INFORMATION BROCHURE

DOCTOR OF PHILOSOPHY- Ph.D.

EVEN SEMESTER 2023-24

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

www.mnit.ac.in

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Web Site: www.mnit.ac.in

APPLICATION TO BE FILLED ONLINE
(For all categories except Visvesvaraya Ph.D. Scheme)

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

- Start Date of Online Application :- 17-10-2023
- Last Date of submission of Online Application form :- 03-11-2023 (till 5.00 PM)

Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by **21-11-2023.**

- Dates of written test &Interview of the Shortlisted candidates :-11-12 December 2023
- Final Result :-18-12-2023

APPLICATION TO BE FILLED ONLINE
For Visvesvaraya Ph.D. Scheme

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

- Start Date of Online Application :- 17-10-2023
- Last Date of submission of Online Application form :- 03-11-2023 (till 5.00 PM)

Provisional list of shortlisted/eligible candidates for written test/interview will be displayed on Institute website by **09-11-2023.**

- Dates of written test &Interview of the shortlisted candidates:-20-11-2023
- Final Result :- 22-11-2023

NOTE :-

- *The Ph.D. entrance written test is exempted for the students who have cleared the National Level Examination viz; UGC NET JRF/CSIR JRF/DST Inspire (with scholarship) and can sustain their Ph.D.from external scholarship/assistantship. However, such candidates will be required to appear for the interview if shortlisted.*

- *No separate interview letter will be issued, the mode of written test and interview will be offline and the detailed schedule will be displayed on the institute website, at least one week before the examination.*

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

ADMISSION CATEGORIES(Ph.D.)

FULL TIME

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

PART TIME

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

Off Campus

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

1. INTRODUCTION

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

The Institute offers undergraduate, postgraduate and research programmes through its Departments. The Institute admits on an average about 900 students for undergraduate (B.Tech./B.Arch.)

programmes and about 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 in PG Rules & Regulations 2.4 (6&7) as follows:-**

a. The selected candidate, who has completed all the examinations including project/thesis examination and the viva voce before the date of registration but is unable to produce the certificate in proof of having passed and secured the minimum specified qualifying marks, may be considered for provisional admission. However, if admitted provisionally, they will be required to produce the evidence of their having passed (or at least appeared in) the qualifying degree examination by the last date of registration, failing which the admission may be cancelled.

b. The provisions in para 6 above shall not be applicable in the case of M.Tech. /M.Plan./MBA student of this institute, who has been provisionally selected for admission to a Ph.D. programme. Such students will be admitted to the Ph.D. Programme subject to the condition that they must have successfully completed all the prescribed requirements including acceptance of their Thesis/Project in a particular semester by the last registration date as specified in the academic calendar.

ii. The "specified minimum" CGPA/marks implies a minimum of 6.5 on the 10 point scale (60% marks, only where CGPA is not awarded) for Ph.D. with a relaxation for SC/ST/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).

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

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

Departmental screening of candidates under "Visvesvaraya Ph.D. Scheme for Electronics and IT: Phase-II of MietY", Govt. of India (details of fellowship given in Section 8 (viii)) would additionally consist of following components- (a) Throughout excellent academic credentials (CGPA more than 6.5, class X through postgraduate) and (b) should be in the top 25% of the qualified candidates after screening i.e. in the written test conducted (offline) and/or other criterion applied by Department. Additionally, candidates having publications in reputed Journal/ conference would be given due consideration in selection process.

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 and together 50% (with 30% weightage of Part-A and 70% weightage of Part-B) 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 DOCTOR OF PHILOSOPHY

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

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

4.3.2 Ph.D. IN HUMANITIES & SOCIAL SCIENCES

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

4.3.3 Ph.D. IN MANAGEMENT

The applicant must have a two-year post-graduate degree or equivalent from recognized institute/University with CGPA not below 6.5 on a ten-point scale or 60% marks (where CGPA is not awarded)

4.3.4 Ph.D. IN SCIENCES (PHYSICS/CHEMISTRY/MATHEMATICS)

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

5. Ph.D. ADMISSION CATEGORIES

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

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

(1) Only candidates working in following organizations shall be considered:-
   a. Government organizations/laboratories,
   b. PSUs, and
   c. Reputed companies i.e. Companies having annual turnover of Rs. 100 Crores or more.

(2) Candidate should have following educational qualification and experience.
   a. Post Graduate Degree with at least 12 years professional experience.
   b. B.Tech. Degree with at least 15 years professional experience.

(3) Candidates should have demonstrated research potential through research papers in reputed journals/conferences or patents or technology transfer/deployed.

(4) The course credit requirement would be as per the current practice for Part-Time candidates.

(5) The minimum residency requirements for such candidates will be one semester.

(6) All other conditions shall be as per the PG rules and regulations of MNIT Jaipur.

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

(1) The candidate will be required to make a research proposal presentation to the DFB. Thereafter, the Chairman of the Departmental Selection Committee (DSC) will send the DFB's recommendation to the Office of Dean Academic (ODA).

(2) The following committee will conduct the interview of the candidate

a. Dean (Academic) Chairperson
b. Dean (Research and Consultancy) Member
c. Head of the Department Member

(3) The recommendation of the above committee will be approved by the Chairman, Senate for the selection of the candidate.

6. ADMISSION OF SPONSORED CANDIDATES

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

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

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

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

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

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

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

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

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

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

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

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

8. 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:

c) 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 incase of M.Plan. the credits to be attained in 3rd and 4th Semester will be 16 and 14 credits respectively and can additionally register for more courses equivalent to 09 credits of Ph.D Programme. The maximum credit to be registered in any semester is as per current guidelines. This credit can be attained as follows.

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

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

b) The candidate must register for sufficient credits in 3rd and 4th semesters, to fulfill the minimum credit requirement for the award of M.Tech./M.Plan. degree, in case the student quits the program with an M.Tech. degree alone.
c) Comprehensive Exam is to be conducted by the end of the 7th semester, as per current PhD regulations.
d) The nomination of supervisor for the candidate registering for MPDD program will be done afresh, during the time of departmental interview. The supervisor may be different 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 PhD works, the student concerned will be awarded the MPDD together. The M.Tech./M.Plan. degree will be retroactive from the date of the completion of his/her fulfillment of minimum credit requirement for relevant M.Tech./M.Plan program/Comprehensive Examination.
b) If the candidate intends to leave the program any time after four semesters or is unsuccessful in the Comprehensive Exam, then the candidate will be entitled to only an M.Tech./M.Plan. degree.
c) The scholar would not be allowed to appear for M.Tech./M.Plan. placements or internships upto his/her Comprehensive Examination, once admitted into the MPDD program.

9. FINANCIAL ASSISTANCE

i. The Institute may provide financial assistance to postgraduate students in the form of teaching and research assistantships (referred to as Institute Assistantship). Assistantships are awarded on a semester to semester basis for a period of up to four semesters for M.Tech./M.Plan. students and up to ten semesters for Ph.D. students. The stipend for the assistantship is paid at the approved rates as notified by Ministry of Education from time to time. At present a sum of Rs. 31000 + 16% HRA for first two years and Rs. 35000 + 16% HRA for next three years is being given as institute assistantship. A student is expected to devote about eight hours per week towards job(s) assigned to him/her by the department/institute. The renewal of assistantship is contingent on the student's satisfactory performance in the academic programme and in the satisfactory discharge of assistantship duties as assigned to him by the department/institute.

ii. **GATE score will be mandatory for admission to Ph.D. program (with Institute Assistantship) in Engineering and Sciences. The GATE score should have been acquired either within past three years or the candidate should have completed respective Master's degree with a valid GATE score.**

iii. **For admission to Ph.D. program with Institute Assistantship in the Departments of Management Studies, UGC/CSIR NET shall be mandatory.**

iv. **For admission to Ph.D. program with Institute Assistantship in the Humanities & Social Sciences, GATE/ UGC NET/CSIR NET shall be mandatory. The GATE score should have been acquired either within past three years or the candidate should have completed respective Master's degree with a valid GATE score.**

v. Some financial assistantships in the form of research assistantships is also available from sponsored research projects. Additional assistantships in the form of scholarships, fellowships, etc. may be available through other organizations, such as, the Council of Scientific and Industrial Research (CSIR)/ University Grant Commission (UGC) / Department of Atomic Energy (DAE)/ DST/ Ministry of Education/ Corporate Houses etc.

vi. The candidates applying for institute assistantship are required to submit the undertaking at the time of admission in the prescribed Performa given in Annexure-XI.

vii. **Visvesvaraya Ph.D. Scheme for Electronics and IT : Phase II (MietY, Govt. of India)**

In addition to institute assistantship, a total of 05 fellowships for Full-Time 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 2nd year) and @Rs. 43,750/- per month for 3rd, 4th and 5th year of Ph.D. (support till Ph.D. completion or 05 years whichever is earlier).

b) Reimbursement of Rent (RoR) : This component is linked with the fellowship of Ph.D. candidate. The rate of RoR is 16%.

c) Support for attending International Conference: Support upto Rs.1.5 Lakhs/Full-time Ph.D. candidate

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 interdisciplinary 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 disciplines M.E./M.Tech./M.S. in CSE/IT/ECE/EE or equivalent disciplines
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.E./B.Tech. degree in Metallurgical Engineering/ Materials Engineering/ Mechanical Engineering/ Materials Science and Engineering/ Metallurgical and Materials Engineering/Chemical Engineering/Ceramic Engineering/Manufacturing Engineering/ Production Engineering/ Materials Science/Forge and Foundry with M.E./M.Tech degree in Metallurgical Engineering/Materials Science/Ceramic Engineering/ Thermal Engineering/Polymer Engineering/Plastic Engineering/ Polymer Science and Engineering/Metallurgy and Materials Science/Materials Engineering/ Design/ Machine Design/Production/Foundry/ Industrial Metallurgy/ Welding Technology/ Manufacturing/ Process Metallurgy/Process Engineering/ Corrosion Engineering/ Nano Technology/Steel Technology/Mineral Processing/ Alloy Technology/ Extractive Metallurgy/ Composites/ Powder Metallurgy.
Physics	The applicant must have a Master's degree in following areas: M.Sc. in Physics/Applied Physics/Engineering Physics/allied areas of Physics/interdisciplinary areas in physical sciences M. Tech or equivalent degree in Materials Science / Solid State Physics/ Engineering Physics / Polymer Science / Nanoscience and Nanotechnology/ Energy Science /Technology/ Computational Techniques in Physics
Centre for Energy and Environment	1) B.Tech./B.E./B.Arch/MSc. With M.Tech in a relevant discipline. 2) B. Tech. students graduating from CFTI and other institutions whose NIRF ranking is up to 100, with a CGPA of 8.0 or above in the relevant disciplines and a valid GATE score. 3) M.Sc. in Physics/Chemistry/Biotechnology/Renewable Energy/Sustainable Development with JRF (Funding from CSIR/UGC/ICMR).
National Centre for Disaster Mitigation and Management	Bachelor's degree in Civil Engineering/Architecture Master's degree in Structural engineering/Earthquake Engineering or any other branch of civil/architectural Engineering
Management Studies	The applicant must have a two-year post-graduate degree or equivalent from recognized institute/University.
Materials Research Centre	The applicant must have a Master's degree in Engineering/Technology/ Science subject Other Qualifications: 1. M.Tech/ME 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.

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.

FULL TIME WITH INSTITUTE ASSISTANTSHIP		
Department/Centres	**Tentative Research Area of proposed Ph.D.**	**Faculty member Name**
ARCHITECTURE AND PLANNING	Planning for the built vernacular heritage	Dr. POOJA NIGAM
ARCHITECTURE AND PLANNING	Planning and growth management of urban areas	Dr. POOJA NIGAM
ARCHITECTURE AND PLANNING	MEGA INFRASTRUCTURE PROJECTS AND THEIR IMPACT ON THE REGION	Dr. TARUSH CHANDRA
ARCHITECTURE AND PLANNING	RETROFITTING BUILDINGS FOR RESILIENCE AND ENERGY EFFICIENY	Dr. TARUSH CHANDRA
ARCHITECTURE AND PLANNING	Housing	Dr. RINA SURANA
ARCHITECTURE AND PLANNING	Urban Environment and ecology	Dr. RINA SURANA
ARCHITECTURE AND PLANNING	Planning for Disaster Resilience	Dr. YASH KUMAR MITTAL
ARCHITECTURE AND PLANNING	Construction Management & Transport planning	Dr. YASH KUMAR MITTAL
ARCHITECTURE AND PLANNING	Sustainable Practices for built environment	Dr. BHAVNA SHRIVASTAVA
ARCHITECTURE AND PLANNING	Sustainable housing practices	Dr. BHAVNA SHRIVASTAVA
ARCHITECTURE AND PLANNING	Planning for sustainable urban development including transportation	Dr. NAND KUMAR
ARCHITECTURE AND PLANNING	Planning for energy efficiency and management	Dr. NAND KUMAR
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to Bioenergy	Dr. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to high value products and energy	Dr. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	LiB thermal management	Dr. ANEESH PRABHAKAR
CENTRE FOR ENERGY AND ENVIRONMENT	Renewable energy	Dr. ANEESH PRABHAKAR
CENTRE FOR ENERGY AND ENVIRONMENT	Performance and degradation of solar PV	Dr. SUNANDA SINHA
CENTRE FOR ENERGY AND ENVIRONMENT	Carbon neutrality through renewable energy	Dr. SUNANDA SINHA
CENTRE FOR ENERGY AND ENVIRONMENT	Building-integrated photovoltaic/thermal system	Dr. AMARTYA CHOWDHURY
CENTRE FOR ENERGY AND ENVIRONMENT	Performance assessment of different Photovoltaic Technologies using machine learning	Dr. AMARTYA CHOWDHURY
CENTRE FOR ENERGY AND ENVIRONMENT	Smart Electric Vehicle charging	Dr. PARUL MATHURIA
CENTRE FOR ENERGY AND ENVIRONMENT	Demand side management	Dr. PARUL MATHURIA
CENTRE FOR ENERGY AND ENVIRONMENT	Power System Operation	Dr. ROHIT BHAKAR
CENTRE FOR ENERGY AND	Smart Grids	Dr. ROHIT BHAKAR

