INFORMATION BROCHURE

FOR ADMISSION TO

DOCTOR OF PHILOSOPHY- Ph.D.

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

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

(Odd Semester 2025-26)

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

www.mnit.ac.in

FOR FURTHER INFORMATION, PLEASE CONTACT:

Office of Dean Academic
Malaviya National Institute of Technology
J.L.N. Marg, Jaipur (Raj.) – 302017
E-mail: admissions@mnit.ac.in
webmaster@mnit.ac.in (for technical issues)
Telephone no. 0141- 2715038 **(Ph.D.)** (3.00 PM to 5.00 PM) (Monday to Friday)
0141- 2715046 **(PG)** (3.00 PM to 5.00 PM) (Monday to Friday)
Web Site: www.mnit.ac.in

APPLICATION HAS TO BE FILLED ONLINE

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

- Start Date of Online Application :- 24-04-2025
- Last Date of submission of Online Application form :- 15-05-2025 (till 5.00 PM)

Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by **23-05-2025**

- Dates of written test &Interview of the shortlisted candidates :- 03-04 June 2025
- Final Result :- 13-06-2025

NOTE :-

- *Candidates applying for the full-time Ph.D. program, who have cleared the National Level Test/Examination such as GATE/CSIR-NET/UGC-NET etc. will be exempted from Ph.D. entrance written test. However, such candidates will be required to appear for the interview if shortlisted. If deemed suitable, will be recommended for admission to Ph.D. program with Institute Assistantship. The admission to all the Ph.D. Programmes in all the Departments/Centres mentioned in this advertisement shall be made purely on the basis of "interview" of the shortlisted applicants to be conducted by the respective Departments/Centres. Mere shortlisting / eligibility based upon any Tests, of an applicant does not confirm admission to Ph.D. Programme.*
- *Candidates applying for the full-time Ph.D. program, who have not cleared the National Level Test/Examination such as GATE/CSIR-NET/UGC-NET etc. must appear for the Institute-level written examination. These candidates will be eligible for the interview only after successfully qualifying the institute-level written examination. If deemed suitable, will be recommended for admission to Ph.D. program with Financial Assistantship*

- *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 any future updates please visit institute website regularly.*
- *For more information please refer to Rules and Regulations given on institute website **www.mnit.ac.in**.*

ADMISSION CATEGORIES (Ph.D.)

FULL TIME

1. Full Time with Financial Assistantship* (Without NET/GATE)
2. Full Time with Institute Assistantship (With valid GATE/UGC- NET/CSIR-NET/National Level Exam) or (Master's degree with valid GATE score).
3. Full-Time with own scholarship (with UGC/CSIR NET-JRF/ National Level Exam
4. Full-Time (DST-INSPIRE)
5. Full-Time Sponsored

Off Campus

6. Off Campus (Off Campus (beyond 70 km from Jaipur)

PART TIME

7. Part Time (candidate working within 70 km of Jaipur)
8. MNIT Institute Project Staff
9. MNIT Institute Faculty
10. MNIT Institute Staff
11. Executive/Professional

***Remarks: -** **The number of financial assistantship will be subject to availability and approval by the competent authority.**

1. INTRODUCTION

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

The Institute offers undergraduate, postgraduate and research programmes through its Departments. The Institute admits on an average about 900 students for undergraduate (B.Tech./B.Arch.) programmes and about 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, Chemical, Computer, Electrical, Electronics & Communication, Mechanical, Metallurgical & Materials, Energy & Environment, Sciences (Physics, Chemistry, Mathematics), Management and Humanities & Social Sciences, National Centre for Disaster Mitigation & Management and Materials Research Centre.

2. THE OBJECTIVE

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

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

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

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

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

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

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

3. CREDIT SYSTEM

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

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

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

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

4. ADMISSIONS

Academic Session

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

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

4.1 ELIGIBILITY FOR ADMISSION

i. The eligibility conditions given below are the absolute minimum. Departments/Centres may prescribe any requirements over and above for short listing. All eligibility requirements **must be met by the date as prescribed :-**

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 aforesaid provisions 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 (refer Table 1).

a) Visvesvaraya Ph.D. Scheme for Electronics and IT : Phase II of MeitY, Govt. of India

(Only for the Department of Electronics and Communication Engineering ECE), Computer Science and Engineering (CSE) and Electrical Engineering (EE))

Departmental screening of candidates under "Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase-II of MeitY", Govt. of India (details of fellowship given in Section 9 (iv).

The eligibility criteria is mentioned at s.no. 4.5 and 10 along with the following:-

GATE score will be mandatory for admission to Ph.D. program under Visvesvaraya Ph.D. Scheme. 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.

b) IndiaAI Fellowships for PhD Students

The following are the eligibility criteria for admission in Ph.D. program (under IndiaAI Fellowship) in the Department of Artificial Intelligence and Data Engineering (AIDE).

GATE score will be mandatory for admission to Ph.D. program under IndiaAI Fellowship. 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.

(a) The candidate should not be receiving any other scholarship / salary from any other organization at the time of enrolment into IndiaAI PhD Fellowship.

(b) The candidate with a graduation degree should have secured a CGPA/CPI of minimum 8.0 or equivalent in the programme.

Or

The candidate with a master's degree should have secured a CGPA/CPI of minimum 7.5 or equivalent in the programme. For candidates with the five-year integrated dual degree programs, if separate CGPAs/CPIs are awarded for UG and PG parts of the program, the CGPA/CPI of the PG part (final year) will be considered.

Remarks: - **The final decision regarding successful candidates will be made by IndiaAI and the same will be communicated by the Institute to the candidates.**

For more information you may visit IndiaAI portal at:-
https://indiaai.gov.in/article/indiaai-mission-announces-fellowships-for-phd-scholars

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. Overall 50% (with 30% weightage of Part-A and 70% weightage of Part-B) is required in order to qualify for the interview round.

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

The admissions to M.Tech./M.Plan. (Full Time with Assistantship) will be done through Centralized Counseling for M. Tech./M.Arch./M.Plan. (CCMT) for the year 2025-26. For more details and information brochure, please visit the website www.ccmt.nic.in

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

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

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

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

4. 5 DOCTOR OF PHILOSOPHY

4.5.1 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 a Bachelor's degree in Engineering, Architecture or Planning, securing 75 % marks or above (or an equivalent CGPA), and either a valid GATE score or qualification in the institute-level entrance examination, may be recommended by the DSC to the SPGB for

admission to the Ph.D. program after an interview for Institute Assistantship or Financial Assistantship.

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 referred conference /journals, as notified by the DPGC, may 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.

4.5.2 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).

4.5.3 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)

4.5.4 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

Category	S.No.	Admission Category	Written Exam	Interview	Work Experience	NOC/ Consent Letter
Full-Time	1.	Full Time with Financial Assistantship (Without NET/GATE)	Institute Exam	✓	✗	✗
	2.	Full Time with Institute Assistantship (With valid GATE/UGC-NET/CSIR-NET/National Level Exam) or (Master's degree with valid GATE score)	✗	✓	✗	✗
	3.	Full-Time with own scholarship (with UGC/CSIR NET-JRF/ National Level Exam)	✗	✓	✗	✗
	4.	Full-Time (DST-INSPIRE)	Institute Exam	✓	✗	✗
	5.	Full-Time Sponsored	Institute Exam	✓	✓	✓
Off-Campus	6.	Off-Campus Sponsored (PT) (beyond 70 km from Jaipur)	Institute Exam	✓	✓	✓
Part Time	7.	Part-Time External (Sponsored)	Institute Exam	✓	✓	✓
	8.	MNIT Jaipur Project Staff (PT)	Institute Exam	✓	✗	✓
	9.	MNIT Jaipur Faculty(PT)	Institute Exam	✓	✓	✓
	10.	MNIT Jaipur Staff(PT)	Institute Exam	✓	✓	✓
	11.	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 Departmental Selection Committee (DSC) will send the DFB's recommendation to the Office of Dean Academic (ODA).
(2) The following committee will conduct the interview of the candidate
   a. Dean (Academic) — Chairperson
   b. Dean (Research and Consultancy) — Member
   c. Head of the Department — Member
(3) The recommendation of the above committee will be approved by the Chairman, Senate for the selection of the candidate.

6. ADMISSION OF SPONSORED CANDIDATES

i. A candidate who is sponsored for either Full time (FT) or Part time (PT) studies at MNIT by his/her employer and who meets the additional conditions specified below may be admitted through the Dept. Selection Committee appointed.

ii. **A sponsored candidate full time or part time must have total experience of more than two years, and must have been in service of the sponsoring organization for at least one year at the time of admission by the last date of application form.** The sponsoring organization must specifically undertake to relieve him/her to pursue the programme for its full duration. The sponsored candidates are required to submit No Objection Certificate (NOC) from their employer/organization stating that:

   a. His/Her official duties permit him/her to devote sufficient time for M.Tech./M.Plan./Research. Candidate should give undertaking that he would fulfill the attendance requirements of all the courses undertaken by him for fulfillment of the course pursued.

   b. She/he will have to reside in the institute for a period of not less than one year during his/her registration for the degree. However, this condition can be relaxed for a candidate working in or around Jaipur (within a radius of 70 KM).

      1. M.Tech./M.Plan. Residency requirement of 1 year for doing complete course work

      2. Ph.D. Residency requirement until completing candidacy requirement

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

i. A candidate residing outside 70 km radius of Jaipur and working in an R&D establishment or in other institution / organization, which is equipped with the necessary infrastructure for carrying out research and library facilities, may be considered by Senate, for admission only to the Ph.D. programmes in Engineering/Sciences. Such a candidate must be sponsored by his/her employer and must have been in employment with the sponsoring organization for at least 2 years at the

last date of application. The Institutions eligible for Off Campus must be recommended by DPGC and approved by SPGB.

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

ii. A candidate applying for admission to the off campus registration programme must provide detailed information about the research facilities available at his/her organization and a certificate that these would be available to him/her for carrying out research. She/he should also provide the bio-data of the prospective supervisor/coordinator who would supervise/coordinate the candidate's work at his/her organization if required.

iii. On the recommendation of the DPGC, and SPGB, the Chairperson Senate may approve the admission.

iv. **However SPGB on the recommendation of DPGC may waive off minimum residence requirement to stay on campus in lieu of his earlier research work.**

8. 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 fill 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/ 4thsemester 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(minimum18Credit maximum21 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 short fall 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 form 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 Ph.D. 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.

9. FINANCIAL ASSISTANCE

i. The Institute may provide financial assistance referred as Institute Assistantship/Financial Assistantship for a period 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.

Currently, a monthly Assistantship of Rs. 37,000 is provided for the first two years, and Rs. 42,000 for the subsequent three years. Ph.D. students are not entitled for HRA if hostel accommodation is available at the Institute, as certified by the Hostel In-Charge. However, if hostel accommodation is not available, HRA may be granted as per Institute rule. The current rate of HRA is 16% of the 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/UGC- NET/CSIR-NET/National Level Exam 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, Valid UGC/CSIR NET shall be mandatory.**

iv. **For admission to Ph.D. program with Institute Assistantship in the Humanities & Social Sciences, Valid GATE/ UGC-NET/CSIR-NET/ National Level Exam 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 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 (MeitY, Govt. of India)**

In addition to institute assistantship, a total of **04 fellowships** for **Full-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. A candidate has to EXPLICITLY indicate, whether he/she wishes to be considered for this scheme, in addition to normal process of admissions. [Listing of areas for this session

admission is attached for three departments- Electronics and Communication Engineering (ECE), Computer Science and Engineering (CSE), Electrical Engineering (EE)]. 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 and 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) An amount of Rs.1,20,000/- per year towards Research Contingency Grant (after completion of tenure of one year) subject to the fulfillment of the conditions as per guidelines of MeitY.

d) One time support for attending International Conference: Support upto Rs.1.5 Lakhs/Full-time Ph.D. candidate subject to the fulfillment of the conditions as per guidelines of MeitY.

viii. **IndiaAI Fellowships for Ph.D. Students**

In addition to institute assistantship, a total of 02 fellowships for Full-Time Ph.D. candidates are available under IndiaAI Ph.D. Scheme. IndiaAI makes the final decision on the successful candidate and inform respective institutes

The fellowship support is provided from the date of commencement of the Ph.D. programme for a duration of 4 years or completion of Ph.D., whichever is earlier.

a. Monthly Fellowship: Rs. 38,750 per month till 4th year or completion of Ph.D. whichever is earlier.

b. Accommodation Support: This component is linked with the fellowship of Ph.D. Candidate. The accommodation support will be 30% of the fellowship amount.

c. Research Contingency Grant Support: An amount of Rs. 1,20,000/Year/Full time Ph.D. candidate for support duration of PhD candidate. This will be applicable from the second year onwards of the commencement of the PhD program subject to the fulfillment of the conditions as per the guidelines of IndiaAI fellowship.

d. International Conference Support: One time support for selected Full-Time Ph.D. candidate up to Rs. 1.5 Lakhs for presenting a paper in an international conference. This would cover the travel and other expenses of a Ph.D. candidate for attending international conferences, where his/her research paper has been accepted for the presentation by him/her. This will be applicable from the second year onwards of the commencement of the Ph.D. program subject to the fulfillment of the conditions as per the guidelines of IndiaAI fellowship.

Remarks :- All the Eligible criteria/ Financial Support/ Terms and conditions as per the guidelines of IndiaAI fellowship.

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

Table 1 : Minimum qualification(s)

Department	Minimum Educational Qualification
Architecture & Planning	Masters degree in Architecture/ Planning/ Technology in relevant discipline.
Chemical Engineering	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 inter disciplinary areas. 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. 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.
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	B.E./B.Tech. in CSE/IT/ECE/EE or equivalent disciplinesM.E./M.Tech./M.S.inCSE/IT/ECE/EEorequivalentdisciplines
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	B.Tech./M.Tech. degree or equivalent degree in Mechanical/ Industrial/ Production Engg. B.Tech./M.Tech.degree/disciplines consistent with the research areas of the department.
Metallurgical & Materials Engineering	B.Tech. and M.Tech. Degree in any branch of engineering or interdisciplinary areas. M.Sc./dual M.Sc. Degree in Chemistry/Physics/Mathematics Sciences with M.Tech. in any branch of engineering or interdisciplinary areas.
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/M.Sc. 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	1. M.Tech./M.E. or equivalent, OR 2. Bachelor's degree in Science/Mathematics/Statistics/Operations Research/Actuarial Science, followed by a Master's degree in any specialization, OR 3. MIM/Masters in Management/MBA/M.Arch. OR equivalent with Mathematics/Statistics at the graduation level.
Centre for Rural Development	B.Tech. in any discipline and M.Tech./MS in relevant branch

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.

