Communication Engg. Electronics and Instrumentation Engg., Electronics and Telecom Engg, Electronics Engg ,Telecommunication Engg., Applied Electronics Telecommunication Engg, Communication Engg., Computer and Communication Engg., Electronics and Computer Engg., Electronic and Electrical Communication Engg, Electronics Design Technology. Electronics Science and Engg., Information & Comm. Technology, VLSI System Design.  |
| 11. | <b>Mechanical Engg.</b>                      | <b>Industrial Engineering</b>              | B.E./B.Tech. in Mechanical Engg., Industrial Engg., Industrial Engg. & Management, Industrial & Production Engg., Production & Industrial Engg., Production Engg., Production Engg. & Management.   |
| 12. | <b>Metallurgical &amp; Materials Engg.</b>   | <b>Metallurgical &amp; Materials Engg.</b> | B.E./B.Tech (All Engineering Branches), M.Sc. in Applied Physics, M.Sc. in Materials Science, M.Sc. in Physics, M.Sc. in Engineering Physics and Instrumentation, M.Sc. in Nano Science and Technology, M.Sc. in Materials Science Solid State Physics.   |
| 13. | <b>Computer Science &amp; Engg.</b>          | <b>Computer Science &amp; Engg.</b>        | B.E./B.Tech. in Applied Electronics & Instrumentation Engg., Computer Engg., Computer Science, Computer Science & Engg., Computer Science & Information Technology, Computer Technology, Electrical & Electronics Engg., Electrical & Instrumentation, Electrical Engg., Electrical Engg. (Power), Electrical Power Engg., Electronics & Communication Engg., Electronics & Instrumentation Engg., Electronics & Telecom Engg., Electronics Engg., Information Technology, Power Electronics, Telecommunication Engg., Applied Electronics & Telecommunication Engg., Communication Engg., Computer & Communication Engg., Computer Engg. & Application, Computer Networking, Computer Science & System Engg., Computer Science & Technology, Computing in Computing, Computing in Multimedia, Computing in Software, Electrical Engg. & Industrial Control, Electrical & Instrumentation Engg., Electrical & Power Engg., Electrical Instrumentation & Control Engg., Electronics Instrumentation & Control Engg., Electronics & Computer Engg., Electronics & Control Systems, Electronics & Electrical Communication Engg., Electronics & Electrical Engg., Electronics & Information Systems, Electronics & Power Engg., Electronics & Telematics Engg., Electronics Communication & Instrumentation Engg., Electronics Design Technology, Electronics Instrument & Control, Electronics Science & Engg., Industrial Electronics, Information & Comm. |

|     |                                 |                                     |   |
|-----|---------------------------------|-------------------------------------|---|
|     |                                 |                                     | Technology, Information Engg., Information Science, Information Science & Engg./Technology, Software Engg., VLSI System Design  |
| 14. | Architecture & Planning         | Master of Planning (Urban Planning) | B.Arch., B.Plan., Bachelor in Town Planning, Bachelor in Transportation Planning, Bachelor in Urban Planning, Bachelor in Town & Country Planning, B.E or B.Tech. in Civil Engineering, B.E or B.Tech. in Environmental Engineering, B.E or B.Tech. in Construction Engineering., B.E or B.Tech. in Construction Technology.  |
| 15. | Material Research Centre        | Material Science & Engineering      | M.Sc. in Physics/ Chemistry/ Applied Science/ Electronics/ Materials Science/Nanotechnology.<br>OR<br>B.Tech. in Applied Electronics and Instrumentation Engineering/ Ceramic Engineering/ Chemical Engineering/ Electrical and Electronics Engineering/ Electrical and Instrumentation Engineering/ Electrical Engineering/ Electronics and Communication Engineering/ Electronics and Instrumentation Engineering/ Electronics Engineering/ Engineering Physics/ Instrumentation and Control Engineering/ Instrumentation Engineering/ Manufacturing Engineering/ Materials Science and Engineering/ Mechanical Engineering/ Metallurgical and Materials Engineering/ Nanotechnology/ Polymer Science and Technology/ Production Engineering/ Ceramic Technology/ Chemical Technology/ Electronics and Electrical Engineering/ Instrument Technology/ Materials Science and Metallurgical Engineering/ Materials and Metallurgical Engineering/ Polymer Engineering and Technology  |
| 16. | Centre for Energy & Environment | Renewable Energy                    | B.E./B.Tech. in Architectural Engg., Architecture, Automobile, Biochemical, Biotech., Biotechnology, Chemical, Civil, Civil Environmental, Control & Electrical, Electrical & Electronics, Electrical & Instrumentation, Electrical, Electrical Engg. (Power), Electrical Power, Electro-chemical, Energy, Engineering Physics, Environmental, Industrial Manufacturing, Industrial & Production, Industrial, Industrial Engg. & Management, Industrial Metallurgy, Manufacturing Engg./Tech., Material Science & Engg./Tech., Mechanical Engg., Metallurgical & Materials, Metallurgical & Materials Tech., Metallurgical, Metallurgical Engg. & Material Science, Metallurgy, Power Electronics, Production & Industrial, Production, Production Engg. & Management, Renewable Energy, Chemical & Polymer, Civil Engg. & Planning, Electrical Engg. & Industrial Control, Electrical & Instrumentation, Electrical & Power, Electrical Science & Engg., Environmental Science & Engg./Tech., Material Science & Metallurgical, Mechanical & Automation, Mechanical Engg. Automobile, Power Control & Drives, Power, Solar & Alternate Energy, M. Sc in Applied Physics, Physics, Engineering Physics, |