ENVIRONMENT		
CHEMICAL ENGINEERING	Development of high-performing fuel cell components: experimental and simulation approach.	Dr. HRUSHIKESH MADHUSUDAN GADE
CHEMICAL ENGINEERING	Molecular dynamics investigations for solvent-mediated self-assembly of biopolymers for novel materials development.	Dr. HRUSHIKESH MADHUSUDAN GADE
CHEMICAL ENGINEERING	Anaerobic Membrane Bioreactor for the Treatment of Dye-contaminated Wastewater	Dr. MD. OAYES MIDDA
CHEMICAL ENGINEERING	Antifouling Performance of Membrane in a Membrane Bioreactor for Wastewater Treatment	Dr. MD. OAYES MIDDA
CHEMICAL ENGINEERING	Machine Learning in Catalysis	Dr. SUBBARAMAIAH V
CHEMICAL ENGINEERING	Advanced Oxidation of Industrial Wastewater	Dr. SUBBARAMAIAH V
CHEMICAL ENGINEERING	Machine Learning-Enabled Rapid Identification Technique for Microplastics from Water	Dr. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Novel Catalytic Up-Conversion of Biomass to Industrially Important Chemical: Application in Surgical Implants	Dr. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Synthesis and application of waste derived biochar for water treatment	Dr. MADHU AGARWAL
CHEMICAL ENGINEERING	Development of value added products from natural and industrial waste materials	Dr. MADHU AGARWAL
CHEMICAL ENGINEERING	Utilization of biomass for production of energy and value added products	Dr. MANISH VASHISHTHA
CHEMICAL ENGINEERING	Waste water treatment using advanced oxidation processes	Dr. MANISH VASHISHTHA
CHEMICAL ENGINEERING	Synthesis and Application of Biocharnano-composites for the Removal of Textile Dyes	Dr. DIPALOY DATTA
CHEMICAL ENGINEERING	Utilization of Marble Waste to Produce Value Added Products	Dr. DIPALOY DATTA
CHEMICAL ENGINEERING	Water defluoridation using advanced nanomaterials developed by various process intensified techniques	Dr. SUJA GEORGE
CHEMICAL ENGINEERING	Wastewater treatment by advanced and hybrid tertiary processes	Dr. SUJA GEORGE
CHEMICAL ENGINEERING	Green Routes for CO2 Conversion into Fuels	Dr. LOVJEET SINGH
CHEMICAL ENGINEERING	Biomass Conversion to Green Hydrogen	Dr. LOVJEET SINGH
CHEMICAL ENGINEERING	Wastewater treatment using sustainable methods	Dr. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Modeling& Simulation of Chemical Engg. system	Dr. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Waste Water Treatment by Advance Oxidation Process	Dr. SHIV OM MEENA
CHEMICAL ENGINEERING	Synthesis of Novel Materials for Environmental Application	Dr. SHIV OM MEENA

CHEMICAL ENGINEERING	Reactive distillation in microchannels	Dr. U. K. ARUN KUMAR
CHEMICAL ENGINEERING	Carbon dioxide capture and utilization for value added product	Dr. U. K. ARUN KUMAR
CHEMICAL ENGINEERING	Development of material for biogas and hydrocarbon fuelled SOFC	Dr. NEETU KUMARI
CHEMICAL ENGINEERING	Evaluation of battery materials by experimental and modelling tools	Dr. NEETU KUMARI
CHEMICAL ENGINEERING	Catalytic conversion of CO2 containing synthesis gas into liquid fuel	Dr. SONAL
CHEMICAL ENGINEERING	Hydrogen generation via catalytic reforming of natural gas	Dr. SONAL
CHEMICAL ENGINEERING	Synthesis and application of nanomaterials for electronic devices	Dr. SURAJIT GHOSH
CHEMICAL ENGINEERING	Waste to fuel using microwave irradiation	Dr. SURAJIT GHOSH
CHEMICAL ENGINEERING	Treatment of industrial and household waste by supported ionic membrane	Dr. RAJEEV KUMAR DOHARE
CHEMICAL ENGINEERING	Machine learning based prediction model of reactive divided wall distillation column	Dr. RAJEEV KUMAR DOHARE
CHEMICAL ENGINEERING	Application of machine learning in chemical engineering	Dr. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Co-pyrolysis of plastic/biomass waste to valuable chemicals	Dr. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Solar light driven photocatalytic oxidation of organic compounds	Dr. VIRENDRA KUAMR SAHARAN
CHEMICAL ENGINEERING	Development of adsorbent and adsorption study for water treatment	Dr. VIRENDRA KUAMR SAHARAN
CHEMISTRY	Matrix isolation IR Spectroscopic investigation of chalcogencentered hydrogen bonds	Dr. BIMAN BANDYOPADHYAY
CHEMISTRY	biosourced nanomaterials synthesis and their catalytic applications	Dr. MANVIRI RANI
CHEMISTRY	Photocatalysts for waste water remediation	Dr. MANVIRI RANI
CHEMISTRY	Structure-Activity-Relationship using Density-Functional-Theory Calculations and Molecular Dynamics	Dr. ABBAS RAJA NAZIRUDDIN
CHEMISTRY	Inorganic and Organometallic Complexes For Solar Cells	Dr. ABBAS RAJA NAZIRUDDIN
CHEMISTRY	Iron Nanoparticles for Carbon Di-oxide Reduction Applications	Dr. SUMIT KUMAR SONKAR
CHEMISTRY	Steel Industries Derived Materials for Multiple Applications	Dr. SUMIT KUMAR SONKAR
CHEMISTRY	Layered materials for energy and environmental applications	Dr. SUMANTA KUMAR MEHER
CHEMISTRY	Nanomaterials for sustainable energy and environmental applications	Dr. SUMANTA KUMAR MEHER
CHEMISTRY	Green nanomaterials incorporated hydrogel/aerogels for agricultural applications;	Dr. RAGINI GUPTA

CHEMISTRY	Metal/covalent organic frameworks for environmental applications	Dr. RAGINI GUPTA
CIVIL ENGINEERING	Waste material utilization in diverse structural elements	Dr. P V RAMANA
CIVIL ENGINEERING	Recycled waste material as a replacement in Cement production	Dr. P V RAMANA
CIVIL ENGINEERING	Machine learning applications in Water Sector	Dr. HIMANSHU ARORA
CIVIL ENGINEERING	Climate change assessment and modelling in Water Resources Engg.	Dr. HIMANSHU ARORA
CIVIL ENGINEERING	Waste treatment with Advanced Oxidation Process	Dr. URMILA BRIGHU
CIVIL ENGINEERING	Application of Physico Chemical Processes for water treatment	Dr. URMILA BRIGHU
CIVIL ENGINEERING	Performance evaluation of buildings situated in hilly slope	Dr. ANOOP IRANNA SHIRKOL
CIVIL ENGINEERING	Performance evaluation of traditional buildings	Dr. ANOOP IRANNA SHIRKOL
CIVIL ENGINEERING	Environmental risk assessment	Dr. AMIT KUMAR
CIVIL ENGINEERING	Solid waste management	Dr. AMIT KUMAR
CIVIL ENGINEERING	Remote sensing applications for climate change studies	Dr. SUMIT KHANDELWAL
CIVIL ENGINEERING	Urban heat island analysis due to air pollution	Dr. SUMIT KHANDELWAL
CIVIL ENGINEERING	Electrical vehicle's impact on climate change and air quality	Dr. RUCHI SHARMA
CIVIL ENGINEERING	Air pollution measurement and control	Dr. RUCHI SHARMA
CIVIL ENGINEERING	Management of Urban Stormwater Runoff Quality	Dr. AJAY SINGH JETHOO
CIVIL ENGINEERING	Management of conveyance and distribution of irrigation water	Dr. AJAY SINGH JETHOO
CIVIL ENGINEERING	Air and Noise pollution and Health impacts	Dr. NIVEDITA KAUL
CIVIL ENGINEERING	Solid waste management	Dr. NIVEDITA KAUL
CIVIL ENGINEERING	Utilization of Industrial/Mining Waste in Concrete	Dr. VINAY AGRAWAL
CIVIL ENGINEERING	Use of Artificial Intelligence in Structural Engineering	Dr. VINAY AGRAWAL
CIVIL ENGINEERING	Soil stabilization using waste materials.	Dr. SURESH KUMAR TIWARI
CIVIL ENGINEERING	Behaviour of randomly distributed natural fibre reinforced soil	Dr. SURESH KUMAR TIWARI
CIVIL ENGINEERING	Flow and Sediment Transport in Rivers	Dr. MANOJ KUMAR DIWAKAR
CIVIL ENGINEERING	Water Sensitivity of Jaipur City	Dr. MANOJ KUMAR DIWAKAR

CIVIL ENGINEERING	Machine learning application in Environmental Engineering	Dr. SUDHIR KUMAR
CIVIL ENGINEERING	Human health risk assessment due to air pollution	Dr. SUDHIR KUMAR
CIVIL ENGINEERING	Properties of Steel slag concrete under elevated temperature	Dr. R. C. GUPTA
CIVIL ENGINEERING	Properties of Steel slag concrete under Acids	Dr. R. C. GUPTA
COMPUTER SCIENCE AND ENGINEERING	Security, Privacy and trust for 5G and beyond networks	Dr. RAMESH BABU BATTULA
COMPUTER SCIENCE AND ENGINEERING	Post Quantum Cryptography for federated learning in 6G	Dr. RAMESH BABU BATTULA
COMPUTER SCIENCE AND ENGINEERING	GPT models for malware analysis	Dr. VIJAY LAXMI
COMPUTER SCIENCE AND ENGINEERING	AI for hardening virtualization security	Dr. VIJAY LAXMI
COMPUTER SCIENCE AND ENGINEERING	Machine learning models for pattern recognition in modern real world applications.	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Nature Inspired Optimization algorithms and its applications in smart farming	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Vision Transformer for Modern Computer Vision Tasks	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Deep Learning for Object Detection in Aerial Images and Videos	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Continual Machine Learning	Dr. SATYANDRA SINGH CHOUHAN
COMPUTER SCIENCE AND ENGINEERING	Federated Machine Learning	Dr. SATYANDRA SINGH CHOUHAN
COMPUTER SCIENCE AND ENGINEERING	Securing Advanced Network using Machine Learning	Dr. MEENAKSHI TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Blockchain Vulnerabilities and security	Dr. MEENAKSHI TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Smart Agriculture using Deep Learning and IoT	Dr. ASHISH KUMAR TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Nature inspired Algorithms for Data Analytics	Dr. ASHISH KUMAR TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Machine learning based solutions for network security	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Federated Learning for IoT applications	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Machine/Deep Learning with Graphs	Dr. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Social Network Analysis using Graph Neural Networks (GNNs)	Dr. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Enhancing software defect prediction using machine learning techniques.	Dr. GIRDHARI SINGH
COMPUTER SCIENCE AND ENGINEERING	Improvising regressing testing using machine learning techniques.	Dr. GIRDHARI SINGH
COMPUTER SCIENCE AND ENGINEERING	AI-Powered Health and Well-being Support.	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND ENGINEERING	AI based Conversational Interfaces	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND	Machine Learning for Cyber Security	Dr. SMITA NAVAL

ENGINEERING		
COMPUTER SCIENCE AND ENGINEERING	Vulnerabilty analysis for Blockchain and smart-contracts	Dr. SMITA NAVAL
COMPUTER SCIENCE AND ENGINEERING	Blockchain Transaction Processing	Dr. DINESH GOPALANI
COMPUTER SCIENCE AND ENGINEERING	Storyline Generation from News Articles	Dr. DINESH GOPALANI
COMPUTER SCIENCE AND ENGINEERING	Machine Learning	Dr. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Natural Language Processing	Dr. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Collaborative (Federated)Learning Applications	Dr. DINESH KUMAR TYAGI
COMPUTER SCIENCE AND ENGINEERING	Blockchain and ML based solutions for Security and Privacy	Dr. DINESH KUMAR TYAGI
COMPUTER SCIENCE AND ENGINEERING	Behavioral Analyses of Actors in IoT and IoV	Dr. ARKA PROKASH MAZUMDAR
COMPUTER SCIENCE AND ENGINEERING	Learning based task management Software-defined and Mobile WSN	Dr. ARKA PROKASH MAZUMDAR
COMPUTER SCIENCE AND ENGINEERING	Security / Forensics in Dark Web and Tor	Dr. PILLI EMMANUEL SHUBHAKAR
COMPUTER SCIENCE AND ENGINEERING	Quantum Machine Learning	Dr. PILLI EMMANUEL SHUBHAKAR
COMPUTER SCIENCE AND ENGINEERING	Generative AI	Dr.Mushtaq Ahmed
COMPUTER SCIENCE AND ENGINEERING	AI based deceise detection	Dr.Mushtaq Ahmed
ELECTRICAL ENGINEERING	Electrical Vehicles Integration to Grid and its Power Quality Improvement	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Power Quality Improvement in AC-DC Converters	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Control Applications to Power Electronic Converters	Dr. MAN MOHAN GARG
ELECTRICAL ENGINEERING	Energy Storage Management and Integration of Electric Vehicle to Microgrid	Dr. MAN MOHAN GARG
ELECTRICAL ENGINEERING	State estimation of Modern distribution system/Microgrid	Dr. AKHILESH MATHUR
ELECTRICAL ENGINEERING	AI application to active distribution network	Dr. AKHILESH MATHUR
ELECTRICAL ENGINEERING	Smart Grid	Dr. ANIL SWARNKAR
ELECTRICAL ENGINEERING	Electric Vehicles	Dr. ANIL SWARNKAR
ELECTRICAL ENGINEERING	Smart Grid	Dr. NIKHIL GUPTA
ELECTRICAL ENGINEERING	Electric Vehicles	Dr. NIKHIL GUPTA
ELECTRICAL ENGINEERING	Power Systems Dynamics and operation control	Dr. MANOJ FOZDAR
ELECTRICAL ENGINEERING	Power system economics in modern systems	Dr. MANOJ FOZDAR
ELECTRICAL ENGINEERING	Machine Intelligence for healthcare and Robotics	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Automation and cybersecurity for power Industry	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Power System Operation	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Smart Grids	Dr. ROHIT BHAKAR