11. AVAILABLE RESEARCH AREAS IN VARIOUS DEPARTMENTS

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

Table 2. FULL TIME WITH INSTITUTE/FINANCIAL ASSISTANTSHIP		
Department/Centres	**Faculty member Name**	**Tentative Research Area of proposed Ph.D.**
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Sustainable built environment and housing
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Sustainable urban planning
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Urban Development Regulations for Smart Cities
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Thermal and Visual Comfort for Indoor and Outdoor Spaces
ARCHITECTURE AND PLANNING	DR. KALPANA PANDIT	Sacred Landscape /Architecture and tourism
ARCHITECTURE AND PLANNING	DR. KALPANA PANDIT	Historical Architecture and conservation
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Urban Resilience and disaster mitigation
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Sustainable Urban Development
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. SATISH PIPRALIA	Development Regulations for urban sustainability
ARCHITECTURE AND PLANNING	DR. SATISH PIPRALIA	Systems approach to urban density
ARCHITECTURE AND PLANNING	DR. TARUSH CHANDRA	Sustainable Ecology and Environment
ARCHITECTURE AND PLANNING	DR. TARUSH CHANDRA	Energy Efficiency in Built Environment
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	AI/ML in healthcare
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	Brain computer interface
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. ASHISH KUMAR TRIPATHI	AI for Big Data Analysis
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Machine Learning/Deel Learning based Image processing
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence for Sustainability
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence in Agriculture
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. GUNJAN SONI	Federated Learning Applications in Supply Chain Management

ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. GUNJAN SONI	Development of Multi-Agent Systems for Network Optimization in a Supply Chain
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Generative AI and Large Language Models in Education
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. NAMITA MITTAL	Generative AI for Medical Diagnosis and Personalized Treatment
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SANDIPAN KARMAKAR	Advanced Healthcare research through Probabilistic ML
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SANDIPAN KARMAKAR	Reinforcement learning for applications to finance, energy, market, healthcare
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATISH SHARMA	Data analytics for Smart Grid using AI/ML
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATISH SHARMA	Cyber security of Smart Grid
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Multi-objective Clustering and Applications
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Satellite Image Analysis
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Artificial Intelligence for Healthcare
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Artificial Intelligence for Cyber Security
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	AI for cybersecurity
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Large Language Model for OSINT
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Agriculture
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Healthcare
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	heat island effect of building integrated solar photovoltaics
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	power generation potential of building integrated solar photovoltaics
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Electric Vehicles
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Thermal Applications in Renewable Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	Validation studies for selected criteria of green building rating systems
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	Energy efficiency enhancement in air conditioning systems
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	Green Hydrogen from grid perspective
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	Multi energy systems integration to power sector
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Wastewater Treatment

CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Wastewater treatment by Electro-Chemical Methods and Feasibility of Hydrogen Production
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Biomass to Bioenergy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Solid waste management and treatment
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Ergonomics intervention of vibrating hand tools in handicraft industries
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Ergonomics intervention of hand tools using in rural based industries
CENTRE FOR RURAL DEVELOPMENT	DR. ROHIDAS GANGARAM BHOI	Renewable Energy from Waste Biomass
CENTRE FOR RURAL DEVELOPMENT	DR. ROHIDAS GANGARAM BHOI	Sustainable Eco-friendly Fertilizer Production from Local Resources
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic synthesis of green and sustainable fuels and chemicals
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic environmental pollutants mitigation
CHEMICAL ENGINEERING	DR. DIPALOY DATTA	Use of Deep Eutectic Solvents as Potential Electrolyte in Ion Batteries
CHEMICAL ENGINEERING	DR. DIPALOY DATTA	Organo-Catalysis in Nobel Chemical Transformations
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. KAILASH SINGH	Application of Artificial Intelligence in Process Systems
CHEMICAL ENGINEERING	DR. LOVJEET SINGH	Recycling of Spent Lithium-ion batteries for catalytic applications
CHEMICAL ENGINEERING	DR. LOVJEET SINGH	Machine learning potentials for heterogeneous catalysis
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. MANISH VASHISHTHA	Biomass based adsorbent development and its use in waste water treatment
CHEMICAL ENGINEERING	DR. MANISH VASHISHTHA	Biochar coated controlled release fertilizer
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Electrochemical Membrane Processes for Co-Production of H_2 & CH_4 from Waste Streams.
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Sustainable Treatment of Dye-containing Wastewater through Anaerobic Co-Digestion using Electrochemical

		Membrane Bioreactor.
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Hydrogen production using solid oxide electrolysis cell.
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Design of effective materials for energy storage devices
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D printed Microfluidic Devices for Biomedical Applications
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D Printed Micro-Electrochemical Energy Storage Devices
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Wastewater to Energy
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Artificial Intelligence (AI) and Machine Learning (ML) in Wastewater Treatment
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Synthesis of advanced materials from e-waste
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Extraction of critical metals from spent lithium ion batteries using green solvent
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Monitoring and real-time analysis of pyrolysis process
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Synthesis and applications of catalyst for waste valorization processes
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Wastewater Treatment by Electrochemical Methods
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Novel Materials for Environmental Application
CHEMICAL ENGINEERING	DR. SUBBARAMAIAH V	Synthesis of Jet Fuels from Biomass: DFT and Machine Learning Approach
CHEMICAL ENGINEERING	DR. SUBBARAMAIAH V	Development of Nanocomposites for Environmental and Biomedical Applications
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Tandem perovskite solar cells
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Nanomaterials for electronic devices (Solar cells/ Sensors/ Optoelectronics)
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Microchannel Distillation Studies for the Industrial Solvent Recovery
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Carbon dioxide capture and conversion Studies
CHEMICAL ENGINEERING	DR. VIJAYALAKSHMI GOSU	Development of Functional Catalysts for the Degradation of Non Biodegradable Wastewater
CHEMICAL ENGINEERING	DR. VIJAYALAKSHMI GOSU	Rapid Identification and Classification of Microplastics in Water and Wastewater Using Machine Learning and Deep Learning Techniques
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Wastewater/water treatment
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Process Intensification/ modeling & simulation

CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Metal-Complexes for Light Driven Reactions
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Functional Molecular Design through DFT Calculations
CHEMISTRY	DR. ABHINEET VERMA	Nano-Magnets
CHEMISTRY	DR. ABHINEET VERMA	quantum bit (Qubit)
CHEMISTRY	DR. BARUN JANA	Development of Molecular catalysts for CO2 Reduction
CHEMISTRY	DR. BARUN JANA	Development of Organometallic Catalysts for Organic Transformation Reactions
CHEMISTRY	DR. BHAGWATI SHARMA	Development of Metal oxide based nanomaterials as artificial enzyme
CHEMISTRY	DR. BHAGWATI SHARMA	Supramolecular metallogels for soft electronic device applications
CHEMISTRY	DR. BIMAN BANDYOPADHYAY	Astrochemical reactions on interstellar ice grains
CHEMISTRY	DR. BIMAN BANDYOPADHYAY	Sulfur ice astrochemistry
CHEMISTRY	DR. MANVIRI RANI	Transition metal based green nanomaterials as photocatalysts
CHEMISTRY	DR. MANVIRI RANI	Plastic associated chemicals and chromatography analysis
CHEMISTRY	DR. MEENA NEMIWAL	Development of advanced materials for water treatment
CHEMISTRY	DR. MEENA NEMIWAL	Advanced catalysis and synthesis of medicinally important compounds
CHEMISTRY	DR. PRADEEP KUMAR	Computational Biophysics
CHEMISTRY	DR. PRADEEP KUMAR	chemistry at ai-water interfaces
CHEMISTRY	DR. RAHUL	Functionalisation of Biopolymers
CHEMISTRY	DR. RAHUL	Chemical Sensors
CHEMISTRY	DR. RAJ KUMAR JOSHI	Design, Synthesis and catalytic investigation of novel Fe-pincer complexes
CHEMISTRY	DR. RAJ KUMAR JOSHI	Iron-pincer complexes : Design Synthesis and selective catalytic investigations
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Nanomaterials for Energy Conversion and Storage
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Novel Nanomaterials for Green Hydrogen
CHEMISTRY	DR. SUMIT KUMAR SONKAR	Carbon Based Nanomaterials as Visible-Light Photocatalysts for CO2 Conversion Applications
CHEMISTRY	DR. SUMIT KUMAR SONKAR	Iron Based Materials for Nitrate Reduction Applications

CIVIL ENGINEERING	DR. ABHISEKH SAHA	Sand dune stabilization
CIVIL ENGINEERING	DR. ABHISEKH SAHA	Bio-based materials in geotechnical application
CIVIL ENGINEERING	DR. AMIT KUMAR	Municipal solid waste
CIVIL ENGINEERING	DR. AMIT KUMAR	Sustainable waste processing
CIVIL ENGINEERING	DR. ARUN GAUR	Utilization of waste materials for road construction.
CIVIL ENGINEERING	DR. ARUN GAUR	Innovative Transportation Solutions
CIVIL ENGINEERING	DR. HIMANSHU ARORA	Planning of Water Resources through Modelling and Machine Learning
CIVIL ENGINEERING	DR. HIMANSHU ARORA	Groundwater Flow and Contaminant Transport Modelling & Simulation
CIVIL ENGINEERING	DR. LEELAMBAR SINGH	Environmental System Modeling
CIVIL ENGINEERING	DR. LEELAMBAR SINGH	Climate Change and Environmental Sustainability
CIVIL ENGINEERING	DR. MAHESH KUMAR JAT	Remote sensing, GIS and their application in water and environment
CIVIL ENGINEERING	DR. MAHESH KUMAR JAT	Modelling Hydrological Processes and Integrated Water Management
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Climate Change Impact Assessment on Surface Water Vulnerability
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Hydrological Modelling for Prediction of Surface Water Availability
CIVIL ENGINEERING	DR. PAWAN KALLA	Sustainable utilization of Stone industry waste
CIVIL ENGINEERING	DR. PAWAN KALLA	Solution for traffic congestion in urban areas
CIVIL ENGINEERING	DR. RAMESHWAR JAGANNATH VISHWAKARMA	Evaluation of the Structural Response of Slab-on-Grade
CIVIL ENGINEERING	DR. RAMESHWAR JAGANNATH VISHWAKARMA	Impact of Construction Defects on Structural Members: A Numerical Investigation
CIVIL ENGINEERING	DR. RUCHI SHARMA	Electric Vehicles (EVs) and their Environmental Impact
CIVIL ENGINEERING	DR. RUCHI SHARMA	Artificial Intelligence (AI) and Environmental Sustainability Analysis
CIVIL ENGINEERING	DR. SANJAY MATHUR	Indoor environment quality parameters for occupant satisfaction and energy efficiency
CIVIL ENGINEERING	DR. SANJAY MATHUR	â€¢ Sustainability Performance of Green Building Rating Systems
CIVIL ENGINEERING	DR. SANYAM DANGAYACH	Field and lab investigation for strength anisotropy in in-situ rock and rockfill
CIVIL ENGINEERING	DR. SANYAM DANGAYACH	Studies on soil filtering mechanism in earthen dams

CIVIL ENGINEERING	DR. SIDDHARTH MEHNDIRATTA	Expansive Soil Behavior and its Impact on Structures
CIVIL ENGINEERING	DR. SIDDHARTH MEHNDIRATTA	Development of numerical models for offshore engineering.
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. SUSHREE SUNAYANA	Crack identification in concrete using digital imaging techniques
CIVIL ENGINEERING	DR. SUSHREE SUNAYANA	Waste valorization in concrete to improve its carbon sequestration efficiency
CIVIL ENGINEERING	DR. URMILA BRIGHU	Advanced oxidation process for pollution management
CIVIL ENGINEERING	DR. URMILA BRIGHU	Constructed wetland design
CIVIL ENGINEERING	DR. UTTAM SINGH	Surface Water Groundwater Interaction Modeling
CIVIL ENGINEERING	DR. UTTAM SINGH	Numerical and data-driven modeling for groundwater flow and contamination transport
COMPUTER SCIENCE AND ENGINEERING	DR. ARKA PROKASH MAZUMDAR	Intelligence in Next Generation Networks
COMPUTER SCIENCE AND ENGINEERING	DR. ARKA PROKASH MAZUMDAR	Network Digital Twins
COMPUTER SCIENCE AND ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Smart Agriculture Using Artificial Intelligence
COMPUTER SCIENCE AND ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Deep Learning based Image Processing for solving real world applications
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence in Agriculture
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence for Sustainability
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH KUMAR TYAGI	Digital Twin Technology and Applications
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH KUMAR TYAGI	Collaborative Learning driven Applications in real world problems
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	enhancing defect prediction using AI and machine learning
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Improving mutation testing using deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Artificial Intelligence and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	TinyML Driven Solutions
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Machine Learning and Deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Artificial Intelligence and soft computing

COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Generative AI and Large Language Models in Education
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Explanable AI
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Artificial Intelligence for Cyber Security
COMPUTER SCIENCE AND ENGINEERING	DR. MUSHTAQ AHMED	Ai and ML for wireless Networks security
COMPUTER SCIENCE AND ENGINEERING	DR. MUSHTAQ AHMED	AI ml for healthcare
COMPUTER SCIENCE AND ENGINEERING	DR. NAMITA MITTAL	Generative AI and Remote Sensing for Early Crop Stress Detection and Smart Intervention
COMPUTER SCIENCE AND ENGINEERING	DR. NAMITA MITTAL	AI-Enabled Multilingual Decision Support Systems for Precision Agriculture
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Generative AI
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Text to Image Generation
COMPUTER SCIENCE AND ENGINEERING	DR. PILLI EMMANUEL SHUBHAKAR	Tor Network Performance Optimization using AI / ML
COMPUTER SCIENCE AND ENGINEERING	DR. PILLI EMMANUEL SHUBHAKAR	Quantum Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Investigating and analysing the quantum data on classical machine leaning algorithms
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Modelling optimisation problems using advanced algorithmic paradigms
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	Security for AI and AI for Security
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	AI for Digital Twin
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Multimodal AI Learning
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Agentic AI Systems
COMPUTER SCIENCE AND ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Ethical AI for Cyber Security
COMPUTER SCIENCE AND ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Continual Machine learning
COMPUTER SCIENCE AND ENGINEERING	DR. SMITA NAVAL	Explainable Artificial Intelligence (XAI) for Malware Analysis
COMPUTER SCIENCE AND ENGINEERING	DR. SMITA NAVAL	Large Language Models for cyber Security
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	AI for Android App analysis
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Privacy preservation in Android Devices in AI era

COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	AI-Enabled Cybersecurity Modelling for Critical Infrastructure
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Generative Adversarial Networks (GANs) for Malware Simulation
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Healthcare
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Agriculture
ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	Analysis & planning of Microgrid
ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	Application of AI to Microgrid
ELECTRICAL ENGINEERING	DR. ANIL SWARNKAR	Optimal Planning and Operation of Microgrid/Smartgrid
ELECTRICAL ENGINEERING	DR. ANIL SWARNKAR	Application of AI and Machine Learning in Contemporary Distribution System
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Connected Electrical Vehicles (CEV) for grid stability
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Renewable Energy Integration to Grids
ELECTRICAL ENGINEERING	DR. HEMANT KUMAR MEENA	APPLICATION OF MACHINE LEARNING AND SIGNAL PROCESSING IN POWER SYSTEMS/BIOMEDICAL
ELECTRICAL ENGINEERING	DR. HEMANT KUMAR MEENA	POWER FORECASTING WITH ARTIFICAL INTELLIGENCE
ELECTRICAL ENGINEERING	DR. KHALEEQUR REHMAN NIAZI	Planning and operation of multi-carrier energy Hubs
ELECTRICAL ENGINEERING	DR. KHALEEQUR REHMAN NIAZI	Integration of smart grid enabling technologies to power systems
ELECTRICAL ENGINEERING	DR. KUSUM VERMA	Predictive Data Analytics in Power Systems
ELECTRICAL ENGINEERING	DR. KUSUM VERMA	AI/ML-Based Energy Scheduling and Optimization
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC-DC Converters
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC Microgrid
ELECTRICAL ENGINEERING	DR. MANOJ FOZDAR	recent trends in modern power system operation and control
ELECTRICAL ENGINEERING	DR. MANOJ FOZDAR	power system economics in todays power system
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. NEELI SATYANARAYANA	Control applications to power systems and power electronic systems
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Investigation of nonlimnear systems

