

INFORMATION BROCHURE for Ph.D. Admission Even Semester 2024-25



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

www.mnit.ac.in

FOR FURTHER INFORMATION, PLEASE CONTACT:

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Web Site: www.mnit.ac.in

APPLICATION HAS TO BE FILLED ONLINE

(Link available at www.mnit.ac.in).

- Start Date of Online Application :- 09-11-2024
- Last Date of submission of Online Application form :- 28-11-2024 (till 5.00 PM)

Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by **05-12-2024**.

- Dates of written test & Interview of the :- 11-12 December 2024
shortlisted candidates
- Final Result :- 19-12-2024

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, at least one week before the examination.*
- *For more information please refer to Rules and Regulations given on institute website 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 (working in MNIT Jaipur only)
- iii. Institute Faculty (working in MNIT Jaipur only)
- iv. Institute Staff (working in MNIT Jaipur only)
- 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 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 750 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 Engineering, Chemical Engineering, Computer, Artificial Intelligence and Data Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Metallurgical & Materials Engineering, 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.

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 2024 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 4.1 (i) (a.) 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/PWD implying minimum of 6.0 on the 10 point scale (55% marks, only where CGPA is not awarded) in qualifying degree.

Visvesvaraya Ph.D. Scheme for Electronics and IT : Phase II of MietY, Govt. of India (Only for the Department of Electronics and Communication Engineering ECE, Computer Science and Engineering (CSE) and Electrical Engineering (EE))

A total of **01 fellowship for Full-Time** candidates and **01 seat for Part Time** Ph.D. candidates are available under Visvesvaraya Ph.D. Scheme for Electronics and IT : Phase-II . It is a part of the II phase of Visvesvaraya Ph.D. Scheme to enhance the number of Ph.Ds in Electronic System Design and Manufacturing (ESDM) and IT/IT Enabled Services (ITES) Sector. Once selected in this scheme, a student is entitled for the scholarship given in the section 10 (VII). **The eligibility and qualification for the admission under this scheme will be as per the section 4.3.1, section 10 (ii) and section 11. The GATE qualification is not mandatory admission under Part Time category under this scheme.**

- iii. **Reservation policy as prescribed by Government of India/Ministry of Education from time to time shall be applicable.**

4.2 SELECTION PROCESS

Selection process will comprise of two steps (i) Written test (ii) Interview of shortlisted candidates. The written test will comprise of two sections: Section A will test the research aptitude of the candidate and Section B, which will test the subject knowledge of the candidate. A candidate is required to score a minimum of 35% separately in both Part A and Part B. Format/sample questions for Part A and Part B, and sample papers will be made available on the Institute website in due course.

4.3 DOCTOR OF PHILOSOPHY

4.3.1 PH.D. IN ENGINEERING, ARCHITECTURE & PLANNING DISCIPLINE

- (a) The applicant must have a Master's degree in Engineering/Technology/Architecture/Planning or an equivalent qualification from a recognized Institute/University with CGPA not below 6.5 on a 10-point scale or 60% marks (Where CGPA is not awarded).
- (b) Candidates with 80% marks or above or an equivalent CGPA in the Bachelor's degree in Engineering/ Architecture/ Planning and a valid GATE score may be recommended by the DPGC to the SPGB for admission to the PhD program.
 - i. However, only students who have graduated from CFTIs or other institutes with NIRF ranking up to 100 shall be considered eligible for admission under this scheme.
 - ii. Such candidates having sufficient experience in the relevant area and publications in refereed conferences/ journals, as notified by the DPGC, may also be considered.
 - iii. Major deliberations shall be expected from the respective Departments/ Centres while admitting any student directly on the basis of a bachelor's degree only.

4.3.2 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).

4.3.3 PH.D. IN MANAGEMENT

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)

4.3.4 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

Sr.	Admission Category	Full/Part Time	Written Exam	Interview	Work Experience	NOC/Consent Letter	Institute Assistantship
1	Full-Time with Institute Assistantship	Full-Time	GATE/UGC-NET/CSIR-NET/ National Level Exam and Institute Exam	✓	×	×	✓
2	Full-Time with own scholarship		UGC/CSIR-JRF/ National Level Exam	✓	×	×	×
3	Full-Time (DST-INSPIRE)		Institute Exam	✓	×	×	×
4	Full-Time Sponsored		Institute Exam	✓	✓	✓	×
5	Off-Campus Sponsored (PT) (beyond 70 km from Jaipur)	Off-Campus	Institute Exam	✓	✓	✓	×
6	Part-Time External (Sponsored)	Part-Time	Institute Exam	✓	✓	✓	×
7	MNIT Jaipur Project Staff (PT)		Institute Exam	✓	×	✓	×
8	MNIT Jaipur Faculty (PT)		Institute Exam	✓	✓	✓	×
9	MNIT Jaipur Staff (PT)		Institute Exam	✓	✓	✓	×
10	Executive/Professional		×	✓	✓	✓	×

*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 (FULL TIME OR PART TIME)

- (a) A candidate who is sponsored for either Full-time or Part-time studies at MNIT Jaipur by his/ her employer and who meets the additional conditions specified below may be admitted through the DSC of the concerned Department/ Centre.
- (b) A sponsored candidate, Full-time or Part-time, must have a total experience of more than two years and must have been in full-time service of the sponsoring organization for at least one year at the time of admission.
- (c) The sponsoring organization must specifically undertake to relieve the Full-time sponsored candidate to pursue the PhD program for its full duration.
- (d) The sponsored candidates (Full-time/ Part-time) are required to submit a No Objection Certificate (NOC) **(strictly as per the format available in the Annexure at the end of the brochure)** from their employer/ organization stating that:
 - i. His/ Her official duties permit him/ her to devote sufficient time to PhD research.
 - ii. He/ she shall 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).
- (e) The candidate shall give an undertaking that he/ she would fulfil the attendance requirements of all the courses undertaken by him/her for the fulfilment of the requirements of the courses and shall appear in person for progress review and evaluation as and when required by the DREC.

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

- a) A candidate residing outside a 70 km radius of Jaipur and working in an R&D establishment or in another institution/ organization which is equipped with the necessary infrastructure for carrying out research and library facilities may be considered by the Senate for admission to the PhD program.
- b) The Institutions/ Organizations eligible for Off-Campus admissions must be recommended by the DPGC of the concerned Department/ Centre and approved by the SPGB.
- c) Such candidates must be sponsored by their employer and must have been employed with the sponsoring organization for at least two years by the last date of application.
- d) The candidates applying under Off Campus category are required to submit a No Objection Certificate (NOC) **(strictly as per the format available in the Annexure at the end of the brochure)** from their employer/ organization stating that the employer must expressly undertake to relieve him/her to stay on the campus to enable the

candidate to complete the "Course work", "Comprehensive Examination", "State of Art" seminar and at the end of every semester for the end-semester evaluation.

- e) A candidate applying for admission to the off-campus program in Engineering/ Sciences 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. He/ she 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.
- f) On the recommendation of the DSC of the concerned Department/Centre, the Chairperson Senate may approve the admission of such candidates.

8. ADMISSION UNDER THE CATEGORY OF EXECUTIVE/PROFESSIONALS FOR PH.D.

- (a) Candidates seeking admission to the PhD program under the Executive/ Professional category shall be required to present a research proposal to the DFB of the concerned Department/ Centre.
- (b) The DSC of the concerned Department/ Centre shall send the DFB's recommendation to the Academic Section.
- (c) Such candidates then shall appear before a Committee with the following members:
 - Dean A, Chairperson
 - Dean R&C, Member
 - Head of the Concerned Department/ Centre, Member

The recommendation of the above committee shall be approved by the Chairperson, Senate, for the selection of the candidate.

9. ADMISSION TO DUAL DEGREE (MPDD) PROGRAM (M.TECH./M.PLAN + Ph.D.)

The Dual degree (MPDD) program has been designed for bright M.Tech./M.Plan students of MNIT Jaipur only, having an inclination and aptitude for research. The program aims to attract the best of the students and attract them early towards research. Once these students complete their M.Tech. course work, they will start their research and earn both M.Tech./M.Plan and Ph.D. degrees at the end of the program.

Once the candidate gets admission into the MPDD program, the requirements of the program will be as per the Ph.D. program in vogue, except for the features indicated below.

i. Eligibility:

1. The students who are admitted to M.Tech/M.Plan program with GATE scholarship at MNIT Jaipur are eligible to register for this program, provided they have an overall CGPA ≥ 8.0 upto second semester of the M.Tech./M.Plan program. The program would be open for only full time M.Tech./M.Plan students admitted with GATE score. The candidate should not have any backlog in any of the registered courses for M.Tech./M.Plan.
2. They can convert themselves to the M.Tech./M.Plan.+Ph.D. Dual Degree (MPDD) program of the concerned academic unit where they have registered for M.Tech. program.

3. The student will be given an option to register for MPDD program any time after the declaration of the second-semester results, i.e. after second or third semester.
4. Minimum CGPA for PhD candidacy is 7.5 and above; for the courses registered after admission to MPDD program.

ii. Admission process:

- a) The willing candidate must apply to the institute for the MPDD program through regular PhD admission process every semester. Admission is not a right, but is subject to successful interview and availability of funded scholarship positions (from institute fellowship/UGC/CSIR, etc.)
- b) The candidate must appear for a personal interview in front of the Departmental Selection Committee (DSC), during the routine PhD admissions. No written test would be conducted for the candidates appearing for this program.

iii. Program Duration:

The total duration of the proposed MPDD program will be minimum 4 (1+3) and maximum of 7 (2+5) years from the date of M.Tech./M.Plan. admission at the institute.

iv. Program Assistantship:

- a) The candidate becomes eligible for scholarship for regular PhD scholars. However, for the scholars admitted through MPDD program, M.Tech./M.Plan. Assistantship would continue till the successful clearing of their Comprehensive Exam.
- b) Once the candidate successfully clears the Comprehensive Exam, the difference of eligible assistantship amount since admission to MPDD program (3rd/ 4th semester onwards) till the date of the Comprehensive Exam will be credited to the candidate in equal installments. After that normal PhD Assistantship will be continued. The assistantship can be provided for a maximum period of 5 years from the date of registration in MPDD program, as per the current PhD assistantship norms.
- c) If a candidate converts to part time, his fellowship will cease as per institutional PhD guidelines.

v. Course requirements:

- a) After clearing the first two semesters of M.Tech. program, the remaining credit requirement for the dual degree program will be equal to the sum of pending credit requirements of the concerned M.Tech./M.Plan program plus 9 credit of PhD program.

For example, if an M.Tech. program has 22 credits to be attained in 3rd and 4th semester, the equivalent credit requirements for dual degree will be 22 credit plus 9 credit. The candidate has to appear for a minimum of total 22 credit in the 3rd and 4th semesters, as per the relevant program, but can additionally register for more courses equivalent to 9 credit of PhD program. Likewise in case of M.Plan. the credits to be attained in 3rd and 4th Semester will be 16 and 14 credits respectively and can additionally register for more courses equivalent to 09 credits of Ph.D Programme. The maximum credit to be registered in any semester is as per current guidelines. This credit can be attained as follows.

For M. Tech. + Ph.D. Dual Degree (MPDD) Programme	For M.Plan + Ph.D. Dual Degree (MPDD) Programme
Third Semester (minimum 11 Credit maximum 17 Credit): Seminar: 3 Credit Research Methodology I: 2 Credit Four Courses: 12 Credit	Third Semester (minimum 18 Credit maximum 21 Credit): Courses of regular M.Plan Degree: 16 Credit Research Methodology I: 2 Credit One Courses extra: 3 Credit
Fourth Semester (minimum 11 Credit maximum 19 Credit) Research Methodology II: 2 Credits Dissertation: 14 Credits One Course: 3 Credits	Fourth Semester (minimum 16 Credit maximum 22 Credit) Dissertation: 14 Credit Research Methodology II: 2 Credit One/Two Course extra: 3/6 Credits

Any shortfall of credit can be covered in the 5th semester.