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|--|--|--|--|
|  |  |  | Engineering Physics & Instrumentation, any other relevant specialization in B.E./B.Tech./M.Sc. |
|--|--|--|--|

## 12. SEAT MATRIX AND OTHER DETAILS

**Table 4. Duration of M. Tech./M.Plan./M.Sc. Programme**

| Programme | Duration of the Programme |                  |
|-----------|---------------------------|------------------|
|           | Normal duration           | Maximum duration |
| M. Tech.  | Full Time: 4 Semesters    | 6 Semesters      |
|           | Part Time: 6 Semesters    | 8 Semesters      |
| M.Sc.     | Full Time: 4 Semesters    | 6 Semesters      |

**Table 5. Seat Matrix for M.Tech./M.Plan Programme (Session 2022-23)**

| Programme  | Full Time Sponsored | Part Time Sponsored |
|--|---------------------|---------------------|
| Chemical Engineering                                   | 2                   | 3                   |
| Computer Science & Engineering                         | 5                   | 6                   |
| Civil Engineering (Disaster Assessment and Mitigation) | 5                   | 6                   |
| Electronics & Communication Engineering                | 5                   | 6                   |
| Environmental Engineering                              | 1                   | 6                   |
| Industrial Engineering                                 | 3                   | 4                   |
| Metallurgical & Materials Engineering                  | 2                   | 3                   |
| Material Science & Engineering                         | 2                   | 3                   |
| Power Systems  | 5                   | 6                   |
| Power Systems Management                               | 5                   | 6                   |
| Structural Engineering                                 | 5                   | 6                   |
| Transportation Engineering                             | 5                   | 6                   |
| Urban Planning   | 5                   | 6                   |
| VLSI Design  | 5                   | 6                   |
| Water Resources Engineering                            | 5                   | 6                   |
| Renewable Energy                                       | 5                   | 6                   |

**Table 6. Basis for Selection to Postgraduate Programmes leading to M. Tech./M.Plan. Degree for Full Time/Sponsored (Full-time and Part-time) candidates**

| Category                                       | Basis for Selection  |
|--|--|
| M. Tech./M.Plan(Full time sponsored/Part Time) | Experience, merit of qualifying examination & interview/Test |

## 13. GENERAL INFORMATION

- (a) Admission will be to the first semester of the respective postgraduate programme.

- (b) Admission to various PG programmes leading to M.Tech./M. Plan. degree would be based on a merit list prepared by the respective departments. The merit list will be made available on the website of the Institute. **No separate information will be sent to the candidates.**
- (c) A student who is admitted and registered for a postgraduate programme at the Institute but leaves before completing or discontinued his/her studies, shall not be admitted to a programme at the same level.
- (d) The institute reserves the right not to run any particular programme, if the number of students in that programme is less than the minimum number specified by the Institute at the time of admission.
- (e) The institute reserves the right to change its statutes and regulations relating to academic programmes and the modalities of admission without prior notice.
- (f) There is no age restriction for postgraduate programme.
- (g) In matters of interpretation of the provisions or any matter not covered here in this information brochure, the decision of the Chairman, Senate shall be final and binding on both the parties.

The institute reserves the right to alter the number of seats in any programme without any prior notice.