ELECTRICAL ENGINEERING	Smartgrid enabling technologies for distribution system optimization	Dr. KHALEEQUR REHMAN NIAZI
ELECTRICAL ENGINEERING	Operation, control and performance optimization of power systems	Dr. KHALEEQUR REHMAN NIAZI
ELECTRICAL ENGINEERING	Applications of AI in Fuel Cell, EVs and Smart Grid	Dr. RAVITA LAMBA
ELECTRICAL ENGINEERING	Energy storage options for electric vehicles and battery thermal management	Dr. RAVITA LAMBA
ELECTRICAL ENGINEERING	Advanced Distribution Management System	Dr. DIPTI SAXENA
ELECTRICAL ENGINEERING	Networked Microgrids	Dr. DIPTI SAXENA
ELECTRICAL ENGINEERING	Cyber Security of Power system	Dr. SATISH SHARMA
ELECTRICAL ENGINEERING	Analysis and Optimization of Renewable Sources in Smart Grid	Dr. SATISH SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	MEMS	Dr. TARUN VARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Signal processing	Dr. TARUN VARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	MULTIBAND/WIDEBAND ANTENNA FOR WIRELESS APPLICATIONS	Dr. SARTHAK SINGHAL
ELECTRONICS AND COMMUNICATION ENGINEERING	MULTIBAND/WIDEBAND METASURFACES	Dr. SARTHAK SINGHAL
ELECTRONICS AND COMMUNICATION ENGINEERING	Estimation of Electromagnetic properties of Materials	Dr. RAJENDRA MITHARWAL
ELECTRONICS AND COMMUNICATION ENGINEERING	AI/ML in healthcare	Dr. AMIT MAHESH JOSHI
ELECTRONICS AND COMMUNICATION ENGINEERING	Biomedical signal processing	Dr. AMIT MAHESH JOSHI
ELECTRONICS AND COMMUNICATION ENGINEERING	RF and Wireless Communication	Dr. R. P. YADAV
ELECTRONICS AND COMMUNICATION ENGINEERING	Antennas	Dr. R. P. YADAV
ELECTRONICS AND COMMUNICATION ENGINEERING	Analog and Digital VLSI Design	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Nano Electronics Device Modelling & Simulation	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Artificial Intelligence Techniques for Seismic Signal Processing	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	Multi and Many Objective Data Clustering	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	Microelectronic devices and sensors	Dr. DEEPAK BHARTI
ELECTRONICS AND COMMUNICATION ENGINEERING	Cognitive Radio & 5G/6G Communication	Dr. ILA SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Multirate signal processing with application in Biomedical field	Dr. ILA SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Optical Wireless Communication	Dr. RAVI KUMAR MADDILA
ELECTRONICS AND COMMUNICATION ENGINEERING	Development of VoIP client applications	Dr. RAVI KUMAR MADDILA
ELECTRONICS AND COMMUNICATION ENGINEERING	Flexible Electronics	Dr. RITU SHARMA

ELECTRONICS AND COMMUNICATION ENGINEERING	Design and Development of Shared Aperture Phase Array Antenna for C/Ku band	Dr. RITU SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	AI based health care applications	Dr. KULDEEP SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Deep Learning for computer vision	Dr. KULDEEP SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Image processing	Dr. KAMALESH KUMAR SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Antenna design for 5G applications	Dr. KAMALESH KUMAR SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Simulation and Modeling of Nanoelectronics Device	Dr. RAJESH SAHA
ELECTRONICS AND COMMUNICATION ENGINEERING	Tunnel FET and its applications	Dr. RAJESH SAHA
ELECTRONICS AND COMMUNICATION ENGINEERING	Emerging Nano devices for digital application	Dr. MENKA
ELECTRONICS AND COMMUNICATION ENGINEERING	Biosensor simulation, modeling and prototype development	Dr. MENKA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of Antenna for 5G or higher communication	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of frequency selective surface, absorber, rasorber surfaces	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Security in Unmanned Aerial systems	Dr. LAVA BHARGAVA
ELECTRONICS AND COMMUNICATION ENGINEERING	Application of AI and Machine Learning in IoT systems	Dr. LAVA BHARGAVA
HUMANITIES AND SOCIAL SCIENCE	Contemporary Indian Literature	Dr. NIRAJA SARASWAT
HUMANITIES AND SOCIAL SCIENCE	Gender Studies	Dr. NIRAJA SARASWAT
HUMANITIES AND SOCIAL SCIENCE	Applied Microeconomics and Macroeconomics	Dr. NIDHI SHARMA
HUMANITIES AND SOCIAL SCIENCE	Behavioural and Experimental Economics- Happiness and Well-being Economics	Dr. NIDHI SHARMA
HUMANITIES AND SOCIAL SCIENCE	Development Economics	Dr. MANJU SINGH
HUMANITIES AND SOCIAL SCIENCE	Technology Diffusion	Dr. MANJU SINGH
HUMANITIES AND SOCIAL SCIENCE	Contemporary Trends in Literary Studies	Dr. PREETI BHATT
HUMANITIES AND SOCIAL SCIENCE	Ecocritical Concerns in Literature	Dr. PREETI BHATT
HUMANITIES AND SOCIAL SCIENCE	Digital Sociology: Inequalities and marginalisation	Dr. NIDHI BANSAL
HUMANITIES AND SOCIAL SCIENCE	Sociology of Gender	Dr. NIDHI BANSAL
MANAGEMENT STUDIES	Business Sustainability Strategies, Innovations, and Impact Assessment	Dr. RITIKA MAHAJAN
MANAGEMENT STUDIES	Adoption and integration of Artificial Intelligence in Management Education	Dr. RITIKA MAHAJAN
MANAGEMENT STUDIES	Online/Digital Marketing	Dr. DEEPAK VERMA
MANAGEMENT STUDIES	Technology Adoption Behavior	Dr. DEEPAK VERMA

MANAGEMENT STUDIES	Corporate Finance	Dr. SHWETA SHARMA
MANAGEMENT STUDIES	Sustainable Finance	Dr. SHWETA SHARMA
MANAGEMENT STUDIES	Sustainable Supply Chain Management	Dr. MONICA SHARMA
MANAGEMENT STUDIES	Women Entrepreneurship	Dr. MONICA SHARMA
MANAGEMENT STUDIES	Corporate Finance	Dr. SHRIDEV
MANAGEMENT STUDIES	Behavioural Finance	Dr. SHRIDEV
MANAGEMENT STUDIES	Consumer Behavior	Dr. DIVESH KUMAR
MANAGEMENT STUDIES	Employee Engagement	Dr. REETA SINGH
MANAGEMENT STUDIES	Leadership and Management	Dr. REETA SINGH
MATERIAL RESEARCH CENTER	Nano Composites for cutting tool application	Dr. NISHA VERMA
MATERIAL RESEARCH CENTER	2D MXene for battery material	Dr. NISHA VERMA
MATERIAL RESEARCH CENTER	Development of hybrid nanomaterials as artificial enzymes	Dr. BHAGWATI SHARMA
MATERIAL RESEARCH CENTER	Development of supramolecular metallogels for electronic applications	Dr. BHAGWATI SHARMA
MATHEMATICS	Mathematical modeling of dynamical systems	Dr. RITU AGARWAL
MATHEMATICS	Partial differential equations of arbitrary order	Dr. RITU AGARWAL
MATHEMATICS	A study of multi-valued maps on metric spaces	Dr. VARUN JINDAL
MATHEMATICS	Function Spaces	Dr. VARUN JINDAL
MATHEMATICS	Study of Generalized Special function and its applications	Dr. SANJAY BHATTER
MATHEMATICS	Application of fractional calculus and special functions in Mathematical modeling	Dr. SANJAY BHATTER
MATHEMATICS	Machine Learning for Computational Fluid Dynamics	Dr. SANTOSH CHAUDHARY
MATHEMATICS	Liquid Neural Networks	Dr. SANTOSH CHAUDHARY
MATHEMATICS	Generalized metric spaces and its applications	Dr. ANUBHA JINDAL
MATHEMATICS	Hyperspace topologies and its applications	Dr. ANUBHA JINDAL
MECHANICAL ENGINEERING	Laser welding of dissimilar materials	Dr. TAPAS BAJPAI
MECHANICAL ENGINEERING	Continuum Damage Mechanics: Phase field Modelling and Analysis of fracture in materials	Dr. DINESH KUMAR
MECHANICAL ENGINEERING	Intelligent Machinery Fault Diagnosis	Dr. NARESH KUMAR RAGHUWANSHI
MECHANICAL ENGINEERING	Intelligent Vibration Control	Dr. NARESH KUMAR RAGHUWANSHI
MECHANICAL ENGINEERING	Design and development of metal matrix composites	Dr. PANKAJ KUMAR GUPTA
MECHANICAL ENGINEERING	Investigations in micromachining by ultrasonic method	Dr. PANKAJ KUMAR GUPTA
MECHANICAL ENGINEERING	Alternate fuels for S.I. engines	Dr. DILIP SHARMA

MECHANICAL ENGINEERING	Solar thermal energy applications	Dr. DILIP SHARMA
MECHANICAL ENGINEERING	Application of Artificial Intelligence techniques to Industry 4.0/Smart Manufacturing	Dr. MURARI LAL MITTAL
MECHANICAL ENGINEERING	Application of Artificial Intelligence techniques to sustainability/circular economy	Dr. MURARI LAL MITTAL
MECHANICAL ENGINEERING	Product development involving high performance hybrid textile composite materials.	Dr. HARLAL SINGH MALI
MECHANICAL ENGINEERING	Product development involving Micromachining/finishing on difficult to machine/finish materials.	Dr. HARLAL SINGH MALI
MECHANICAL ENGINEERING	Indoor Environment Quality and Occupant productivity in Radiant/Evaporative Cooled Environment	Dr. JYOTIRMAY MATHUR
MECHANICAL ENGINEERING	Energy efficiency enhancement in air conditioning systems	Dr. JYOTIRMAY MATHUR
MECHANICAL ENGINEERING	Ergonomics evaluation and redesign hand tools in small scale Industries	Dr. MAKKHAN LAL MEENA
MECHANICAL ENGINEERING	Industry 4.0 enabled Sustainable Production	Dr. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	Disruptive Technologies for Supply Chain Decarbonization	Dr. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	Fracture Simulation for smart materials	Dr. GULAB PAMNANI
MECHANICAL ENGINEERING	Semi permeable crack analysis of piezoelectric materials	Dr. GULAB PAMNANI
MECHANICAL ENGINEERING	Battery thermal management in EV	Dr. NIKHIL SHARMA
MECHANICAL ENGINEERING	Characteristics of PM and soot emissions of internal combustion engines running on biofuel	Dr. NIKHIL SHARMA
MECHANICAL ENGINEERING	Mechanical and tribological studies of polymer composites	Dr. MUKESH KUMAR
MECHANICAL ENGINEERING	Mechanical and tribological studies of aluminium alloy composites	Dr. MUKESH KUMAR
MECHANICAL ENGINEERING	Flow and heat transfer in non-Newtonian fluids over porous surfaces	Dr. MANISH KUMAR
MECHANICAL ENGINEERING	Predictive Supply Chain Analytics	Dr. GUNJAN SONI
MECHANICAL ENGINEERING	Predictive Maintenance	Dr. GUNJAN SONI
MECHANICAL ENGINEERING	Design and development of metal alloy composites for defence applications	Dr. AMAR PATNAIK
MECHANICAL ENGINEERING	Modeling and simulation of metal alloy composites for defence applications	Dr. AMAR PATNAIK
METALLURGICAL AND MATERIALS ENGINEERING	Composite materials	Dr. KUNAL JAYPRAKASH BORSE
METALLURGICAL AND MATERIALS ENGINEERING	Corrosion and surface engineering	Dr. KUNAL JAYPRAKASH BORSE
METALLURGICAL AND MATERIALS ENGINEERING	Additive manufacturing and weldability studies of superalloys	Dr. JYOTIRMAYA KAR
METALLURGICAL AND MATERIALS ENGINEERING	Reduction kinetics of iron carbon composite pellets	Dr. JYOTIRMAYA KAR
METALLURGICAL AND MATERIALS ENGINEERING	Development of high performance aluminum alloys/composites	Dr. AJAYA KUMAR PRADHAN