- b) The candidate must register for sufficient credits in 3rd and 4th semesters, to fulfill the minimum credit requirement for the award of M.Tech./M.Plan. degree, in case the student quits the program with an M.Tech. degree alone.
- c) Comprehensive Exam is to be conducted by the end of the 7th semester, as per current PhD regulations.
- d) The nomination of supervisor for the candidate registering for MPDD program will be done afresh, during the time of departmental interview. The supervisor may be different from the one appointed for the M.Tech./M.Plan program.

vi. Award of degree and Exit options:

- a) After successful completion of the Viva Voce relating to his/her PhD works, the student concerned will be awarded the MPDD together. The M.Tech./M.Plan. degree will be retroactive from the date of the completion of his/her fulfillment of minimum credit requirement for relevant M.Tech./M.Plan program/Comprehensive Examination.
- b) If the candidate intends to leave the program any time after four semesters or is unsuccessful in the Comprehensive Exam, then the candidate will be entitled to only an M.Tech./M.Plan. degree.
- c) The scholar would not be allowed to appear for M.Tech./M.Plan. placements or internships upto his/her Comprehensive Examination, once admitted into the MPDD program.

10. FINANCIAL ASSISTANCE

- i. The Institute may provide financial assistance to postgraduate students in the form of teaching and 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 Ministry of Education from time to time. At present a sum of Rs. 37000 + 16% HRA for first two years and Rs. 42000 + 16% HRA for next three years is being given as institute assistantship.** A student is expected to devote about eight hours per week towards job(s) assigned to him/her by the department/institute. 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/institute.

- 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, UGC/CSIR NET shall be mandatory.**
- iv. **For admission to Ph.D. program with Institute Assistantship in the Humanities & Social Sciences, GATE/ UGC NET/CSIR NET shall be mandatory. 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.**
- v. 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/ Ministry of Education/ Corporate Houses etc.
- vi. The candidates applying for institute assistantship are required to submit the undertaking at the time of admission in the prescribed Performa given in Annexure-XI.
- vii. **Visvesvaraya Ph.D. Scheme for Electronics and IT : Phase II (MietY, Govt. of India) (Only for the Department of Electronics and Communication Engineering ECE), Computer Science and Engineering (CSE) and Electrical Engineering (EE)**

In addition to institute assistantship, a total of 01 fellowship for Full-Time candidate and a total of 01 Part Time seat is available, under Visvesvaraya Ph.D. Scheme for Electronics and IT : Phase-II . It is a part of the II phase of Visvesvaraya Ph.D. Scheme to enhance the number of Ph.Ds in Electronic System Design and Manufacturing (ESDM) and IT/IT Enabled Services (ITES) Sector. A candidate has to EXPLICITLY indicate, whether he/she wishes to be considered for this scheme, in addition to normal process of admissions. Once selected in this scheme, a student is entitled for following

- a) Fellowship for full time Ph.D. candidate @ Rs. 38,750/- per month (1st 2nd year) and @Rs. 43,750/- per month for 3rd, 4th and 5th year of Ph.D. (support till Ph.D. completion or 05 years whichever is earlier).
- b) Reimbursement of Rent (RoR) : This component is linked with the fellowship of Ph.D. candidate. The rate of RoR is 16%.
- c) Support for attending International Conference: Support upto Rs.1.5 Lakhs/Full-time Ph.D. candidate
- d) **The Part-time PhD candidate under Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase-II of MeitY is eligible to receive a one-time incentive of Rs. 3.00 Lakhs, through DBT in his/her bank account, on successful completion of PhD.**

11. MINIMUM QUALIFICATION(S) FOR ADMISSION TO Ph.D. PROGRAMME

Minimum qualification(s)

Department	Minimum Educational Qualification
Architecture & Planning	Masters degree in Architecture/Planning/Technology in relevant discipline.
Chemical Engineering	<p>1. 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.</p> <p>2. M.Sc./dual MSc.-M.Tech or equivalent degree in chemistry/physics/industrial chemistry/biochemistry/ biotechnology/nano-technology/ material science/ nano-science/environmental science/applied energy/energy sciences/ applied physics/ physical science/ relevant disciplines with at least one mathematics subject at Bachelor/B.Sc./UG level.</p> <p>3. M.Sc./ dual MSc-M.Tech. or equivalent degree in science subjects and consistent with department research areas with at least one mathematics subject at Bachelor/B.Sc/UG level.</p>
Chemistry	M.Sc. in Chemistry/ Medicinal Chemistry / Pharmaceutical Chemistry/ Environmental Chemistry/ Biochemistry/ Biotechnology and related disciplines with chemistry as one of the optional subject.
Civil Engineering	M.E./M.Tech. degree in relevant engineering discipline
Computer Science & Engineering	<p>B.E./B.Tech .in CSE/IT/ECE/EE or equivalent disciplines</p> <p>M.E./M.Tech./M.S. in CSE/IT/ECE/EE or equivalent disciplines</p>
Electrical Engineering	M.E./M.Tech. or equivalent degree in respective & relevant Engineering disciplines
Electronics & Communication Engineering	B. Tech. and M.Tech. Electrical/ Electronics/ Computer/ Communication/ Telecommunication/ Instrumentation/ Control/ Microelectronics or equivalent discipline consistent with research areas of department.
Humanities and Social Sciences	M.A./M.Com. or equivalent degree. Master's degree in Science may be considered for research areas consistent with the academic background and special interest.
Mathematics	M.Sc./M.A./M.Tech/MS or equivalent degree in Mathematics/statistics or in relevant discipline
Mechanical Engineering	<p>B.Tech./M.Tech. degree or equivalent degree in Mechanical/Industrial/ Production Engg.</p> <p>B.Tech./M.Tech. degree/ disciplines consistent with the research areas of the department.</p>
Metallurgical & Materials Engineering	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.
Physics	The applicant must have a Master's degree in following areas: M.Sc. in Physics/Applied Physics/Engineering Physics/allied areas of Physics/interdisciplinary areas in physical sciences 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
Centre for Energy and Environment	1) B.Tech./B.E./B.Arch/MSc. With M.Tech in a relevant discipline. 2) B. Tech. students graduating from CFTI and other institutions whose NIRF ranking is up to 100, with a CGPA of 8.0 or above in the relevant disciplines and a valid GATE score. 3) M.Sc. in Physics/Chemistry/Biotechnology/Renewable Energy/Sustainable Development with JRF (Funding from CSIR/UGC/ICMR).
National Centre for Disaster Mitigation and Management	Bachelor's degree in Civil Engineering/Architecture Master's degree in Structural engineering/Earthquake Engineering or any other branch of civil/architectural Engineering
Management Studies	The applicant must have a two-year post-graduate degree or equivalent from recognized institute/University.
Materials Research Centre	The applicant must have a Master's degree in Engineering/Technology/ Science subject Other Qualifications: 1. M.Tech/M.E. or equivalent degree in Materials Science and Engineering, Metallurgical Engineering, Ceramics, Mechanical Engineering, Nanoscience, Polymer Technology, Electronics, Nanotechnology. 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 OR B Tech / BE (from other reputed Institutions of National importance) with CGPA of 8.5 and above, are eligible to apply. 3. M.Sc in Materials Science/Physics/Chemistry Polymer Technology, Electronics, Nanotechnology. Or equivalent Master's degree in allied areas.
Artificial Intelligence and Data Engineering	B.E./B.Tech and M.E./M.Tech. in any engineering discipline, with at least one degree in CSE/IT/ECE/EE/Mechanical or equivalent disciplines.
#Centre for Rural Development	B.Tech. in any discipline and M.Tech./MS in relevant branch

Ph.D. Admission in the Centre for Rural Development is subject to the approval of BOG (Board of Governors)

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.

12. AVAILABLE RESEARCH AREAS IN VARIOUS DEPARTMENTS/CENTRES

FULL TIME WITH INSTITUTE ASSISTANTSHIP		
Department/Centres	Faculty member Name	Tentative Research Area of proposed Ph.D.
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Building Envelope Design for User's Comfort
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Development Regulations for Urban Design of Cities
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Sustainable urban and regional infrastructure
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Affordable Housing and Real Estate Management
ARCHITECTURE AND PLANNING	DR. POOJA NIGAM	Planning and Design for sustainable Urban Development and Built Environment
ARCHITECTURE AND PLANNING	DR. POOJA NIGAM	Built Vernacular Heritage, Crafts and Traditional Knowledge Systems
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Sustainable Housing
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Resilient planning in coastal areas
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Net zero planning
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Sustainable development
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Distributed Machine Learning
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Continual Machine Learning
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Regulating hallucinations in LLMs
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	AI control for swarm of robots
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Healthcare
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Agriculture
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DINESH GOPALANI	AI and ML applications in Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	Thermal Performance of building attached solar photovoltaic
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	Electrical performance of building attached solar photovoltaic
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Electric vehicle thermal management

CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Solar thermal systems
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	Energy efficiency in cooling of buildings
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	Thermal comfort and Indoor Air Quality
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Solar energy and Sustainable development
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Renewable based EV Charging infrastructure
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Wastewater Treatment using Hybrid/novel methods
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Sustainability (Environment & Energy)
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Ergonomic intervention in hand tools for rural workers
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Ergonomics evaluation and new design of farm machineries/equipment for farmers
CHEMICAL ENGINEERING	DR. HRUSHIKESH MADHUSUDAN GADE	Molecular dynamics investigations for biopolymer-based novel materials development using self-assembly approach.
CHEMICAL ENGINEERING	DR. HRUSHIKESH MADHUSUDAN GADE	Exploring experimental and computational strategies for fuel cell component optimization: a molecular dynamics and machine learning approach.
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Transforming Electronic Scrap into Catalysts for CO ₂ Conversion to Valuable Products
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Recovering Critical Metals from Next-Generation Batteries Using Industrial Wastewater
CHEMICAL ENGINEERING	DR. POOJA JANGIR	Experimental and Numerical Investigation of Droplet Formation in a Microchannel Network
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D Printing for Fabrication of Microchannels
CHEMICAL ENGINEERING	DR. DIPALLOY DATTA	Use of Deep Eutectic Solvents as Potential Electrolyte in Ion Batteries
CHEMICAL ENGINEERING	DR. DIPALLOY DATTA	Ultrasound-Extraction of Bioactive Components from Aqueous Solution using Deep Eutectic Solvents
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Co-pyrolysis of plastic and biomass to selected chemicals
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Identification and mitigation of microplastic present from environment
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Industrial or municipal wastewater treatment by constructed wetlands and anaerobic digestion

CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Distillation studies in microchannels
CHEMICAL ENGINEERING	DR. MADHU AGARWAL	Synthesis and application of waste derived biochar for water treatment
CHEMICAL ENGINEERING	DR. MADHU AGARWAL	Development of value added products from natural and industrial waste materials
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Electrochemical Anaerobic Membrane Bioreactor for Treatment of Dye-Contaminated Wastewater
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Application of Machine Learning for Predicting Biogas Yield and Membrane Fouling in Anaerobic Membrane Bioreactor
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Waste Water Treatment by Electro Oxidation Process
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Synthesis of Novel Materials for Environmental Application
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Wastewater Treatment by Hybrid methods
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Process Modeling & Simulation
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Sustainable Catalytic Pathways for Converting Biomass into green fuel and chemicals
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic Treatments of Environmental pollutants: A Green Chemistry Approach
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Green Hydrogen production from biowaste
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	AI & ML Application in Chemical Engineering
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Hydrogen production by water electrolysis in SOEC
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Evolution of noble material for fuel cell
CHEMICAL ENGINEERING	DR. KAILASH SINGH	Application of Artificial Intelligence in Process Systems
CHEMICAL ENGINEERING	DR. MANISH VASHISHTHA	Biomass valorization
CHEMICAL ENGINEERING	DR. MANISH VASHISHTHA	Advanced wastewater treatment techniques
CHEMICAL ENGINEERING	DR. SUSHANT UPADHYAYA	Mathematical modeling of Air gap membrane distillation
CHEMICAL ENGINEERING	DR. SUSHANT UPADHYAYA	Effect of extrusion and 3D printing parameters on the rheological and product performance.
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Sustainable hydrogen production

CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Sustainable biofuel production
CHEMISTRY	DR. PRADEEP KUMAR	Machine learning in condensed matter dynamics
CHEMISTRY	DR. SUDHIR KASHYAP	Studying & Understanding the Computational Modelling of Glycosylation Reactions
CHEMISTRY	DR. SUDHIR KASHYAP	Exploring the Sustainable Chiral Carbohydrate Scaffolds of Therapeutic Importance
CHEMISTRY	DR. RAHUL	Nanomaterials
CHEMISTRY	DR. RAHUL	Sensing and diagnostics
CHEMISTRY	DR. ABHINEET VERMA	NIR Emitting Nano-materials
CHEMISTRY	DR. ABHINEET VERMA	Thermally Activated Delayed Fluorescence (TADF) in ESIPT Materials
CHEMISTRY	DR. BARUN JANA	Applications of Organometallic Complexes in Catalysis
CHEMISTRY	DR. BARUN JANA	Cobalt Catalyzed Organic Transformation Reactions
CHEMISTRY	DR. MANVIRI RANI	Reusable polymeric nanomaterials and their catalytic applications
CHEMISTRY	DR. MANVIRI RANI	Biochar based nanocomposites for remediation of water
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Inorganic Photochemistry
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Transition Metal Catalysis
CIVIL ENGINEERING	DR. SANYAM DANGAYACH	Stability of earth dams
CIVIL ENGINEERING	DR. SANYAM DANGAYACH	Embankment design for high speed railways
CIVIL ENGINEERING	DR. SUMIT KHANDELWAL	Climate change with Remote Sensing and GIS applications
CIVIL ENGINEERING	DR. SUMIT KHANDELWAL	Air pollution and Urban Heat island analysis
CIVIL ENGINEERING	DR. ABHISEKH SAHA	Waste utilization in Geotechnical Engineering
CIVIL ENGINEERING	DR. ABHISEKH SAHA	Sustainable polymers in Geotechnical Engineering
CIVIL ENGINEERING	DR. SANJAY MATHUR	management of Indoor Environmental Quality
CIVIL ENGINEERING	DR. SANJAY MATHUR	Development of Indoor Environmental Quality Index
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Climate Change Impact Analysis of River Flow

CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Simulation and Modeling of Surface Water Systems
CIVIL ENGINEERING	DR. SURESH KUMAR TIWARI	Soil stabilization using waste materials.
CIVIL ENGINEERING	DR. SURESH KUMAR TIWARI	Soil stabilization using reinforcing materials.
CIVIL ENGINEERING	DR. ANOOP IRANNA SHIRKOL	Performance evaluation of structures
CIVIL ENGINEERING	DR. ANOOP IRANNA SHIRKOL	Performance evaluation of temporary structures through bolted/welded connection
CIVIL ENGINEERING	DR. URMILA BRIGHU	Advanced oxidation process for pollution management
CIVIL ENGINEERING	DR. URMILA BRIGHU	Constructed wetland design
CIVIL ENGINEERING	DR. RUCHI SHARMA	Environmental Sustainability and Artificial Intelligence (AI)
CIVIL ENGINEERING	DR. RUCHI SHARMA	Impact of Alternative Fuel Vehicles on Air Quality
CIVIL ENGINEERING	DR. AMIT KUMAR	municipal waste processing
CIVIL ENGINEERING	DR. AMIT KUMAR	municipal solid waste management
CIVIL ENGINEERING	DR. RAMESHWAR JAGANNATH VISHWAKARMA	Evaluation of structural response of slab on grade
CIVIL ENGINEERING	DR. RAMESHWAR JAGANNATH VISHWAKARMA	Evaluation of mechanical properties of preplaced aggregates concrete
CIVIL ENGINEERING	DR. DHIRAJ RAJ	Seismic Vulnerability Assessment of Concrete Gravity Dam
CIVIL ENGINEERING	DR. DHIRAJ RAJ	Performance-based Seismic Design of Building-Slope System
CIVIL ENGINEERING	DR. P V RAMANA	Waste material utilization in diverse structural elements
CIVIL ENGINEERING	DR. P V RAMANA	Recycled waste material as a replacement in Cement production
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	AI-Enabled Cybersecurity Modelling for Critical Infrastructure
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Collaborative Intrusion Detection System Leveraging AI and Blockchain for Cross-Organisational Security
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Artificial Intelligence and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Artificial Intelligence and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Artificial Intelligence based Security solutions

COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Predictive modelling and data analytics in machine learning.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Algorithms for optimization problems.
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Software Testing Improvisation using Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Improving Regression testing using Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	Natural Language Processing using Deep Learning
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	Medical image analysis and diagnosis
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH GOPALANI	Emotion Analysis using Natural Language Processing
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence Ethics and Fairness
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Enhancing Generative AI using Graph Neural Networks
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Generative AI for Images/Videos based applications
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Deep Learning for Video Action Understanding
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Generative AI for cyber security
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Privacy preserving AI for data analytics
COMPUTER SCIENCE AND ENGINEERING	DR. MUSHTAQ AHMED	Artificial Intelligence
COMPUTER SCIENCE AND ENGINEERING	DR. MUSHTAQ AHMED	Wireless sensor networks
ELECTRICAL ENGINEERING	DR. NARAYANA PRASAD PADHY	Impact on distribution network due to integration of Electric Vehicle (EV) charging infrastructure
ELECTRICAL ENGINEERING	DR. NARAYANA PRASAD PADHY	Time of Use (ToU) pricing for Electric Vehicle(EV) charging infrastructure
ELECTRICAL ENGINEERING	DR. SARAVANA PRAKASH P	Electric Vehicles
ELECTRICAL ENGINEERING	DR. SARAVANA PRAKASH P	Power Electronic Converters
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC-DC Converters
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	Electric Vehicles
ELECTRICAL ENGINEERING	DR. KUSUM VERMA	Predictive Data Analytics in Power Systems

ELECTRICAL ENGINEERING	DR. KUSUM VERMA	AI based Optimization of Power Grid Operations
ELECTRICAL ENGINEERING	DR. NIKHIL GUPTA	Electric Vehicles
ELECTRICAL ENGINEERING	DR. NIKHIL GUPTA	Smart Grid
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Electric Vehicle: Integration to Smart Grid
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Smart Grid Security and Analysis
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	Smart grid control
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	Electric vehicle modelling and control
ELECTRICAL ENGINEERING	DR. SANDEEP N	Multilevel inverters
ELECTRICAL ENGINEERING	DR. SANDEEP N	AC/DC integrated chargers
ELECTRICAL ENGINEERING	DR. MANOJ FOZDAR	Power System operation and control
ELECTRICAL ENGINEERING	DR. MANOJ FOZDAR	Power Systems Economics
ELECTRICAL ENGINEERING	DR. PRAVEEN KUMAR AGRAWAL	Electric Vehicle
ELECTRICAL ENGINEERING	DR. PRAVEEN KUMAR AGRAWAL	Smart Grid
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Control theory applications to Power Systems and Power Electronics
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Stability and State-based control of Converter Circuits and investigations
ELECTRICAL ENGINEERING	DR. ANIL SWARNKAR	Optimal Planning and Operation of Microgrid
ELECTRICAL ENGINEERING	DR. ANIL SWARNKAR	Application of AI and Machine Learning in Contemporary Distribution System
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Energy Management in Smart Grid/ Micro grid
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Power Electronics Converters
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI/ML in Medical Robotics
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI/ML in Healthcare
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Connected Electrical Vehicles (CEV) for grid stability
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Electric Vehicles Integration to Grid.
ELECTRICAL ENGINEERING	DR. KHALEEQR REHMAN NIAZI	Optimal energy management of multicarrier energy systems

ELECTRICAL ENGINEERING	DR. KHALEEQR REHMAN NIAZI	Optimal operation and management of renewable embedded distribution systems
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Microwave measurements
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Microwave Imaging
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	Antenna for 5G and 6G Applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	Metasurfaces for 5G and 6G Applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KAMALESH KUMAR SHARMA	Signal processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KAMALESH KUMAR SHARMA	Antennas for 5G and 6G applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	MEMS
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	Signal processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in healthcare
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in cybersecurity
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Nueromorphic computing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Hardware for AI
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. GHANSHYAM SINGH	Integrated Photonics for Quantum Computing Applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. GHANSHYAM SINGH	Development of algorithms for Quantum Sensing and Computing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. R. P. YADAV	Emerging technologies in 5G Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. R. P. YADAV	MIMO Antennas for 5G
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Analog and Digital VLSI Design

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Nano Electronics Device Modelling & Simulation
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Microelectronic Devices & Sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Semiconductor devices and sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ANKIT	Wireless Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ANKIT	Molecular Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna Design for 5G Communication Application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna Design for IOT Application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Flexible electronics for various applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Shared array antenna design for 5G and 6G applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	Analog Integrated Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	MEMS based Sensor Design
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAVI KUMAR MADDILA	Design and development of transceivers for LiFi
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAVI KUMAR MADDILA	Implementation of VoIP technology for private local area access
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in Wireless communication (5G & beyond)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in Signal Processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Design of Meta-material/ Frequency Selective surfaces/Absorbers, Rasorbers for RF/ wireless communication using AI and ML
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	AI and Machine Learning

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VIJAY JANYANI	Design of FSO communication systems for improved performance for deep space applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VIJAY JANYANI	Design and Development of Group-III nitride based LEDs for UV-Blue region for underwater communication
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology of Gender: Gender inequality, sustainable development, public policy
HUMANITIES AND SOCIAL SCIENCE	DR. DR. NIDHI BANSAL	Sociology: Digital Inequalities and marginalisation, social and cultural change, rural and urban development
HUMANITIES AND SOCIAL SCIENCE	DR. DIPTI SHARMA	Energy/Environmental Economics
HUMANITIES AND SOCIAL SCIENCE	DR. DIPTI SHARMA	Sustainable Development
MANAGEMENT STUDIES	DR. MONICA SHARMA	Sustainable Supply Chain Management
MANAGEMENT STUDIES	DR. MONICA SHARMA	Women Entrepreneurship
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	CSR, Sustainability and Circular Economy
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	Strategic Management
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	AI & ML in Agribusiness and Agroecology
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	Middle Mile and Last Mile Supply Chain Optimization in Agribusiness
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Supply chain management
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Business Analytics
MANAGEMENT STUDIES	DR. SHRIDEV	CORPORATE FINANCE
MANAGEMENT STUDIES	DR. SHRIDEV	FINANCIAL DISTRESS
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Corporate Finance
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Global Economics and Financing Practices
MANAGEMENT STUDIES	DR. DIVESH KUMAR	Digital marketing for sustainable consumer behavior
MANAGEMENT STUDIES	DR. DIVESH KUMAR	Value co-creation for sustainability
MANAGEMENT STUDIES	DR. REETA SINGH	Gig Economy and HR practices
MANAGEMENT STUDIES	DR. REETA SINGH	Talent Management
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Optimizing Sustainability in Hotel Supply Chains: Evaluation and Performance

MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Role of Cultural Sensitivity in Indian Advertising: A Consumer Impact Study
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Supramolecular metal-organic gels for electronic applications
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Development of hybrid nanomaterials for Multifunctional applications
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	MXene based electrode materials
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	MXene based material for RF antenna for 5G Communication
MATERIAL RESEARCH CENTER	DR. NEETU KUMARI	Evaluation of battery materials by experimental and modeling tools
MATERIAL RESEARCH CENTER	DR. NEETU KUMARI	Evaluation of supercapacitor materials by experimental and modeling tools
MATHEMATICS	DR. RITU AGARWAL	Qualitative analysis of the Dynamical systems
MATHEMATICS	DR. RITU AGARWAL	Epidemiological dynamical systems
MATHEMATICS	DR. VARUN JINDAL	Set Valued Mappings
MATHEMATICS	DR. VARUN JINDAL	Hyperspace Convergences in General Topology
MATHEMATICS	DR. ANUBHA JINDAL	Study of topologies on the spaces of closed sets
MATHEMATICS	DR. ANUBHA JINDAL	Asymmetric normed spaces and their applications
MATHEMATICS	DR. OM P. SUTHAR	Computational study of nonlinear differential equations
MATHEMATICS	DR. OM P. SUTHAR	Mathematical modeling and numerical simulation of fluid flows.
MECHANICAL ENGINEERING	DR. AMIT ARORA	Compact Earth-Air heat exchangers
MECHANICAL ENGINEERING	DR. AMIT ARORA	Hybrid heat sinks for battery packs
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Metal Additive Manufacturing
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Design and development of MMC
MECHANICAL ENGINEERING	DR. DILIP SHARMA	Alternate gaseous fuels
MECHANICAL ENGINEERING	DR. DILIP SHARMA	Solar thermal energy systems
MECHANICAL ENGINEERING	DR. GUNJAN SONI	Generative AI for Supply Chain Optimization
MECHANICAL ENGINEERING	DR. GUNJAN SONI	Hybrid Data Driven Modeling of Engineering Systems
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	AI enabled Supply Chain Decarbonization

MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	Industry 5.0 enabled Sustainable Manufacturing
MECHANICAL ENGINEERING	DR. NIKHIL SHARMA	Battery thermal management systems (BTMs) based on phase change material (PCM)
MECHANICAL ENGINEERING	DR. NIKHIL SHARMA	Use of hydrogen as a fuel for internal combustion engines
MECHANICAL ENGINEERING	DR. NARESH KUMAR RAGHUWANSHI	Intelligent fault diagnosis of rotating machines
MECHANICAL ENGINEERING	DR. NARESH KUMAR RAGHUWANSHI	Vibration measurements and control
MECHANICAL ENGINEERING	DR. JINESH KUMAR JAIN	Welding Parameter Optimization in Wire Arc Additive Manufacturing (WAAM) using Artificial Intelligence
MECHANICAL ENGINEERING	DR. JINESH KUMAR JAIN	Characterization, analysis and testing of flux fused novel alloy through arc welding processes
MECHANICAL ENGINEERING	DR. ANUP MALIK	Manufacturing & Testing of Nature Inspired Micro Heat Dissipation Devices
MECHANICAL ENGINEERING	DR. ANUP MALIK	Fabrication & Characterization of Metallic Biomaterials for Hard Tissue Applications
MECHANICAL ENGINEERING	DR. MUKESH KUMAR	Tribological performance evaluation of polymer composite materials
MECHANICAL ENGINEERING	DR. MUKESH KUMAR	Tribological performance evaluation of composite materials coatings
MECHANICAL ENGINEERING	DR. MANJINDER SINGH	Heat Transfer
MECHANICAL ENGINEERING	DR. MANJINDER SINGH	Fluid Mechanics
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Fabrication of high entropy alloy 3-D components via Wire-Arc Directed Energy Deposition (WA-DED)
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Joining of dissimilar aluminium alloys for naval guns application
MECHANICAL ENGINEERING	DR. AMAR PATNAIK	Development and analysis of Auxetic textile composite materials for structural application
MECHANICAL ENGINEERING	DR. AMAR PATNAIK	Investigation of Auxetic textile composite materials for armor application
MECHANICAL ENGINEERING	DR. GAURAV HEDAU	Heat transfer enhancement in micro and mini channels by implementing flexible elements to stabilize flow boiling in the channel
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Design of Damage Tolerant Light Weight Structures.
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Plasticity Modelling of Deformation
MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	Energy efficiency in air conditioning systems

MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	District cooling and thermal storage
MECHANICAL ENGINEERING	DR. DINESH KUMAR RATHORE	Development of nanostructured FRP composites for marine applications
MECHANICAL ENGINEERING	DR. DINESH KUMAR RATHORE	Damage characterization in laminated composites
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomics intervention of hand tools in carpet industries.
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomics intervention of hand tools in agricultural sector
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Energy and environment aspects of electrical batteries used in electrical vehicles
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Use of PCM as insulating material for transport of vegetables, fruits and medicines
MECHANICAL ENGINEERING	DR. HARLAL SINGH MALI	Hybrid Composite Fabrication, Characterization and Product Development
MECHANICAL ENGINEERING	DR. HARLAL SINGH MALI	Design Thinking and Smart Orthosis/Prosthesis Development
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Recovery of valuable materials from tungsten scrap(OR) waste Li-ion batteries (Involves the recovery and detailed characterization of the materials)
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Design and development of cathode materials for post -Li sustainable Zn batteries
METALLURGICAL AND MATERIALS ENGINEERING	DR. AJAYA KUMAR PRADHAN	Development of high performance Al alloy/composite
METALLURGICAL AND MATERIALS ENGINEERING	DR. AJAYA KUMAR PRADHAN	In-situ development Al MMC via mechanical alloying
METALLURGICAL AND MATERIALS ENGINEERING	DR. VIJAY NAVARATNA NADAKUDURU	Additive manufacturing of Ti-6Al-4V alloy for high temperature applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. VIJAY NAVARATNA NADAKUDURU	Development of Al-Cu-Li alloy using severe plastic deformation technique via powder metallurgy route
METALLURGICAL AND MATERIALS ENGINEERING	DR. ABHISHEK TRIPATHI	Severe plastic deformation of light metal alloys
METALLURGICAL AND MATERIALS ENGINEERING	DR. ABHISHEK TRIPATHI	Application of artificial intelligence and machine learning in materials science
METALLURGICAL AND MATERIALS ENGINEERING	DR. DEEPANKAR PANDA	Development of Sustainable Aluminum Alloys: A Circular Economic Approach
METALLURGICAL AND MATERIALS ENGINEERING	DR. DEEPANKAR PANDA	A Comprehensive Study of the Correlation between Microstructures, textures, and Mechanical Properties of Mg Alloys
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Mechanical behaviour and corrosion study of AM 316 L steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Study of Microstructure, corrosion and Mechanical behaviour of a newly designed

		TRIP steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Designing a new ultra-high strength steel with multicomponent precipitates
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	High Temperature Oxidation Resistant Coating Materials
METALLURGICAL AND MATERIALS ENGINEERING	DR. MANJESH KUMAR MISHRA	Microstructure and Mechanical Behaviour of Additive Manufactured Nickel Based Superalloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. MANJESH KUMAR MISHRA	Microstructure and Mechanical behaviour of Steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Composite Materials for Defence Applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Coatings and Corrosion Prevention
METALLURGICAL AND MATERIALS ENGINEERING	DR. JYOTIRMAYA KAR	Weldability studies of dissimilar metal/alloy combinations with interest to aerospace and automotive sector.
METALLURGICAL AND MATERIALS ENGINEERING	DR. JYOTIRMAYA KAR	SLM based additive manufacturing of metal/alloys having potential applications in aerospace sector.
METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Study on high entropy alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Study the behavior of dissimilar weld metals
METALLURGICAL AND MATERIALS ENGINEERING	DR. KRISHNA KUMAR	High Entropy Alloy coating for improving tribological properties of steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. KRISHNA KUMAR	Sharp Memory polymer composite for Aerospace applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE MADAM	Nanocomposites for automotive applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE MADAM	Aluminium alloy development for novel applications
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	DR. M. K. SHRIMALI	Dynamic Earthquake Response Modeling: Enhancing Predictive Capabilities through Advanced Mathematical Techniques
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	DR. M. K. SHRIMALI	Progressions in Structural Analysis and Performance of Railway Prestressed Concrete Sleepers: A Comprehensive Investigation
PHYSICS	DR. SRINIVASA RAO NELAMARRI	Structural and optical studies of nanomaterials for optoelectronic application
PHYSICS	DR. SRINIVASA RAO NELAMARRI	Investigation of ion beam irradiation induced modification of nanocrystalline thin films
PHYSICS	DR. DEBASISH SARKAR	Carbon-based materials for High-voltage Supercapacitors
PHYSICS	DR. DEBASISH SARKAR	Electrode Materials for All-Solid-State Batteries

PHYSICS	DR. RAHUL SINGHAL	Nanosensor for Electrochemical Determination of Doping Steroids
PHYSICS	DR. RAHUL SINGHAL	Radiation Hardness of Organic Solar Cell
PHYSICS	DR. AKHILESH NAUTIYAL	Models of Inflation in the light of cosmic microwave background and large scale structure observations
PHYSICS	DR. AKHILESH NAUTIYAL	Testing theories of modified gravity from cosmology
PHYSICS	DR. KAMLENDRA AWASTHI	Flexible Supercapacitors
PHYSICS	DR. KAMLENDRA AWASTHI	Artificial Intelligence-Driven Flexible Gas Sensors
PHYSICS	DR. SUBHAYAN MANDAL	Instabilities in Solar Plasma
PHYSICS	DR. SUBHAYAN MANDAL	Solar wind & ionospheric plasma interaction.

FULL TIME SPONSORED/OFF CAMPUS/PART TIME (INSTITUTE FACULTY, INSTITUTE STAFF, EXECUTIVE/PROFESSIONAL)		
Department/Centre	Faculty Name	Tentative Research Area of proposed Ph.D.
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Visual Communication of Buildings and Built Environment
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Assessment of Development Regulations for Urban Heat Island Mitigation
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Thermal and Visual Comfort for Indoor and Outdoor Spaces
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Sustainable urban and regional infrastructure
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Affordable Housing and Real Estate Management
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Water resource management
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Sustainable development and Quality of Life
ARCHITECTURE AND PLANNING	DR. POOJA NIGAM	Planning and Design for sustainable Urban Development and Built Environment
ARCHITECTURE AND PLANNING	DR. POOJA NIGAM	Built Vernacular Heritage, Crafts and Traditional Knowledge Systems
ARCHITECTURE AND PLANNING	DR. POOJA NIGAM	Tourism Planning and Development

ARCHITECTURE AND PLANNING	DR. POOJA NIGAM	Urban Growth Management and Land Use Planning
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Sustainable housing
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Sustainable built environment
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Resilient planning for coastal cities
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Sustainable urban planning
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Net zero planning
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Sustainable development
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Net zero planning
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Sustainable development
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Algorithms for explainable AI
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	AI in reasoning
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Electric vehicle thermal management
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Solar thermal systems
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	Indoor environmental quality
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Role of Renewable energy in rural development
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Water Treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Sustainability (Environment & Energy)
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Hydrogen Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	GHG reduction strategies for Industrial sectors
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Pathways to deep decarbonisation
CENTRE FOR RURAL DEVELOPMENT	DR. MAHENDER CHOUDHARY	Sustainable Agri-waste management
CENTRE FOR RURAL DEVELOPMENT	DR. MAHENDER CHOUDHARY	Water Management under Climate Change
CENTRE FOR RURAL DEVELOPMENT	DR. MAHENDER CHOUDHARY	Sustainable Agriculture under Climate stress
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Quality of work life of workers in unorganized and rural sectors

CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Ergonomics evaluation and new design of farm machineries/equipment for farmers
CHEMICAL ENGINEERING	DR. HRUSHIKESH MADHUSUDAN GADE	Development of high-performing fuel cell components: Experimental and Simulation Approach.
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Synthesis of advanced materials from secondary resources
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Eco-friendly recovery of critical metals from e-waste
CHEMICAL ENGINEERING	DR. POOJA JANGIR	Utilization of Microchannels in Biomedical Applications
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D Printing for Fabrication of Microchannels
CHEMICAL ENGINEERING	DR. DIPALOY DATTA	Synthesis and Application of Biochar nano-composites for the Removal of Textile Dyes
CHEMICAL ENGINEERING	DR. DIPALOY DATTA	Synthesis and Application of Biochar for CO2 Capture
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Effective utilization of sewage sludge from STPs
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Process development studies for extraction of oil from bhallataka (semecarpus anacardium)
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Valorization of biomass to value-added commodities
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Bio-based polymeric materials synthesized from renewable resources
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	CO2 capture and conversion studies
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Multiphase flow distribution and application studies in microchannels
CHEMICAL ENGINEERING	DR. MADHU AGARWAL	Simultaneous removal of fluoride and arsenic from water
CHEMICAL ENGINEERING	DR. MADHU AGARWAL	Catalytic valorization of cellulose into useful chemicals
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Electrochemical Anaerobic Membrane Bioreactor for Treatment of Dye-Contaminated Wastewater
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Application of Machine Learning for Predicting Biogas Yield and Membrane Fouling in Anaerobic Membrane Bioreactor
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Development of Nanocomposite Polymeric Membrane for Separation Applications
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Waste Water Treatment by Advance Oxidation Process
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Novel Materials for Environmental Application
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Wastewater treatment by Novel Methods

CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Modeling & Simulation
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Wastewater Treatment
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Modeling & Simulation
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Sustainable Catalytic Processes for the Conversion of Biomass to High-Value Building Block Chemicals and Fuels
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Innovative Catalytic Materials for the Removal of Industrial Pollutants
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Catalyst generation from green waste
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Green Hydrogen production form biowaste
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	AI & ML Application in Chemical Engineering
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	CO2 capture study in microchannel.
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Development of material for biogas and hydrocarbon fueled SOFC
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Development of CFD model for PEM fuel/electrolysis cell
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Development of CFD model for SOFC/SOEC
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Improvement of efficacy of low temperature CO2 electrolysis in PEM electrolyser
CHEMICAL ENGINEERING	DR. MANISH VASHISHTHA	Biomass valorization
CHEMICAL ENGINEERING	DR. MANISH VASHISHTHA	Advanced wastewater techniques
CHEMICAL ENGINEERING	DR. SUSHANT UPADHYAYA	Synthesis of Polystyrene using batch process
CHEMICAL ENGINEERING	DR. SUSHANT UPADHYAYA	Effect of extrusion and 3D printing parameters on the rheological and product performance.
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Sustainable hydrogen production
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Sustainable biofuel production
CHEMISTRY	DR. MANVIRI RANI	Nanomaterials synthesis and Chromatography for organic pollutants
CHEMISTRY	DR. MANVIRI RANI	Degradation of plastic additives by nanomaterials
CIVIL ENGINEERING	DR. LEELAMBAR SINGH	GIS application for Environmental Engineering
CIVIL ENGINEERING	DR. LEELAMBAR SINGH	Hydrological modeling

CIVIL ENGINEERING	DR. SANYAM DANGAYACH	Stability of earth dams
CIVIL ENGINEERING	DR. SANYAM DANGAYACH	Embankment design for high speed railways
CIVIL ENGINEERING	DR. NEHA SHRIVASTAVA	Ground Improvement methods with the application of Alternate Materials
CIVIL ENGINEERING	DR. NEHA SHRIVASTAVA	Experimental/ Mathematical Modeling of Geosynthetics reinforced Earth Structures
CIVIL ENGINEERING	DR. NEHA SHRIVASTAVA	Innovative Use of Geosynthetics for Sustainable Infrastructure Development
CIVIL ENGINEERING	DR. NEHA SHRIVASTAVA	Innovative Ground Reinforcement Approaches with Non-traditional Materials
CIVIL ENGINEERING	DR. ABHISEKH SAHA	Waste utilization in Geotechnical Engineering
CIVIL ENGINEERING	DR. ABHISEKH SAHA	Sustainable polymers in Geotechnical Engineering
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Climate Change Impact on Water Resources
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Integrated Flood Management
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	CFD Applications in Water Resources
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Integrated Hydrodynamic Modelling of River Basins
CIVIL ENGINEERING	DR. SURESH KUMAR TIWARI	Soil stabilization using waste materials.
CIVIL ENGINEERING	DR. SURESH KUMAR TIWARI	Soil stabilization using reinforcing materials.
CIVIL ENGINEERING	DR. ANOOP IRANNA SHIRKOL	Performance evaluation of structures
CIVIL ENGINEERING	DR. ANOOP IRANNA SHIRKOL	Performance evaluation of temporary structures through bolted/welded connection
CIVIL ENGINEERING	DR. RUCHI SHARMA	Environmental Sustainability and Artificial Intelligence (AI)
CIVIL ENGINEERING	DR. RUCHI SHARMA	Air Quality and Human Health Risk Assessment
CIVIL ENGINEERING	DR. AMIT KUMAR	municipal solid waste management
CIVIL ENGINEERING	DR. AMIT KUMAR	municipal waste processing
CIVIL ENGINEERING	DR. RAMESHWAR JAGANNATH VISHWAKARMA	Evaluation of structural response of short panelled concrete pavement
CIVIL ENGINEERING	DR. RAMESHWAR JAGANNATH VISHWAKARMA	Experimental and analytical evaluation of slab on grade
CIVIL ENGINEERING	DR. P V RAMANA	Recycled waste material as a replacement in Cement production

CIVIL ENGINEERING	DR. P V RAMANA	Mathematical formulations for recycled concrete structures
CIVIL ENGINEERING	DR. P V RAMANA	Development of recycled concrete using waste material
CIVIL ENGINEERING	DR. P V RAMANA	A mathematical optimization model for the recycled reinforced concrete structural elements
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	AI-Enabled Cybersecurity Modelling for Critical Infrastructure
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Collaborative Intrusion Detection System Leveraging AI and Blockchain for Cross-Organisational Security
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Generative Modelling for Financial Risk Assessments
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	AI-Enabled Cybersecurity Modelling for Internet of Medical Things
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Artificial Intelligence and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Nature Inspired Optimization
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Generative AI
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	AI and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	AI/ML Applications in IoT
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Federated Learning based Security solutions
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	AI based Intrusion Detection System
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Machine Learning and Deep Learning
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Medical Image Processing, Computer Vision
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Graph algorithms and machine learning.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Traffic grooming and congestion control in Elastic Optical Networks.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Traffic grooming algorithms and machine learning.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Fragmentation problems in optical spectrum under Elastic Optical Networks.
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Software Testing Improvisation using Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Improving Regression testing using Machine Learning

COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Improving Mutation testing using Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	Medical image analysis and diagnosis
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	Natural Language Processing using Deep Learning
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH GOPALANI	Multilingual Source Code Analysis
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence for Sustainability
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Enhancing Generative AI using Graph Neural Networks
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Social Network Analysis using Graph Neural Networks (GNNs)
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Predictive Healthcare Modeling using Graph Neural Networks (GNNs)
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Generative AI for Images/Videos based applications
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Deep Learning for Video Action Understanding
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	LLMs for detecting code vulnerability
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Novel Machine Learning Techniques for Android Security Analysis
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Power System Operation
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Renewable Integration
ELECTRICAL ENGINEERING	DR. SARAVANA PRAKASH P	Electric Vehicles
ELECTRICAL ENGINEERING	DR. SARAVANA PRAKASH P	Power Electronic Converters
ELECTRICAL ENGINEERING	DR. SARAVANA PRAKASH P	AC-DC Converters
ELECTRICAL ENGINEERING	DR. SARAVANA PRAKASH P	Power Quality Improvement
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC-DC Converters
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	Electric Vehicles
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	Control Applications to Power Electronics
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC Microgrid

ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Microgrid: Renewable Integration
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Electric Vehicle Management in Smart Grid
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Renewable and Energy Storage Coordination
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Smart Grid Analysis and Optimization
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	Smartgrid/microgrid control
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	Electric vehicle systems
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Model Predictive Control of Power Electronics Systems
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Observer-based fault detection for systems
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	State-based load frequency control of multi-area system
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Investigation of non-linear systems
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Optimal Placement of Grid-Forming controlled Converters
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Energy Management in Microgrid
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Electric Vehicles
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Power Quality Improvement Techniques
ELECTRICAL ENGINEERING	DR. RAJIVE TIWARI	Electric vehicle
ELECTRICAL ENGINEERING	DR. RAJIVE TIWARI	Renewable integration in power system
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Electric Vehicles integration to grid
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Quantum Computing for Power systems
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Advanced Distribution Systems
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Renewable Energy Integration to Grids
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Microwave Measurements
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Microwave Imaging
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Electromagnetic Scattering

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Antennas for Imaging Applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in healthcare
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in cybersecurity
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Computer Vision with Deep Learning
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Deep Learning for Wireless Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Electronic sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	MEMS sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Emerging nano devices for digital application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Emerging nano devices for analog application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. GHANSHYAM SINGH	Development of Routing Algorithms for Photonic Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. GHANSHYAM SINGH	Photonics based Bio-sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. R. P. YADAV	Non Orthogonal Multiple Access in 5G Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. R. P. YADAV	Design and development of Reconfigurable Antennas
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. R. P. YADAV	AI based applications in 5G communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. R. P. YADAV	MEMS
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Analog and Digital VLSI Design
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Nano Electronics Device Modelling & Simulation
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Microelectronic Devices & Circuits

ENGINEERING		
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	RF Integrated Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Microelectronic Devices & Sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Semiconductor devices and sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna Design for 5G Communication Application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna Design for IOT Application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Design of sensors using Flexible materials and its electronic application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Design of Bio energy harvesters
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	Analog Integrated Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	MEMS based Sensor Design
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in Wireless communication (5G & beyond)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in Signal Processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in medical Signal Processing (EEG , EMG , ECG)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in filter design using optimization/AI-ML
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Design of Meta-material/ Frequency Selective surfaces/Absorbers, Rasorbers for RF/ wireless communication using AI and ML
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	AI and Machine Learning
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Antenna design for wireless communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Study and design of the nature and structure of human intelligence using the

ENGINEERING		Cognitive Architecture
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VIJAY JANYANI	Design of FSO communication systems for improved performance for deep space applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VIJAY JANYANI	Error correction in FSO systems for improved performance
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology of Gender: stratification and inequality, education, sustainable development, public policy
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology: Aging and society, social change and development
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Literature of the Marginalized
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Contemporary Trends in Literary Studies
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Literature and Culture
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Exploring Trends in Indian Writing in English
MANAGEMENT STUDIES	DR. MONICA SHARMA	Sustainable Supply Chain Management
MANAGEMENT STUDIES	DR. MONICA SHARMA	Women Entrepreneurship
MANAGEMENT STUDIES	DR. MONICA SHARMA	Circular Economy
MANAGEMENT STUDIES	DR. MONICA SHARMA	Waste Management
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	CSR, Sustainability and Circular Economy
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	Strategic Management
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	AI & ML in Agribusiness and Agroecology
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	Middle Mile and Last Mile Supply Chain Optimization in Agribusiness
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Supply chain management
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Pricing Management
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Battery Lifecycle, sustainability and Thermal Management
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	E-Waste Management Strategies and Policies
MANAGEMENT STUDIES	DR. SHRIDEV	CORPORATE FINANCE
MANAGEMENT STUDIES	DR. SHRIDEV	FINANCIAL DISTRESS

MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Role of Cultural Sensitivity in Indian Advertising: A Consumer Impact Study
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Optimizing Sustainability in Hotel Supply Chains: Evaluation and Performance
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Influence of Digital Marketing on Growth Dynamics in the Indian Textile Sector
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Integrating Social Media and Technology for Effective Customer Relationship Management
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Development of nanomaterials for waste water remediation
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	MAX Phase composites for Cutting Tool Applications
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	Carbide/Nitride Composites for Cutting Tool Applications
MATHEMATICS	DR. KUSHAL SHARMA	Mathematical Modeling of Transport Phenomena Using Differential Equations
MECHANICAL ENGINEERING	DR. AMIT ARORA	Thermal management of electronics' heat
MECHANICAL ENGINEERING	DR. AMIT ARORA	Passive heat transfer enhancement
MECHANICAL ENGINEERING	DR. AMIT ARORA	Thermal management of battery packs
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Design and development of natural fibre reinforced polymer matrix composite
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Ultrasonic machining by natural waste
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Hybrid machining of ceramic materials
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	standard setting for service providers in logistics
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	Logistics 4.0 for Healthcare waste
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	Digitalized Multi modal transportation
MECHANICAL ENGINEERING	DR. NARESH KUMAR RAGHUWANSHI	Intelligent fault diagnosis of rotating machines
MECHANICAL ENGINEERING	DR. NARESH KUMAR RAGHUWANSHI	Vibration measurements and control
MECHANICAL ENGINEERING	DR. JINESH KUMAR JAIN	Optimization of Friction Stir Welding Parameters using Machine Learning Algorithms
MECHANICAL ENGINEERING	DR. JINESH KUMAR JAIN	Welding Process Characterization and Optimization through Machine Learning
MECHANICAL ENGINEERING	DR. ANUP MALIK	Fabrication of personalized medical devices Using Stereolithography
MECHANICAL ENGINEERING	DR. MUKESH KUMAR	Wear performance evaluation of polymer composite materials

MECHANICAL ENGINEERING	DR. MUKESH KUMAR	Wear performance evaluation of composite materials coatings
MECHANICAL ENGINEERING	DR. MANJINDER SINGH	Heat Transfer
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Welding of dissimilar materials for high temperature application
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Wire-Arc Directed Energy Deposition (WA-DED) of aluminium alloys and its post processing
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Thermo-Mechanical Simulation of Functionally Graded Materials for Aerospace Applications
MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	Energy efficiency in air conditioning systems
MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	District cooling and thermal storage
MECHANICAL ENGINEERING	DR. DINESH KUMAR RATHORE	Carbon nanotube (CNT) and graphene oxide modified structural and functional composites
MECHANICAL ENGINEERING	DR. DINESH KUMAR RATHORE	Design and development of advanced fibre reinforced composites for futuristic mobility applications
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomics evaluation and new design of hand tools for handicraft workers.
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomic evaluation and analysis of Agricultural tools for Farmers
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Energy and environment aspects of electrical batteries used in EV
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Use of PCM as insulating material for transportation of vegetables fruits and medicines
MECHANICAL ENGINEERING	DR. HARLAL SINGH MALI	Design Thinking and Smart Orthosis/Prosthesis Development
MECHANICAL ENGINEERING	DR. HARLAL SINGH MALI	Hybrid Composite Fabrication, Characterisation and Product Development
MECHANICAL ENGINEERING	DR. HARLAL SINGH MALI	AI/ML in Micro-Machining and Abrasive Flow Finishing
MECHANICAL ENGINEERING	DR. HARLAL SINGH MALI	Mechatronics based Frugal Product Design and Development
METALLURGICAL AND MATERIALS ENGINEERING	DR. BRIJ MOHAN MUNDOTIYA	Synthesis and development of self lubricating coatings for high temperature applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. BRIJ MOHAN MUNDOTIYA	Antioxidation and anticorrosive coatings for marine applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	In-situ deposition of corrosion and wear resistant coatings on steel, copper, and / or NAB substrates
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Superhydrophobic coatings for marine applications

METALLURGICAL AND MATERIALS ENGINEERING	DR. AJAYA KUMAR PRADHAN	Development of high performance Al alloy/composite
METALLURGICAL AND MATERIALS ENGINEERING	DR. VIJAY NAVARATNA DR. NADAKUDURU	Development of Tungsten carbide (WC) based cutting tools via Powder Metallurgy Route
METALLURGICAL AND MATERIALS ENGINEERING	DR. VIJAY NAVARATNA NADAKUDURU	Development of Ti-46Al-(2-4)Cr (at.%) powders for thermal spray coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. DEEPANKAR PANDA	Effect of Rare Earth and Non-Rare Earth Elements on Mechanical Properties of Magnesium alloys for High Temperature Applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. DEEPANKAR PANDA	In-Situ Fabrication of Aluminum Based Nanocomposites via Mechanical Alloying: An Investigation of Structure-Property Correlations
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Heat treatment and mechanical properties of a Ti-alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Corrosion study of a dual phase steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Additive manufacturing of ultra-high strength steels
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	High Entropy Alloy Coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Composite Materials for Defence Applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Coatings and Corrosion Prevention
METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Study on high entropy alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Heat treatment of stainless steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Fatigue study of superalloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Thermodynamics modelling of phases in steels
METALLURGICAL AND MATERIALS ENGINEERING	DR. KRISHNA KUMAR	Mechanical Behavior of Dissimilar weld metal
METALLURGICAL AND MATERIALS ENGINEERING	DR. KRISHNA KUMAR	Fatigue of stainless steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJENDRA KUMAR GOYAL	Additive Manufacturing of Polymer Matrix Nanocomposites
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJENDRA KUMAR GOYAL	Additive Manufacturing of Polymeric Materials for Biomedical Applications
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	DR. M. K. SHRIMALI	Advanced Methods for Assessing Structural Integrity and Safety of Railway Tunnels: The Experimental & Computational Study
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	DR. M. K. SHRIMALI	Progressions in Structural Analysis and Performance of Railway Prestressed Concrete Sleepers: A Comprehensive Investigation

NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	DR. M. K. SHRIMALI	Towards Robust Earthquake Forecasting and Risk Analysis: Innovations in Mathematical Modeling
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	DR. M. K. SHRIMALI	Seismic Vulnerability Assessment and Mitigation Strategies: Advancements in Mathematical Modeling for Earthquake Resilience
PHYSICS	DR. RAHUL SINGHAL	Ion Irradiation Induced Enhancement in the Efficiency of Nano Sensor
PHYSICS	DR. RAHUL SINGHAL	Double Layer Anti Reflection Coating for Photovoltaics
PHYSICS	DR. RAHUL SINGHAL	Synthesis of Metal Nanoparticles for Tuning of Optical Properties
PHYSICS	DR. KAMLENDRA AWASTHI	Nanocatalysts for green hydrogen generation
PHYSICS	DR. KAMLENDRA AWASTHI	Gas sensors for hydrogen safety

FULL TIME WITH OWN SCHOLARSHIP (NET JRF/CSIR JRF/ETC..)		
Department/Centre	Faculty Name	Tentative Research Area of proposed Ph.D
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	AI for Cybersecurity
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Simplifying LLMs
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	Thermal Performance of building attached solar photovoltaic
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	Electrical Performance of building attached solar photovoltaic
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Electric vehicle thermal management
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Solar thermal systems
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Role of Renewable energy in rural development
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Solar Energy & Sustainability
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Renewable based EV Charging infrastructure
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Water Treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Sustainability (Environment & Energy)

CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Hydrogen energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	wastewater Treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Electrochemical Treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Advanced Oxidation Process
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Green Hydrogen Production
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Hydrogen supply chain
CHEMICAL ENGINEERING	DR. HRUSHIKESH MADHUSUDAN GADE	Development of high-performing fuel cell components: Experimental and Simulation Approach.
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Synthesizing catalysts from e-waste for CO2 conversion to value added product
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Extracting Essential Metals from Next-Gen Batteries Utilizing Industrial Wastewater
CHEMICAL ENGINEERING	DR. POOJA JANGIR	Experimental and Numerical Investigation of Droplet Formation in a Microchannel Network
CHEMICAL ENGINEERING	DR. POOJA JANGIR	Fabrication of Microobjects using 3D Printing
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Applications of graphene in chemical processes
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Nanotechnology in chemical engineering: Applications and challenges
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Application of Life Cycle Assessment to Chemical Processes
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Production of hydrogen energy from biomass: Prospects and challenges
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Utilization of Spent FCC Catalysts
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	6. Study on Carbon Capture and Utilization
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Multiphase flow distribution and application studies in microchannels
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Reactive or Extractive distillation studies in microchannels
CHEMICAL ENGINEERING	DR. MADHU AGARWAL	Activated carbon production and its application for heavy metal removal
CHEMICAL ENGINEERING	DR. MADHU AGARWAL	Glycerol conversion to useful chemicals
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Application of Machine Learning for Predicting Biogas Yield and Membrane Fouling in Anaerobic Membrane Bioreactor

CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Electrochemical Anaerobic Membrane Bioreactor for Treatment of Dye-Contaminated Wastewater
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Development of Nanocomposite Polymeric Membrane for Separation Applications
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Waste Water Treatment by Advance Oxidation Process
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Novel Materials for Environmental Application
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Wastewater Treatment
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Modeling & Simulation
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Novel Materials for Environmental application
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Green Catalysis in biofuel synthesis
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic and Adsorptive environmental pollutant removal
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic renewable chemical synthesis
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic removal of emerging pollutant in wastewater
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Assessment of provskite structured materials for CO2 reduction reaction
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Co-electrolysis of CO2 and water in SOEC
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Photoelectrocatalytic water splitting
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Synthesis and characterization of ceramic material for different application
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Evolution of proton conducting materials for SOFC
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Improvement of efficacy of low temperature CO2 electrolysis in PEM electrolyser
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Sustainable hydrogen production
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Sustainable biofuel production
CHEMISTRY	DR. PRADEEP KUMAR	using neural network potential for the ion transport
CHEMISTRY	DR. SUDHIR KASHYAP	Computational Modelling of Glycosylation Reactions
CHEMISTRY	DR. SUDHIR KASHYAP	Sustainable Chiral Carbohydrate Scaffolds of Therapeutic Importance
CHEMISTRY	DR. SUDHIR KASHYAP	Organic Molecules for Essential Medicinal and Hybrid Materials

CHEMISTRY	DR. SUDHIR KASHYAP	Organocatalysis in Nobel Chemical Transformations
CHEMISTRY	DR. SUDHIR KASHYAP	Greener/Innovating Protocols for Important Metal-Free Transformations
CHEMISTRY	DR. SUDHIR KASHYAP	Photochemical/Electrochemical protocols for Green Synthesis
CHEMISTRY	DR. PAWAN REKHA	Unlocking the potential of acidic-basic catalytic sites for chemical fixation of CO ₂
CHEMISTRY	DR. PAWAN REKHA	Functionalized nanoporous materials for waste water remediation
CHEMISTRY	DR. PAWAN REKHA	Transition metal based hybrid materials for energy and environmental applications
CHEMISTRY	DR. PAWAN REKHA	Metal phosphonate/phosphate derived materials for hydrogen generation
CHEMISTRY	DR. RAHUL	Nanomaterials
CHEMISTRY	DR. RAHUL	Sensing and Diagnostics
CHEMISTRY	DR. RAHUL	Drug Delivery
CHEMISTRY	DR. RAHUL	Gasotransmitter release for therapeutics
CHEMISTRY	DR. RAHUL	Development of NIR fluorescent molecules
CHEMISTRY	DR. RAHUL	Functionalization of Biopolymers
CHEMISTRY	DR. ABHINEET VERMA	ESIPT in Organic Light-Emitting Diodes (OLEDs)
CHEMISTRY	DR. ABHINEET VERMA	NIR Luminescent Nanomaterials for Advanced Imaging and Sensing Technologies
CHEMISTRY	DR. ABHINEET VERMA	Synthesis of NIR-Responsive Metal-Organic Frameworks (MOFs) for Photonic Applications
CHEMISTRY	DR. ABHINEET VERMA	Fluoromagnetic Materials
CHEMISTRY	DR. ABHINEET VERMA	Molecular Spintronics
CHEMISTRY	DR. ABHINEET VERMA	Lanthanide-based Molecular Magnets
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Nanomaterials for Clean Energy and Environment
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Sustainable Nanomaterials for Energy Storage Applications
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Graphene based Nanomaterials for Supercapacitors and Batteries
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Novel Nanomaterials for Hydrogen Production