**Notes:**

- (1) The provisions for reservation of seats given above are subject to modification in accordance with any Government Order, if issued subsequently by the Government of India.
- (2) It will entirely be the responsibility of the candidate to prove his/her eligibility in terms of minimum educational qualifications and for claiming reservation under a specific category, if any, at the time of submitting the application.
- (3) The requisite certificate for SC/ST/OBC category must be submitted, along with application, in original, issued by a competent authority listed in Annexure 1, failing which the benefit of the reserved category will not be given. The OBC certificate should have been issued after **March 31, 2022**.
- (4) PWD candidates should submit along with the application, the certificate, in original, from a Government medical board. Such a candidate may, however, be asked to appear before a Medical Board duly constituted by MNIT, Jaipur for this purpose. The Medical Board will decide the courses, which cannot be offered to a candidate, on the basis of the nature of his/her disability. The candidate will be offered admission out of the remaining courses as per the institute policy.
- (5) **The last date for online application is 06-06-2022 (till 5.00 PM)**
- (6) **The candidate should be ready with all original documents and PG dissertation thesis at the time of interview for PhD admission.**

## 14. FEES

Updated Fees structure will be available on Institute website ([https://mnit.ac.in/academics/fee\\_structure](https://mnit.ac.in/academics/fee_structure))

## 15. MATTERS OF DISPUTE

Disputes if any, arising out of or relating to any matter whatsoever shall be subject to the exclusive jurisdiction of Jaipur Courts.

## 16. RAGGING

Ragging is banned in the institute and anyone indulging in ragging is likely to be punished appropriately and the punishment may include expulsion from the institute, suspension from the institute or classes for a limited period or fine with a public apology. The punishment may also take the shape of: (i) withholding assistantship or other benefits; (ii) debarring from representation in events (iii) withholding results (iv) suspension, rustication or expulsion from hostel or mess. (v) monetary fines.

## 17. IMPORTANT INSTRUCTIONS

- a. The candidates are advised to read each and every instruction given in this Information Brochure very carefully before filling-up the Application Form.
- b. **The application fee of Rs. 1000/- for General/OBC/EWS category and Rs. 500/- for SC/ST category candidates is to be deposited online only while submitting the application.**
- c. The candidate must keep a photocopy of the form for future reference.
- d. **Scrutiny of application shall be done solely on the basis of information submitted by you in the application form, hence fill it very carefully. If at any stage of admission process a candidate is found not to meet the eligibility criteria, have hidden/submitted incorrect information, the candidature of the candidate will be summarily cancelled.**
- e. Request for change of category received after the last date will not be accepted under any circumstances.
- f. **Attested photo stat copies of the certificates/testimonials and all originals documents, PG dissertation/thesis copy should be brought along with the Application Form while coming for admission process. Two recent passport size photographs should be brought. Application Form either incompletely filled or without attested copies of the certificates/testimonials is liable to be rejected.**
- g. Original Documents of the following certificates have to be produced at the time of interview :-
  - i. High School/Secondary School certificate in support of age/date of birth. No other certificate is acceptable in support of the age/date of birth.
  - ii. Provisional/Final Degree certificate/Migration Certificate must be attached.
  - iii. The Marks Sheet/Grade Card of Qualifying Examination including Diploma if applicable.
  - iv. Character Certificate from the Director/Dean of Students Affairs of the Institute from where the candidate has graduated (For Full-time course applicants only).
  - v. Character Certificate from two persons of repute where the candidate has been residing for the last two years (For part-time course applicants only).
  - vi. Certificate from the employer on the official stationary and rubber stamp of the organization/institution (For full-time sponsored/part-time candidates only).
  - vii. **A statement of purpose (only for those who are applying for Ph.D.) including research idea in not more than 300 words. This SOP will have due weightage during process of screening/selection. This has to be compulsorily filled in the online application.**
- h. In case the candidate is seeking admission as a sponsored candidate, he/she should submit a certificate from his/her present employer on official stationary with rubber stamp that he/she will be sponsored on deputation/study leave/extra ordinary leave with permission to attend the full time M.Tech. course if he/she is admitted. The employer should also indicate that the candidate will not be withdrawn midway till the completion of the course.

**ANNEXURE I**

**AUTHORITIES WHO MAY ISSUE CASTE/TRIBE CERTIFICATE  
(SC/ST/OBC candidates should submit certificate issued by any of the following authorities)**

District Magistrate/Additional District Magistrate/ Collector/ Deputy Commissioner/ Additional Deputy Commissioner/ Deputy Collector/ 1st Class Stipendiary Magistrate/ City Magistrate/ Sub-Divisional Magistrate / Taluka Magistrate /Executive Magistrate /Extra Assistant Commissioner/ Chief Presidency Magistrate/Additional Chief Presidency Magistrate/ Presidency Magistrate/ Revenue Officer not below the rank of Tehsildar/Sub-Divisional Officer of the area where the candidate and /or his/her family normally resides/Administrator/Secretary to Administrator/Development Officer (Lakshadweep Island).