METALLURGICAL AND MATERIALS ENGINEERING	Development of high performance magnesium alloys	Dr. AJAYA KUMAR PRADHAN
METALLURGICAL AND MATERIALS ENGINEERING	DESIGN OF HIGH ENTROPY ALLOYS	Dr. RANDHIR KUMAR SINGH
METALLURGICAL AND MATERIALS ENGINEERING	DISSIMILAR WELD METAL STUDIES	Dr. RANDHIR KUMAR SINGH
METALLURGICAL AND MATERIALS ENGINEERING	Development of high strength materials through severe plastic deformation techniques	Dr. ABHISHEK TRIPATHI
METALLURGICAL AND MATERIALS ENGINEERING	Development and application of AI tools for materials design	Dr. ABHISHEK TRIPATHI
METALLURGICAL AND MATERIALS ENGINEERING	Designing of a high strength Q&P steel for automative application: microstructural and mechanistic aspect	Dr. RAJESH KUMAR RAI
METALLURGICAL AND MATERIALS ENGINEERING	Synthesis and characterization of high temperature thin film coatings	Dr. RAJESH KUMAR RAI
METALLURGICAL AND MATERIALS ENGINEERING	Corrosion studies of Ti-6Al-4V alloy synthesized via powder metallurgy route	Dr. VIJAY NAVARATNA NADAKUDURU
METALLURGICAL AND MATERIALS ENGINEERING	Tribology and Microstructure Analysis of High Alloy Coating on Steel substrate	Dr. KRISHNA KUMAR
METALLURGICAL AND MATERIALS ENGINEERING	Synthesis and process parameter studies of Metal Matrix composite reinforced with carbonaceous elements for Automotive application	Dr. KRISHNA KUMAR
METALLURGICAL AND MATERIALS ENGINEERING	Microstructure and Mechanical Behaviour of Steel	Dr. MANJESH KUMAR MISHRA
METALLURGICAL AND MATERIALS ENGINEERING	Friction welding of IN718 and steel	Dr. MANJESH KUMAR MISHRA
METALLURGICAL AND MATERIALS ENGINEERING	High Entropy Alloy Coatings	Dr. SWATI SHARMA
METALLURGICAL AND MATERIALS ENGINEERING	High-performance anti-corrosion and anti-wear coating based on MXene	Dr. SWATI SHARMA
PHYSICS	Ion beam modification of nanostructured materials for various applications	Dr. SRINIVASA RAO NELAMARRI
PHYSICS	Growth and characterization of high quality stoichiometric nanocrystalline thin films	Dr. SRINIVASA RAO NELAMARRI
PHYSICS	Testing theories of particle physics from cosmology	Dr. AKHILESH NAUTIYAL
PHYSICS	Testing models of inflation based on supergravity from CMB and LSS observations	Dr. AKHILESH NAUTIYAL
PHYSICS	DFT Calculation of 2-D Materials	Dr. ANIRBAN DUTTA
PHYSICS	Synthesis and Application of Elongated Nanomaterials for Stretchable Electronic Devices	Dr. ANIRBAN DUTTA
PHYSICS	Novel organic inorganic hybrid polymeric membranes for selective gas separation	Dr. KAMAKSHI
PHYSICS	CFD simulation of membranes towards environmental remediation applications	Dr. KAMAKSHI
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Mathematical formulations for recycled concrete structures in the earthquake areas	Dr. M. K. SHRIMALI

NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Seismic Design of Structures	Dr. M. K. SHRIMALI

FULL TIME SPONSORED/OFF CAMPUS/PART TIME (INSTITUTE FACULTY, INSTITUTE STAFF, EXECUTIVE/PROFESSIONAL)

Department/Centres	Tentative Research Area of proposed Ph.D.	Faculty member Name
ARCHITECTURE AND PLANNING	Building Development Regulation for Buildings and Urban Spaces	Dr. GIREENDRA KUMAR
ARCHITECTURE AND PLANNING	Visual Communication of Buildings and Design Components	Dr. GIREENDRA KUMAR
ARCHITECTURE AND PLANNING	Planning for the built vernacular heritage	Dr. POOJA NIGAM
ARCHITECTURE AND PLANNING	Planning and growth management of urban areas	Dr. POOJA NIGAM
ARCHITECTURE AND PLANNING	RETROFITTING BUILDING FOR UNIVERSAL ADAPTABILITY	Dr. TARUSH CHANDRA
ARCHITECTURE AND PLANNING	RETROFITTING BUILDINGS FOR RESILIENCE AND ENERGY EFFICIENY	Dr. TARUSH CHANDRA
ARCHITECTURE AND PLANNING	Urban water systems	Dr. RINA SURANA
ARCHITECTURE AND PLANNING	Urban and heritage conservation	Dr. RINA SURANA
ARCHITECTURE AND PLANNING	Planning for Disaster Resilience	Dr. YASH KUMAR MITTAL
ARCHITECTURE AND PLANNING	Construction Management and Transport Planning	Dr. YASH KUMAR MITTAL
ARCHITECTURE AND PLANNING	Smart urban infrastructure for fire safety and resilience	Dr. NIRUTI GUPTA
ARCHITECTURE AND PLANNING	Affordable housing	Dr. NIRUTI GUPTA
ARCHITECTURE AND PLANNING	Sustainable Practices for built environment	Dr. BHAVNA SHRIVASTAVA
ARCHITECTURE AND PLANNING	Sustainable housing practices	Dr. BHAVNA SHRIVASTAVA
ARCHITECTURE AND PLANNING	Planning for sustainable urban development including transportation	Dr. NAND KUMAR
ARCHITECTURE AND PLANNING	Planning for energy efficiency and management	Dr. NAND KUMAR
CENTRE FOR ENERGY AND ENVIRONMENT	Hydrogen energy systems	Dr. KAPIL PAREEK
CENTRE FOR ENERGY AND ENVIRONMENT	Energy policy and regulatory framework	Dr. KAPIL PAREEK
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to Bioenergy	Dr. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to high value products and energy	Dr. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	LiB thermal management	Dr. ANEESH PRABHAKAR
CENTRE FOR ENERGY AND ENVIRONMENT	Renewable energy	Dr. ANEESH PRABHAKAR
CENTRE FOR ENERGY AND ENVIRONMENT	Performance and degradation of solar PV	Dr. SUNANDA SINHA
CENTRE FOR ENERGY AND ENVIRONMENT	Carbon neutrality through renewable energy	Dr. SUNANDA SINHA
CENTRE FOR ENERGY AND	Demand side management	Dr. PARUL MATHURIA

ENVIRONMENT		
CENTRE FOR ENERGY AND ENVIRONMENT	Power to Hydrogen System	Dr. PARUL MATHURIA
CENTRE FOR ENERGY AND ENVIRONMENT	Grid integration of electric vehicles	Dr. ROHIT BHAKAR
CENTRE FOR ENERGY AND ENVIRONMENT	Power Systems Optimisation	Dr. ROHIT BHAKAR
CHEMICAL ENGINEERING	Developing an AI-assisted machine learning-based models for understanding and predicting the behavior at molecular scale.	Dr. HRUSHIKESH MADHUSUDAN GADE
CHEMICAL ENGINEERING	Anaerobic Membrane Bioreactor for the Treatment of Dye-contaminated Wastewater	Dr. MD. OAYES MIDDA
CHEMICAL ENGINEERING	Nanocomposite Membrane for Industrial Gas Separation Applications	Dr. MD. OAYES MIDDA
CHEMICAL ENGINEERING	Development of low cost adsorbents for energy application	Dr. SUBBARAMAIAH V
CHEMICAL ENGINEERING	Development of low cost adsorbents for environmental application	Dr. SUBBARAMAIAH V
CHEMICAL ENGINEERING	Mineralization of organic pollutants using advanced oxidation	Dr. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Simultaneous removal of fluoride and arsenic from water	Dr. MADHU AGARWAL
CHEMICAL ENGINEERING	Catalytic valorization of cellulose into useful chemicals	Dr. MADHU AGARWAL
CHEMICAL ENGINEERING	Utilization of biomass for production of energy and value added products	Dr. MANISH VASHISHTHA
CHEMICAL ENGINEERING	Waste water treatment using advanced oxidation processes	Dr. MANISH VASHISHTHA
CHEMICAL ENGINEERING	Synthesis and Application of Biochar for the Treatment of Wastewater	Dr. DIPALOY DATTA
CHEMICAL ENGINEERING	Application of Waste Materials for the Treatment of Wastewater	Dr. DIPALOY DATTA
CHEMICAL ENGINEERING	Water defluoridation using advanced nanomaterials developed by various process intensified techniques	Dr. SUJA GEORGE
CHEMICAL ENGINEERING	Wastewater treatment by advanced and hybrid tertiary processes	Dr. SUJA GEORGE
CHEMICAL ENGINEERING	Development of Catalyst for CO2 Conversion into Fuels and Chemicals	Dr. LOVJEET SINGH
CHEMICAL ENGINEERING	Biomass conversion to green fuels	Dr. LOVJEET SINGH
CHEMICAL ENGINEERING	Wastewater treatment experimentation and parametric study	Dr. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Modeling & Simulation of Chemical Processes	Dr. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Novel Materials for Environmental Application	Dr. SHIV OM MEENA
CHEMICAL ENGINEERING	Waste Water Treatment by Electro Oxidation Process	Dr. SHIV OM MEENA
CHEMICAL ENGINEERING	Wastewater treatment technique for industrial wastewater	Dr. U. K. ARUN KUMAR

CHEMICAL ENGINEERING	Extractive distillation in microchannels	Dr. U. K. ARUN KUMAR
CHEMICAL ENGINEERING	Hydrogen production by water electrolysis in SOEC	Dr. NEETU KUMARI
CHEMICAL ENGINEERING	Photoelectrocatalytic water splitting	Dr. NEETU KUMARI
CHEMICAL ENGINEERING	Renewable hydrogen generation via biomass gasification	Dr. SONAL
CHEMICAL ENGINEERING	Waste to fuel synthesis	Dr. SURAJIT GHOSH
CHEMICAL ENGINEERING	Synthesis and application of nanomaterials	Dr. SURAJIT GHOSH
CHEMICAL ENGINEERING	Wastewater Treatment by supported ionic membrane	Dr. RAJEEV KUMAR DOHARE
CHEMICAL ENGINEERING	Study of reactive distillation column in Micro Channel	Dr. RAJEEV KUMAR DOHARE
CHEMICAL ENGINEERING	Use of advanced technologies for wastewater treatment	Dr. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Production of bio-ethanol from different sources	Dr. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Advanced oxidation processes for water treatment	Dr. VIRENDRA KUAMR SAHARAN
CHEMICAL ENGINEERING	Bio-digestion of sewage sludge	Dr. VIRENDRA KUAMR SAHARAN
CIVIL ENGINEERING	Development of recycled concrete using waste material	Dr. P V RAMANA
CIVIL ENGINEERING	Mathematical formulations for recycled concrete structures	Dr. P V RAMANA
CIVIL ENGINEERING	Study of hydrological extremes under changing climate	Dr. HIMANSHU ARORA
CIVIL ENGINEERING	Machine learning applications in Water Sector	Dr. HIMANSHU ARORA
CIVIL ENGINEERING	Bridge engineering	Dr. ANOOP IRANNA SHIRKOL
CIVIL ENGINEERING	Performance evaluation of RE Walls using GEO Grids	Dr. ANOOP IRANNA SHIRKOL
CIVIL ENGINEERING	Environmental risk assessment	Dr. AMIT KUMAR
CIVIL ENGINEERING	Solid waste management	Dr. AMIT KUMAR
CIVIL ENGINEERING	Remote sensing applications for climate change studies	Dr. SUMIT KHANDELWAL
CIVIL ENGINEERING	Urban heat island analysis due to air pollution	Dr. SUMIT KHANDELWAL
CIVIL ENGINEERING	Electrical vehicle's impact on climate change and air quality	Dr. RUCHI SHARMA
CIVIL ENGINEERING	Air pollution measurement and control	Dr. RUCHI SHARMA
CIVIL ENGINEERING	Optimization of sprinkler irrigation system	Dr. AJAY SINGH JETHOO
CIVIL ENGINEERING	Management of urban flooding	Dr. AJAY SINGH JETHOO
CIVIL ENGINEERING	Air and Noise pollution and Health impacts	Dr. NIVEDITA KAUL
CIVIL ENGINEERING	Solid waste management	Dr. NIVEDITA KAUL
CIVIL ENGINEERING	Hydrological disaster risk management	Dr. MAHENDER CHOUDHARY
CIVIL ENGINEERING	Use of Artificial Intelligence in Structural Engineering	Dr. VINAY AGRAWAL