CHEMISTRY	DR. BARUN JANA	Transition Metal Complexes of Triazolyl-Pyridine Ligands
CHEMISTRY	DR. BARUN JANA	Pd-Catalyzed Organic Transformation Reactions
CHEMISTRY	DR. BARUN JANA	Design and Synthesis of Ruthenium Based Sensors
CHEMISTRY	DR. BARUN JANA	Transition Metal Catalyzed C-H Activation Reactions
CHEMISTRY	DR. BARUN JANA	Detection and Separation of Heavy Metal Ions from Wastewater
CHEMISTRY	DR. BARUN JANA	Detection and Separation of Toxic Anions from Wastewater
CHEMISTRY	DR. MANVIRI RANI	Green functionalized nanocoatings for sensing and environmental analysis
CHEMISTRY	DR. MANVIRI RANI	Transition metal based green nanomaterials as photocatalysts
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Organometallic Chemistry
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Solar Energy Devices
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Green Hydrogen (Inorganic and Physical Chemistry Aspects)
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Molecular Catalysis (For Hydrogen Evolution Reactions)
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Nanomaterials (For Solar Energy Harvesting)
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Computational Chemistry (DFT and Molecular Dynamics Simulations)
CHEMISTRY	DR. BIMAN BANDYOPADHYAY	Spectroscopic investigation of astrochemical reactions on ice surfaces
CHEMISTRY	DR. BIMAN BANDYOPADHYAY	Matrix isolation IR spectroscopy of astrochemically important weakly bound clusters
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Application of AI & ML in Streamflow Prediction
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Assessment of Hydro-meteorological Extremes
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Hydrodynamic Modelling of Water Flow
CIVIL ENGINEERING	DR. RUCHI SHARMA	Environmental Sustainability and Artificial Intelligence (AI)
CIVIL ENGINEERING	DR. RUCHI SHARMA	Impact of Alternative Fuel Vehicles on Air Quality
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	AI-Enabled Cybersecurity Modelling for Critical Infrastructure
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Collaborative Intrusion Detection System Leveraging AI and Blockchain for Cross-Organisational Security

COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Generative Modelling for Financial Risk Assessments
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	AI-Enabled Cybersecurity Modelling for Internet of Medical Things
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Artificial Intelligence and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Nature Inspired Optimization
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Generative AI
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Artificial Intelligence for Network Security
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Federated Learning based Security solutions
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	AI/ML Applications in IoT
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	AI and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Machine Learning and Deep Learning for Computer Vision
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Medical Image Analysis and Explainable AI
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Traffic grooming algorithms and machine learning.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Graph algorithms and machine learning.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Fragmentation problems in optical spectrum under Elastic Optical Networks.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Predictive modelling and data analytics in machine learning.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Predictive modelling and data analytics in machine learning.
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Predictive modelling and data analytics in machine learning.
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	Natural Language Processing using Deep Learning
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	Medical image analysis and diagnosis
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Enhancing Generative AI using Graph Neural Networks
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Social Network Analysis using Graph Neural Networks (GNNs)
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Predictive Healthcare Modeling using Graph Neural Networks (GNNs)

COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Generative AI for Images/Videos based applications
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Deep Learning for Video Action Understanding
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Data analytics for Smart Grids
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	AI applications to Power Systems
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC-DC Converters
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC Microgrid
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	Smart Grid
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Smart Grid Cyber Security
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	AI/ML application to Smart Grid
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Electric Vehicle: Integration to Smart Grid
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Renewable Integration to Smart Grid
ELECTRICAL ENGINEERING	DR. PRAVEEN KUMAR AGRAWAL	Smart Grid
ELECTRICAL ENGINEERING	DR. PRAVEEN KUMAR DR. AGRAWAL	Electric Vehicle
ELECTRICAL ENGINEERING	DR. ANIL SWARNKAR	Smart Grids
ELECTRICAL ENGINEERING	DR. ANIL SWARNKAR	Virtual Energy Storage
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI/ML in Healthcare
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Robust Control like Sliding Mode Control
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Robotics and Control
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Electric Vehicle Technology
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI/ML in Medical Robotics
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Electric Vehicles integration to grid
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Advanced Distribution System Management
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Investigations on Vector Network Analysis

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Microwave and RF circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Non Linear Optimization for Electromagnetics
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Near Field Measurements
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Signal Processing for Antenna Arrays
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Development of Electromagnetic Solvers
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	Antenna for 5G and 6G Applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	Metasurfaces for 5G and 6G Applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	MEMS
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	Signal Processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Deep Learning for Wireless Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in cybersecurity
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Computer Vision with Deep Learning
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Hardware for AI
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Edge computing hardware
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. GHANSHYAM SINGH	Use of AI/ML for performance enhancement of Photonic Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. GHANSHYAM SINGH	Photonic Devices and Circuits for Environmental Sensing Applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Analog and Digital VLSI Design
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Nano Electronics Device Modelling & Simulation

ENGINEERING		
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Microelectronic Devices & Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Mixed Signal Integrated Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	RF Integrated Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Millimeter Wave Radar Sensing Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ANKIT	RF/Wireless Communications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ANKIT	5G Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna Design for IOT Application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna Design for 5G Communication Application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAVI KUMAR MADDILA	Design and development of transceivers for LiFi
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAVI KUMAR MADDILA	Implementation of VoIP technology for private local area access
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAVI KUMAR MADDILA	Implementation of private 5G network
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in Wireless communication (5G & beyond)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in Signal Processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in medical Signal Processing (EEG , EMG , ECG)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in filter design using optimization/AI-ML
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in Trans-receiver design using optimization/AI-ML
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ILA SHARMA	Emerging Topics in Future Wireless Communication using Optimization/AI/ML

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Design of Meta-material/ Frequency Selective surfaces/Absorbers, Resorbers for RF/ wireless communication using AI and ML
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Antenna design for wireless communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	AI and ML in health care
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Study and design of the nature and structure of human intelligence using the Cognitive Architecture
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VIJAY JANYANI	Design of FSO communication systems for improved performance for deep space applications
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Gender Studies
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Literature and Culture
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Indian Writings in English
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Disability Studies
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	English Language Teaching
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Memory and Trauma Studies
HUMANITIES AND SOCIAL SCIENCE	DR. NUPUR TANDON	Identity and self in literature
HUMANITIES AND SOCIAL SCIENCE	DR. NUPUR TANDON	Literature of the marginalised
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology: education and gender, social change and development
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology: Rural and urban development, public policy
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology: Digital Inequalities and marginalisation, social and cultural change
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology: Aging and society, social change and development
HUMANITIES AND SOCIAL SCIENCE	DR. DIPTI SHARMA	Energy/Environmental Economics
HUMANITIES AND SOCIAL SCIENCE	DR. DIPTI SHARMA	Sustainable Development
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI SHARMA	Behavioural and Experimental Economics
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI SHARMA	Applied Macroeconomics

HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Theme and Technique in Contemporary Fiction
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	South Asian Literature and Films
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Gender and Culture
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Cultural Contexts in Literature
HUMANITIES AND SOCIAL SCIENCE	DR. VIBHUTI SINGH SHEKHAWAT	Indian Political Systems
HUMANITIES AND SOCIAL SCIENCE	DR. VIBHUTI SINGH SHEKHAWAT	Indian Judiciary
HUMANITIES AND SOCIAL SCIENCE	DR. VIBHUTI SINGH DR. SHEKHAWAT	Public Administration and Public Policy
HUMANITIES AND SOCIAL SCIENCE	DR. VIBHUTI SINGH DR. SHEKHAWAT	E-Governance
HUMANITIES AND SOCIAL SCIENCE	DR. VIBHUTI SINGH SHEKHAWAT	International Relations
HUMANITIES AND SOCIAL SCIENCE	DR. VIBHUTI SINGH SHEKHAWAT	Comparative Politics
MANAGEMENT STUDIES	DR. MONICA SHARMA	Sustainable Supply Chain Management
MANAGEMENT STUDIES	DR. MONICA SHARMA	Women Entrepreneurship
MANAGEMENT STUDIES	DR. MONICA SHARMA	Circular Economy
MANAGEMENT STUDIES	DR. MONICA SHARMA	Waste Management
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	CSR, Sustainability and Circular Economy
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	Strategic Management
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	Education for Sustainable Development
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	Organizational Well-being and Happiness
MANAGEMENT STUDIES	DR. DEEPAK VERMA	Issues in adoption of technology
MANAGEMENT STUDIES	DR. DEEPAK VERMA	Consumer behavior in digital/online environments
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	AI & ML in Agribusiness and Agroecology
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	Middle Mile and Last Mile Supply Chain Optimization in Agribusiness
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	E-Waste Management Strategies and Policies
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Supply chain management

MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Business Analytics
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	E-Waste Management Strategies and Policies
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Dynamic Pricing and Revenue Management
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Service Operations and Customer Experience
MANAGEMENT STUDIES	DR. SHRIDEV	CORPORATE FINANCE
MANAGEMENT STUDIES	DR. SHRIDEV	FINANCIAL DISTRESS
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Corporate Finance
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Sustainable Finance
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Global Economics and Financing Practices
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Consumer Economics
MANAGEMENT STUDIES	DR. DIVESH KUMAR	Digital marketing for sustainable consumer behavior
MANAGEMENT STUDIES	DR. DIVESH KUMAR	Value co-creation for sustainability
MANAGEMENT STUDIES	DR. REETA SINGH	Gig Economy and HR practices
MANAGEMENT STUDIES	DR. REETA SINGH	Talent Management
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Role of Cultural Sensitivity in Indian Advertising: A Consumer Impact Study
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Optimizing Sustainability in Hotel Supply Chains: Evaluation and Performance
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Influence of Digital Marketing on Growth Dynamics in the Indian Textile Sector
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Integrating Social Media and Technology for Effective Customer Relationship Management
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Exploring the Potential of Virtual and Augmented Reality in E-commerce Marketing
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Impact of Community-Based Marketing on Women's Empowerment through MGNREGA
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Nanoscale materials for optical sensing of metal ions and biomolecules
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Development of nanomaterials for environmental applications

MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Development of multifunctional Fluorescent Carbon dots
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Artificial enzymes for biological applications
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	MXene based thermoelectric materials
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	MXene based Electrode Materials
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	Mechanical Metamaterials
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	Mechanical Behavior of Fiber Reinforced Composites
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	Mg/Graphene Composite for Hydrogen Storage
MATERIAL RESEARCH CENTER	DR. NISHA VERMA	Formation of continuous ceramic fibers
MATHEMATICS	DR. RITU AGARWAL	Mathematical Analysis of Stability in Biological Systems
MATHEMATICS	DR. RITU AGARWAL	Stochastic Modeling and Simulation
MATHEMATICS	DR. RITU AGARWAL	Mathematical Analysis of Nonlinear Dynamical Systems
MATHEMATICS	DR. RITU AGARWAL	Mathematical Modeling of Epidemic Spread and Control Strategies
MATHEMATICS	DR. KUSHAL SHARMA	Differential Equations and Their Applications in Engineering
MATHEMATICS	DR. SANTOSH CHAUDHARY	Computational Scheme for Partial Differential Equations
MATHEMATICS	DR. SANTOSH CHAUDHARY	Computational Scheme for Ordinary Differential Equations
MATHEMATICS	DR. SANTOSH CHAUDHARY	Numerical Investigations of Partial Differential Equations
MATHEMATICS	DR. SANTOSH CHAUDHARY	Numerical Investigations of Ordinary Differential Equations
MATHEMATICS	DR. VARUN JINDAL	Hyperspace Convergences in General Topology
MATHEMATICS	DR. VARUN JINDAL	Set Valued Mappings
MATHEMATICS	DR. VARUN JINDAL	Topology of Uniform Convergence on Spaces of Functions
MATHEMATICS	DR. VARUN JINDAL	Topologies on Closed and Closed Convex Sets
MATHEMATICS	DR. ANUBHA JINDAL	Study of topologies on the spaces of closed sets
MATHEMATICS	DR. ANUBHA JINDAL	Asymmetric normed spaces and their applications
MATHEMATICS	DR. ANUBHA JINDAL	Study of topologies on the spaces of functions