**(Certificate issued by any other authority will be rejected.)**

**ANNEXURE II**

**CERTIFICATE FROM INSTITUTE / UNIVERSITY  
(Required during registration from candidates whose result of the qualifying examination has not been declared)**

I hereby certify that Mr./Ms. .... has appeared in the final year examination including theory, practical and project examination for B.E./B.Tech./B.Sc./M.Sc.....degree (strike out the non-applicable ones and write in the blank if the degree is not mentioned) and the result is likely to be announced by ..... His/her conduct and character during his/her stay at the Institute/University was "GOOD".

Place: .....  
Date:.....

Signature of the Principal/Dean/Registrar/  
Dy. Registrar/Proctor/Administrative  
Officer of the institute last attended with seal

**ANNEXURE III**

**CERTIFICATE OF THE FORWARDING OFFICER  
(Required from candidates who is yet to appear in the qualifying examination or yet to get the degree)**

I hereby certify in connection with the application of Mr./Ms. .... that he/ she is a bonafide student of our institution and is applying for admission to PG programmes at MNIT Jaipur. He/She is yet to complete / has completed all the requirements of qualifying examination including theory, practical and project examination for B.E./B.Tech./B.Sc./M.Sc. .... (Strike out the non-applicable ones and write in the blank if the degree is not mentioned) and the result is likely to be announced by ..... His/her conduct and character during his/her stay at the Institute/University is "GOOD".

Place:.....  
Date:.....

Signature of the Principal/Dean/Registrar/  
Dy. Registrar/Proctor/Administrative Officer  
of the institute attending/last attended with seal

**SPONSORSHIP CERTIFICATE**  
(Required from Full-time Sponsored Candidates only)

(This should be typed on the letterhead of the Sponsoring Organization and enclosed with application for admission)

To,  
The Director  
MNIT, Jaipur  
Sub: Sponsoring of an employer for M.Tech. Programme.

We hereby Sponsor the candidature of Mr./Ms. .... who is working in this organization for the last .....years and is presently holding the rank/position of ..... for joining his/her M. Tech. programme in ..... at your Institute as a Full Time candidate in the Department of ..... with specialization in the following areas:

- 1.....
- 2.....
- 3.....

His/her conduct and character is good.

The Institution/Organization would relieve him/her immediately for joining the above course, if selected for admission. We shall fully relieve him/her duties in the organization to devote sufficient time for M. Tech./M. Plan..

Place: .....  
Date:.....

Signature of Head of the Institution/Organization with seal  
Name .....  
Designation .....

\*Candidate should also give a separate undertaking that he would fulfill the attendance requirements of all the courses undertaken by him for fulfillment of the course pursued.

**NO OBJECTION CERTIFICATE**  
(Required from Candidates Seeking Admission on Part-time Basis)

(On a letterhead of the sponsoring organization & enclosed with application for admission)

The undersigned is pleased to permit Mr./Ms. .... who is working in this organization for the last ..... years and is presently holding the rank/position of ..... for pursuing the programme (course) at MNIT Jaipur in the Department of ..... with specialization in the following areas:

- 1.....
- 2.....
- 3: .....

His/her conduct and character is good. We are ready to relieve him/her during study hours (usually 8-10 hours of classroom instructions in a week) to undergo the Masters' programme / (usually about 6 hours of classroom instructions in a week) to undergo the Ph.D. programme as per time-table of the Institute, which follows slot system. We understand that the duration of course work is expected to be 4 semesters for Part-Time M.Tech. programme/ 3 semesters for part-time Ph.D. programme, while total duration is expected to be 3 years for part time M.Tech./ 5 years for part-time Ph.D.

Place: .....  
Date:.....

Signature of Head of the Institution/Organization with seal  
Name .....  
Designation .....

## NO OBJECTION CERTIFICATE

(Required from Candidates Seeking Admission on OFF CAMPUS Basis)  
(On a letterhead of the sponsoring organization & enclosed with application for admission)

The undersigned is pleased to permit Mr./Ms. .... who is working in this organization for the last **(must be more than two year)** ..... years and is presently holding the rank/position of ..... for pursuing the programme (course) at MNIT Jaipur in the Department of ..... with specialization in the following areas:

- 1.....
- 2.....
- 3.....

His/her conduct and character is good. We are ready to relieve him/her to stay on the campus to enable the candidate to complete the "Course work", "Comprehensive Examination" and "State of Art Seminar" and at the end of every semester for the semester evaluation. The organization has the **research and library facilities** available and the same would be available to him/her for carrying out research.

Place: .....  
Date:.....

Signature of Head of the Institution/Organization with seal  
Name .....  
Designation .....

