



माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

Deemed University
NAAC ACCREDITED WITH A++ Grade
Gola Ka Mandir, Gwalior (M.P.)- 474005, INDIA
Ph.:+91-751-2409300, E-mail: vicechancellor@mitsgwalior.in, Website: www.mitsgwalior.in



Ref. No. Advt./Acad/2024/02

Date: 05/12/2024

Advertisement for admission to Ph.D. Programme (2024-25) in the Thrust Areas

Applications are invited for admission to Doctor of Philosophy (Ph.D.) programme in various interdisciplinary Thrust areas of Engineering & Technology and Engineering Sciences. The selected candidates are expected to apply their skills and conduct innovative research for addressing real-world challenges within the following key thrust areas of the related R&D groups:

Discipline	Research and Development Groups
Engineering & Technology (Civil/CSE/IT/Electronics /Electrical/Mechanical /Chemical/AI/IoT /Mathematics & Computing/ Computer Application)	Convergence Communications & Technologies Group Next Generation Networks (NGN) and Communication Technologies, 6G and beyond, Green Communications, Quantum Communication, Cyber Physical System and Machine to Machine Communication
	Emerging Technologies Group Artificial Intelligence, Natural Language Processing, Blockchain Technology, Internet of Things for societal applications & disaster management, Robotics and IoT integrated smart buildings
	Smart Energy Systems Group Smart Energy and Control Systems, Power Electronics and Microgrid / Smartgrid, Sensors & Sensing Technologies for Green Energy, Hydrogen and fuel cell technologies
	Sustainable Development Group Sustainable Environmental Solutions, Sustainable Green Concrete, Climate Change and Extreme Events, Circular Economy
	Nano Science and Advanced Material Group Nano-X (Nano scale materials and devices), Nano Fluid Flows, Integrated Computational Engineering (ICE) and High-Performance Materials for Energy Conversion.
Engineering Sciences (Mathematics/ Applied Sciences/ Mechanical Engineering)	

Candidates are required to submit the application in any one of the thrust areas under the above mentioned R&D groups in the prescribed proforma available on the Institute website along with application fee and testimonial on or before 07-01-2025 (upto 04:00 PM) in the office of the Dean, Faculty of Engineering & Technology, Madhav Institute of Technology & Science-Deemed University, Gwalior-474005 (M.P.).

Important Dates for Admission:

Commencement of Application Submission	06-12-2024
Last date of Application Submission	07-01-2025
Releasing list of shortlisted applicants for PPQE (Written Test)	17-01-2025 (Tentative)
Written-cum-Interview	23-01-2025 & 24-01-2025 (Tentative)

Written Test will be conducted in the discipline of the qualifying degree (as outlined in the admission procedure) for the candidates without valid UGC-NET/UGC-CSIR NET/GATE/CEED or similar National level tests score irrespective of the applying thrust area.



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A. Application Procedure & Important Guidelines

- Eligible Candidates are required to submit the application form in prescribed format as per the schedule. Candidates are required to pay application fee of Rs. 1000/- for General/OBC candidates and Rs.500/-for SC/ST candidate through DD in favour of Director, Madhav Institute of Technology & Science, (Deemed University), Gwalior.
- Candidates are advised to check the eligibility before filling the application form.
- The candidate, who has appeared this year in the qualifying examinations, will also be considered for admission. However, if selected for admission, such candidate will be admitted provisionally, subject to condition that:
 - (i)He/she shall submit the copy Mark sheet/Degree of the qualifying examination before registration for the programme.
 - (ii)He/ she shall meet the eligibility criteria.
- The list of shortlisted/selected candidates shall be placed on MITS-DU's web site <https://web.mitsgwalior.in/>
- Shortlisted candidates must bring original documents of their academic credentials, applicable scorecards (check the advertisement), category certificate, experience certificate for verification and **no objection certificate** (only for part-time scholars).
- No TA/DA will be admissible for attending written test/interview (if applicable).
- No separate call letter will be issued from the Institute for Written test / interview.
- The admissions and Ph.D. Degree shall be as per MITS-DU ordinance for Ph.D. Programme.
- For fees details, please visit the website of the MITS-DU <https://web.mitsgwalior.in/admission/fee-structure>
- Candidates selected for admission will be required to deposit requisite fee and complete the formalities for registration in the MITS-DU as per schedule.
- If the candidate does not deposit the requisite fee and fails to appear in the counselling process as per the notified schedule on the institute website, his/her candidature shall be considered cancelled.

B. Financial Assistance and other support

- Limited scholarship will be offered only to full time eligible deserving research scholars based on merit/other institutional criteria's with Teaching load/Lab load as per the norms.