ELECTRICAL ENGINEERING	DR. NIKHIL GUPTA	Smart Gird
ELECTRICAL ENGINEERING	DR. NIKHIL GUPTA	Electric Vehicles
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Power Electronics and Power Quality
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Microgrid
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	Energy Economics and markets
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	Multi energy systems and sector coupling
ELECTRICAL ENGINEERING	DR. RAJIVE TIWARI	Electric vehicle
ELECTRICAL ENGINEERING	DR. RAJIVE TIWARI	Renewable energy
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Power System Operation using AI
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Cyber Security
ELECTRICAL ENGINEERING	DR. SANDEEP N	Multilevel Inverters/Converters
ELECTRICAL ENGINEERING	DR. SANDEEP N	Electric vehicles
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	EV charging station management and pricing
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Power system analysis and optimization
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI in Medical Robotics, and HealthCare
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Robust Control, Non Linear and Conventional Control
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	AI/ML/Control Applications in Electrical Engineering
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	Electric Vehicles
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	AI/ML In health care
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	Security of Cyber physical System
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ANKIT	Molecular Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ANKIT	Wireless Communication
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. D. BOOLCHANDANI	Analog Integrated circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	MEMS based sensor
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Fabrication of microelectronic devices and sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Flexible Electronics
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KAMALESH KUMAR SHARMA	Biomedical signal processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KAMALESH KUMAR SHARMA	Antenna design for 5G/6G applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in healthcare
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Generative AI applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Neuromorphic computing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Approximate computing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	RF & Microwaves
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Electromagnetic Scattering
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAVI KUMAR MADDILA	5G/6G application
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAVI KUMAR MADDILA	Indoor optical communications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna for 5G/6G applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Dielectric Resonator Antennas for THz applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Flexible Electronics for energy harvesting
ELECTRONICS AND COMMUNICATION	DR. RITU SHARMA	Flexible antenna for space application

ENGINEERING		
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	ANTENNA FOR 5G/6G APPLICATIONS
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	FREQUENCY SELECTIVE SURFACES FOR 5G/6G APPLICATIONS
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Artificial Intelligence Algorithms for 5G Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Distributed Computing Algorithms for Wireless Sensor Networks
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	Signal Processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	Micro-Electro-Mechanical Systems (MEMS)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. LAVA BHARGAVA	Design and fabrication of GaN based sensor for Heavy metal detection in water for smart water quality monitoring
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. LAVA BHARGAVA	AI Applications in IoT systems
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Design of Frequency Selective surfaces/Absorbers, Rasorbers for RF/ wireless communication
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. VINEET SAHULA	AI for Edge computing /IoT
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VINEET SAHULA	AI approaches for low-resource natural language translation
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology: Gender inequality, sustainable development, public policy
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology: Digital Inequalities and marginalisation, social and cultural change, rural and urban development
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI SHARMA	Behavioral Development Economics
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI SHARMA	Economics of Well-being and Happiness
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Gender Studies
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Indian Writings in English
MANAGEMENT STUDIES	DR. AAKANKSHA KATARIA	Human Resource Development

MANAGEMENT STUDIES	DR. AAKANKSHA KATARIA	Digital Transformation and Agile HRM
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Supply chain
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	business analytics
MANAGEMENT STUDIES	DR. DIVESH KUMAR	Consumer behavior and sustainability
MANAGEMENT STUDIES	DR. DIVESH KUMAR	Sustainable supply chain
MANAGEMENT STUDIES	DR. MONICA SHARMA	Sustainable Supply Chain in Retailing
MANAGEMENT STUDIES	DR. MONICA SHARMA	Circular Economy in Agribusiness
MANAGEMENT STUDIES	DR. REETA SINGH	Technology and Talent Analytics
MANAGEMENT STUDIES	DR. REETA SINGH	AI and Automation in HR
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	CSR, Sustainability and Circular Economy
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	Strategic Management
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	Business Analytics
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	Generative AI driven decision making
MANAGEMENT STUDIES	DR. SHRIDEV	Corporate Finance
MANAGEMENT STUDIES	DR. SHRIDEV	Capital Market
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Fintech and Sustainable Financial Practices
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Behavioural Consumer Economics
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Sustainability Claims and Consumer Perception in Green Marketing Practices
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Impact of Seasonal Fashion Marketing Campaigns on Consumer Behaviour and Trends
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Development of hybrid nanomaterials for biological applications
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Supramolecular metal-organic gels for electronic applications
MATERIAL RESEARCH CENTER	DR. KANUPRIYA SACHDEV	Development of advanced energy storage materials
MATERIAL RESEARCH CENTER	DR. KANUPRIYA SACHDEV	Flexible energy storage devices
MATHEMATICS	DR. GEETANJALI CHATTOPADHYAY	Mathematical modeling of gravity-driven flows

MATHEMATICS	DR. GEETANJALI CHATTOPADHYAY	Reduced order modeling of viscous flows
MATHEMATICS	DR. KUSHAL SHARMA	Partial Differential Equations and the Mechanics of Fluid Flow
MATHEMATICS	DR. OM P. SUTHAR	Computational study of nonlinear differential equations
MATHEMATICS	DR. OM P. SUTHAR	Mathematical modeling and numerical simulation of fluid flows.
MATHEMATICS	DR. RITU AGARWAL	Optimal control of dynamical systems
MATHEMATICS	DR. RITU AGARWAL	Mathematical Legacy of Brahmgupt
MATHEMATICS	DR. SANJAY BHATTER	Study of Generalized Hypergeometric Functions
MATHEMATICS	DR. SANJAY BHATTER	Study of Fractional calculus and Special functions
MATHEMATICS	DR. SANTOSH CHAUDHARY	Modeling using Differential Equations
MATHEMATICS	DR. SANTOSH CHAUDHARY	Computational Numerical Analysis of Partial Differential Equations
MECHANICAL ENGINEERING	DR. AMAR PATNAIK	Development of polymer composites for structural application
MECHANICAL ENGINEERING	DR. AMAR PATNAIK	Design and wear analysis of polymer composites
MECHANICAL ENGINEERING	DR. AMIT ARORA	Hybrid Earth-Air heat exchangers
MECHANICAL ENGINEERING	DR. AMIT ARORA	Thermal management of battery heat
MECHANICAL ENGINEERING	DR. ANUP MALIK	Development of Drone Components using Thermoplastic Composite Materials
MECHANICAL ENGINEERING	DR. ANUP MALIK	Development and Testing of Heat Dissipation Devices
MECHANICAL ENGINEERING	DR. DILIP SHARMA	Alternate gaseous fuel for IC engines
MECHANICAL ENGINEERING	DR. DILIP SHARMA	Effect of additives in BS6 SI engines
MECHANICAL ENGINEERING	DR. DINESH KUMAR	Fracture and Failure Analysis of High Entropy Alloys (HEAs)
MECHANICAL ENGINEERING	DR. DINESH KUMAR	Phase Field Fracture Modeling of Bio-Inspired Composites
MECHANICAL ENGINEERING	DR. DINESH KUMAR RATHORE	Design and development of advanced carbon fiber reinforced composites for defence applications
MECHANICAL ENGINEERING	DR. DINESH KUMAR RATHORE	Development of continuous fiber reinforced polymeric filaments for additive manufacturing
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Life Cycle Analysis (LCA), Environmental and energy impacts of used electrical battery
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Circular economy conceptualization for lithium-ion batteries-material

		procurement and disposal process
MECHANICAL ENGINEERING	DR. GAURAV HEDAU	Heat transfer enhancement in micro and mini-channel heat exchangers
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Solid Mechanics
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Damage Tolerant Design
MECHANICAL ENGINEERING	DR. GUNJAN SONI	Industry 5.0 Perspectives in Supply Chain Management
MECHANICAL ENGINEERING	DR. GUNJAN SONI	Generative AI Interventions for Circular Economy
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. JYOTIRMAY MATHUR	Validation studies for selected criteria of green building rating systems
MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	Energy efficiency enhancement in air conditioning systems
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomic Evaluation and design of workplace in SMEs
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomic design intervention of vibrating hand tools in handicraft industries
MECHANICAL ENGINEERING	DR. MANJINDER SINGH	Fluid Mechanics
MECHANICAL ENGINEERING	DR. MUKESH KUMAR	Mechanical and tribological analysis of PMC with AI tools
MECHANICAL ENGINEERING	DR. MUKESH KUMAR	Mechanical and tribological analysis of MMC with AI tools
MECHANICAL ENGINEERING	DR. NARESH KUMAR RAGHUWANSHI	Vibration based intelligent fault diagnosis
MECHANICAL ENGINEERING	DR. NARESH KUMAR RAGHUWANSHI	Active Noise and Vibration Control
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Fabrication and parametric optimization of Al-MMC
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Parametric optimization on metal additive manufacturing of cylindrical walls
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	Disruptive Technologies for Supply Chain Decarbonization
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	AI in Circular Supply Chains
MECHANICAL ENGINEERING	DR. TAPAS BAJPAI	Analysing effect of temperature variation on weld metal integrity in underwater wet welding
MECHANICAL ENGINEERING	DR. TAPAS BAJPAI	Development of wear resistant composition (hard facing composition) for earth moving equipment

MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Joining of dissimilar additively manufactured naval components using diffusion bonding
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Fabrication of single and multi-wall structures by wire-arc additive manufacturing using activated flux
METALLURGICAL AND MATERIALS ENGINEERING	DR. ABHISHEK TRIPATHI	Understanding Severe plastic deformation of materials for high performance applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. AJAYA KUMAR PRADHAN	Development of high performance Al alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. AJAYA KUMAR PRADHAN	Effect of mechanical behavior and heat treatment on corrosion behavior
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Oxides for high temperature and bio-implant applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Extraciton of useful materials form battery waste
METALLURGICAL AND MATERIALS ENGINEERING	DR. DEEPANKAR PANDA	Effect of Rare Earth Elements on the evolution of Microstructure, Texture, and Mechanical Properties of Al and Mg Alloys: A Comprehensive Study
METALLURGICAL AND MATERIALS ENGINEERING	DR. DEEPANKAR PANDA	Scrap tolerant design strategy for high strength corrosion resistant Al 7xxx series alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. JYOTIRMAYA KAR	Additive manufacturing of IN-718
METALLURGICAL AND MATERIALS ENGINEERING	DR. JYOTIRMAYA KAR	Electron beam welding of dissimilar metals
METALLURGICAL AND MATERIALS ENGINEERING	DR. KRISHNA KUMAR	High Entropy Alloy coatings for Biomedical Applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. KRISHNA KUMAR	Mechanical Property evaluation of High Entropy Alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Polymer nanocomposites
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Anticorrosive polymer composite coatings
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	Studies on mechanical behaviour of steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJENDRA KUMAR GOYAL	Additive Manufacturing of Polymeric Materials and Characterization
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJENDRA KUMAR GOYAL	Synthesis and Characterization of Nanomaterials
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Microstructure, mechanical and corrosion behaviour of a selective laser melting (additively manufacturing) steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Fatigue/creep behaviour of superalloy for aerospace application
METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Development of refractory high entropy alloy

METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Study on disimilar weld metals
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE MADAM	Aluminium based nanocomposites for automotive parts
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE MADAM	Aluminium based co-continuous composite structures for high toughness partss
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Improving strength-toughness of ultra-high strength martensitic steels for aerospace applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Development of High Temperature Oxidation Resistant Coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. VIJAY NAVARATNA NADAKUDURU	Synthesis and characterization of Aluminium-Graphene metal matrix composite via powder metallurgy route
METALLURGICAL AND MATERIALS ENGINEERING	DR. VIJAY NAVARATNA NADAKUDURU	Microstructure and mechanical property evaluation of of 316L stainless steel synthesized using additive manufacturing
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	DR. JAGAJYOTI PANDA	Seismic design of structures as per newly drafted IS 1893:Part-I (2025)
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	DR. JAGAJYOTI PANDA	Seismic performance assessment of frame structures with consideration of nonlinear soil-structure interaction
PHYSICS	DR. DEBASISH SARKAR	Exploration of novel electrode materials for supercapacitor applications
PHYSICS	DR. DEBASISH SARKAR	Development of efficient electrochemical energy storage systems
PHYSICS	DR. K VENKATARATNAM KAMMA	Constraining the nature of Dark matter through galaxy dynamics
PHYSICS	DR. K VENKATARATNAM KAMMA	Modified gravity and cosmic accleration
PHYSICS	DR. KAMLENDRA AWASTHI	Development of Flexible Supercapacitors for Energy Storage Applications
PHYSICS	DR. KAMLENDRA AWASTHI	Advanced Nanomaterials for Flexible Gas Sensing Devices
PHYSICS	DR. KANUPRIYA SACHDEV	Development of advanced energy storage materials
PHYSICS	DR. KANUPRIYA SACHDEV	Flexible energy storage devices
PHYSICS	DR. KAVITA LALWANI	Advanced Radiation Shielding and Structural Optimization for Space Missions
PHYSICS	DR. KAVITA LALWANI	Exploring Space Physics: Investigations and Innovations for Modern Space Technologies
PHYSICS	DR. RAHUL SINGHAL	Fabrication of Nanocomposite based Sensors for Determination of Different Drugs and Doping Agents
PHYSICS	DR. RAHUL SINGHAL	Non Fullerene Acceptor based Organic Solar Cells
PHYSICS	DR. SUBHAYAN MANDAL	Plasma density fluctuations in the solar wind.

PHYSICS	DR. SUBHAYAN MANDAL	Stretching of magnetic field lines towards solar wind.