## Annexure VII

## FORMAT FOR OBC [NCL] CERTIFICATE

TO BE PRODUCED BY OTHER BACKWARD CLASSES AS PER CENTRAL GOVT. FORMAT ONLY

[This certificate MUST have been issued on or after 1<sup>st</sup> April 2022]

This is to certify that Shri/Smt./Kum. \_\_\_\_\_ Son/Daughter of Shri/Smt

\_\_\_\_\_ of Village/Town \_\_\_\_\_  
District/Division \_\_\_\_\_ in the \_\_\_\_\_ State/UT belongs  
to the \_\_\_\_\_ Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C), dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186, dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC, dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163, dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC, dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88, dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC, dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC, dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC, dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC, dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC, dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC, dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270, dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC, dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71, dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC, dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 21/09/2000.
- (xii) Resolution No. 12016/9/2000-BCC, dated 06/09/2001.

- (xiii) Resolution No. 12011/1/2001-BCC, dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC, dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC, dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 16/01/2006.
- (xvi) Resolution No. 12015/2/2007-BCC, dated 18/08/2010.
- (xvii) Resolution No. 12015/2/2007-BCC, dated 11/10/2010.
- (xviii) Resolution No. 12015/13/2010-BC-II, dated 08/12/2011.
- (xix) Resolution No. 12015/05/2011-BC-II, dated 17/02/2014.
- (xx) Resolution No. 12011/6/2014-BC-II, dated 07/12/2016.

Shri/Smt./Kum. \_\_\_\_\_ and/or his family ordinarily reside(s) in the \_\_\_\_\_ District/Division of \_\_\_\_\_ State/UT. This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36 012/22/93-Estt.(SCT), dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.), dated 09/03/2004.

Place \_\_\_\_\_  
Date \_\_\_\_\_

Signature \_\_\_\_\_  
Designation^ \_\_\_\_\_  
(with seal of office)

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) ^The authorities competent to issue Caste Certificates are indicated below:
  - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / First Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1<sup>st</sup> Class Stipendiary Magistrate).
  - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
  - (iii) Revenue Officer not below the rank of Tehsildar.
  - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.
- (C) OBC Certificate issued from Maharashtra State must be validated by the Social Welfare Department of Maharashtra Government.

**OBC Undertaking**

**Declaration / undertaking - for OBC Candidates only**

I, \_\_\_\_\_ son/daughter of Shri \_\_\_\_\_ resident of village/town/city \_\_\_\_\_  
district

\_\_\_\_\_ State hereby declare that I belong to the \_\_\_\_\_ community which is recognized as a backward class by the Government of India for the purpose of reservation in services as per orders contained in Department of Personnel and Training Office Memorandum No.36012/22/93- Estt. (SCT), dated 8/9/1993. It is also declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the above referred Office Memorandum, dated 8/9/1993, which is modified vide Department of Personnel and Training Office Memorandum No.36033/3/2004 Estt.(Res.) dated 9/3/2004. I also declare that the condition of status/annual income for creamy layer of my parents/guardian is within prescribed limits as on financial year ending on March 31, 2022.

**Place:**

**Signature of the Candidate**

**Date:**

**Declaration/undertaking not signed by Candidate will be rejected**

**SC/ST CERTIFICATE FORMAT****FORM OF CERTIFICATE TO BE PRODUCED BY A CANDIDATE BELONGING TO SCHEDULED CASTE OR SCHEDULED TRIBE**

This is to certify that Shri/Smt./Kum. \_\_\_\_\_ Son/Daughter of Shri \_\_\_\_\_

\_\_\_\_\_ of village/Town \_\_\_\_\_ in District/ Division \_\_\_\_\_ of the State/Union Territory \_\_\_\_\_ belongs to the \_\_\_\_\_ caste/Tribe, which is recognized as a Schedule Caste/Scheduled Tribe under.

The Constitution (Scheduled Castes) order, 1950.

The Constitution (Scheduled Tribes) order, 1950.

The Constitution (Scheduled Castes)(Union Territory) order, 1951.

The Constitution (Scheduled Tribes) (Union Territory) order, 1951.

(As amended by the Scheduled Castes and Scheduled Tribes (Modification) Order 1956, the Bombay Reorganization Act, 1960, the Punjab Reorganization Act, 1966, The State of Himachal Pradesh Act, 1970, the North Eastern Areas (Reorganization Act, 1971) and the Scheduled Castes and Scheduled Tribes orders (Amendment) Act, 1976.)