CIVIL ENGINEERING	Utilization of Industrial/Mining Waste in Concrete	Dr. VINAY AGRAWAL
CIVIL ENGINEERING	Modelling Flow Characteristics of Alluvial Channel	Dr. MANOJ KUMAR DIWAKAR
CIVIL ENGINEERING	Water Sensitivity of An Urban City	Dr. MANOJ KUMAR DIWAKAR
CIVIL ENGINEERING	Machine learning application in Environmental Engineering	Dr. SUDHIR KUMAR
CIVIL ENGINEERING	Human health risk assessment due to air pollution	Dr. SUDHIR KUMAR
CIVIL ENGINEERING	Evaluation of mechanical properties of preplaced aggregates concrete	Dr. RAMESHWAR JAGANNATH VISHWAKARMA
CIVIL ENGINEERING	Experimental and analytical evaluation of slab on grade	Dr. RAMESHWAR JAGANNATH VISHWAKARMA
CIVIL ENGINEERING	Properties of Steel slag concrete under elevated temperature	Dr. R. C. GUPTA
CIVIL ENGINEERING	Properties of Steel slag concrete under acids	Dr. R. C. GUPTA
CIVIL ENGINEERING	Agent based modelling for LULC change detection	Dr. MAHESH KUMAR JAT
CIVIL ENGINEERING	Climate change implications on Environment	Dr. MAHESH KUMAR JAT
COMPUTER SCIENCE AND ENGINEERING	Differential Privacy for federated learning	Dr. RAMESH BABU BATTULA
COMPUTER SCIENCE AND ENGINEERING	Federated reinforcement learning for software defined networks	Dr. RAMESH BABU BATTULA
COMPUTER SCIENCE AND ENGINEERING	Deception Techniques for Information Safety	Dr. VIJAY LAXMI
COMPUTER SCIENCE AND ENGINEERING	Hallucinations in Large Language Model	Dr. VIJAY LAXMI
COMPUTER SCIENCE AND ENGINEERING	Machine learning models for pattern recognition in modern real world applications.	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Nature Inspired Optimization algorithms and its applications in smart farming	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Medical Image Analysis using Deep Learning	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Anomaly Detection in Images and Videos	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Deep learning for Software Reliability	Dr. SATYANDRA SINGH CHOUHAN
COMPUTER SCIENCE AND ENGINEERING	Multimodal Machine Learning	Dr. SATYANDRA SINGH CHOUHAN

COMPUTER SCIENCE AND ENGINEERING	Securing advanced networks using Machine Learning and Artificial Intelligence	Dr. MEENAKSHI TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Handling Challenges of VANET using SDN	Dr. MEENAKSHI TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Swarm Intelligence based Data Clustering	Dr. ASHISH KUMAR TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Deep learning models for activity detection	Dr. ASHISH KUMAR TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Security of next generation Vehicular Networks	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Blockchain and SDN-based security solutions for Internet of Things applications	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Machine/Deep Learning with Graphs	Dr. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Social Network Analysis using Graph Neural Networks (GNNs)	Dr. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Test suit optimization in software testing using machine learning approaches.	Dr. GIRDHARI SINGH
COMPUTER SCIENCE AND ENGINEERING	Improvising mutation testing using machine learning techniques.	Dr. GIRDHARI SINGH
COMPUTER SCIENCE AND ENGINEERING	Human-centric explainable AI for decision support port	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND ENGINEERING	AI-driven assistive technologies	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND ENGINEERING	Multilingual Source Code Analysis	Dr. DINESH GOPALANI
COMPUTER SCIENCE AND ENGINEERING	A Computational Framework for Emotion Analysis in Text	Dr. DINESH GOPALANI
COMPUTER SCIENCE AND ENGINEERING	Machine Learning	Dr. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Natural Language Processing	Dr. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Cyber Security solutions using AI/ML	Dr. DINESH KUMAR TYAGI
COMPUTER SCIENCE AND ENGINEERING	Collaborative Learning and Blockchain	Dr. DINESH KUMAR TYAGI
COMPUTER SCIENCE AND ENGINEERING	Information Centric and Mobility-Aware Software-Defined IoT	Dr. ARKA PROKASH MAZUMDAR
COMPUTER SCIENCE AND ENGINEERING	Security and Privacy Issues in BlockChain	Dr. PILLI EMMANUEL SHUBHAKAR
COMPUTER SCIENCE AND ENGINEERING	Quantum Non Fungible Tokens	Dr. PILLI EMMANUEL SHUBHAKAR
COMPUTER SCIENCE AND ENGINEERING	Security issues in SDN based systems	Dr. Mushtaq Ahmed
COMPUTER SCIENCE AND ENGINEERING	Cloud Computing	Dr. Mushtaq Ahmed
COMPUTER SCIENCE AND ENGINEERING	Social media data analytics	Dr. Neeta Nain
COMPUTER SCIENCE AND ENGINEERING	Deep Recommender systems for sparse data	Dr. Neeta Nain

ELECTRICAL ENGINEERING	Electrical Vehicles Integration to Grid and its Power Quality Improvement	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Power Quality Improvement in AC-DC Converters	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Control Applications to Power Electronic Converters	Dr. MAN MOHAN GARG
ELECTRICAL ENGINEERING	Energy Storage Management and Integration of Electric Vehicle to Microgrid	Dr. MAN MOHAN GARG
ELECTRICAL ENGINEERING	Power system analysis	Dr. AKHILESH MATHUR
ELECTRICAL ENGINEERING	Modern Distribution system analysis	Dr. AKHILESH MATHUR
ELECTRICAL ENGINEERING	Machine Intelligence for healthcare and Robotics	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Automation and cyber security for power Industry	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Power System Control and Optimization	Dr. VINAY PRATAP SINGH
ELECTRICAL ENGINEERING	Machine Learning/Deep Learning/Artificial Intelligence Applications	Dr. VINAY PRATAP SINGH
ELECTRICAL ENGINEERING	Grid integration of electric vehicles	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Power Systems Optimization	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Application of Machine Learning in optimizing renewable energy systems	Dr. RAVITA LAMBA
ELECTRICAL ENGINEERING	Fuel Cell and Electric Vehicles	Dr. RAVITA LAMBA
ELECTRICAL ENGINEERING	Smart Grid	Dr. PRAVEEN AGARWAL
ELECTRICAL ENGINEERING	Electric Vehicles	Dr. PRAVEEN AGARWAL
ELECTRICAL ENGINEERING	Cyber security in smart grids	Dr. DIPTI SAXENA
ELECTRICAL ENGINEERING	Smart Energy and Intelligent transportation systems	Dr. DIPTI SAXENA
ELECTRICAL ENGINEERING	Water Energy Nexus	Dr. PRERNA JAIN
ELECTRICAL ENGINEERING	Electricity Markets	Dr. PRERNA JAIN
ELECTRICAL ENGINEERING	EV integration in Smart Grid	Dr. SATISH SHARMA
ELECTRICAL ENGINEERING	Electricity Markets and Economics	Dr. SATISH SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	MEMS	Dr. TARUN VARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Signal Processing	Dr. TARUN VARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Advancements of Near Field Measurements Techniques	Dr. RAJENDRA MITHARWAL
ELECTRONICS AND COMMUNICATION ENGINEERING	AI/ML in healthcare	Dr. AMIT MAHESH JOSHI
ELECTRONICS AND COMMUNICATION ENGINEERING	Biomedical signal processing	Dr. AMIT MAHESH JOSHI
ELECTRONICS AND COMMUNICATION ENGINEERING	NOMA in 5G Communication	Dr. R. P. YADAV
ELECTRONICS AND COMMUNICATION ENGINEERING	Sensor Networks and MEMS	Dr. R. P. YADAV
ELECTRONICS AND COMMUNICATION ENGINEERING	Analog and Digital VLSI Design	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Nano Electronics Device Modelling & Simulation	Dr. BHARAT CHOUDHARY

ELECTRONICS AND COMMUNICATION ENGINEERING	Artificial Intelligence Techniques for Seismic Signal Processing	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	Artificial Intelligence Techniques for Seismic Signal Processing	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	Microelectronic devices and sensors	Dr. DEEPAK BHARTI
ELECTRONICS AND COMMUNICATION ENGINEERING	Cognitive Radio & 5G/6G Communication	Dr. ILA SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Multirate signal processing with application in Biomedical field	Dr. ILA SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design and Development of sensors for electronic applications	Dr. RITU SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	AI based health care applications	Dr. KULDEEP SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Deep Learning for computer vision	Dr. KULDEEP SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Biomedical signal processing	Dr. KAMALESH KUMAR SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Antenna design for 5G applications	Dr. KAMALESH KUMAR SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Advanced MOS Device	Dr. RAJESH SAHA
ELECTRONICS AND COMMUNICATION ENGINEERING	Application of Semiconductor Devices	Dr. RAJESH SAHA
ELECTRONICS AND COMMUNICATION ENGINEERING	Emerging nano devices for sensor application	Dr. MENKA
ELECTRONICS AND COMMUNICATION ENGINEERING	Emerging nano devices for analog application	Dr. MENKA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of Antenna for 5G or higher communication	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of frequency selective surface, absorber, rasorber surfaces	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Optical circuits and components for on chip applications	Dr. GHANSHYAM SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Analog Integrated Circuits	Dr. D. BOOLCHANDANI
ELECTRONICS AND COMMUNICATION ENGINEERING	MEMS	Dr. D. BOOLCHANDANI
ELECTRONICS AND COMMUNICATION ENGINEERING	Security in Unmanned Aerial systems	Dr. LAVA BHARGAVA
ELECTRONICS AND COMMUNICATION ENGINEERING	Application of AI and Machine Learning in IoT systems	Dr. LAVA BHARGAVA
HUMANITIES AND SOCIAL SCIENCE	Indian Political Institutions and problem of insurgency and secessionism and Indian Judiciary	Dr. VIBHUTI SINGH SHEKHAWAT
HUMANITIES AND SOCIAL SCIENCE	Indian Political Institutions and problem of insurgency and secessionism and Indian Judiciary	Dr. VIBHUTI SINGH SHEKHAWAT
HUMANITIES AND SOCIAL SCIENCE	Applied Microeconomics and Macroeconomics	Dr. NIDHI SHARMA
HUMANITIES AND SOCIAL SCIENCE	Behavioural and Experimental Economics- Happiness and Well-being Economics	Dr. NIDHI SHARMA

HUMANITIES AND SOCIAL SCIENCE	New trends in fiction	Dr. NUPUR TANDON
HUMANITIES AND SOCIAL SCIENCE	Indian Writing in English	Dr. NUPUR TANDON
HUMANITIES AND SOCIAL SCIENCE	Exploring Trends in Indian Writing in English;	Dr. PREETI BHATT
HUMANITIES AND SOCIAL SCIENCE	Â Theme and Technique in Contemporary Fiction	Dr. PREETI BHATT
HUMANITIES AND SOCIAL SCIENCE	SOCIOLOGY: Social change and sustainable development	Dr. NIDHI BANSAL
HUMANITIES AND SOCIAL SCIENCE	Rural development and public policy	Dr. NIDHI BANSAL
MANAGEMENT STUDIES	Business Sustainability Strategies, Innovations, and Impact Assessment	Dr. RITIKA MAHAJAN
MANAGEMENT STUDIES	Adoption and Integration of Artificial Intelligence in Management Education	Dr. RITIKA MAHAJAN
MANAGEMENT STUDIES	Workplace Inclusivity and Employee Well-being	Dr. AAKANKSHA KATARIA
MANAGEMENT STUDIES	HR Analytics	Dr. AAKANKSHA KATARIA
MANAGEMENT STUDIES	Lean and sustainable supply chain	Dr. MONICA SHARMA
MANAGEMENT STUDIES	Sustainable Supply Chain Management and Circular Economy	Dr. MONICA SHARMA
MANAGEMENT STUDIES	Corporate Finance	Dr. SHRIDEV
MANAGEMENT STUDIES	Behavioural Finance	Dr. SHRIDEV
MANAGEMENT STUDIES	Employee Engagement	Dr. REETA SINGH
MANAGEMENT STUDIES	Diversity, Equity and Inclusion at the workplace	Dr. REETA SINGH
MATERIAL RESEARCH CENTER	Processing of 2D MXene for energy materials	Dr. NISHA VERMA
MATERIAL RESEARCH CENTER	Microwave Sintering of Non Oxide Ceramics	Dr. NISHA VERMA
MATHEMATICS	Mathematical modelling and numerical simulation of fluid flows.	Dr. OM P. SUTHAR
MATHEMATICS	Computational study of nonlinear differential equations.	Dr. OM P. SUTHAR
MECHANICAL ENGINEERING	Under water welding	Dr. TAPAS BAJPAI
MECHANICAL ENGINEERING	Intelligent Machinery Fault Diagnosis	Dr. NARESH KUMAR RAGHUWANSHI
MECHANICAL ENGINEERING	Intelligent Vibration Control	Dr. NARESH KUMAR RAGHUWANSHI
MECHANICAL ENGINEERING	Design and development of polymer matrix composites	Dr. PANKAJ KUMAR GUPTA
MECHANICAL ENGINEERING	Investigations in wire arc additive manufacturing	Dr. PANKAJ KUMAR GUPTA
MECHANICAL ENGINEERING	Experimental and Numerical Investigation of high performance hybrid textile composite materials.	Dr. HARLAL SINGH MALI
MECHANICAL ENGINEERING	Development and evaluation of Prosthetic or Orthotic devices	Dr. HARLAL SINGH MALI
MECHANICAL ENGINEERING	Digitalized Multi modal transportation	Dr. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	AI enabled Sustainable Production	Dr. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	XFEM analysis of crack for piezoelectric	Dr. GULAB PAMNANI