Table 3. 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. BHAVNA SHRIVASTAVA	Ancient settlement pattern and urban planning
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Water sensitive planning
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Sustainable Construction Practices
ARCHITECTURE AND PLANNING	DR. BHAVNA SHRIVASTAVA	Sustainable planning for rural housing
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Urban Design for UHI Mitigation
ARCHITECTURE AND PLANNING	DR. GIREENDRA KUMAR	Building Envelope Design for User's Comfort
ARCHITECTURE AND PLANNING	DR. KALPANA PANDIT	Sustainable settlement form
ARCHITECTURE AND PLANNING	DR. KALPANA PANDIT	Regional urban form and character
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Planning for sustainable development
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Urban resilience and disaster mitigation
ARCHITECTURE AND PLANNING	DR. NIRUTI GUPTA	Sustainable Urban Development
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. TARUSH CHANDRA	Planning for Carbon Neutral Urban Areas
ARCHITECTURE AND PLANNING	DR. TARUSH CHANDRA	Blue Green Infrastructure in Urban Environment
ARCHITECTURE AND PLANNING	DR. TARUSH CHANDRA	Sustainable Waste Management Strategies and Practices
ARCHITECTURE AND PLANNING	DR. TARUSH CHANDRA	Thermal Comfort and Climate Responsiveness by Planning and Design Interventions
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	AI/ML in healthcare

ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	Brain computer interface
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	Security of Cyber physical System
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	VLSI DSP System
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Swarm Intelligence based optimizations for data analysis
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Big data analytics
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. ASHISH KUMAR TRIPATHI	AI for Remote sensing based applications
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Sentiment based stock market prediction
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DEEPAK RANJAN NAYAK	Computer Vision, Satellite Image Processing
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DEEPAK RANJAN NAYAK	Machine Learning and Deep Learning for Real-World Problems
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence for Sustainability
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence in Agriculture
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Generative AI and Large Language Models in Education
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. NAMITA MITTAL	GenAI-Driven Remote Sensing for Early Crop Stress Detection and Smart Interventio
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SANDIPAN KARMAKAR	Advanced Healthcare research through Probabilistic ML
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SANDIPAN KARMAKAR	Reinforcement learning for applications to finance, energy, market, healthcare
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATISH SHARMA	Smart Meter data analytics using AI/ML
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATISH SHARMA	Privacy Protection and Cost of Privacy in Smart Grid
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Multi-objective Clustering and Applications
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Satellite Image Analysis
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Vulnerability analysis in AI model
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Prompt Engineering in Cyberspace
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	AndroidGPT
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Data infiltration in mobile devices

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
CENTER FOR RURAL DEVELOPMENT	DR. MAHENDER CHOUDHARY	Sustainable Agriculture under Climate Stress
CENTER FOR RURAL DEVELOPMENT	DR. MAHENDER CHOUDHARY	Hydrological modelling for extreme events
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Electric Vehicles
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Thermal Applications in Renewable Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Hydrogen Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Energy Storage
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	Validation studies for selected criteria of green building rating systems
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	Load profile studies for air conditioning demand in residential sector
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	Feasibility and impact analysis of district cooling systems
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Energy Storage
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Hydrogen Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Energy Policy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Sustainable development
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	Green Hydrogen from grid perspective
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	EV smart charging
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	power sector decarbonization
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	Grid interactive buildings
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	New and Innovative applications of PV (NIPV)
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Sustainability & Renewable Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Wastewater Treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Novel Material for Environmental Application
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Wastewater Treatment by Hybrid Process
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Wastewater Treatment by Advanced Oxidation Process

CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Biomass to Bioenergy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Solid waste management and treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Biomass to Bioenergy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Solid waste management and treatment
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Ergonomic intervention in handicraft industries
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Impact of Ergonomics on the Mental and Physical Health of Rural women's Workers
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Designing Ergonomic Tools and Work Practices for Small-Scale Rural Industries
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Sustainable Ergonomic Solutions for Reducing Musculoskeletal Disorders in Rural Craftsmanship
CENTRE FOR RURAL DEVELOPMENT	DR. ROHIDAS GANGARAM BHOI	Investigation of traditional practices and indigenous knowledge related to soil fertility and nutrient management.
CENTRE FOR RURAL DEVELOPMENT	DR. ROHIDAS GANGARAM BHOI	Sustainable Nutrient Management Practices in Fertilizers Used for Agricultural Activities.
CENTRE FOR RURAL DEVELOPMENT	DR. ROHIDAS GANGARAM BHOI	Study the development of biofertilizers using beneficial microbes.
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic synthesis of green and sustainable fuels and chemicals
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic environmental pollutants mitigation
CHEMICAL ENGINEERING	DR. DIPALOY DATTA	Ultrasound-Extraction of Bioactive Components from Aqueous Solution using Deep Eutectic Solvents
CHEMICAL ENGINEERING	DR. HRUSHIKESH MADHUSUDAN GADE	Development of high-performing fuel cell components: Experimental and Simulation Approach.
CHEMICAL ENGINEERING	DR. LOVJEET SINGH	Metals extraction from electronic waste
CHEMICAL ENGINEERING	DR. LOVJEET SINGH	Machine learning potentials for heterogeneous catalysis
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. MANISH VASHISHTHA	Biomass based adsorbent development and its use in waste water treatment
CHEMICAL ENGINEERING	DR. MANISH VASHISHTHA	Biochar coated controlled release fertilizer
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Electrochemical Membrane Bioreactors for Simultaneous Wastewater Treatment and Carbon Capture
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Sustainable Treatment of Dye-containing Wastewater through Anaerobic Co-

		Digestion using Electrochemical Membrane Bioreactor
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. POOJA JANGIR	3D printed Microfluidic Devices for Biomedical Applications
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D Printed Micro-Electrochemical Energy Storage Devices
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Artificial Intelligence (AI) and Machine Learning (ML) in Wastewater Treatment
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Studies of Biochar in water and wastewater treatment
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Wastewater to Energy
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Hybrid and Intelligent Approaches to Control Reactive Wall Distillation Column (RDWC)
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Extraction of metals from e-waste
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Upcycling of waste plastics
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Extraction of metals from spent batteries
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Waste water treatment using catalyst synthesized from e-waste
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Co-pyrolysis of biomass and plastic for production of value added products
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Microplastics in ecosystems: their implications and mitigation pathways
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Degradation of pesticides from waste water using different biosorbents
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Production of bio-ethanol from different sources
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Novel Materials for Environmental Application
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Waste Water Treatment by Advanced Oxidation Process
CHEMICAL ENGINEERING	DR. SUBBARAMAIAH V	Valorisation of Biomass into Value-Added Fuels and Chemicals
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Green Hydrogen Production
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	AI based sensors for alcohol blends

CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Waste to wealth for agricultural residue
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Thin functional polymer films
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Hydrodynamics and Simulation Studies of Two-Phase Flow in Microchannels
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Extractive Distillation Studies in Microchannels
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Carbon dioxide Capture Studies in Packed Bed
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Wastewater Treatment using constructed Wetlands
CHEMICAL ENGINEERING	DR. VIJAYALAKSHMI GOSU	Development of Biodegradable Electrochemical Sensors for Environmental Applications
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Wastewater Treatment using advanced oxidation process
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Wastewater treatment
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Modeling & Simulation
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Novel Material for Environmental application
CIVIL ENGINEERING	DR. AMIT KUMAR	Municipal solid waste
CIVIL ENGINEERING	DR. AMIT KUMAR	Sustainable waste processing
CIVIL ENGINEERING	DR. HIMANSHU ARORA	Rainfall Runoff processes and Geospatial techniques
CIVIL ENGINEERING	DR. HIMANSHU ARORA	Projection of Hydro-meteorological Variables Using Soft-Computing Techniques
CIVIL ENGINEERING	DR. LEELAMBAR SINGH	Sustainable Waste Management
CIVIL ENGINEERING	DR. LEELAMBAR SINGH	Sustainable Remediation Techniques
CIVIL ENGINEERING	DR. LEELAMBAR SINGH	Application of remote sensing and GIS for environmental engineering
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Development of Hydrological Model for Surface Water Vulnerability Under Climate Scenarios
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Assessment of Climate Variability on Surface Water Vulnerability in Urban Watersheds
CIVIL ENGINEERING	DR. PAWAN KALLA	Sustainable utilization of Stone industry waste
CIVIL ENGINEERING	DR. PAWAN KALLA	Solution for traffic congestion in urban areas
CIVIL ENGINEERING	DR. RAMESHWAR JAGANNATH VISHWAKARMA	Evaluation of Mechanical Properties of Special Concrete
CIVIL ENGINEERING	DR. RAMESHWAR JAGANNATH VISHWAKARMA	Investigation of the Structural Performance of Concrete Slabs

CIVIL ENGINEERING	DR. RUCHI SHARMA	Electric Vehicles (EVs) and their Environmental Impact
CIVIL ENGINEERING	DR. RUCHI SHARMA	Artificial Intelligence (AI) and Environmental Sustainability Analysis
CIVIL ENGINEERING	DR. SANJAY MATHUR	Indoor Environmental Quality in Sustainable Buildings
CIVIL ENGINEERING	DR. SANJAY MATHUR	Electro-Chemical Treatment of Industrial Wastewater
CIVIL ENGINEERING	DR. SIDDHARTH MEHNDIRATTA	Modelling of Expansive Soil Behavior.
CIVIL ENGINEERING	DR. SIDDHARTH MEHNDIRATTA	Probabilistic analysis of rock tunnels and slopes.
CIVIL ENGINEERING	DR. UTTAM SINGH	Water resources system modeling
COMPUTER SCIENCE AND ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Data Clustering using swarm intelligence
COMPUTER SCIENCE AND ENGINEERING	DR. ASHISH KUMAR TRIPATHI	UAV image analysis
COMPUTER SCIENCE AND ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Remote sensing application of AI
COMPUTER SCIENCE AND ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Satellite Image processing
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Machine learning, Deep Learning and Pattern Recognition
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Deep Learning for Medical Image Processing, Explainable AI
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH GOPALANI	Multilingual Source Code Analysis
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH GOPALANI	Artificial Intelligence in Agriculture
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH KUMAR TYAGI	Collaborative Machine Learning driven real world Applications
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH KUMAR TYAGI	Security and Privacy aspects in Digital Twin and Networks
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH KUMAR TYAGI	Digital Twin Technology and Applications
COMPUTER SCIENCE AND ENGINEERING	DR. DINESH KUMAR TYAGI	AI/ML techniques in next-generation advanced computer Networks
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Improvising defect prediction using deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Test Suite Optimization Using machine learning
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	effective Test Case Generation using AI and machine learning
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Predicting and optimizing test coverage using Machine learning approaches.
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. JYOTI GROVER	Artificial Intelligence and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Next generation Vehicular Ad hoc Networks
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Machine Learning and Deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Artificial Intelligence and Soft Computing
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Pattern recognition and Image processing
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Intelligent optimization algorithms
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Generative AI and Large Language Models in Education
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Social Network Analysis using Graph Neural Networks (GNNs)
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Enhancing Generative AI using Graph Neural Networks
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Explainable and Interpretable GANs
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Artificial Intelligence
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Deepfake Technologies
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	GANs for Realistic Data Generation and AI-Driven Decision Support Systems
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COMPUTER SCIENCE AND ENGINEERING	DR. MUSHTAQ AHMED	Network on chip
COMPUTER SCIENCE AND ENGINEERING	DR. MUSHTAQ AHMED	Hardware based security
COMPUTER SCIENCE AND ENGINEERING	DR. NAMITA MITTAL	AI-Powered Multilingual Systems for Precision Agriculture
COMPUTER SCIENCE AND ENGINEERING	DR. NAMITA MITTAL	Remote Sensing and Generative AI for Early Crop Stress Detection and Intelligent Intervention
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Artificial Intelligence
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Text to Picture generation
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Generative AI
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Ai and Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. PILLI EMMANUEL SHUBHAKAR	Dark Web Investigation using ML

COMPUTER SCIENCE AND ENGINEERING	DR. PILLI EMMANUEL SHUBHAKAR	Security and Privacy in Blockchain
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Deep learning and ANN in health care and allied/relevant systems
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Investigating and analysing the quantum data on classical machine leaning algorithms
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Modelling optimization problems using advanced algorithmic paradigms
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Unicast and/or multicast traffic grooming/optimising heuristic algorithms in Elastic Optical Networks/Sensor Networks under centralized and/or distributed environment
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	Decentralized AI and 6G communication
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	Security for Decentralized Learning
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	Post Quantum Cryptography
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	AI for Blockchain
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Multimodal AI Learning
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Agentic AI Systems
COMPUTER SCIENCE AND ENGINEERING	DR. SMITA NAVAL	Vulnerability Analysis in Android OS Kernel
COMPUTER SCIENCE AND ENGINEERING	DR. SMITA NAVAL	Inspecting encrypted network traffic for Secure communication
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Ethical AI
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	AI enabled Cyber vulnerability analysis
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Generative Adversarial Networks (GANs) for Malware Simulation
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 AI for Malware Obfuscation and Detection
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Agriculture
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Healthcare
ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	State estimation of Modern distribution, system/Microgrid
ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	Analysis & planning of Active Distribution Grid

ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	Modern Distribution system analysis
ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	Application of AI to active distribution grid
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Electric Vehicles integration to grid
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Renewable Energy Integration to Grids
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Microgrids
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Advanced Distribution System Management
ELECTRICAL ENGINEERING	DR. HEMANT KUMAR MEENA	APPLICATION OF MACHINE LEARNING AND SIGNAL PROCESSING IN POWER SYSTEMS/BIOMEDICAL
ELECTRICAL ENGINEERING	DR. HEMANT KUMAR MEENA	POWER FORECASTING WITH ARTIFICAL INTELLIGENCE
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC-DC Converters
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC Microgrid
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	Electric Vehicle
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	Control System Applications to Power Electronic Converters
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Load frequency control design for hybrid power system
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Model Predictive-control for Load Frequency Control of Interconnected Power Systems
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Estimation based control of dc-dc converters
ELECTRICAL ENGINEERING	DR. NEELI SATYANARAYANA	Disturbance estimation based control of PV integrated dc-dc converters
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Power Electronics and Power Quality
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Microgrid
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	DC-DC Cnverters
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	Smart charging for Electric vehicles
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	smart buildings
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	distribution system operation and smart grids
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	Decarbonization of power sector
ELECTRICAL ENGINEERING	DR. RAJIVE TIWARI	Electric vehicle

ELECTRICAL ENGINEERING	DR. RAJIVE TIWARI	Renewable energy
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Renewable Integration
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Energy System Planning
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ELECTRICAL ENGINEERING	DR. SATISH SHARMA	AI/ML for smart grid data analysis
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Cyber security of Smart Grid
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI in Medical Robotics, and HealthCare
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Robust Control, Non Linear and Conventional Control
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Artificial Intelligence (AI) and Machine Learning (ML) in Control Systems
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI-Powered Electric Vehicle
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	Power System Optimization
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	Control Systems Applications
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	Electric Vehicle Operations and Control
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	AI and ML Applications in Electrical Engineering
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	AI/ML in Healthcare
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	Security of Cyber Physical System
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	Application of Brain Computer Interface
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	VLSI DSP System
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ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Nano Electronics Device Modelling & Simulation
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ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Millimeter Wave Radar Sensing Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	Analog Integrated circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	MEMS based sensor

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Fabrication of microelectronic devices and sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Flexible Electronics
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KAMALESH KUMAR SHARMA	Biomedical signal processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KAMALESH KUMAR SHARMA	Antenna design for 5G /6G applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in healthcare
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Generative AI applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Deep Learning for Wireless Communication
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ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Neuromorphic computing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Smart energy meter IoT network
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	AI application for Smart manufacturing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Compute in memory
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Microwave Imaging
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Computational Electromagnetics
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna for 5G/6G applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Dielectric Resonator Antenna for THz applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Flexible Hybrid peizoeletric-triboelectric nanogenerators
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	synthesis and characterisation of diamond wafer
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Artificial Intelligence Algorithms for 5G Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Distributed Computing Algorithms for Wireless Sensor Networks
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	Signal Processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	Micro-Electro-Mechanical Systems (MEMS)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. LAVA BHARGAVA	AI application in Unmanned Aerial systems(drones)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. LAVA BHARGAVA	AI-driven Methane sensor using Nanostructured Materials(TFTs) for Ultra-Sensitive and cost effective detection

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Antenna design for 5G and mm wave applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Design and performance evaluation of planar antenna using AI for RF/ wireless communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Design and performance evaluation of meta material surface using AI for 5G communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Metamaterials and Frequency Selective Surfaces
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VINEET SAHULA	AI for Edge computing /IoT
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HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI BANSAL	Sociology: stratification and gender inequality, education, sustainable development, public policy
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MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Electric Vehicle
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MANAGEMENT STUDIES	DR. MONICA SHARMA	Sustainable Supply Chain in Retailing
MANAGEMENT STUDIES	DR. MONICA SHARMA	Circular Economy in Agribusiness
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	Strategic Management
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	CSR, Sustainability and Circular Economy
MANAGEMENT STUDIES	DR. SANDIPAN KARMAKAR	Industry 4.0 Adoption: Challenges and way forward
MANAGEMENT STUDIES	DR. SHRIDEV	Corporate Finance
MANAGEMENT STUDIES	DR. SHRIDEV	Capital Market
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Financial Markets & Asset Pricing
MANAGEMENT STUDIES	DR. SHWETA SHARMA	ESG practices and firm valuation
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Influence of Corporate Social Responsibility (CSR) on Consumer Buying