C. Eligibility Criteria and Admission Procedure

Educational Qualifications for Admission	An applicant possessing the prescribed qualifications as mentioned below shall be eligible for admission to a PhD programme of the MITS-DU. <ul style="list-style-type: none">• The applicant must have a master's degree in engineering/technology/M.Sc. (in relevant discipline)/MCA in the relevant area of research with at least 55% marks in
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	<p>aggregate or its equivalent grade in the UGC 10- point scale (or an equivalent grade in a point scale wherever grading system is followed).</p> <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• Equivalent qualification from a foreign educational institution approved by Association of Indian Universities (AIU) accredited by an assessment and accreditation agency which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.• Applicants having only B.E./B.Tech. degree are also eligible for the Ph.D. admission subject to 75% or equivalent CGPA in B.E./B.Tech. with a valid UGC-NET/UGC-CSIR NET/GATE/CEED or similar National level tests score. The requirement for valid UGC-NET/UGC-CSIR NET/GATE/CEED or similar National level tests score can be exempted for the applicants having B.Tech. or Equivalent degree from Centrally Funded Technical Institutions (CFTIs)/ Higher Education Institutions (HEIs) / Reputed Institutions/Universities accredited with minimum NAAC grade 'A', and CGPA 7.5 or above at B.Tech. level.• A relaxation of marks, may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/Differently-abled, Economically Weaker Section (EWS) and other categories of candidates as per the UGC Guidelines from time to time.• Notwithstanding anything contained in the UGC Regulations or any other law, for the time being in force, no Ph.D. programmes through distance and/or online mode shall be conducted.
Admission Procedure	<p>The admission shall be based on the criteria notified by the MITS-DU from time to time, keeping in view the guidelines/norms in this regard issued by the UGC and other statutory/regulatory bodies concerned, and taking into account the reservation policy as applicable from time to time.</p> <ul style="list-style-type: none">• Admission to the Ph.D. programme shall be made using the following methods:<ol style="list-style-type: none">i. Students who qualify for fellowship/scholarship in UGC-NET/UGC-CSIR NET/GATE/CEED or similar National level tests based on an interview. <p style="text-align: center;">and/or</p>



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ii. Students through a PhD Pre-Qualifying Exam (PPQE) conducted by MITS-DU.

iii. Students qualifying the PPQE shall be eligible to be called for the interview.

iv. A relaxation of marks will be allowed in the PPQE for the candidates belonging to SC/ST/OBC/differently abled category, EWS and other categories as per the UGC Guidelines from time to time.

v. MITS-DU may decide the number of eligible students to be called for an interview based on the number of Ph.D. seats available.

vi. Provided that for the selection of candidates based on the weightage of 70 % for the qualifying test (UGC-NET/UGC-CSIR NET/GATE/CEED/PPQE or similar National level tests) and 30 % for the performance in the interview/viva-voce/presentation shall be given.

vii. Mere short-listing of an applicant does not confirm admission to PhD programme. The admission shall be solely based upon the performance of individuals during “presentation and interview” and availability of the Supervisor in the proposed area of research.

- All the applied/ selected candidates will be governed by the rules and regulations of the PhD Ordinance as applicable from time to time. **Any amendments made in the ordinance and applicable to the existing candidates shall be binding.**
- **Pre-PhD Qualifying Exam (PPQE):** The candidates who have not qualified UGC-NET/UGC-CSIR NET/GATE/CEED or similar National level tests shall be required to appear in a PPQE organized by the MITS-DU. The PPQE may be of Multiple-Choice Question (MCQ) Mode. **The syllabus shall consist of questions based on research/analytical/comprehension/quantitative aptitude and subject specific. The syllabus for the written test will be the same as the latest GATE/NET syllabus in the related branch of Engineering/ Technology/ Science.** A candidate must qualify the PPQE as per norms to be eligible for the interview.
- **Interview:** The eligible candidates who have qualified the PPQE or have a valid UGC-NET/UGC-CSIR NET/GATE/CEED or similar National level test score shall be called for the interview. At the time of interview, candidates



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	may be asked to discuss their research interest/area in the form of a presentation.
Admission	Candidates whose selection is recommended by the Interview Board and approved by the Vice-Chancellor shall be admitted and advised to deposit prescribed fees.

D. Check List of Documents required at the time of Interview/ Counselling at MITS-DU

S.No	Documents
1.	Original UGC-NET/UGC- CSIR NET/GATE/ CAT/MAT/ CMAT/GMAT/ similar National level tests Score Card (if applicable).
2.	Proof of Date of Birth (like Certificate/Mark-sheet of HSC/HSSC Examination)
3.	Qualifying Degree
4.	Mark sheets of all the years of qualifying degree.
5.	Caste Certificate (in case of SC/ST/OBC candidates of M.P. state).
6.	Candidates who have acquired qualifying degree from a self-financed Institution (out of M.P.) are required to ensure about AICTE approval of the Institute from the Head of the concerned Institution.
7.	Transfer Certificate and Character Certificate from the Principal/Director of the College last attended.
8.	Migration Certificate.
9.	One passport size self-photographs
10.	Aadhar Card
11.	PAN card
All the documents must be in original. All documents except Transfer Certificate and Migration Certificate will be returned after verification. Candidate must bring one set of self-attested photocopies of all the documents.	

In case of any query related to the Ph.D. Programme admission, you may contact at phdadmission@mitsgwalior.in.