	materials	
MECHANICAL ENGINEERING	Basics, properties, and thermal issues of EV battery and battery thermal management systems	Dr. NIKHIL SHARMA
MECHANICAL ENGINEERING	Renewable Fuels	Dr. NIKHIL SHARMA
MECHANICAL ENGINEERING	Wear and mechanical performance studies of aluminium alloy composites	Dr. MUKESH KUMAR
MECHANICAL ENGINEERING	Wear and mechanical performance studies of polymer composites	Dr. MUKESH KUMAR
MECHANICAL ENGINEERING	Thermal management of electric vehicle battery systems	Dr. MANISH KUMAR
MECHANICAL ENGINEERING	Analysis of Steel Industries under Energy saving targets of PAT Scheme	Dr. AMAR PATNAIK
MECHANICAL ENGINEERING	Optimization of Energy efficiency in Steel Industries using AI/ML	Dr. AMAR PATNAIK
METALLURGICAL AND MATERIALS ENGINEERING	Composite materials	Dr. KUNAL JAYPRAKASH BORSE
METALLURGICAL AND MATERIALS ENGINEERING	Corrosion and surface engineering	Dr. KUNAL JAYPRAKASH BORSE
METALLURGICAL AND MATERIALS ENGINEERING	Resistance spot welding of automotive materials	Dr. JYOTIRMAYA KAR
METALLURGICAL AND MATERIALS ENGINEERING	DISSIMILAR WELD METAL STUDIES	Dr. RANDHIR KUMAR SINGH
METALLURGICAL AND MATERIALS ENGINEERING	ADDITIVELY MANUFACTURED ALLOYS	Dr. RANDHIR KUMAR SINGH
METALLURGICAL AND MATERIALS ENGINEERING	Development of beta Ti-alloy for aerospace application	Dr. RAJESH KUMAR RAI
METALLURGICAL AND MATERIALS ENGINEERING	Development of Fe based cutting tools via powder metallurgy route	Dr. VIJAY NAVARATNA NADAKUDURU
METALLURGICAL AND MATERIALS ENGINEERING	Reduction Kinetics Studies of Low Grade Iron Ore Pallets	Dr. KRISHNA KUMAR
METALLURGICAL AND MATERIALS ENGINEERING	Synthesis and Characterization studies of CNT based polymer composites for Aerospace Applications	Dr. KRISHNA KUMAR
METALLURGICAL AND MATERIALS ENGINEERING	Advanced High Strength Steels	Dr. SWATI SHARMA
METALLURGICAL AND MATERIALS ENGINEERING	Nanodiamond/ graphene reinforced polymer coating	Dr. SWATI SHARMA
PHYSICS	Study of Bismuth based Quantum Materials for Spintronic Devices	Dr. MANOJ KUMAR
PHYSICS	Development of quantum-enhanced sensors for ultra-precise measurements	Dr. MANOJ KUMAR
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Mathematical models for System Identification in Structural Dynamic problems	Dr. M. K. SHRIMALI
NATIONAL CENTRE FOR DISASTER MITIGATION AND MANAGEMENT	Earthquake Behaviour of Dams	Dr. S. D. BHARTI

FULL TIME WITH OWN SCHOLARSHIP (NET JRF/CSIR JRF ETC..)

Department/Centres	Tentative Research Area of proposed Ph.D.	Faculty member Name
ARCHITECTURE AND PLANNING	Planning for sustainable urban development including transportation	Dr. NAND KUMAR
ARCHITECTURE AND PLANNING	Planning for energy efficiency and management	Dr. NAND KUMAR
CENTRE FOR ENERGY AND ENVIRONMENT	Hydrogen energy systems	Dr. KAPIL PAREEK
CENTRE FOR ENERGY AND ENVIRONMENT	Energy policy and regulatory framework	Dr. KAPIL PAREEK
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to high value products and energy	Dr. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Biomass to Bioenergy	Dr. VIVEKANAND
CENTRE FOR ENERGY AND ENVIRONMENT	Carbon neutrality through renewable energy	Dr. SUNANDA SINHA
CENTRE FOR ENERGY AND ENVIRONMENT	Building-integrated photovoltaic/thermal system	Dr. AMARTYA CHOWDHURY
CENTRE FOR ENERGY AND ENVIRONMENT	Performance assessment of different Photovoltaic Technologies using machine learning	Dr. AMARTYA CHOWDHURY
CENTRE FOR ENERGY AND ENVIRONMENT	Big Data analysis using Smart Meter Data	Dr. ROHIT BHAKAR
CENTRE FOR ENERGY AND ENVIRONMENT	Grid Security under Cyber Attacks	Dr. ROHIT BHAKAR
CHEMICAL ENGINEERING	Development of high-performance lithium-rich cathode materials	Dr. SUBBARAMAIAH V
CHEMICAL ENGINEERING	Development of sustainable adsorbents for heavy metal removal	Dr. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Development of green catalyst from waste resources	Dr. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Utilization of biomass for production of energy and value added products	Dr. MANISH VASHISHTHA
CHEMICAL ENGINEERING	Applications of nanostructured tinoxide	Dr. MANISH VASHISHTHA
CHEMICAL ENGINEERING	Water defluoridation using advanced nanomaterials developed by various process intensified techniques	Dr. SUJA GEORGE
CHEMICAL ENGINEERING	Wastewater treatment by advanced and hybrid tertiary processes	Dr. SUJA GEORGE
CHEMICAL ENGINEERING	Development of Catalyst for CO2 Conversion into Fuels and Chemicals	Dr. LOVJEET SINGH
CHEMICAL ENGINEERING	Biomass conversion to green fuels	Dr. LOVJEET SINGH
CHEMICAL ENGINEERING	Wastewater treatment	Dr. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Wastewater treatment by hybrid process	Dr. VIKAS KUMAR SANGAL
CHEMICAL ENGINEERING	Waste Water Treatment by Electro Oxidation Process	Dr. SHIV OM MEENA
CHEMICAL ENGINEERING	Novel Materials for Environmental Application	Dr. SHIV OM MEENA

CHEMICAL ENGINEERING	Assessment of provskite structured materials for CO2 reduction reaction	Dr. NEETU KUMARI
CHEMICAL ENGINEERING	Co-electrolysis of CO2 and water in SOEC	Dr. NEETU KUMARI
CHEMICAL ENGINEERING	Conversion of waste plastics into liquid fuels	Dr. SONAL
CHEMICAL ENGINEERING	Studies on catalytic pyrolysis processes	Dr. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Biomethanation of waste materials	Dr. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Catalytic conversion of Glycerol	Dr. VIRENDRA KUAMR SAHARAN
CHEMICAL ENGINEERING	Synthesis of Photocatalyst and photocatalytic oxidation reaction	Dr. VIRENDRA KUAMR SAHARAN
CHEMISTRY	Application of matrix isolation IR spectroscopy in astrochemistry	Dr. BIMAN BANDYOPADHYAY
CHEMISTRY	Modelling the chemical reactions with multirefernce character	Dr. PRADEEP KUMAR
CHEMISTRY	Mode selectivity in chemical reactions	Dr. PRADEEP KUMAR
CHEMISTRY	Phosphorus based materials for chemical fixation of CO2	Dr. PAWAN REKHA
CHEMISTRY	Heteroatom rich material for environmental applications	Dr. PAWAN REKHA
CHEMISTRY	Development of advanced materials for water remediation	Dr. MEENA
CHEMISTRY	Bio-based nanocomposites for the removal of aqueous pollutants	Dr. MEENA
CHEMISTRY	Designing the Chiral Carbohydrate Scaffolds of Medicinal Importance (Covid-Probe)	Dr. SUDHIR KASHYAP
CHEMISTRY	Developing the Greener Protocols for Important Organic Reactions (Metal-Hassle-Free)	Dr. SUDHIR KASHYAP
CHEMISTRY	Reusable polymeric nanomaterials and their applications	Dr. MANVIRI RANI
CHEMISTRY	Metal-organic frameworks and nanoadsorbent synthesis	Dr. MANVIRI RANI
CHEMISTRY	Inorganic-Organic Molecules for Photodynamic-Therapy as Anti-Cancer Drugs	Dr. ABBAS RAJA NAZIRUDDIN
CHEMISTRY	Nanomaterial Functionalization for Green-Hydrogen production	Dr. ABBAS RAJA NAZIRUDDIN
CHEMISTRY	Sunlight-Promoted Carbon di-oxide Reduction using Nanocarbons	Dr. SUMIT KUMAR SONKAR
CHEMISTRY	Low-cost available waste-derived Inorganic Materials/Nanomaterials used for Organic Transformation Reactions	Dr. SUMIT KUMAR SONKAR
CHEMISTRY	Nanomaterials for sensing applications	Dr. SUMANTA KUMAR MEHER
CHEMISTRY	Nanomaterials as catalysts for energy storage applications	Dr. SUMANTA KUMAR MEHER

CHEMISTRY	Green chemistry approach for synthesis of doped carbon nanomaterials for the remediation of emerging pollutants	Dr. RAGINI GUPTA
CHEMISTRY	Conversion of waste materials to value added products for cleaner production	Dr. RAGINI GUPTA
CIVIL ENGINEERING	Development of recycled concrete using waste material	Dr. P V RAMANA
CIVIL ENGINEERING	Mathematical formulations for recycled concrete structures	Dr. P V RAMANA
CIVIL ENGINEERING	Assessment of Hydrology and water resources under climate change employing soft computing techniques.	Dr. HIMANSHU ARORA
CIVIL ENGINEERING	Electrical vehicle's impact on climate change and air quality	Dr. RUCHI SHARMA
CIVIL ENGINEERING	Air pollution measurement and control	Dr. RUCHI SHARMA
CIVIL ENGINEERING	Modelling Flow Characteristics of An Alluvial Channel	Dr. MANOJ KUMAR DIWAKAR
CIVIL ENGINEERING	Water Sensitivity of a City	Dr. MANOJ KUMAR DIWAKAR
COMPUTER SCIENCE AND ENGINEERING	Machine learning models for pattern recognition in modern real world applications.	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Nature Inspired Optimization algorithms and its applications in smart farming, biomedical image processing, etc.	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Medical Image Segmentation for Cancer Diagnosis	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Deep Learning based Hyperspectral Image Analysis	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Securing advanced networks using Machine Learning and Artificial Intelligence	Dr. MEENAKSHI TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Computer Vision For Crop Health Monitoring	Dr. ASHISH KUMAR TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Earth observation using Remote Sensing	Dr. ASHISH KUMAR TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Machine Learning based security solutions for next generation Vehicular Networks	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Encrypted Network Traffic Anomaly Detection	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Machine/Deep Learning with Graphs	Dr. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Social Network Analysis using Graph Neural Networks (GNNs)	Dr. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	AI for Healthcare	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND ENGINEERING	Personalised AI-driven assistive technologies	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND ENGINEERING	Natural Language Processing	Dr. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Machine Learning	Dr. YOGESH KUMAR MEENA
COMPUTER SCIENCE AND ENGINEERING	Defense Mechanism for Website Fingerprinting against Tor	Dr. PILLI EMMANUEL SHUBHAKAR

COMPUTER SCIENCE AND ENGINEERING	Tracing and Deanonymization of Hidden Services in Tor Network	Dr. PILLI EMMANUEL SHUBHAKAR
COMPUTER SCIENCE AND ENGINEERING	Security issues in SDN based systems	Dr. Mushtaq Ahmed
COMPUTER SCIENCE AND ENGINEERING	Cloud Computing	Dr. Mushtaq Ahmed
COMPUTER SCIENCE AND ENGINEERING	High dimensional data Visualisation	Dr. Neeta Nain
COMPUTER SCIENCE AND ENGINEERING	Survellance and Video Anaysis	Dr. Neeta Nain
ELECTRICAL ENGINEERING	Electrical Vehicles Integration to Grid and its Power Quality Improvement	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Power Quality Improvement in AC-DC Converters	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Smart Grid	Dr. ANIL SWARNKAR
ELECTRICAL ENGINEERING	Virtual Energy Storage	Dr. ANIL SWARNKAR
ELECTRICAL ENGINEERING	Smart Grid	Dr. NIKHIL GUPTA
ELECTRICAL ENGINEERING	Virtual Energy Storage	Dr. NIKHIL GUPTA
ELECTRICAL ENGINEERING	Machine Intelligence for healthcare and Robotics	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Automation and cybersecurity for power Industry	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Big Data analysis using Smart Meter Data	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Grid Security under Cyber Attacks	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Smart Grid	Dr. RAVITA LAMBA
ELECTRICAL ENGINEERING	Smart Energy Systems	Dr. RAVITA LAMBA
ELECTRICAL ENGINEERING	Smart Grid	Dr. PRAVEEN AGARWAL
ELECTRICAL ENGINEERING	Electric Vehicles	Dr. PRAVEEN AGARWAL
ELECTRICAL ENGINEERING	Cyber Physical Power system	Dr. SATISH SHARMA
ELECTRICAL ENGINEERING	Analysis and Optimization of Energy Storage in Smart Grid	Dr. SATISH SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	MULTIBAND/WIDEBAND ANTENNA FOR WIRELESS APPLICATIONS	Dr. SARTHAK SINGHAL
ELECTRONICS AND COMMUNICATION ENGINEERING	MULTIBAND/WIDEBAND METASURFACES	Dr. SARTHAK SINGHAL
ELECTRONICS AND COMMUNICATION ENGINEERING	Estimation of Complex Permittivities and Permeablities at Microwave Frequencies	Dr. RAJENDRA MITHARWAL
ELECTRONICS AND COMMUNICATION ENGINEERING	AI/ML in healthcare	Dr. AMIT MAHESH JOSHI
ELECTRONICS AND COMMUNICATION ENGINEERING	RF and Wireless Communication	Dr. R. P. YADAV
ELECTRONICS AND COMMUNICATION ENGINEERING	5G Communication	Dr. R. P. YADAV
ELECTRONICS AND COMMUNICATION ENGINEERING	Analog and Digital VLSI Design	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Nano Electronics Device Modelling & Simulation	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Artificial Intelligence Techniques for Seismic Signal Processing	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	Artificial Intelligence Techniques for Seismic Signal Processing	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND	Cognitive Radio & 5G/6G	Dr. ILA SHARMA