		Decisions
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Role of Retail Marketing in Shaping Consumer Shopping Habits in Physical and Online Stores
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Influence of Ethical Marketing on Consumer Purchase Decisions
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Effectiveness of Sales and Distribution Strategies in Reaching Target Audiences and Driving Market Penetration
MATHEMATICS	DR. KUSHAL SHARMA	Modeling Fluid Flow Using the Navier-Stokes Equations
MECHANICAL ENGINEERING	DR. AMAR PATNAIK	Metal alloy composites for Marine application
MECHANICAL ENGINEERING	DR. AMAR PATNAIK	Polymer composites for wind turbine application
MECHANICAL ENGINEERING	DR. AMIT ARORA	Micro heat exchangers
MECHANICAL ENGINEERING	DR. AMIT ARORA	Passive heat transfer enhancement
MECHANICAL ENGINEERING	DR. AMIT ARORA	Thermal management of battery heat
MECHANICAL ENGINEERING	DR. AMIT ARORA	Hybrid Earth-Air heat exchangers
MECHANICAL ENGINEERING	DR. ANUP MALIK	Development and Testing of Heat Dissipation Devices
MECHANICAL ENGINEERING	DR. ANUP MALIK	Development of Drone Components using Thermoplastic Composite Materials
MECHANICAL ENGINEERING	DR. DINESH KUMAR	Phase Field Modelling for Dynamic Fracture in Ultra-High Performance Concrete (UHPC)
MECHANICAL ENGINEERING	DR. DINESH KUMAR	Fracture and Failure Analysis of High Strength Low Alloys
MECHANICAL ENGINEERING	DR. DINESH KUMAR RATHORE	Design and development of nanostrutured polymeric composites for space applications
MECHANICAL ENGINEERING	DR. DINESH KUMAR RATHORE	Thermoplastic based fiber reinforced composites for next generation transport applications
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Nano Particles incorporated phase change materials as energy storage material
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Environmental and Energy Performance Assessment of Electric Batteries through Life Cycle Analysis
MECHANICAL ENGINEERING	DR. G. D. AGARWAL	Design, development and optimization of electric vehicle battery thermal management system
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Fracture Mechanics in Design
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Design for Biomedical Applications
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Failure Prediction and Risk Assessment

MECHANICAL ENGINEERING	DR. JINESH KUMAR JAIN	Experimental investigation, optimization and intigrity testing of weld bead characteristics of novel alloy.
MECHANICAL ENGINEERING	DR. JINESH KUMAR JAIN	Design and development of economic surface hardening technique using arc welding processes.
MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	Validation studies for selected criteria of green building rating systems
MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	Load profile studies for air conditioning demand in residential sector
MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	Feasibility and impact analysis of district cooling systems
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomic design intervention of vibrating hand tools in Carpet weaving industries
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomics Evaluation and design of tools in agricultural sector
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomics Evaluation and design of tools in SMEs
MECHANICAL ENGINEERING	DR. MAKKHAN LAL MEENA	Ergonomic intervention in material handling operations
MECHANICAL ENGINEERING	DR. MANJINDER SINGH	Fluid Mechanics
MECHANICAL ENGINEERING	DR. MUKESH KUMAR	Wear performance analysis of PMC with AI
MECHANICAL ENGINEERING	DR. MUKESH KUMAR	Wear performance analysis of MMC with AI
MECHANICAL ENGINEERING	DR. NARESH KUMAR RAGHUWANSHI	Vibration based intelligent fault diagnosis
MECHANICAL ENGINEERING	DR. NARESH KUMAR RAGHUWANSHI	Active Noise and Vibration Control
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Investigations on ultrasonic machining of gems
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Parametric study on hybrid machining of non-conductive materials
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Investigations on ECDM of ceramic materials
MECHANICAL ENGINEERING	DR. PANKAJ KUMAR GUPTA	Simulation and modelling on casting of products
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	AI enabled Supply Chain Transparency
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	New Logistics for waste in a circular economy
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	Digital technologies enable transparency Supply Chain
MECHANICAL ENGINEERING	DR. RAJEEV AGRAWAL	AI enabled Health care Waste management
MECHANICAL ENGINEERING	DR. RAM DAYAL	Numerical Modelling of two phase flows
MECHANICAL ENGINEERING	DR. RAM DAYAL	Flow and heat transfer in porous media

MECHANICAL ENGINEERING	DR. TAPAS BAJPAI	Weld defect detection in underwater wet welding by applying ML and AI based approaches
MECHANICAL ENGINEERING	DR. TAPAS BAJPAI	Laser welding of dissimilar materials
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Mechanical and microstructure characterization of welded dissimilar materials for aerospace applications
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Real time monitoring for defect detection in wire-arc additive manufacturing
METALLURGICAL AND MATERIALS ENGINEERING	DR. AJAYA KUMAR PRADHAN	Development of high specific strength alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Oxides for high temperature applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Development of materails for bio-implans
METALLURGICAL AND MATERIALS ENGINEERING	DR. BRIJ MOHAN MUNDOTIYA	Tribological studies of electrideposited self lubricating coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. BRIJ MOHAN MUNDOTIYA	Elctrideposition of high entropy alloy coatings for marine applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. DEEPANKAR PANDA	Development of ODS tungsten heavy alloys for military application by Mechanical alloying
METALLURGICAL AND MATERIALS ENGINEERING	DR. JYOTIRMAYA KAR	Reduction kinetics of iron-carbon composite pellets
METALLURGICAL AND MATERIALS ENGINEERING	DR. KRISHNA KUMAR	Development of compact heaters for decay heat simulation in melt above 1300 -1400 Â°C for nuclear reactor
METALLURGICAL AND MATERIALS ENGINEERING	DR. KRISHNA KUMAR	Technology development for Quartz mineral separation for sustainbility
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Polymer nanocomposites
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Anticorrosive polymer composite coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Polymer nanocomposites
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Anticorrosive polymer composite coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJENDRA KUMAR GOYAL	Polymer Nanocomposites for Biomedical Application
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJENDRA KUMAR GOYAL	Nanocomposites for Automotive Sector
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Steel for automobile application
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Beta titanium alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Superalloy for aerospace application
METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Heat treatment study of superalloy

METALLURGICAL AND MATERIALS ENGINEERING	DR. RANDHIR KUMAR SINGH	Mechanical properties evaluation of PH stainless steels
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE MADAM	Grain refinment of aluminium alloys without chemical additions
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE MADAM	Development of high strength aluminium alloys
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE MADAM	Al-Al2O3 nanocomposites via powder metallurgy technique
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Additive manufacturing of ultra-high strength steels
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Designing a new ultra-high strength steel with multicomponent precipitates
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Development of grain refiners for High Alloyed Steels
METALLURGICAL AND MATERIALS ENGINEERING	DR. VIJAY NAVARATNA NADAKUDURU	Resistance spot welding of 6061 Aluminium alloy
PHYSICS	DR. KAMLENDRA AWASTHI	Detection and Mitigation Strategies for Hydrogen Safety in Hydrogen-Powered Vehicles
PHYSICS	DR. KAMLENDRA AWASTHI	Advanced Nanomaterials for Efficient Hydrogen Separation and Storage Applications
PHYSICS	DR. RAHUL SINGHAL	Radiation Hardness Studies of Organic Solar Cell
PHYSICS	DR. RAHUL SINGHAL	Ion Irradiation studies of Metal-reduced Graphene Oxide based Nanocomposites
PHYSICS	DR. RAHUL SINGHAL	X-Ray Absorption Studies of Metal-Carbon Nanocomposites
PHYSICS	DR. RAHUL SINGHAL	Nanocomposite based Electrode Material for Supercapacitor

Table 4. FULL TIME WITH OWN SCHOLARSHIP (NET JRF/CSIR JRF/ETC..) AND VISVESVARAYA SCHOLARSHIP (Full Time/Part Time) GOVT. OF INDIA

Department/Centre	Faculty Name	Tentative Research Area of proposed Ph.D.
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	AI/ML in healthcare
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	Brain computer interface
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	Security of Cyber physical System
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	VLSI DSP system
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	Biomedical signal Processing
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. AMIT MAHESH JOSHI	Embebbed System for healthcare

ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Review sentiment analysis using Machine Leaning
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. ASHISH KUMAR TRIPATHI	AI for Environment Health Monitoring
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DEEPAK RANJAN NAYAK	Medical Image Processing using Deep Learning, Foundation Models for Medical Imaging
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. DEEPAK RANJAN NAYAK	Deep Learning for Computer Vision
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Generative AI and Large Language Models in Education
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. NAMITA MITTAL	AI-Powered Smart Farming Solutions for Sustainable Agriculture
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SANDIPAN KARMAKAR	Advanced Healthcare research through Probabilistic ML
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SANDIPAN KARMAKAR	Reinforcement learning for applications to finance, energy, market, healthcare
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATISH SHARMA	Cyber security of Smart Grid
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATISH SHARMA	Data analytics for Smart Grid using AI/ML
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Multi-objective Clustering and Applications
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Satellite Image Analysis
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Privacy in AI era
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Privacy preserving Cyber initiatives
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Agriculture
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Healthcare
CENTER FOR RURAL DEVELOPMENT	DR. MAHENDER CHOUDHARY	Sustainable Agriculture under Climate Stress
CENTER FOR RURAL DEVELOPMENT	DR. MAHENDER CHOUDHARY	Hydrological modelling for extreme events
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	heat island effect of building integrated solar photovoltaics
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	power generation potential of building integrated solar photovoltaics
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	building integrated solar photovoltaics
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	materials for building integrated solar photovoltaics
CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	building integrated solar photovoltaics with phase change materials

CENTRE FOR ENERGY AND ENVIRONMENT	DR. AMARTYA CHOWDHURY	power generation potential of building integrated solar photovoltaics with phase change materials
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Electric Vehicles
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Thermal Applications in Renewable Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Energy Storage
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Hydrogen Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. ANEESH PRABHAKAR	Energy Management
CENTRE FOR ENERGY AND ENVIRONMENT	DR. JYOTIRMAY MATHUR	IoT applications for improving energy efficiency of air conditionin systems
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Electrochemical energy storage
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Hydrogen production
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	E- waste recycling
CENTRE FOR ENERGY AND ENVIRONMENT	DR. KAPIL PAREEK	Battery recycling
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	power sector decarbonization
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	smart grids
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	smart charging of Electric vehicles
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	green hydrogen from grid perspective
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	power system flexibility
CENTRE FOR ENERGY AND ENVIRONMENT	DR. PARUL MATHURIA	Demand response
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Sustainability & Renewable Energy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	Energy management
CENTRE FOR ENERGY AND ENVIRONMENT	DR. SUNANDA SINHA	New and Innovative applications of PV (NIPV)
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Water/wastewater Treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Synthesis of Novel Chemicals for Environment Application
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Wastewater Treatment by Hybrid Process
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIKAS KUMAR SANGAL	Air Pollution

CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Biomass to Bioenergy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Solid waste management and treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Biomass to Bioenergy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Biomass to Bioenergy
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Solid waste management and treatment
CENTRE FOR ENERGY AND ENVIRONMENT	DR. VIVEKANAND	Solid waste management and treatment
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Sustainable Ergonomic Strategies for Rural Construction Workers
CENTRE FOR RURAL DEVELOPMENT	DR. MAKKHAN LAL MEENA	Cross-Cultural Ergonomics: Implementing Sustainable Solutions for Musculoskeletal Disorder Prevention in Rural Sectors
CENTRE FOR RURAL DEVELOPMENT	DR. ROHIDAS GANGARAM BHOI	Bioplastic from renewable biomass
CENTRE FOR RURAL DEVELOPMENT	DR. ROHIDAS GANGARAM BHOI	Study on the production of biochar from agricultural waste through pyrolysis and its application as a soil amendment.
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic synthesis of green and sustainable fuels and chemicals
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Catalytic environmental pollutants mitigation
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Biomass to biofuels and chemicals
CHEMICAL ENGINEERING	DR. BIKASHBINDU DAS	Wastewater treatment
CHEMICAL ENGINEERING	DR. LOVJEET SINGH	Integrated CO2 capture and conversion using dual functional materials
CHEMICAL ENGINEERING	DR. LOVJEET SINGH	Catalytic applications of industrial waste derived materials
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	Next-Gen Advanced Composite & Mixed-Matrix Membranes for Hydrogen Separation
CHEMICAL ENGINEERING	DR. MD. OAYES MIDDA	Membrane Technologies for Co-separation of Hâ,,/CHâ,„ from Biogas & Natural Gas
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Design of effective materials for energy storage devices using AI-ML tools
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Design of materials for energy storage devices using ab-initio MD simulation approach
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Development of ceramic materials for proton conducting solid oxide electrolysis/fuel cell

CHEMICAL ENGINEERING	DR. NEETU KUMARI	Designing High-Performance Materials via Ab-initio Molecular Dynamics Simulations
CHEMICAL ENGINEERING	DR. NEETU KUMARI	AI and Machine Learning for Next-Generation Energy Storage Materials: Smart Design and Optimization
CHEMICAL ENGINEERING	DR. NEETU KUMARI	Advanced Hydrogen Production Using Solid Oxide Electrolysis Cells
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D printed Microfluidic Devices for Biomedical Applications
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D Printed Micro-Electrochemical Energy Storage Devices
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Wastewater to Energy
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Studies of Biochar in water and wastewater treatment
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Hybrid and Intelligent Approaches to Control Reactive Wall Distillation Column (RDWC)
CHEMICAL ENGINEERING	DR. RAJEEV KUMAR DOHARE	Artificial Intelligence (AI) and Machine Learning (ML) in Wastewater Treatment
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Synthesis of advanced materials from e-waste
CHEMICAL ENGINEERING	DR. RAMDAYAL PANDA	Extraction of critical metals from spent lithium ion batteries using green solvent
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Fly ash-doped biochar: characteristics and potentialities of carbon sequestration
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Degradation studies of biobased polymers and synthetic polymers
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Waste Water Treatment by Advanced Oxidation Process
CHEMICAL ENGINEERING	DR. SHIV OM MEENA	Novel Materials for Environmental Application
CHEMICAL ENGINEERING	DR. SUBBARAMAIAH V	Conversion of Biomass to Fuels and Chemicals: Density Functional Theory and Machine Learning Approaches
CHEMICAL ENGINEERING	DR. SUBBARAMAIAH V	Development of Functionalized Catalysts from Waste Resources
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Tandem perovskite solar cells
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Nanomaterials for electronic devices (Solar cells/ Sensors/ Optoelectronics)
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Green Hydrogen Production
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	AI based sensors for alcohol blends
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Waste to wealth for agricultural residue
CHEMICAL ENGINEERING	DR. SURAJIT GHOSH	Thin functional polymer films
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Reactive Distillation in Microchannels

CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Extractive Distillation in Microchannels
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	CO2 capture using environmental friendly solvents
CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Wastewater Treatment Studies using Constructed Wetlands
CHEMICAL ENGINEERING	DR. VIJAYALAKSHMI GOSU	Novel Catalytic Up-Conversion of Biomass to Value Added Chemicals
CHEMICAL ENGINEERING	DR. VIJAYALAKSHMI GOSU	Development of Hetrogeneous Catalysts for Environmental Application: Density Functional Theory and Machine Learning Approaches
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Wastewater treatment
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Novel Material for Environmental application
CHEMICAL ENGINEERING	DR. VIKAS KUMAR SANGAL	Synthesis of novel adsorbents for wastewater treatment
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Molecules for Photo-Dynamic Therapy (Anti Cancer Drugs)
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Organometallic Photo-catalysts
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Photosensitizers for Hydrogen Generation (Photoelectrochemical Cells)
CHEMISTRY	DR. ABBAS RAJA NAZIRUDDIN	Molecular Sensors (Mechanochromic Complexes)
CHEMISTRY	DR. ABHINEET VERMA	Nano-Magnets
CHEMISTRY	DR. ABHINEET VERMA	Qubits for high blocking temperature
CHEMISTRY	DR. ABHINEET VERMA	High-stability room temperature ionic liquids
CHEMISTRY	DR. ABHINEET VERMA	Self healing crystal materials
CHEMISTRY	DR. ABHINEET VERMA	FRET microscopy
CHEMISTRY	DR. ABHINEET VERMA	NIR emitting NanoCrystals
CHEMISTRY	DR. BARUN JANA	Molecular Sensors for the Detection of Toxic Chemicals
CHEMISTRY	DR. BARUN JANA	Development of Molecular Catalysts for Photo/Electro Catalytic Reaction
CHEMISTRY	DR. BARUN JANA	Organometallic Catalysis Based on First Row Transition Metal
CHEMISTRY	DR. BHAGWATI SHARMA	Metal-organic nanostructures for biological and environmental applications
CHEMISTRY	DR. BHAGWATI SHARMA	Supramolecular metallogels for environmental applications
CHEMISTRY	DR. BHAGWATI SHARMA	Nanoscale materials for optical sensing of metal ions and biomolecules

CHEMISTRY	DR. BHAGWATI SHARMA	Hybrid Nanomaterials for Multifunctional Applications
CHEMISTRY	DR. BIMAN BANDYOPADHYAY	Prebiotic astrochemistry: Sulfur in Interstellar clouds and ices
CHEMISTRY	DR. BIMAN BANDYOPADHYAY	Astrochemistry and astrobiology beyond second period elements: Spectroscopy and modelling
CHEMISTRY	DR. MANVIRI RANI	Biosourced nanomaterials synthesis and their catalytic applications
CHEMISTRY	DR. MANVIRI RANI	Green functionalized nanocoatings for sensing of toxic metals
CHEMISTRY	DR. MANVIRI RANI	Biochar based nanocomposites
CHEMISTRY	DR. MANVIRI RANI	Reusable polymeric nanomaterials and their applications
CHEMISTRY	DR. MEENA NEMIWAL	Development of advanced materials for water treatment
CHEMISTRY	DR. MEENA NEMIWAL	Advanced catalysis and synthesis of medicinally important compounds
CHEMISTRY	DR. PAWAN REKHA	Nitrogen rich materials for chemical fixation of CO2
CHEMISTRY	DR. PAWAN REKHA	Utilization of glycerol for the production of glycerol carbonate through greener route
CHEMISTRY	DR. PAWAN REKHA	Heterometallic complexes for CO2 hydrogenation
CHEMISTRY	DR. PAWAN REKHA	Layered metal phosphates for CO2 utilization
CHEMISTRY	DR. PRADEEP KUMAR	Aritifical intelligence in chemical dynamics
CHEMISTRY	DR. RAHUL	Functionalisation of Biopolymers
CHEMISTRY	DR. RAHUL	Chemical Sensors
CHEMISTRY	DR. RAHUL	Upconversing nanoparticles
CHEMISTRY	DR. RAHUL	Drug Delivery Systems
CHEMISTRY	DR. RAHUL	H2S releasing molecules
CHEMISTRY	DR. RAJ KUMAR JOSHI	Greener synthetic strategies for general and selective organic transformations reactions
CHEMISTRY	DR. RAJ KUMAR JOSHI	Design and synthesis of novel ferrocene derivatives as an anticancer drug molecules
CHEMISTRY	DR. SUDHIR KASHYAP	Computational Modelling of Glycosylation Reactions
CHEMISTRY	DR. SUDHIR KASHYAP	DFT Insights into Stereo-Controlled Chemical Glycosylation Mechanism

CHEMISTRY	DR. SUDHIR KASHYAP	Cross-Coupling (Mizoroki-Heck-Suzuki-Miyaura) for Chiral Carbohydrate Scaffolds
CHEMISTRY	DR. SUDHIR KASHYAP	Organic-Metallic Reaction for Essential Medicinal and Hybrid Materials
CHEMISTRY	DR. SUDHIR KASHYAP	Organo-Catalysis in Nobel Chemical Transformations
CHEMISTRY	DR. SUDHIR KASHYAP	Photochemical/Electrochemical protocols for Green Synthesis
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Nanomaterials for Overall Water Splitting
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Layered Nanomaterials for Hydrogen Production
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Nanocatalysts for Fuel Cells
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Layered Materials for Energy and Environmental Applications
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Nanomaterials for Sustainable Energy
CHEMISTRY	DR. SUMANTA KUMAR MEHER	Novel Nanomaterials for Biosensing Applications
CHEMISTRY	DR. SUMIT KUMAR SONKAR	Nanomaterials for di-nitrogen reduction application
CHEMISTRY	DR. SUMIT KUMAR SONKAR	Ambient condition ammonia synthesis
CHEMISTRY	DR. SUMIT KUMAR SONKAR	Utilization of Marble Dust to C1-C2 products
CHEMISTRY	DR. SUMIT KUMAR SONKAR	Sunlight-Promoted Photothermal Applications of Nano Carbons
CHEMISTRY	DR. SUMIT KUMAR SONKAR	Iron Nanomaterials from Steel Industries for CO2 reduction applications
CHEMISTRY	DR. SUMIT KUMAR SONKAR	Carbon based aerogels for removal of crude oil and other pollutants
CHEMISTRY	DR. U K ARUN KUMAR	Carbondioxide utilization and conversion to useful products
CHEMISTRY	DR. U K ARUN KUMAR	Reactive distillation using heterogeneous catalysts in flow reactors
CHEMISTRY	DR. U K ARUN KUMAR	CO2 capture and conversion studies using environmentally friendly solvents
CIVIL ENGINEERING	DR. HIMANSHU ARORA	Linked Simulation-Optimization techniques in Hydrology and Water Resources Engineering
CIVIL ENGINEERING	DR. HIMANSHU ARORA	Multivariate-Distribution based assessment of Climate Extremes
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Integrated Hydrodynamic Modelling of River Basins
CIVIL ENGINEERING	DR. MANOJ KUMAR DIWAKAR	Machine Learning Approaches for Extreme Streamflow Prediction in River Basins
CIVIL ENGINEERING	DR. RUCHI SHARMA	Electric Vehicles (EVs) and their Environmental Impact

CIVIL ENGINEERING	DR. RUCHI SHARMA	Artificial Intelligence (AI) and Environmental Sustainability Analysis
CIVIL ENGINEERING	DR. SIDDHARTH MEHNDIRATTA	Expansive Soil Behavior and its Impact on Structures
CIVIL ENGINEERING	DR. SIDDHARTH MEHNDIRATTA	Development of numerical models for offshore engineering.
CIVIL ENGINEERING	DR. UTTAM SINGH	Water resources system modeling
COMPUTER SCIENCE AND ENGINEERING	DR. ASHISH KUMAR TRIPATHI	AI for Environment Monitoring
COMPUTER SCIENCE AND ENGINEERING	DR. ASHISH KUMAR TRIPATHI	Big Data processing using Swarm
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Machine Learning and Deep Learning for Medical Imaging
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Deep Learning for Modern Computer Vision Tasks, Satellite Image Analysis
COMPUTER SCIENCE AND ENGINEERING	DR. GIRDHARI SINGH	Test Suite improvisation Using deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Machine learning and computer security
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Artificial Intelligence and Machine Learning
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	Ethical and Trusted AI driven framework for Network Security
COMPUTER SCIENCE AND ENGINEERING	DR. JYOTI GROVER	Responsible and Safe AI solutions for Cyber Security
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Machine Learning and Deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Artificial Intelligence and Soft Computing
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Pattern recognition and Image processing
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Intelligent optimisation algorithms
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Natural Language processing and Large language models
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Remote sensing and geographic information systems
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Generative AI and Large Language Models in Education
COMPUTER SCIENCE AND ENGINEERING	DR. MAHIPAL PRITHVISINH JADEJA	Machine/Deep Learning with Graphs
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Artificial Intelligence
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Artificial Intelligence for Cyber Security

COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Artificial Intelligence Models for Real Life Applications
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Deepfake Technologies
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Blockchain Technologies
COMPUTER SCIENCE AND ENGINEERING	DR. MUSHTAQ AHMED	Cloud Security
COMPUTER SCIENCE AND ENGINEERING	DR. NAMITA MITTAL	GenAI-Driven Remote Sensing for Early Crop Stress Detection and Smart Intervention
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Generative AI
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Recommender systems
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Text summation
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Data Analytics
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Text to video
COMPUTER SCIENCE AND ENGINEERING	DR. NEETA NAIN	Sketch to image
COMPUTER SCIENCE AND ENGINEERING	DR. PILLI EMMANUEL SHUBHAKAR	Artificial Intelligence Forensics
COMPUTER SCIENCE AND ENGINEERING	DR. PILLI EMMANUEL SHUBHAKAR	Forensic Analysis in Cloud Environments using DL
COMPUTER SCIENCE AND ENGINEERING	DR. PILLI EMMANUEL SHUBHAKAR	Zero Trust Security Architecture
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Investigating and analysing the quantum data on classical machine leaning algorithms
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Modelling optimisation problems using advanced algorithmic paradigms
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Unicast and/or multicast traffic grooming/optimising heuristic algorithms in Elastic Optical Networks/Sensor Networks under centralised and/or distributed environment
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Deep learning and ANN in health care and allied/relevant systems
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Modelling optimisation problems using advanced algorithmic paradigms
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Deep learning and ANN in health care and allied/relevant systems
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Multimodal AI Learning
COMPUTER SCIENCE AND ENGINEERING	DR. SADBHAWNA	Agentic AI Systems
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Large Language Models for Indian Languages

COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Detecting AI generated content
COMPUTER SCIENCE AND ENGINEERING	DR. VIKASH KUMAR	Generative Adversarial Networks (GANs) for Malware Simulation
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 AI for Malware Obfuscation and Detection
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Healthcare
COMPUTER SCIENCE AND ENGINEERING	DR. YOGESH KUMAR MEENA	AI and ML applications in Agriculture
ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	Application of AI to AC/DC Microgrid
ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	State estimation of active distribution grid
ELECTRICAL ENGINEERING	DR. AKHILESH MATHUR	State estimation of modern distribution grid
ELECTRICAL ENGINEERING	DR. ANIL SWARNKAR	Smart Grids
ELECTRICAL ENGINEERING	DR. ANIL SWARNKAR	Virtual Energy Storage
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Quantum Computing for Power systems
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Vehicle-to-everything (V2X)
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Electric Vehicles
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Microgrids
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Energy Management
ELECTRICAL ENGINEERING	DR. DIPTI SAXENA	Cyber Security in Smart Grid
ELECTRICAL ENGINEERING	DR. HEMANT KUMAR MEENA	APPLICATION OF MACHINE LEARNING AND SIGNAL PROCESSING IN POWER SYSTEMS/BIOMEDICAL
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	DC-DC Converters
ELECTRICAL ENGINEERING	DR. MAN MOHAN GARG	Electric Vehicles
ELECTRICAL ENGINEERING	DR. NITIN GUPTA	Power Electronics
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	Energy Economics and markets
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	Decarbonization of power sector

ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	multi energy systems
ELECTRICAL ENGINEERING	DR. PARUL MATHURIA	Smart charging of EVs
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Digital Twins for Power Systems
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	AI applications to Power Systems
ELECTRICAL ENGINEERING	DR. SANDEEP N	Power electronics for electric vehicles
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Cyber security of Smart Grid
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	EV management and Privacy issues
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI in Medical Robotics, and HealthCare
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Robust Control, Non Linear and Conventional Control
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Artificial Intelligence (AI) and Machine Learning (ML) in Control Systems
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI-Powered Electric Vehicle
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Machine Learning in the field of Control Systems
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Deep Learning in the field of Control Systems
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	AI/ML Applications in Electrical Engineering
ELECTRICAL ENGINEERING	DR. VINAY PRATAP SINGH	DL/Control Applications in Power Systems
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	AI/ML in healthcare
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	Security in Cyber Physical System
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	Application of Brain Computer Interface
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. AMIT MAHESH JOSHI	VLSI DSP System
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. ANKIT	RF/Wireless Communications
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	Mixed Signal Integrated Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Microelectronic Devices & Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	RF Integrated Circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	Analog Integrated circuits
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. D. BOOLCHANDANI	MEMS based sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Fabrication of microelectronic devices and sensors
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. DEEPAK BHARTI	Flexible Electronics
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Artificial Intelligence applications in healthcare
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Generative AI applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	Deep Learning for Wireless Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Neuromorphic computing using advanced nanodevices
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	AI application for industry 4.0
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Neuromorphic computing using advanced 2D materials
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Smart energy meter IoT network
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Approximate computing using advanced materials
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. MENKA	Compute in memory using advance materials
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	RF & Microwaves
ELECTRONICS AND COMMUNICATION	DR. RAJENDRA MITHARWAL	Electromagnetic Scattering

ENGINEERING		
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Microwave Imaging
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Computational Electromagnetics
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Applied Electromagnetics
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RAJENDRA MITHARWAL	Microwave Signal Processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Antenna for 5G/6G applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. REENA KUMARI	Dielectric Resonator Antenna for THz applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Synthesis and characterisation of diamond wafer
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Sensors for space applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	ANTENNA FOR 5G/6G APPLICATIONS
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	FREQUENCY SELECTIVE SURFACES FOR 5G/6G APPLICATIONS
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Artificial Intelligence Algorithms for 5G Communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SATYASAI JAGANNATH NANDA	Distributed Computing Algorithms for Wireless Sensor Networks
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	Micro-Electro-Mechanical Systems (MEMS)
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. TARUN VARMA	Signal Processing
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Antenna design for 5G and mm wave applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Design and performance evaluation of planar antenna using AI for RF/ wireless communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Design and performance evaluation of meta material surface using AI for 5G communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Metamaterials and Frequency Selective Surfaces

ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Microstrip antennas for mmWave and THz applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Metamaterial-inspiredmicrostrip antennas
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VINEET SAHULA	AI for Edge computing /IoT
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. VINEET SAHULA	AI approaches for low-resource natural language translation
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, sustainable 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. NIDHI SHARMA	Behavioral Development Economics
HUMANITIES AND SOCIAL SCIENCE	DR. NIDHI SHARMA	Economics of Well-being and Happiness
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Gender studies
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Memory and Trauma in Literature
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. NUPUR TANDON	Indian Writing in English
HUMANITIES AND SOCIAL SCIENCE	DR. NUPUR TANDON	Film Studies
HUMANITIES AND SOCIAL SCIENCE	DR. NUPUR TANDON	Gender and Identity in Contemporary Writing
HUMANITIES AND SOCIAL SCIENCE	DR. NUPUR TANDON	Themes and concerns in global fiction
HUMANITIES AND SOCIAL SCIENCE	DR. PREETI BHATT	Cultural Contexts in Literature
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	Narrative Technique in Contemporary Literature
MANAGEMENT STUDIES	DR. AAKANKSHA KATARIA	Human Resource Analytics