MATHEMATICS	DR. ANUBHA JINDAL	Generalized metric spaces and their applications
MATHEMATICS	DR. OM P. SUTHAR	Mathematical analysis of fluid flows using PDEs
MATHEMATICS	DR. OM P. SUTHAR	Stability analysis of dynamical systems
MATHEMATICS	DR. SANJAY BHATTER	Study of Generalized Hypergeometric Functions
MATHEMATICS	DR. SANJAY BHATTER	Study of Fractional calculus and Special functions
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Damage Sensing Using Machine Learning
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Design and development of cathode materials for post -Li sustainable Zn batteries
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Recovery of valuable materials from tungsten scrap(or) waste Li-ion batteries (Involves the recovery and detailed characterization of the materials)
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Mechanical behaviour of SLM IN 718 alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Phase transformation in a beta Ti alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Corrosion study of a stainless steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE DR. MADAM	Metal matrix nanocomposites
PHYSICS	DR. SRINIVASA RAO NELAMARRI	Ion beam modification of semiconductor nanocrystals for various applications
PHYSICS	DR. SRINIVASA RAO NELAMARRI	Investigation of structural and optical properties of multilayer thin films
PHYSICS	DR. DEBASISH SARKAR	Materials for energy generation and storage applications
PHYSICS	DR. DEBASISH SARKAR	Development of Catalysts for Hydrogen Generation from Water
PHYSICS	DR. DEBASISH SARKAR	Development of Photo-rechargeable Battery/Supercapacitor Systems
PHYSICS	DR. DEBASISH SARKAR	Development of flexible energy storage devices
PHYSICS	DR. MANOJ KUMAR	Topological Superconductivity in Condensed Matter Physics
PHYSICS	DR. MANOJ KUMAR	Development of Quantum-enhanced Sensors
PHYSICS	DR. MANOJ KUMAR	Bismuth Based Quantum Materials and Devices
PHYSICS	DR. MANOJ KUMAR	Non-flammable All-Solid-State Li-ion Batteries

PHYSICS	DR. RAHUL SINGHAL	Graphene Oxide based Nanocomposites for Energy Storage
PHYSICS	DR. RAHUL SINGHAL	Development of composite Materials for EMI Shielding
PHYSICS	DR. RAHUL SINGHAL	Double Layer Anti Reflection Coating for Photovoltaics
PHYSICS	DR. RAHUL SINGHAL	Ion Irradiation Induced Enhancement in the Efficiency of Nano Sensor
PHYSICS	DR. RAHUL SINGHAL	Synthesis of Metal Nanoparticles for Tuning of Optical Properties
PHYSICS	DR. RAHUL SINGHAL	Synthesis and Characterization of Nanocomposite Thin Films
PHYSICS	DR. AKHILESH NAUTIYAL	Models of particle physics in the light of cosmic microwave background and large scale structure observations
PHYSICS	DR. AKHILESH NAUTIYAL	Neutrino masses from cosmology
PHYSICS	DR. KAMLENDRA AWASTHI	Flexible and wearable gas sensors
PHYSICS	DR. KAMLENDRA AWASTHI	Metal oxide-based gas sensor array
PHYSICS	DR. KAMLENDRA AWASTHI	Conjugate polymer-based membranes for hydrogen separation
PHYSICS	DR. KAMLENDRA AWASTHI	Bioinspired Electronic Tongue for healthcare applications
PHYSICS	DR. ANIRBAN DUTTA	Electronic properties of 2D materials
PHYSICS	DR. ANIRBAN DUTTA	A density functional theory study of advanced materials
PHYSICS	DR. ANIRBAN DUTTA	Electronic Properties of Transition Metal Dichalcogenides
PHYSICS	DR. ANIRBAN DUTTA	Synthesis of nanocomposites and their Applications
PHYSICS	DR. RAJNISH DHIMAN	Energy materials for energy conversion/storage devices
PHYSICS	DR. RAJNISH DHIMAN	Investigation of electrode electrolyte interfaces in metal-ion/air batteries
PHYSICS	DR. KAMAKSHI PANDEY	Fabrication of hybrid nanocomposite membranes for selective gas separation
PHYSICS	DR. KAMAKSHI PANDEY	CFD simulation of membranes towards environmental remediation applications
PHYSICS	DR. SUBHAYAN MANDAL	Detection & Characterization of Exoplanets
PHYSICS	DR. SUBHAYAN MANDAL	Classifying Gravitational Waves by EM follow up

FOR PART TIME PH.D. (ONLY FOR RESEARCH PERSONNEL PRESENTLY SERVING IN VARIOUS PROJECTS IN MNIT JAIPUR)

Department/Centres	Faculty member Name	Tentative Research Area of proposed Ph.D.
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Water sensitive planning
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Watershed management
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	GIS based strategies for watershed management
CHEMICAL ENGINEERING	DR. POOJA JANGIR	Experimental and Numerical Investigation of Droplet Formation in a Microchannel Network
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Design and development of high throughput microchannel based gas absorption unit
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	CO2 capture studies in packed bed
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Waste Water Treatment by Electro Oxidation Process
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Novel Materials for Environmental Application
CIVIL ENGINEERING	DR. AMIT KUMAR	municipal waste processing
CIVIL ENGINEERING	DR. AMIT KUMAR	municipal waste management
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	AI-Enabled Cybersecurity Modelling for Critical Infrastructure
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Collaborative Intrusion Detection System Leveraging AI and Blockchain for Cross-Organisational Security
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Artificial Intelligence, Machine Learning and Deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Nature Inspired Optimisation
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Development of Intelligent Multi-Label Ophthalmic Disease Diagnostic Model using Fundus Images
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Deep Learning for Medical Image Analysis
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	Antenna for 6G applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in cybersecurity
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in healthcare
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Nano device to circuit
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Analog and Digital VLSI Design

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Nano Electronics Device Modelling & Simulation
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Millimeter Wave Radar Sensing Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Microelectronic Devices & Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Design of Meta-material/ Frequency Selective surfaces/Absorbers, Resorbers for RF/ wireless communication using AI and ML
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Antenna design for wireless communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	AI and ML for health care
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M. M. SHARMA	Study and design of the nature and structure of human intelligence using the Cognitive Architecture
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	English Language Teaching
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Literature and Culture
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Major Themes in Contemporary English Fiction
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Trends in Contemporary Literature and Theory
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	AI & ML in Agribusiness and Agroecology
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	Middle Mile and Last Mile Supply Chain Optimization in Agribusiness
MANAGEMENT STUDIES	DR. REETA SINGH	Gig Economy and HR practices
MANAGEMENT STUDIES	DR. REETA SINGH	Talent Management
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Role of Cultural Sensitivity in Indian Advertising: A Consumer Impact Study
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Optimizing Sustainability in Hotel Supply Chains: Evaluation and Performance
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Influence of Digital Marketing on Growth Dynamics in the Indian Textile Sector
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Integrating Social Media and Technology for Effective Customer Relationship Management
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	Digital Transformation in Healthcare Waste Management
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	Artificial intelligence enabled sustainable health care waste management
MECHANICAL ENGINEERING	DR. JINESH KUMAR JAIN	Design and development of material for self-adjustable bone tissue using additive manufacturing techniques
MECHANICAL ENGINEERING	DR. JINESH KUMAR JAIN	Fabrication and characterization of biomedical implant using smart manufacturing processes
METALLURGICAL AND MATERIALS	DR. SWATI SHARMA	Improving strength-toughness of ultra-high strength martensitic steels for aerospace

ENGINEERING		applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Development of grain refiners for High Alloyed Steels
PHYSICS	DR. RAHUL SINGHAL	Ion Irradiation Induced Enhancement in the Efficiency of Nano Sensor
PHYSICS	DR. RAHUL SINGHAL	Nanosensor for Electrochemical Determination of Doping Steroids
PHYSICS	DR. RAHUL SINGHAL	Synthesis of Metal Nanoparticles for Tuning of Optical Properties
PHYSICS	DR. RAHUL SINGHAL	Synthesis and Characterization of Nanocomposite Thin Films

13. GENERAL INFORMATION

- 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.
- The institute reserves the right to change its statutes and regulations relating to academic programmes and the modalities of admission without prior notice.
- 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:

- 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.
- 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.
- 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/EWS certificate should have been issued after March 31, 2024.**
- 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.
- The candidate should be ready with all original documents and PG dissertation thesis at the time of interview for Ph.D. admission.**

14. FEES

Updated Fees structure will be available on Institute website 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. **Self attested photo stat copies of the certificates/testimonials and all original 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/ Self attested photocopies of the following certificates have to be brought along with the Application Form 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 all candidates).
 - 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. **Candidate needs to submit a statement about research proposal (in not more than 500 words) for the topic chosen as first priority. It MUST be attached with application. This will have due weightage during process of screening/selection process..**

- 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 Ph.D. 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.

ANNEXURES

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 Ph.D. Programme.

We hereby Sponsor the candidature of Mr./Ms. who is working in this organization for the lastyears and is presently holding the rank/position of for joining his/her Ph.D. 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 Ph.D.

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/ 5 semesters for part-time Ph.D. programme, while total duration is expected to be 3 years for part time M.Tech./ 6 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

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 1st April 2024]

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 1st 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, 2024.

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 & 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 & 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 &Dieu) Scheduled Castes Order, 1968;

*The Constitution (Goa, Daman&Dieu) 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/ ^{1st} 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.

Annexure X

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
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 (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:

Name and Seal of Member	Name of Seal of Member	Name and Seal of the Chairperson

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/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

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:	Ph.D.
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 & ASSEST CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Government of

(Name & Address of the authority issuing the certificate)

[This certificate MUST have been issued on or after 1st April 2024

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 DPGC Convener of the Department/Centre

S. No.	Department/Centre	Email
1	ARCHITECTURE AND PLANNING	dpgc.arch@mnit.ac.in
2	CENTRE FOR ENERGY AND ENVIRONMENT	dpgc.cee@mnit.ac.in
3	CHEMICAL ENGINEERING	dpgc.chem@mnit.ac.in
4	CHEMISTRY	dpgc.chy@mnit.ac.in
5	CIVIL ENGINEERING	dpgc.ce@mnit.ac.in
6	COMPUTER SCIENCE AND ENGINEERING	dpgc.cse@mnit.ac.in
7	ELECTRICAL ENGINEERING	dpgc.ee@mnit.ac.in
8	ELECTRONICS AND COMMUNICATION ENGINEERING	dpgc.ece@mnit.ac.in
9	HUMANITIES AND SOCIAL SCIENCE	dpgc.hum@mnit.ac.in
10	MANAGEMENT STUDIES	dpgc.dms@mnit.ac.in
11	MATERIAL RESEARCH CENTER	dpgc.mrc@mnit.ac.in
12	MATHEMATICS	dpgc.maths@mnit.ac.in
13	MECHANICAL ENGINEERING	dpgc.mech@mnit.ac.in
14	METALLURGICAL AND MATERIALS ENGINEERING	dpgc.meta@mnit.ac.in
15	NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	dpgc.ncdmm@mnit.ac.in
16	PHYSICS	dpgc.phy@mnit.ac.in
17	ARTIFICIAL INTELLIGENCE & DATA ENGINEERING	hod.aide@mnit.ac.in
18	CENTRE FOR RURAL DEVELOPMENT	coordinator.crd@mnit.ac.in