\*The constitution (Jammu &amp; Kashmir) Scheduled Caste Order, 1956;

\*The Constitution (Andaman and Nicobar Islands) Scheduled Tribes, 1959, as amended by the Scheduled Castes and Scheduled Tribes orders (Amendment) Act. 1976;

\*The Constitution (Dadra and Nagar Haveli) Scheduled Castes Order 1962;

\*The Constitution (Dadra &amp; Nagar Haveli) Scheduled Tribes Order, 1962; \*

The Constitution (Pondichery) Scheduled Castes Order, 1964;

\*The Constitution (Uttar Pradesh) Scheduled Tribes Order, 1967;

\*The Constitution (Goa, Daman &amp; Diu) Scheduled Castes Order, 1968;

\*The Constitution (Goa, Daman &amp; Diu) Scheduled Tribes Order, 1968;

\*The Constitution (Nagaland) Scheduled Tribes Order, 1970;

\*The Constitution (Sikkim) Scheduled Castes Order, 1978;

\*The Constitution (Sikkim) Scheduled Tribes Order, 1978;

\*The Constitution (Scheduled Castes) Orders (Amendment) Act, 1990.

\*The Constitution (Scheduled Tribes) Order, (Amendment) Ordinance, 1991.

\*The Constitution (Scheduled Tribes) Order, (Second Amendment) Act, 1991.

\*The Constitution (Scheduled Tribes) Ordinance, 1996

**This certificate is issued on the basis of the Scheduled Castes/Scheduled Tribes Certificate issue to**

Shri \_\_\_\_\_ Father of Shri \_\_\_\_\_ of village/town \_\_\_\_\_ in District/Division \_\_\_\_\_ of the State/UT \_\_\_\_\_

\_\_\_\_\_ who belongs to the \_\_\_\_\_ caste/Tribe which is recognized as a SC/ST in the State/Union Territory

\_\_\_\_\_ issued by the \_\_\_\_\_ (name of the prescribed issuing authority) vide their No. \_\_\_\_\_ dated \_\_\_\_\_ or Shri

\_\_\_\_\_ and or his/her family ordinarily reside(s) in Village/Town \_\_\_\_\_ of \_\_\_\_\_ District/Division of the State/Union Territory of \_\_\_\_\_.

Place \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

Designation \_\_\_\_\_

(With seal of Office)

**NOTE: - The terms ordinarily reside(s) used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.****SC Certificate issued from Maharashtra State must be validated by Social Welfare Department and ST Caste certificate must be validated by Tribal Development Department of Maharashtra Government.****LIST OF AUTHORITIES EMPOWERED TO ISSUE CASTE/TRIBE CERTIFICATE:**

1. District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner /Additional Deputy Commissioner/Dy. Collector/ <sup>1st</sup> Class Stipendiary Magistrate/Sub Divisional Magistrate/Extra Assistant Commissioner/ Taluka Magistrate/Executive Magistrate.
2. Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate.
3. Revenue Officers not below the rank of Tahsildar.
4. Sub-Divisional Officers of the area where the candidate and/or his family normally resides.

**PWD CERTIFICATE FORMAT****DISABILITY CERTIFICATE FORMAT - I****{In cases of amputation or complete permanent paralysis of limbs and in cases of blindness}****(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)**

No. - \_\_\_\_\_

Date - \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Signature/LTI/RTI of the Candidate

|  |
|--|
|  |
|--|

|  |
|--|
| Passport size<br>photograph<br>of the<br>Candidate |
|--|

This is to certify that I have carefully examined Shri/Smt./Kum. \_\_\_\_\_,

son/wife/daughter of Shri \_\_\_\_\_ Date of Birth \_\_\_\_ / \_\_\_\_ / \_\_\_\_

[Age - \_\_\_\_\_ years], male/female, Registration No. \_\_\_\_\_ permanent resident of

House No.- \_\_\_\_\_, Ward/Village/Street \_\_\_\_\_ Post Office

\_\_\_\_\_ District \_\_\_\_\_ State \_\_\_\_\_, whose

photograph is affixed above, and am satisfied that

1. he/she is a case of (Please tick as applicable):
  - a. locomotor disability
  - b. blindness
2. the diagnosis in his/her case is \_\_\_\_\_.
3. He / She has \_\_\_\_\_ % (in figure) \_\_\_\_\_ percent (in words) permanent physical impairment/blindness in relation to his/her \_\_\_\_\_ (part of body) as per guidelines (to be specified).
4. The applicant has submitted the following document as proof of residence:-

| Nature of Document | Date of Issue | Details of authority issuing the certificate |
|--------------------|---------------|--|
|                    |               |  |

Official Seal:

[Authorised Signatory of notified Medical Authority]

Name: \_\_\_\_\_

**DISABILITY CERTIFICATE FORMAT - II**

**{In cases of multiple disabilities}**

**(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)**

No. - \_\_\_\_\_

Date - \_\_\_\_/\_\_\_\_/\_\_\_\_

Signature/LTI/RTI of the Candidate

Passport size  
 photograph  
 of the  
 Candidate

This is to certify that I have carefully examined Shri/Smt./Kum. \_\_\_\_\_,

son/wife/daughter of Shri \_\_\_\_\_ Date of Birth \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_