MANAGEMENT STUDIES	DR. AAKANKSHA KATARIA	Agile HRM
MANAGEMENT STUDIES	DR. AAKANKSHA KATARIA	Employee Mindfulness
MANAGEMENT STUDIES	DR. AAKANKSHA KATARIA	Digital Transformation and Employee Well-being
MANAGEMENT STUDIES	DR. AAKANKSHA KATARIA	HRM and Social Sustainability
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Business Analytics
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Sustainable operations
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Supply Chain Analytics
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Electric Vehicle
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	e-waste management
MANAGEMENT STUDIES	DR. AYUSH GAUTAM	Industry 6.0 and Circular Economy
MANAGEMENT STUDIES	DR. DIVESH KUMAR	Consumer behavior and sustainability
MANAGEMENT STUDIES	DR. DIVESH KUMAR	Sustainable supply chain
MANAGEMENT STUDIES	DR. MONICA SHARMA	Sustainable Supply Chain in Retailing
MANAGEMENT STUDIES	DR. MONICA SHARMA	Circular Economy in Agribusiness
MANAGEMENT STUDIES	DR. REETA SINGH	AI and Automation in HR
MANAGEMENT STUDIES	DR. REETA SINGH	Technology and Talent Analytics
MANAGEMENT STUDIES	DR. REETA SINGH	Leadership and Change Management
MANAGEMENT STUDIES	DR. REETA SINGH	Organizational Change and HRM
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	CSR, Sustainability and Circular Economy
MANAGEMENT STUDIES	DR. RITIKA MAHAJAN	Strategic Management
MANAGEMENT STUDIES	DR. SHRIDEV	Corporate finance
MANAGEMENT STUDIES	DR. SHRIDEV	Capital Market
MANAGEMENT STUDIES	DR. SHWETA SHARMA	ESG practices and firm valuation
MANAGEMENT STUDIES	DR. SHWETA SHARMA	Fintech and Sustainable Financial Practices
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Role of Public Relations in Shaping Brand Reputation and Managing

		Consumer Expectations During Crises
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Challenges and Opportunities of Global Marketing Strategies in Adapting to Local Consumer Behaviour and Preferences
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Role of Public Relations in Shaping Brand Reputation and Managing Consumer Expectations During Crises
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Role of Consumer Behaviour in Shaping Brand Loyalty and Marketing Strategies Across Different Industries
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	Sustainability Claims and Consumer Perception in Green Marketing Practices
MANAGEMENT STUDIES	DR. SUNDEEP KUMAR	The Influence of Corporate Social Responsibility (CSR) on Consumer Buying Decisions
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	Fluorescent Carbon dots for multifunctional applications
MATERIAL RESEARCH CENTER	DR. BHAGWATI SHARMA	Artificial enzymes for multifunctional applications
MATERIAL RESEARCH CENTER	DR. KANUPRIYA SACHDEV	Development of advanced energy storage devices
MATERIAL RESEARCH CENTER	DR. KANUPRIYA SACHDEV	Flexible energy storage devices
MATHEMATICS	DR. GEETANJALI CHATTOPADHYAY	Control strategies for interfacial instabilities
MATHEMATICS	DR. GEETANJALI CHATTOPADHYAY	Analysis of interfacial flows in porous channels
MATHEMATICS	DR. KUSHAL SHARMA	The Mathematical Framework of Fluid Flow: A PDE-Based Approach
MATHEMATICS	DR. OM P. SUTHAR	Mathematical analysis of fluid flows using PDEs
MATHEMATICS	DR. OM P. SUTHAR	Computational Analysis of Nonlinear Differential Equations
MATHEMATICS	DR. OM P. SUTHAR	Chaos Theory and Its Applications in Dynamical Systems
MATHEMATICS	DR. OM P. SUTHAR	Bifurcation and Stability Analysis of Dynamical Systems
MATHEMATICS	DR. RITU AGARWAL	Optimal control and analysis of the dynamical systems
MATHEMATICS	DR. RITU AGARWAL	Stochastic and delayed dynamical systems
MATHEMATICS	DR. RITU AGARWAL	Epidemiological models of Fractional order
MATHEMATICS	DR. RITU AGARWAL	Numerical methods for fractional differential equations

MATHEMATICS	DR. SANJAY BHATTER	Study of Fractional calculus and Special functions
MATHEMATICS	DR. SANJAY BHATTER	Study of Generalized Hypergeometric Functions
MATHEMATICS	DR. SANTOSH CHAUDHARY	Modeling using Differential Equations
MATHEMATICS	DR. SANTOSH CHAUDHARY	Computational Numerical Analysis of Partial Differential Equations
MECHANICAL ENGINEERING	DR. GULAB PAMNANI	Damage Tolerant Design of Lightweight Structures
MECHANICAL ENGINEERING	DR. JYOTIRMAY MATHUR	IoT applications for improving energy efficiency of air condition in systems
MECHANICAL ENGINEERING	DR. RAM DAYAL	Numerical Modelling of two phase flows
MECHANICAL ENGINEERING	DR. RAM DAYAL	Flow and heat transfer in porous media
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Defect detection, sorting and remedies in wire-arc additive manufacturing using machine learning
MECHANICAL ENGINEERING	DR. YASHWANT KOLI	Achieving nearly Homogeneous multi-wall structures fabricated by wire-arc additive manufacturing after post heat-treatment
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Development of materails for bio-implans
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Oxides for high temperature applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. BANDI SURESH	Extraciton of useful materials form battery waste
METALLURGICAL AND MATERIALS ENGINEERING	DR. BRIJ MOHAN MUNDOTIYA	Tribological studies of electrideposited self lubricating coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. BRIJ MOHAN MUNDOTIYA	Elctrideposition of high entropy alloy coatings for marine applications
METALLURGICAL AND MATERIALS ENGINEERING	DR. DEEPANKAR PANDA	Development of ODS tungsten heavy alloys for military application by Mechanical alloying
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Polymer nanocomposites
METALLURGICAL AND MATERIALS ENGINEERING	DR. KUNAL JAYPRAKASH BORSE	Anticorrosive polymer composite coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Mechanical property evaluation of a steel
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Beta titanium alloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. RAJESH KUMAR RAI	Hot corrosion behaviour of a superalloy
METALLURGICAL AND MATERIALS ENGINEERING	DR. SREEKUMAR VADAKKE MADAM	Development of Al-Li based composites via powder metallurgy technique
PHYSICS	DR. ANIRBAN DUTTA	Hydrogen Evaluation Reaction studies of TMDs

PHYSICS	DR. ANIRBAN DUTTA	Development of nanomaterials for HER application
PHYSICS	DR. ANIRBAN DUTTA	Nanomaterials for energy application
PHYSICS	DR. ANIRBAN DUTTA	A density functional theory study of the HER application
PHYSICS	DR. DEBASISH SARKAR	Development of an efficient water electrolyzer
PHYSICS	DR. DEBASISH SARKAR	Development of electrocatalysts for fast Hydrogen generation through water electrolysis
PHYSICS	DR. K VENKATARATNAM KAMMA	Constraining the Nature of dark matter through gravitational lensing
PHYSICS	DR. K VENKATARATNAM KAMMA	Black holes as a source of Dark Energy
PHYSICS	DR. KAMAKSHI PANDEY	Development of Novel Organic-Inorganic Hybrid Membranes for Hydrogen Purification and Carbon Capture
PHYSICS	DR. KAMAKSHI PANDEY	CFD Modeling and simulation of Membranes for Enhanced Energy Conversion and Environmental Remediation
PHYSICS	DR. KAMLENDRA AWASTHI	Flexible Gas Sensors Based on Functional Nanomaterials for Wearable Health Monitoring and IoT Devices
PHYSICS	DR. KAMLENDRA AWASTHI	2D Material-Based Flexible and Wearable Supercapacitors for Advanced Energy Devices
PHYSICS	DR. KAMLENDRA AWASTHI	Metal-Organic Framework (MOF) Embedded Polymer Materials for High-Performance Gas Separation Membranes
PHYSICS	DR. KAMLENDRA AWASTHI	Advanced Nanomaterials for Next-Generation Wearable and Point-of-Care Biosensing Devices
PHYSICS	DR. KANUPRIYA SACHDEV	Development of advanced energy storage materials
PHYSICS	DR. KANUPRIYA SACHDEV	Flexible energy storage devices
PHYSICS	DR. KAVITA LALWANI	Exploring the Secrets of Matter-Antimatter Asymmetry with Belle II at KEK Japan
PHYSICS	DR. KAVITA LALWANI	Experimental Study of Charm Physics Using Belle II Data
PHYSICS	DR. KAVITA LALWANI	Exploring Quantum Computing: From Theory to Practical Implementations
PHYSICS	DR. KAVITA LALWANI	Quantum Computing for Simulation and Machine Learning
PHYSICS	DR. MANOJ KUMAR	High-Performance PGM free Catalyst for Membrane water electrolyzer
PHYSICS	DR. MANOJ KUMAR	Experimental Investigation of Quantum Materials for Quantum Technologies
PHYSICS	DR. RAHUL SINGHAL	Fabrication of Nanocomposite Based Sensor for determination of different

		Drugs and Doping Agents
PHYSICS	DR. RAHUL SINGHAL	Ion Irradiation studies of Metal Nanoparticles
PHYSICS	DR. RAHUL SINGHAL	Synthesis of Nanoparticles based composite Material for Optical Applications
PHYSICS	DR. RAHUL SINGHAL	Synthesis of Anti Reflective Coating for Optical Applications
PHYSICS	DR. RAHUL SINGHAL	Synchrotron Based X-ray Studies of Thin Films
PHYSICS	DR. RAHUL SINGHAL	Small Angle X-Ray Scattering (SAXS) Studies of Thin Films using Synchrotron Accelerator
PHYSICS	DR. SUBHAYAN MANDAL	Study of Type III Solar Radio Bursts in Corona.
PHYSICS	DR. SUBHAYAN MANDAL	Correspondence between CMEs, Prominence, Flares & other solar eruptions.

Table 5. 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	Acoustical performances of residential buildings
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Planning for Multimodal Transportation System
ARCHITECTURE AND PLANNING	DR. NAND KUMAR	Integrated Urban and Water Planning for Climate change
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	AI and Deception techniques
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Digital Twin
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Hallicunation regulation in AI
ARTIFICIAL INTELLIGENCE AND DATA ENGINEERING	DR. VIJAY LAXMI	Logic based AI for patching code vulnerabilities
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D Printed Micro-Electrochemical Energy Storage Devices
CHEMICAL ENGINEERING	DR. POOJA JANGIR	3D printed Microfluidic Devices for Biomedical Applications
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Reforming of pyrolysis gas to hydrogen-rich stream
CHEMICAL ENGINEERING	DR. ROHIDAS GANGARAM BHOI	Methane pyrolysis to hydrogen

CHEMICAL ENGINEERING	DR. U K ARUN KUMAR	Extraction and Distillation in Microchannels
CHEMISTRY	DR. MEENA NEMIWAL	Water remediation by using sustainable materials
CHEMISTRY	DR. MEENA NEMIWAL	Synthesis of biologically important compounds by using new protocols
CIVIL ENGINEERING	DR. AMIT KUMAR	municipal waste management
CIVIL ENGINEERING	DR. AMIT KUMAR	Sustainable waste processing
CIVIL ENGINEERING	DR. MAHESH KUMAR JAT	Urban Heat Island, Adaptation and Mitigation pathways
CIVIL ENGINEERING	DR. MAHESH KUMAR JAT	Integrated Water Cycle Management
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Multi-Label Ophthalmic Disease Diagnosis in Fundus Images using Deep Learning
COMPUTER SCIENCE AND ENGINEERING	DR. DEEPAK RANJAN NAYAK	Deep Learning for Medical Image Analysis
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Machine Learning and Deep learning
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Artificial Intelligence and Soft Computing
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Pattern recognition and Image processing
COMPUTER SCIENCE AND ENGINEERING	DR. LAVIKA GOEL	Intelligent optimisation algorithms
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Artifiical Intelligence for Engineering Applications
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Deepfake Technologies
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Blockchain Technologies for Decentralized Applications
COMPUTER SCIENCE AND ENGINEERING	DR. MEENAKSHI TRIPATHI	Graph Neural Networks for Social Applications
COMPUTER SCIENCE AND ENGINEERING	DR. NAMITA MITTAL	Smart Grid Demand Response Management System for Enhanced Efficiency
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Investigating and analysing the quantum data on classical machine leaning algorithms
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Deep learning and ANN in health care and allied/relevant systems
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Modelling optimisation problems using advanced algorithmic paradigms
COMPUTER SCIENCE AND ENGINEERING	DR. PRASANTA MAJUMDAR	Unicast and/or multicast traffic grooming/optimising heuristic algorithms in Elastic Optical Networks/Sensor Networks under centralised and/or distributed environment
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	Secure decentralized learning
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	Trust AI for communication

COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	Intelligent precise localization using AI for communications
COMPUTER SCIENCE AND ENGINEERING	DR. RAMESH BABU BATTULA	AI and 6G for digital twin
COMPUTER SCIENCE AND ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	AI enabled Cyber Secuiry framework for Smart Systerms
COMPUTER SCIENCE AND ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Network Traffic Analayis of Smart Systems using AI
COMPUTER SCIENCE AND ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Federated Learning
COMPUTER SCIENCE AND ENGINEERING	DR. SATYENDRA SINGH CHOUHAN	Continual Machine Learning
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Detecting fake news in AI era
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Hallucination control through reasoning in AI
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Explainable AI
COMPUTER SCIENCE AND ENGINEERING	DR. VIJAY LAXMI	Android Kernel patching
ELECTRICAL ENGINEERING	DR. HEMANT KUMAR MEENA	APPLICATION OF MACHINE LEARNING AND SIGNAL PROCESSING IN POWER SYSTEMS/BIOMEDICAL /MMWAVE RADAR
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Net Zero Energy Pathways
ELECTRICAL ENGINEERING	DR. ROHIT BHAKAR	Energy System Planning
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Economical viability of EV charging station
ELECTRICAL ENGINEERING	DR. SATISH SHARMA	Energy Storage integration in Smart Grid
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI in Medical Robotics, and HealthCare
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Robust Control, Non Linear and Conventional Control
ELECTRICAL ENGINEERING	DR. SURENDER HANS	AI-Powered Electric Vehicle
ELECTRICAL ENGINEERING	DR. SURENDER HANS	Artificial Intelligence (AI) and Machine Learning (ML) in Control Systems
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Nano Electronics Device Modelling & Simulation
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. BHARAT CHOUDHARY	Analog and Digital VLSI Design
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. KULDEEP SINGH	Mobile Security
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. KULDEEP SINGH	AI for Cyber Security
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	Neuomorphic electronics
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. RITU SHARMA	graphene based composites for electronic applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. SARTHAK SINGHAL	Beam steering antenna array for 6G Applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Design and performance evaluation of meta material surface using AI for 5G communication
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Metamaterials and Frequency Selective Surfaces
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Microstrip antennas for mmWave and THz applications
ELECTRONICS AND COMMUNICATION ENGINEERING	DR. M.M. SHARMA	Metamaterial-inspired microstrip antennas
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	Literature and Culture
HUMANITIES AND SOCIAL SCIENCE	DR. NIRAJA SARASWAT	CALL and MALL in English Language Teaching
MANAGEMENT STUDIES	DR. MONICA SHARMA	Women Entrepreneurship
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Oxidation Resistant Coatings
METALLURGICAL AND MATERIALS ENGINEERING	DR. SWATI SHARMA	Additive manufacturing of High Etropy Alloys
PHYSICS	DR. RAHUL SINGHAL	Voltammetric Studies of Metal-Carbon based Nanocomposite for determination of Doping Steroids
PHYSICS	DR. RAHUL SINGHAL	Non Fullerene Acceptor Based Organic Solar Cell
PHYSICS	DR. RAHUL SINGHAL	Semitransparent Organic Solar Cell for Indoor Applications
PHYSICS	DR. RAHUL SINGHAL	Ion Irradiation Induced Modifications of Metal Nanoparticles

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

Table 6.