COMMUNICATION ENGINEERING	Communication	
ELECTRONICS AND COMMUNICATION ENGINEERING	Multirate signal processing with application in Biomedical field	Dr. ILA SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Device integration for optical wireless communication	Dr. RAVI KUMAR MADDILA
ELECTRONICS AND COMMUNICATION ENGINEERING	Development of bit error ratio measurement setup	Dr. RAVI KUMAR MADDILA
ELECTRONICS AND COMMUNICATION ENGINEERING	Flexible Electronics	Dr. RITU SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of phase array antenna for wideband applications	Dr. RITU SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	AI based health care applications	Dr. KULDEEP SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Deep Learning for computer vision	Dr. KULDEEP SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Emerging nano devices for memory application	Dr. MENKA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of Antenna for 5G or higher communication	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of frequency selective surface, absorber, rasorber surfaces	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Analyses of photonic Circuits suitable for Quantum Computing Applications	Dr. GHANSHYAM SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Analog Integrated Circuits	Dr. D. BOOLCHANDANI
ELECTRONICS AND COMMUNICATION ENGINEERING	MEMS	Dr. D. BOOLCHANDANI
HUMANITIES AND SOCIAL SCIENCE	Indian Political Institutions and problem of insurgency and secessionism and Indian Judiciary	Dr. VIBHUTI SINGH SHEKHAWAT
HUMANITIES AND SOCIAL SCIENCE	Indian Political Institutions and problem of insurgency and secessionism and Indian Judiciar	Dr. VIBHUTI SINGH SHEKHAWAT
HUMANITIES AND SOCIAL SCIENCE	Gender and Sexuality	Dr. NIRAJA SARASWAT
HUMANITIES AND SOCIAL SCIENCE	Contemporary Indian Literature	Dr. NIRAJA SARASWAT
HUMANITIES AND SOCIAL SCIENCE	Applied Microeconomics and Macroeconomics	Dr. NIDHI SHARMA
HUMANITIES AND SOCIAL SCIENCE	Behavioural and Experimental Economics- Happiness and Well-being Economics	Dr. NIDHI SHARMA
HUMANITIES AND SOCIAL SCIENCE	Development Economics Rural Economics	Dr. MANJU SINGH
HUMANITIES AND SOCIAL SCIENCE	Rural Economics	Dr. MANJU SINGH
HUMANITIES AND SOCIAL SCIENCE	Indian Writing in English	Dr. NUPUR TANDON
HUMANITIES AND SOCIAL SCIENCE	Culture and Identity in Modern Writing	Dr. NUPUR TANDON
HUMANITIES AND SOCIAL SCIENCE	Contemporary Trends in Literary Studies	Dr. PREETI BHATT

HUMANITIES AND SOCIAL SCIENCE	South Asian Literature and Films	Dr. PREETI BHATT
HUMANITIES AND SOCIAL SCIENCE	Digital Sociology: Inequalities and marginalisation	Dr. NIDHI BANSAL
HUMANITIES AND SOCIAL SCIENCE	Sociology: Aging and social change	Dr. NIDHI BANSAL
MANAGEMENT STUDIES	Business Sustainability Strategies, Innovations, and Impact Assessment	Dr. RITIKA MAHAJAN
MANAGEMENT STUDIES	Adoption and Integration of Artificial Intelligence in Management Education	Dr. RITIKA MAHAJAN
MANAGEMENT STUDIES	Online/Digital Marketing	Dr. DEEPAK VERMA
MANAGEMENT STUDIES	Technology Adoption Behavior	Dr. DEEPAK VERMA
MANAGEMENT STUDIES	Sustainable Finance	Dr. SHWETA SHARMA
MANAGEMENT STUDIES	Environmental Economics	Dr. SHWETA SHARMA
MANAGEMENT STUDIES	Mindfulness and Well-being	Dr. AAKANKSHA KATARIA
MANAGEMENT STUDIES	Workplace Inclusivity and Employee Well-being	Dr. AAKANKSHA KATARIA
MANAGEMENT STUDIES	Sustainable Supply Chain	Dr. MONICA SHARMA
MANAGEMENT STUDIES	Women Entrepreneurship	Dr. MONICA SHARMA
MANAGEMENT STUDIES	Corporate Finance	Dr. SHRIDEV
MANAGEMENT STUDIES	Behavioural Finance	Dr. SHRIDEV
MANAGEMENT STUDIES	Consumer Behavior	Dr. DIVESH KUMAR
MANAGEMENT STUDIES	Diversity, Equity and Inclusion at the workplace	Dr. REETA SINGH
MANAGEMENT STUDIES	Employee Engagement	Dr. REETA SINGH
MATERIAL RESEARCH CENTER	Processing of 2D hybrid material for energy applications	Dr. NISHA VERMA
MATERIAL RESEARCH CENTER	Nano Composites for cutting tool application	Dr. NISHA VERMA
MATERIAL RESEARCH CENTER	Fluorescent nanomaterials for optical sensing applications	Dr. BHAGWATI SHARMA
MATERIAL RESEARCH CENTER	Development of Multifunctional Metal-Biomolecule Frameworks	Dr. BHAGWATI SHARMA
MATERIAL RESEARCH CENTER	Advanced 2D materials for hybrid supercapacitor	Dr. KANUPRIYA SACHDEV
MATERIAL RESEARCH CENTER	Flexible & wearable gas sensor operable at room temperature	Dr. KANUPRIYA SACHDEV
MATHEMATICS	Fractional dynamical systems	Dr. RITU AGARWAL
MATHEMATICS	Numerical scheme for differential equations of arbitrary order	Dr. RITU AGARWAL
MATHEMATICS	Mathematical Modeling for Nanofluids Simulation	Dr. KUSHAL SHARMA
MATHEMATICS	Modelling and simulation of fluid flow and heat transfer	Dr. KUSHAL SHARMA
MATHEMATICS	A study of multi-valued maps on metric spaces	Dr. VARUN JINDAL
MATHEMATICS	Function Spaces	Dr. VARUN JINDAL
MATHEMATICS	Application of fractional calculus and special functions in Mathematical modeling	Dr. SANJAY BHATTER
MATHEMATICS	Study of Generalized Special function and its applications	Dr. SANJAY BHATTER
MATHEMATICS	Meta Heuristic Optimisation and Applications	Dr. SANTOSH CHAUDHARY

MATHEMATICS	Computational Scheme for Partial Differential Equations	Dr. SANTOSH CHAUDHARY
MATHEMATICS	Generalized metric spaces and its applications	Dr. ANUBHA JINDAL
MATHEMATICS	Hyperspace topologies and its applications	Dr. ANUBHA JINDAL
MATHEMATICS	Stability of Dynamical Systems	Dr. OM P. SUTHAR
MATHEMATICS	Mathematical analysis of fluid flows using PDEs	Dr. OM P. SUTHAR
MECHANICAL ENGINEERING	Intelligent Machinery Fault Diagnosis	Dr. NARESH KUMAR RAGHUWANSHI
MECHANICAL ENGINEERING	Intelligent Vibration Control	Dr. NARESH KUMAR RAGHUWANSHI
MECHANICAL ENGINEERING	AI enabled Sustainable Health care waste management	Dr. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	Supply chain 4.0 for steel industry with Sustainability perspective	Dr. RAJEEV AGRAWAL
MECHANICAL ENGINEERING	Fatigue crack growth analysis using XFEM	Dr. GULAB PAMNANI
METALLURGICAL AND MATERIALS ENGINEERING	Mechanical characterization of additively manufactured Al-alloy	Dr. RAJESH KUMAR RAI
PHYSICS	Structural and optical studies of nanocrystals for optoelectronic application	Dr. SRINIVASA RAO NELAMARRI
PHYSICS	Investigation of ion beam irradiation induced modification of nanocrystalline films	Dr. SRINIVASA RAO NELAMARRI
PHYSICS	Development of composites for room temperature gas sensing	Dr. KANUPRIYA SACHDEV
PHYSICS	Exploring strategies for high performance energy storage device	Dr. KANUPRIYA SACHDEV
PHYSICS	Nanocarbon-based high-voltage supercapacitors	Dr. DEBASISH SARKAR
PHYSICS	Quantum materials for electrocatalytic Hydrogen generation	Dr. DEBASISH SARKAR
PHYSICS	Constraining neutrino masses from cosmology	Dr. AKHILESH NAUTIYAL
PHYSICS	Models of dark matter in the light of CMB and LSS observations	Dr. AKHILESH NAUTIYAL
PHYSICS	Topological Superconductivity in Condensed Matter Physics	Dr. MANOJ KUMAR
PHYSICS	Nanostructured Materials for Supercapacitors and Li-ion Batteries	Dr. MANOJ KUMAR
PHYSICS	Electrode materials for energy conversion and storage devices.	Dr. RAJNISH DHIMAN
PHYSICS	2D materials for metal-ion battery applications	Dr. RAJNISH DHIMAN
PHYSICS	Fabrication of Flexible and Durable Self-cleaning Surfaces	Dr. ANIRBAN DUTTA
PHYSICS	Electronic Properties of 2D Materials	Dr. ANIRBAN DUTTA

PHYSICS	Applications of Quantum Computing for Space Physics/Particle Physics	Dr. KAVITA LALWANI
PHYSICS	Artificial Intelligence (AI) for Particle Physics/Space Physics	Dr. KAVITA LALWANI
PHYSICS	Nanomaterials based catalyst for waste water treatment	Dr. KAMAKSHI
PHYSICS	Simulation of surface patterned membranes for technological applications	Dr. KAMAKSHI
PHYSICS	Flexible and wearable sensors for healthcare monitoring	Dr. KAMLENDRA AWASTHI
PHYSICS	MOF-derived nanostructures for flexible supercapacitors	Dr. KAMLENDRA AWASTHI

FOR PART TIME Ph.D.(ONLY FOR RESEARCH PERSONNEL PRESENTLY SERVING IN VARIOUS PROJECTS IN MNIT JAIPUR)		
Department/Centres	**Tentative Research Area of proposed Ph.D.**	**Faculty member Name**
ARCHITECTURE AND PLANNING	Planning for sustainable urban development including transportation	Dr. NAND KUMAR
ARCHITECTURE AND PLANNING	Planning for energy efficiency and management	Dr. NAND KUMAR
CENTRE FOR ENERGY AND ENVIRONMENT	Local Energy Communities	Dr. PARUL MATHURIA
CENTRE FOR ENERGY AND ENVIRONMENT	Demand Side Management	Dr. PARUL MATHURIA
CENTRE FOR ENERGY AND ENVIRONMENT	Electric Vehicle Charging	Dr. ROHIT BHAKAR
CENTRE FOR ENERGY AND ENVIRONMENT	Block Chain for Peer to Peer Energy Markets	Dr. ROHIT BHAKAR
CHEMICAL ENGINEERING	Greener approach for sensing and removal of noxious pollutants in mining wastewater	Dr. VIJAYALAKSHMI GOSU
CHEMICAL ENGINEERING	Hydrothermal carbonisation of sewage sludge	Dr. ROHIDAS GANGARAM BHOI
CHEMICAL ENGINEERING	Plasma pyrolysis of MSW to produce energy	Dr. ROHIDAS GANGARAM BHOI
CIVIL ENGINEERING	Environmental risk assessment	Dr. AMIT KUMAR
CIVIL ENGINEERING	Solid waste management	Dr. AMIT KUMAR
COMPUTER SCIENCE AND ENGINEERING	Machine learning models for pattern recognition in modern real world applications.	Dr. LAVIKA GOEL

COMPUTER SCIENCE AND ENGINEERING	Nature Inspired Optimization algorithms and its applications in smart farming, biomedical image processing, etc.	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Security Analysis of Smart Systems based on Network Traffic	Dr. SATYANDRA SINGH CHOUHAN
COMPUTER SCIENCE AND ENGINEERING	Deep Learning Based Network Traffic Analyis	Dr. SATYANDRA SINGH CHOUHAN
COMPUTER SCIENCE AND ENGINEERING	Developing a user-friendly Chatbot as the interface for Information Extraction in Natural Language	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND ENGINEERING	Demand Response Management Platform in Smart Grid for Effective Performancerid	Dr. NAMITA MITTAL
ELECTRICAL ENGINEERING	Electrical Vehicles Integration to Grid and its Power Quality Improvement	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Power Quality Improvement in AC-DC Converters	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Electric Vehicle Charging	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Block Chain for Peer to Peer Energy Markets	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Smart Grid	Dr. RAVITA LAMBA
ELECTRICAL ENGINEERING	Smart Energy Systems	Dr. RAVITA LAMBA
ELECTRONICS AND COMMUNICATION ENGINEERING	Analog and Digital VLSI Design	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Nano Electronics Device Modelling & Simulation	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Security analysis of smart systems	Dr. KULDEEP SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Network traffic based threat analysis in smart systems	Dr. KULDEEP SINGH
ELECTRONICS AND COMMUNICATION ENGINEERING	Emerging nano devices for memory application	Dr. MENKA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of Antenna for 5G or higher communication	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Design of frequency selective surface, absorber, rasorber surfaces	Dr. M. M. SHARMA
HUMANITIES AND SOCIAL SCIENCE	Indian Political Institutions and problem of insurgency and secessionism and Indian Judiciary	Dr. VIBHUTI SINGH SHEKHAWAT
HUMANITIES AND SOCIAL SCIENCE	Indian Political Institutions and problem of insurgency and secessionism and Indian Judiciary	Dr. VIBHUTI SINGH SHEKHAWAT
HUMANITIES AND SOCIAL SCIENCE	CALL/MALL in English Language Teaching	Dr. NIRAJA SARASWAT
HUMANITIES AND SOCIAL SCIENCE	Language and Culture	Dr. NIRAJA SARASWAT
HUMANITIES AND SOCIAL SCIENCE	Contemporary English Fiction	Dr. PREETI BHATT
HUMANITIES AND SOCIAL SCIENCE	Literature of the Marginalized	Dr. PREETI BHATT
MANAGEMENT STUDIES	Corporate Finance	Dr. SHRIDEV
MANAGEMENT STUDIES	Behavioural Finance	Dr. SHRIDEV