[Age - \_\_\_\_\_ years], male/female, Registration No. \_\_\_\_\_ permanent resident of

House No.- \_\_\_\_\_, Ward/Village/Street \_\_\_\_\_ Post Office

\_\_\_\_\_ District \_\_\_\_\_ State \_\_\_\_\_, whose

photograph is affixed above, and am satisfied that

1. He/she is a Case of **Multiple Disability**. His/her extent of permanent physical impairment/ disability has been evaluated as per guidelines (to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

| S. No. | Disability           | Affected Part of Body | Diagnosis | Permanent physical impairment/mental disability (in %) |
|--------|----------------------|-----------------------|-----------|--|
| 1      | Locomotor disability | @                     |           |  |
| 2      | Low vision           | #                     |           |  |
| 3      | Blindness            | Both Eyes             |           |  |
| 4      | Hearing impairment   | £                     |           |  |
| 5      | Mental retardation   | X                     |           |  |
| 6      | Mental-illness       | X                     |           |  |

Contd.

2. In the light of the above, his/her overall permanent physical impairment as per guidelines (to be specified), is as follows:

In figures: \_\_\_\_\_ %

In words: \_\_\_\_\_ percent

3. The above condition is progressive/ non-progressive/ likely to improve/ not likely to improve.

4. Reassessment of disability is:

(i) Not Necessary [or]

(ii) is recommended/after \_\_\_\_\_ years \_\_\_\_\_ months, and therefore this certificate shall be valid till (DD/MM/YY) \_\_\_\_\_.

@ - e.g. Left/Right/both arms/legs

# - e.g. Single eye/both eyes

£ - e.g. Left/Right/both ears

5. The applicant has submitted the following document as proof of residence:

| Nature of Document | Date of Issue | Details of authority issuing the certificate |
|--------------------|---------------|--|
|                    |               |  |

6. Signature and seal of the Medical Authority:

|                                |                               |   |
|--------------------------------|-------------------------------|---|
|                                |                               |   |
| <b>Name and Seal of Member</b> | <b>Name of Seal of Member</b> | <b>Name and Seal of the Chairperson</b> |

**DISABILITY CERTIFICATE FORMAT - III**

**{In cases of any other case not covered in Format - I & II}**

**(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)**

No. - \_\_\_\_\_

Date - \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Signature/LTI/RTI of the Candidate

Passport size  
 photograph  
 of the  
 Candidate

This is to certify that I have carefully examined Shri/Smt./Kum. \_\_\_\_\_,

son/wife/daughter of Shri \_\_\_\_\_ Date of Birth \_\_\_\_ / \_\_\_\_ / \_\_\_\_

[Age - \_\_\_\_ years], male/female, Registration No. \_\_\_\_\_ permanent resident of

House No.- \_\_\_\_\_, Ward/Village/Street \_\_\_\_\_ Post Office

\_\_\_\_\_ District \_\_\_\_\_ State \_\_\_\_\_, whose

photograph is affixed above, and am satisfied that

1. He/she is a Case of **Multiple Disability**. His/her extent of permanent physical impairment/ disability has been evaluated as per guidelines (to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

| S. No. | Disability           | Affected Part of Body | Diagnosis | Permanent physical impairment/mental disability (in %) |
|--------|----------------------|-----------------------|-----------|--|
| 1      | Locomotor disability | @                     |           |  |
| 2      | Low vision           | #                     |           |  |
| 3      | Blindness            | Both Eyes             |           |  |
| 4      | Hearing impairment   | £                     |           |  |
| 5      | Mental retardation   | X                     |           |  |
| 6      | Mental-illness       | X                     |           |  |

Contd.

2. In the light of the above, his/her overall permanent physical impairment as per guidelines (to be specified), is as follows:

In figures: \_\_\_\_\_%

In words: \_\_\_\_\_percent

3. The above condition is progressive/ non-progressive/ likely to improve/ not likely to improve.

4. Reassessment of disability is:

(i) Not Necessary [or]

(ii) is recommended/after \_\_\_\_\_ years \_\_\_\_\_ months, and therefore this certificate shall be valid till (DD/MM/YY) \_\_\_\_\_.

@ - e.g. Left/Right/botharms/legs

# - e.g. Single eye/both eyes

£ - e.g. Left/Right/both ears

5. The applicant has submitted the following document as proof of residence:

| Nature of Document | Date of Issue | Details of authority issuing the certificate |
|--------------------|---------------|--|
|                    |               |  |

Official Seal:

[Authorised Signatory of notified Medical Authority\*]

Name: \_\_\_\_\_

\* In case this certificate is issued by a medical authority who is not a government servant, it shall be valid only if countersigned by the Chief Medical Officer of the District. Note: The principal rules were published in the Gazette of India vide notification number S.O. 908(E), dated the 31st December, 1996.