S. No.	Academic Department	Post Graduate Programme	Minimum Educational Qualification
1.	Chemical Engineering	Petrochemicals and Polymer Technology	B.E./B.Tech. degree in Engineering / AMIE in any discipline or a Master's degree (M.Sc.) in any discipline
2.	Chemical Engineering	Chemical Engineering and Sustainability	B.E./B.Tech. degree in Engineering / AMIE in any discipline or a Master's degree (M.Sc.) in any discipline
3.	Civil Engineering	Water Resource Engineering	B.E./B.Tech. in Agriculture Engg., Civil Engg., Irrigation Engg., Water Management, Civil Engg. & Planning, Civil Technology.
4.	Civil Engineering	Environmental Engineering	B.E./B.Tech. in Agriculture Engg., Biotech Engg., Biotechnology, Chemical Engg., Civil Engg., Civil Environmental, Computer Technology, Mechanical Engg., Biotechnology & Biochemical Engg., Chemical Technology, Civil Engg. & Planning, Civil Technology, Environmental & Pollution Control, Environmental Science & Engg./Technology.
5.	Civil Engineering	Transportation Engineering	B.E./B.Tech. in Civil Engg., Construction Engg., Construction Technology, Highway Engg., Transportation Engg., Transportation & Urban Planning , Civil Engineering & Planning, Civil Technology.
6.	Civil Engineering	Structural Engineering	B.E./B.Tech. in Building& Construction Tech., Civil Engg., Construction Engg., Construction Technology Structural Engg., Applied Mechanics, Civil Engg. & Planning, Civil Technology, Computer Aided Design of Structures.
7.	Electrical Engineering	Power Systems	B.E./B.Tech. in Electrical Engg.
8.	Electrical Engineering	Power Systems Management	B.E./B.Tech. in Electrical Engg.
9.	Electronics & Communication Engg.	Electronics and Comm. Engg.	B.E./B.Tech. in Electronics & Communication Engg. Electronics and Instrumentation Engg., Electronics and Telecom Engg, Electronics Engg ,Telecommunication Engg, Applied Electronics Telecommunication Engg, Communication Engg Computer and Communication Engg., Electronics and Computer Engg., Electronic and Electrical Communication Engg, Electronics Design Technology. Electronics Science and Engg. , Information & Comm. Technology.
10.	Electronics & Communicatio n Engineering	VLSI Design	B.E./B.Tech. in Electronics & Communication Engg. Electronics and Instrumentation Engg., Electronics and Telecom Engg, Electronics Engg ,Telecommunication Engg., Applied Electronics Telecommunication Engg, Communication Engg., Computer and Communication Engg., Electronics and Computer Engg., Electronic and Electrical Communication Engg, Electronics Design Technology. Electronics Science and Engg.,

			Information & Comm. Technology, VLSI System Design.
11.	**Mechanical Engineering**	**Industrial Engineering**	B.E./B.Tech. in Mechanical Engg., Industrial Engg., Industrial Engg. & Management, Industrial & Production Engg., Production & Industrial Engg., Production Engg., Production Engg. & Management.
12.	**Computer Science and Engineering**	**Computer Science and Engineering**	B.E./B.Tech. in Applied Electronics & Instrumentation Engg., Computer Engg., Computer Science, Computer Science &Engg., Computer Science & Information Technology, Computer Technology, Electrical & Electronics Engg., Electrical &Instrumentation, Electrical Engg., Electrical Engg. (Power), Electrical Power Engg., Electronics & Communication Engg., Electronics & Instrumentation Engg., Electronics & Telecom Engg., Electronics Engg., Information Technology, Power Electronics, Telecommunication Engg., Applied Electronics & Telecommunication Engg., Communication Engg., Computer & Communication Engg., Computer Engg. & Application, Computer Networking, Computer Science & System Engg., Computer Science & Technology, Computing in Computing, Computing in Multimedia, Computing in Software, Electrical Engg. & Industrial Control, Electrical & Instrumentation Engg., Electrical & Power Engg., Electrical Instrumentation & Control Engg., Electronics Instrumentation & Control Engg., Electronics & Computer Engg., Electronics & Control Systems, Electronics & Electrical Communication Engg., Electronics & Electrical Engg., Electronics & Information Systems, Electronics & Power Engg., Electronics & Telematics Engg., Electronics Communication & Instrumentation Engg., Electronics Design Technology, Electronics Instrument & Control, Electronics Science &Engg., Industrial Electronics, Information & Comm. Technology, Information Engg., Information Science, Information Science &Engg./Technology, Software Engg., VLSI System Design
13.	**Architecture and Planning**	**Urban Planning**	B.Arch., B.Plan., Bachelor in Town Planning, Bachelor in Transportation Planning ,Bachelor in Urban Planning, Bachelor in Town & Country Planning, B.E or B.Tech. in Civil Engineering, B.E or B.Tech. in Environmental Engineering, B.E or B.Tech. in Construction Engineering., B.E or B.Tech. in Construction Technology.
14.	**Centre for Energy & Environment**	**Renewable Energy**	B.E./B.Tech. in Architectural Engg., Architecture, Automobile, Biochemical, Biotech., Biotechnology, Chemical, Civil, Civil Environmental, Control & Electrical, Electrical & Electronics, Electrical & Instrumentation, Electrical, Electrical Engg. (Power), Electrical Power, Electro-chemical, Energy, Engineering Physics, Environmental, Industrial Manufacturing, Industrial & Production, Industrial, Industrial Engg. & Management, Industrial Metallurgy, Manufacturing Engg./Tech., Material Science &Engg./Tech., Mechanical Engg., Metallurgical & Materials, Metallurgical & Materials Tech., Metallurgical, Metallurgical Engg. & Material Science, Metallurgy, Power Electronics, Production & Industrial, Production, Production Engg. & Management, Renewable Energy, Chemical & Polymer, Civil Engg. & Planning, Electrical Engg. & Industrial Control, Electrical & Instrumentation, Electrical & Power, Electrical

			Science &Engg., Environmental Science &Engg./Tech., Material Science & Metallurgical, Mechanical & Automation, Mechanical Engg. Automobile, Power Control & Drives, Power, Solar & Alternate Energy, M. Sc in Applied Physics, Physics, Engineering Physics, Engineering Physics & Instrumentation, any other relevant specialization in B.E./B.Tech./M.Sc.
15.	**National Centre for Disaster Mitigation and Management**	**Earthquake Engineering**	B.E./B.Tech. in Civil Engineering, Structural Engineering, Civil Engineering and Planning, Civil Technology.
16.	**Metallurgical and Materials Engineering**	**Materials Engineering**	B.E./B.Tech. degree in Engineering / AMIE in any discipline or a Master's degree (M.Sc.) in any discipline

13. SEAT MATRIXAND OTHER DETAILS

Table 7. Duration of M. Tech./M.Plan./M.Sc. Programme

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

Table 8. Seat Matrix for M.Tech./M.Plan Programme (Session 2025-26)

S.No.	Programme	Full Time Sponsored	Part Time Sponsored
1.	Computer Science and Engineering	5	6
2.	Environmental Engineering	5	6
3.	Structural Engineering	5	6
4.	Transportation Engineering	5	6
5.	Water Resources Engineering	5	6
6.	Electronics & Communication Engineering	5	6
7.	Industrial Engineering	5	6
8.	Power Systems	5	6
9.	Power Systems Management	5	6
10.	Urban Planning	5	6
11.	VLSI Design	5	6
12.	Renewable Energy	5	6
13.	Earthquake Engineering	5	6
14.	Petrochemicals and Polymer Technology	5	6
15.	Chemical Engineering and Sustainability	5	6
16.	Materials Engineering	5	6

Table 9. Basis for Selection to Postgraduate Programmes leading to M. Tech./M.Plan. Degree for Full Time/Sponsored (Full-time and Part-time) candidates

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

14. GENERAL INFORMATION

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

(b) Admission to various PG programmes leading to M.Tech./M. Plan. degree would be based on a merit list prepared by the respective departments. The merit list will be made available on the website of the Institute. **No separate information will be sent to the candidates.**

(c) A student who is admitted and registered for a postgraduate programme at the Institute but leaves before completing or discontinued his/her studies, shall not be admitted to a programme at the same level.

(d) The institute reserves the right not to run any particular programme, if the number of students in that programme is less than the minimum number specified by the Institute at the time of admission.

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

(f) There is no age restriction for postgraduate programme.

(g) In matters of interpretation of the provisions or any matter not covered here in this information brochure, the decision of the Chairman, Senate shall be final and binding on both the parties.

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

Notes:

(1) The provisions for reservation of seats given above are subject to modification in accordance with any Government Order, if issued subsequently by the Government of India.

(2) It will entirely be the responsibility of the candidate to prove his/her eligibility in terms of minimum educational qualifications and for claiming reservation under a specific category, if any, at the time of submitting the application.

(3) The requisite certificate for SC/ST/OBC category must be submitted, along with application, in original, issued by a competent authority listed in Annexure 1, failing which the benefit of the reserved category will not be given. **The OBC/EWS certificate should have been issued after March 31, 2025.**

(4) PWD candidates should submit along with the application, the certificate, in original, from a Government medical board. Such a candidate may, however, be asked to appear before a Medical Board duly constituted by MNIT, Jaipur for this purpose. The Medical Board will decide the courses, which cannot be offered to a candidate, on the basis of the nature of his/her disability. The candidate will be offered admission out of the remaining courses as per the institute policy.

(5) The candidate should be ready with all original documents and PG dissertation thesis at the time of interview for Ph.D. admission.

15. FEES

(a). Updated Fees structure will be available on Institute website https://mnit.ac.in/academics/fee_structure

(b). The fee refund policy of the Institute is as under:-

Candidate admitted through Centralized admission Agencies /Institute and withdraw admission during UG/PG and Ph.D. programme

No.	Category	Amount to be refunded
1.	In case the candidate seeks to withdraw their admission at such point in time when no further allotment on that seat could be solicited through the designated Central Agency, the seat is liable to remain vacant permanently.	In such cases, withdrawal from the enrolled program shall be permitted with No Refund of fee.
2.	In case the candidate seeks to withdraw their admission after the final seat allotment but does not pay the balance fee as per the fee structure of the Institute.	
3.	In case the candidate seeks to withdraw their admission after the seat allotment and pays the balance fee as per the fee structure of the Institute but does not report at the Institute physically.	In such case, withdrawal from the enrolled program shall be permitted with refund of Caution Money only.
4.	In case the candidate seeks to withdraw their admission after the seat allotment, pay the balance fee as per the fee structure of the Institute and report at the Institute physically.	In such case, withdrawal from the enrolled program shall be permitted with refund of Caution Money only on submission of No Dues Certificate.
5.	In case the candidate, after the seat allotment, pays the balance fee as per the fee structure of the Institute and reports at the Institute physically but does not fulfill the eligibility criteria for admission.	Only Institute Caution Money will refunded. The fee paid by the student shall not be refunded.
6.	In case the student withdraws from the enrolled programme in midway (i.e. without its successful completion)	Only Institute Caution Money will refunded on submission of the No Dues Certificate. The fee paid by the student shall not be refunded.
7.	In case a student is not permitted to continue further due to non-fulfilment of CGPA requirement, but has paid the fee for the semester in which not permitted to continue further.	Caution Money and Semester fee paid will be refunded on submission of the No Dues Certificate.

16.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.

17.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.

18. 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 online application fee is Rs. 1000/- for General/OBC/EWS category and Rs. 500/- for SC/ST category candidates. "The application fee, once paid, is non-refundable under any circumstances."

c. The candidate must keep a photocopy of the application 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 originals documents, PG dissertation/thesis copy should be brought along with the Application Form while coming for admission process. Two recent passport size photographs should be brought. Application Form either incompletely filled or without attested copies of the certificates/testimonials is liable to be rejected.

g. Original Documents/ Self attested photocopies of the following certificates have to be brought along with the Application From 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.
viii. Caste/Category certificate (SC/ST/OBC/EWS/PWD whichever is applicable) in original. The OBC and EWS certificate must be issued on or after 01st April 2025.
ix. NOC (as per annexure v / vi) required at the time of interview from the employer in case of Part Time/Off Campus candidates.

h. In case the candidate is seeking admission as a sponsored candidate, he/she should submit a certificate from his/her present employer on official stationary with rubber stamp that he/she will be sponsored on deputation/study leave/extra ordinary leave with permission to attend the full time M.Tech. course if he/she is admitted. The employer should also indicate that the candidate will not be withdrawn midway till the completion of the course.

ANNEXURE I

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

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

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

ANNEXURE II

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

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

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

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

ANNEXURE III

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

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

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

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

ANNEXURE IV

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

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

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

We hereby Sponsor the candidature of Mr./Ms. ..... who is working in this organization for the last .....years and is presently holding the rank/position of ..... for joining his/her M. Tech. programme in ..... at your Institute as a Full Time candidate in the Department of .... with specialization in the following areas:
1.....
2.....
3.....

His/her conduct and character is good.

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

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

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

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

ANNEXURE V

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 4semesters 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 .....

ANNEXURE VI

NO OBJECTION CERTIFICATE

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

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

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

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

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

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

Annexure VII

FORMAT FOR OBC [NCL] CERTIFICATE

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

[This certificate MUST have been issued on or after 1st April 2025]

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)inthe _____ 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 _____ **Signature** _____
Date _____ **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.

Annexure VIII

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, 2025.

Place: Signature of the Candidate

Date:

Declaration/undertaking not signed by Candidate will be rejected

Annexure IX

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_____ **Signature_____**

Date_____ **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 satisfiedthat

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 satisfiedthat

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

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

Contd.

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

   In figures:_____%

   In words:_____percent

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

4. Reassessment of disability is:

   (i) Not Necessary **[or]**

   (ii) is recommended/after_____years_____months, and therefore this certificate shall be valid till (DD/MM/YY) _____.

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

   # - e.g. Single eye/both eyes

   £ - e.g. Left/Right/both ears

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

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

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 satisfiedthat

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

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

Contd.

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

   In figures:_____%

   In words:_____percent

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

4. Reassessment of disability is:

   (i) Not Necessary **[or]**

   (ii) is recommended/after_____years_____months, and therefore this certificate shall be valid till (DD/MM/YY) _____.

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

   # - e.g. Single eye/both eyes

   £ - e.g. Left/Right/both ears

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

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

Official Seal:

[Authorised Signatory of notified Medical Authority*]

Name: _____

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

Countersigned^

Official Seal:

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

Name: _____

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

DECLARATION FORM

Id. No.	
Programme:	**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 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 Dated:
Email Address
Mobile No.

ANNEXURE XII

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 2025

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.

ANNEXURE XIII

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	dpgc.aide@mnit.ac.in
18	CENTRE FOR RURAL DEVELOPMENT	dpgc.crd@mnit.ac.in