MATERIAL RESEARCH CENTER	Phase Stability of highly immiscible system: A case study of Cu-Ta alloy	Dr. NISHA VERMA
MECHANICAL ENGINEERING	MEASUREMENT OF MUSCULOSKELETAL DISORDERS AMONG CARPET WEAVERS AND ERGONOMIC INTERVENTION OF CARPET WEAVING HAND TOOLS	Dr. MAKKHAN LAL MEENA
MECHANICAL ENGINEERING	Tribology of Hybrid polymer composites for wind blade applications	Dr. AMAR PATNAIK
MECHANICAL ENGINEERING	Design and development of composites for wind blade tribology analysis	Dr. AMAR PATNAIK
METALLURGICAL AND MATERIALS ENGINEERING	Development of high entropy alloy components for aerospace applications	Dr. RAJESH KUMAR RAI

Ph.D. Topic Visvesvaraya Ph.D. Scheme for Electronics and IT : Phase II of MietY		
Department	**Tentative Research Area of proposed Ph.D.**	**Faculty Member**
ELECTRONICS AND COMMUNICATION ENGINEERING	Flexible electronics	Dr. RITU SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Signal processing	Dr. TARUN VARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	MEMS	Dr. TARUN VARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Artificial Intelligence, 5G Communication	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	RF/Wireless Communications	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	AI & Machine Learning	Dr. M. M. SHARMA
ELECTRONICS AND COMMUNICATION ENGINEERING	Human Machine Interaction for prosthetic application	Dr. AMIT MAHESH JOSHI
ELECTRONICS AND COMMUNICATION ENGINEERING	Image Processing/DSP	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	Distributed Computing, Data mining	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	AI & Machine Learning.	Dr. SATYASAI JAGANNATH NANDA
ELECTRONICS AND COMMUNICATION ENGINEERING	Analog and Digital VLSI Design	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Device Modeling and Simulation	Dr. BHARAT CHOUDHARY
ELECTRONICS AND COMMUNICATION ENGINEERING	Design and development of receivers for optical wireless communications	Dr. RAVI KUMAR MADDILA
ELECTRONICS AND COMMUNICATION ENGINEERING	Electromagnetic Interference (EMI)	Dr. RAJENDRA MITHARWAL
ELECTRONICS AND COMMUNICATION ENGINEERING	5G, RF/Wireless Communication	Dr. R. P. YADAV
ELECTRONICS AND COMMUNICATION ENGINEERING	VLSI Design Modeling &	Dr. MENKA
ELECTRONICS AND	Simulation Sensor Design	Dr. MENKA

COMMUNICATION ENGINEERING		
ELECTRONICS AND COMMUNICATION ENGINEERING	Analog Integrated Circuits	Dr. D. BOOLCHANDANI
ELECTRONICS AND COMMUNICATION ENGINEERING	Application of Cognitive Approaches to VLSI//IoT	Dr. VINEET SAHULA
ELECTRONICS AND COMMUNICATION ENGINEERING	Application of Cognitive Approaches to language processing/Graphs	Dr. VINEET SAHULA
ELECTRONICS AND COMMUNICATION ENGINEERING	AI/ML application to IoT	Dr. LAVA BHARGAVA
COMPUTER SCIENCE AND ENGINEERING	Automated vulnerability analysis in binaries	Dr. VIJAY LAXMI
COMPUTER SCIENCE AND ENGINEERING	Explainable AI framework for hybrid malware analysis	Dr. VIJAY LAXMI
COMPUTER SCIENCE AND ENGINEERING	Sanitizing open source code against vulnerabilities and exploits	Dr. VIJAY LAXMI
COMPUTER SCIENCE AND ENGINEERING	Precision Agriculture using Computer Vision	Dr. ASHISH KUMAR TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Deep Learning for Thermal Image Processing	Dr. ASHISH KUMAR TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Deep Learning for Modern Computer Vision Tasks	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Explainable Machine / Deep Learning	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Biomedical Image Processing	Dr. DEEPAK RANJAN NAYAK
COMPUTER SCIENCE AND ENGINEERING	Machine learning based security solutions for IoT and VANET	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Security and Privacy issues in next generation vehicular ad hoc network	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Federated Learning for IoT Applications	Dr. JYOTI GROVER
COMPUTER SCIENCE AND ENGINEERING	Deep learning for pattern recognition	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Optimization algorithms	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Remote sensing	Dr. LAVIKA GOEL
COMPUTER SCIENCE AND ENGINEERING	Machine / Deep Learning on Graphs (Graph Neural Networks) and their real-world applications (like social network analysis, NLP, recommendations, and more).	Dr. MAHIPAL PRITHVISINH JADEJA
COMPUTER SCIENCE AND ENGINEERING	Machine learning techniques for vulnerability analysis in Networks	Dr. MEENAKSHI TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Blockchain and smart contract security analysis	Dr. MEENAKSHI TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Solving challenges of Software Defined Networks	Dr. MEENAKSHI TRIPATHI
COMPUTER SCIENCE AND ENGINEERING	Machine / Deep Learning,	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND ENGINEERING	Natural Language Processing	Dr. NAMITA MITTAL

COMPUTER SCIENCE AND ENGINEERING	Generative AI.	Dr. NAMITA MITTAL
COMPUTER SCIENCE AND ENGINEERING	Palm print based authentication	Dr. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	Deep Learning Techniques for recommender systems	Dr. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	ML techniques for high dimensional data visualization	Dr. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	Video Analytics	Dr. NEETA NAIN
COMPUTER SCIENCE AND ENGINEERING	Dark Web (Security)	Dr. PILLI EMMANUEL SHUBHAKAR
COMPUTER SCIENCE AND ENGINEERING	Quantum Machine Learning	Dr. PILLI EMMANUEL SHUBHAKAR
COMPUTER SCIENCE AND ENGINEERING	Blockchain	Dr. PILLI EMMANUEL SHUBHAKAR
COMPUTER SCIENCE AND ENGINEERING	Post Quantum Cryptography	Dr. RAMESH BABU BATTULA
COMPUTER SCIENCE AND ENGINEERING	Differential privacy for AI	Dr. RAMESH BABU BATTULA
COMPUTER SCIENCE AND ENGINEERING	Detection and Analysis of Hardware Trojan	Dr. SMITA NAVAL
COMPUTER SCIENCE AND ENGINEERING	Vulnerability Analysis of IoT Devices running Android OS	Dr. SMITA NAVAL
COMPUTER SCIENCE AND ENGINEERING	Blockchain Security	Dr. SMITA NAVAL
COMPUTER SCIENCE AND ENGINEERING	Natural Language Processing	Dr. YOGESH KUMAR MEENA
ELECTRICAL ENGINEERING	Machine Intelligence for Healthcare	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Learning based Robotic Systems	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Automation and Cybersecurity for Power Industry	Dr. RAJESH KUMAR
ELECTRICAL ENGINEERING	Block Chain for Peer to Peer Energy Markets	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Grid Security under Cyber Attacks	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Big Data analysis using Smart Meter Data	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Virtual Energy Storage Systems	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Data Driven Grid Security	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Modelling Cyber Physical Systems for Grid Management	Dr. ROHIT BHAKAR
ELECTRICAL ENGINEERING	Smart Grid	Dr. ANIL SWARNKAR
ELECTRICAL ENGINEERING	Virtual Energy Storage	Dr. ANIL SWARNKAR
ELECTRICAL ENGINEERING	Smart Grid	Dr. NIKHIL GUPTA
ELECTRICAL ENGINEERING	Virtual Energy Storage	Dr. NIKHIL GUPTA

ELECTRICAL ENGINEERING	AI & Machine Learning Application to Electric Vehicle and Battery Management System	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	Smart Grids	Dr. SARAVANA PRAKASH P
ELECTRICAL ENGINEERING	AI & Machine Learning Solutions for Smart Grid Challenges	Dr. PRERNA JAIN
ELECTRICAL ENGINEERING	Cyber Physical Energy System	Dr. MAN MOHAN GARG
ELECTRICAL ENGINEERING	Smart Grids	Dr. MAN MOHAN GARG
ELECTRICAL ENGINEERING	Cybersecurity of Power System	Dr. SATISH SHARMA
ELECTRICAL ENGINEERING	Signal processing and machine learning application	Dr. HEMANT KUMAR MEENA

12. GENERAL INFORMATION

(a) 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.

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

(c) 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/EWS 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, 2023.**

(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.

13. FEES

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

14. 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.

15. 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.

16. IMPORTANT INSTRUCTIONS

a. The candidates are advised to read each and every instruction given in this Information Brochure very carefully before filling-up the Application Form.

b. The application fee of Rs. 1000/- for General/OBC/EWS category and Rs. 500/- for SC/ST category candidates is to be deposited online only while submitting the application.

c. The candidate must keep a photocopy of the form for future reference.

d. Scrutiny of application shall be done solely on the basis of information submitted by you in the application form, hence fill it very carefully. If at any stage of admission process a candidate is found not to meet the eligibility criteria, have hidden/submitted incorrect information, the candidature of the candidate will be summarily cancelled.

e. Request for change of category received after the last date will not be accepted under any circumstances.

f. Self attested photo stat copies of the certificates/testimonials and all 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 isacceptable in support of the age/date of birth.

ii. Provisional/Final Degree certificate/Migration Certificate must be attached.

iii. The Marks Sheet/Grade Card of Qualifying Examination including Diploma if applicable.

iv. Character Certificate from the Director/Dean of Students Affairs of the Institute from where the candidate has graduated (For all candidates).

v. Character Certificate from two persons of repute where the candidate has been residing for the last two years (For part-time course applicants only).

vi. Certificate from the employer on the official stationary and rubber stamp of the organization/institution (For full-time sponsored/part-time candidates only).

vii. Candidate needs to submit a statement about research proposal (in not more than 500 words) for the topic chosen as first priority. It MUST be attached with application. This will have due weightage during process of screening/selection process..

h. In case the candidate is seeking admission as a sponsored candidate, he/she should submit a certificate from his/her present employer on official stationary with rubber stamp that he/she will be sponsored on deputation/study leave/extra ordinary leave with permission to attend the full time 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/AdministrativeOfficer 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 2023]

This is to certify that Shri/Smt./Kum._____Son/Daughter of Shri/Smt .

_____ of Village/Town _____

District/Division_____in the_____State/UT belongs

to the_____Community which is recognized as a backward class under:

(i) Resolution No. 12011/68/93-BCC(C), dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186, dated 13/09/93.
(ii) Resolution No. 12011/9/94-BCC, dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163, dated 20/10/94.
(iii) Resolution No. 12011/7/95-BCC, dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88, dated 25/05/95.
(iv) Resolution No. 12011/96/94-BCC, dated 9/03/96.
(v) Resolution No. 12011/44/96-BCC, dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 11/12/96.
(vi) Resolution No. 12011/13/97-BCC, dated 03/12/97.
(vii) Resolution No. 12011/99/94-BCC, dated 11/12/97.
(viii) Resolution No. 12011/68/98-BCC, dated 27/10/99.
(ix) Resolution No. 12011/88/98-BCC, dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270, dated 06/12/99.
(x) Resolution No. 12011/36/99-BCC, dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71, dated 04/04/2000.
(xi) Resolution No. 12011/44/99-BCC, dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 21/09/2000.
(xii) Resolution No. 12016/9/2000-BCC, dated 06/09/2001.
(xiii) Resolution No. 12011/1/2001-BCC, dated 19/06/2003.
(xiv) Resolution No. 12011/4/2002-BCC, dated 13/01/2004.
(xv) Resolution No. 12011/9/2004-BCC, dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 16/01/2006.
(xvi) Resolution No. 12015/2/2007-BCC, dated 18/08/2010.
(xvii) Resolution No. 12015/2/2007-BCC, dated 11/10/2010.
(xviii) Resolution No. 12015/13/2010-BC-II, dated 08/12/2011.
(xix) Resolution No. 12015/05/2011-BC-II, dated 17/02/2014.
(xx) Resolution No. 12011/6/2014-BC-II, dated 07/12/2016.

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

Place_____ **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, 2023.

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 1st Commissioner/Dy.Collector/ 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 institute assistantship during the period of my study at MNIT. (except top up grants from Institute Project/Industry and income from participating in consultancy projects of faculty of the Institute)

2. I shall not accept and join any job without obtaining prior permission of the institute.

3. I understand that I shall not be permitted to leave the programme midway and shall complete my programme successfully. Failing which I shall pay back entire assistantship received from the institute by me.

4. I also understand that in case I withdraw from the enrolled programme, the caution money shall not be refunded to me.

Signature of the student 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 2023

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 I8 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