Countersigned^

Official Seal:

[CMO/Medical Superintendent/Head of Govt. Hospital]

Name: \_\_\_\_\_

^ Countersignature and seal of the CMO/Medical Superintendent/Head of Government Hospital is essential in case the certificate is issued by a medical authority who is not a government servant.

**DECLARATION FORM**

|                      |              |
|----------------------|--------------|
| Id. No.              |              |
| Programme:           | <b>Ph.D.</b> |
| Department           |              |
| Name                 |              |
| Son/Daughter/Wife of |              |

I declare that:

1. I shall not receive any salary, scholarship, stipend or any other financial benefit from any other source except the institute assistantship during the period of my study at MNIT. (except top up grants from Institute Project/Industry and income from participating in consultancy projects of faculty of the Institute)
2. I shall not accept and join any job without obtaining prior permission of the institute.
3. I understand that I shall not be permitted to leave the programme midway and shall complete my programme successfully. Failing which I shall pay back entire assistantship received from the institute by me.
4. I also understand that in case I withdraw from the enrolled programme, the caution money shall not be refunded to me.

Signature of the student  
Email Address  
Mobile No.

Dated:

**INCOME & ASSET CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS**

Government of .....

(Name &amp; Address of the authority issuing the certificate)

**[This certificate MUST have been issued on or after 1<sup>st</sup> April 2022**

Certificate No. \_\_\_\_\_

Date: \_\_\_\_\_

VALID FOR THE YEAR \_\_\_\_\_

- 1. This is to certify that Shri/Smt./Kumari \_\_\_\_\_, son/daughter/wife of \_\_\_\_\_ permanent resident of \_\_\_\_\_, Village/Street \_\_\_\_\_ Post Office \_\_\_\_\_ District in the State/Union Territory \_\_\_\_\_ Pin Code \_\_\_\_\_ whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income\* of his/her family\*\* is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year \_\_\_\_. His/her family does not own or possess any of the following assets\*\*\*:**
- I. 5 acres of agricultural land and above;
  - II. Residential flat of 1000 sq. ft. and above;
  - III. Residential plot of 100 sq. yards and above in notified municipalities;
  - IV. Residential plot of 200 sq. yards and above in areas other than the notified municipalities.
- 2. Shri/Smt./Kumari \_\_\_\_\_ belongs to the \_\_\_\_\_ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List).s**

Signature with seal of Office \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

Recent Passport size  
attested photograph  
of the applicant

**The income and assets of the families as mentioned would be required to be certified by an officer not below the rank of Tehsildar in the States/UTs.**

Note:

\* Income covered all sources i.e. salary, agriculture, business, profession, etc.

\*\* The term 'Family' for this purpose includes the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.

\*\*\* The property held by a 'Family' in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

## Contact Details of Head of Departments

| S. No. | Academic Department                                    | Email                | Phone Number (STD Code 0141) |
|--------|--|----------------------|------------------------------|
| 1      | Architecture & Planning                                | hod.arch@mnit.ac.in  | 2591164                      |
| 2      | Center for Energy & Environment                        | hod.cee@mnit.ac.in   | 2713211                      |
| 3      | Chemical Engg.   | hod.chem@mnit.ac.in  | 2299711                      |
| 4      | Chemistry  | hod.chy@mnit.ac.in   | 2521635                      |
| 5      | Civil Engg.  | hod.ce@mnit.ac.in    | 2713379                      |
| 6      | Computer Science & Engg.                               | hod.cse@mnit.ac.in   | 2713418                      |
| 7      | Electrical Engg.                                       | hod.ee@mnit.ac.in    | 2713398                      |
| 8      | Electronics & Communication Engg.                      | hod.ece@mnit.ac.in   | 2713222                      |
| 9      | Humanities & Social Science                            | hod.hum@mnit.ac.in   | 2713396                      |
| 10     | Management Studies                                     | hod.dms@mnit.ac.in   | 2713345                      |
| 11     | Mathematics  | hod.maths@mnit.ac.in | 2713213                      |
| 12     | Mechanical Engg.                                       | hod.mech@mnit.ac.in  | 2713330                      |
| 13     | Metallurgical & Materials Engg.                        | hod.meta@mnit.ac.in  | 2713140                      |
| 14     | Physics  | hod.phy@mnit.ac.in   | 2713114                      |
| 15     | National Centre for Disaster Mitigation and Management | hod.ncdmm@mnit.ac.in | 2713551                      |
| 16     | Materials Research Centre                              | hod.mrc@mnit.ac.in   | 2713568                      |