

 <p>विश्वजीवनामृतं ज्ञानम्</p>	<p><b>ABV-Indian Institute of Information Technology and Management Gwalior</b> (An Institute of National Importance, MoE, GoI) Morena Link Road, Gwalior 474 015, Madhya Pradesh <a href="https://www.iiitm.ac.in">https://www.iiitm.ac.in</a> Telephone: 0751-2449704/720 Email: <a href="mailto:phdadmission@iiitm.ac.in">phdadmission@iiitm.ac.in</a></p>
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Advt No. 687

Date 03.03.2023

**Advertisement for Full-Time/Part-Time Ph.D. Programme July, 2023**

Institute invites applications for admission to **Full-Time/Part-Time Ph.D. programme** in the field of Engineering, Management, and Applied Sciences. The discipline-wise eligibility criteria for admission to the **Full-Time Ph.D.** programme are as follows:

- **For Engineering:** Candidates must have a M.Tech/ M.S./ M.E. or any other equivalent qualification recognized by the institute with a minimum of 65% marks or CGPA of 7.00 on a 10 point scale in qualifying degree in CSE (Computer Science and Engineering)/IT (Information Technology)/EEE (Electrical and Electronics Engineering) /ECE (Electronics and Communication Engineering) with first division at undergraduate (B.E./B.Tech) level. Additionally, the candidates must have qualified the GATE/NET examination. The requirement for GATE/NET can be exempted for the candidates having both the Master's and the B.Tech with CPI 8.0 or above. Exceptionally good candidates having a bachelor's degree with CPI 8.0 or above and a valid GATE score may also be considered for the Ph.D. admission.
- **For Management:** Candidates must have-
  1. M.Tech./M.E./M.D. or equivalent with First division (minimum 65% marks) or 6.75 CGPA on a 10-point scale & GATE score or equivalent for medicine
  2. M.Sc./MBA/M.A./ MBBS or equivalent with First division (minimum 60% marks) or 6.75 CGPA on a 10-point scale & valid CAT/GMAT/GRE Score or JRF/ICAR/ICMR/DST fellowship or exams like CSIR/UGC NET.
  3. B.E. or B.Tech equivalent with 75% marks or 8.0 CGPA on a 10-point scale & Valid GATE score.
- **For Applied Sciences:** Candidates must have M.Sc./M.Tech./M.E. or any other equivalent qualification recognized by the institute with a minimum of 65% marks or CGPA of 7.00 on a 10 point scale in qualifying degree in Physics/Applied Physics/ /Engineering Physics/Computational Physics and Mathematics/ Nano science & Technology /Nano Biotechnology/Materials Science/Quantum Computing/ Mathematics/Applied Mathematics/Engineering Mathematics/Industrial Mathematics or any other branch related to Physics/Mathematics with first division at undergraduate (B.Sc./B.E./B.Tech) level. Additionally, the candidates must have qualified the GATE/NET examination. However, the requirement for GATE/NET can be exempted for the candidates having both the Master's degree and Undergraduate degree (B.Sc., B.Tech., B.E.) with 75% or CGPA 8.0 or above.

## Eligibility Criteria for the Part-Time Ph.D. Programme

The institute invites applications from professionals working in **Industries/Academic Institutions/ Research and Development (R&D) Section** for admission to **Part-Time Ph.D. programme** in the areas specified below. Candidates working in emerging industry related research in connection to the research areas mentioned below are encouraged to apply. However, applicants must have a minimum of two (02) years of experience in a relevant area after his/her PG degree. The minimum PG qualification would be relaxed to UG qualification (only for B.E./B.Tech background) for candidates having a minimum of five (05) years of experience in total from **Industry/Academic Institutions/Research & Development (R&D)**. The other eligibility criteria for admission to **Part-Time Ph.D. programme** are as follows:

- **For Engineering:** Candidates must have a M.Tech/ M.S./ M.E. or any other equivalent qualification recognized by the institute with a minimum of 65% marks or CGPA of 7.00 on a 10 point scale in qualifying degree in CSE (Computer Science and Engineering)/IT (Information Technology)/EEE (Electrical and Electronics Engineering) /ECE (Electronics and Communication Engineering) with first division at undergraduate (B.E./B.Tech) level.
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- **For Management:** Candidates must have-
  1. M.Tech./M.E./M.D. or equivalent with First division (minimum 65% marks) or 6.75 CGPA on a 10-point scale.
  2. M.Sc./MBA/M.A./ MBBS or equivalent with First division (minimum 60% marks) or 6.75 CGPA on a 10-point scale.
  3. B.E. or B.Tech equivalent with 75% marks or 8.0 CGPA on a 10-point scale.
- **For Applied Sciences:** Candidates must have M.Sc./M.Tech./M.E. or any other equivalent qualification recognized by the institute with a minimum of 65% marks or CGPA of 7.00 on a 10 point scale in qualifying degree in Physics/Applied Physics/ /Engineering Physics/Computational Physics and Mathematics/ Nano science & Technology /Nano Biotechnology/Materials Science/Quantum Computing/ Mathematics/Applied Mathematics/Engineering Mathematics/Industrial Mathematics or any other branch related to Physics/Mathematics with first division at undergraduate (B.Sc./B.E./B.Tech) level.
- The candidate must produce **NOC from the current organization**.

### For Sponsored Project Employee

- Any employee working under the sponsored project at ABV-IIITM Gwalior may also apply for the Ph.D. programme under the supervision of corresponding project investigator(s) subjected to the availability of funding for approximately two years after the date of selection. The candidate(s) fulfilling the eligibility criteria for Ph.D. admission and recommended by the concerned PI can apply for the Ph.D. programme at any time, the selection will be done by a committee duly constituted by competent authority. The selected candidate(s) will not get any financial support from the institute during the entire Ph.D. programme. In case of the project completion, the candidate may continue his/her research work under the same supervisor. However, the supervisor may support the candidate from other project funding or candidate may continue the programme as self-sponsored or request to convert his/her Ph.D. from full time to part time programme.

- In all the above cases, the reservation and relaxation for reserved categories (SC/ST/OBC/PwD/EWS) will be given as per GoI norms.

### **Research areas in different disciplines:**

- **Engineering:** Microelectronics/VLSI/Embedded Systems, Computer Architecture, Computer Vision, Algorithms, Signal and Image Processing, Robotics, Communication, Networks, Wireless Sensor Networks, IoT, Cyber Physical Systems, Mobile Computing, Grid Computing, Information Security, Soft Computing, Data Mining, Machine Learning, Database/WEB/Multimedia Technologies, Distributed Computing, Analytics, Artificial Intelligence, Cloud Computing, Bigdata, Blockchain, Control and autonomous systems, Health Information and Text/Multimedia Analytics, Medical Imaging, Algorithmic Game Theory, Software Engineering, Reliability Engineering, Multimedia Forensic, etc.
- **Management:** Sustainable supply chains, Healthcare service supply chains, Artificial Intelligence for business management, Data Science driven business processes, Digital supply chains. Operations management, Marketing management, Finance, Information Systems Management, Human Resource Management, Organization Behavior, Business Economics, e-Governance, Environment Management, Technology Management, Management of Informal Sector, Project Management, Entrepreneurship, International Business, System Dynamics, Business Analytics, etc.
- **Applied Sciences:** Condensed Matter Physics/ Applied Physics/Materials Science / Nanoscience & technology / Computational Physics / Nanoelectronics / Device Modeling/ Engineering Physics/ Quantum Computing/ Nano Biotechnology/ Biophysics/ Energy-Storage, materials/Mathematics/ Applied Mathematics/ Operations Research/ Engineering Mathematics/ Reliability/ Applied Statistics/ Soft Computing Applications/ Fuzzy Optimization. Cryptography/ Modelling and Simulation/Computational Mathematics/ Mathematical Biology/ Dynamical Systems/ Functional Analysis/ Wavelets Analysis/Fuzzy Mathematics.

### **Guidelines for Applying:**

- Candidates are required to fill the online application form available at the institute website: [www.iiitm.ac.in](http://www.iiitm.ac.in). It is **NOT REQUIRED** to send the form by post. However, the candidate must bring a self-attested copy of the original application form at the time of the interview. Also bring two (02) recent passport size colour photographs at the time of the interview.
- Application fee of Rs 500 (For GEN/OBC/EWS) and Rs 250 (for SC/ST/PwD) should be deposited through online payment gateway available at <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>
- Candidates must specify areas of research in the application form.
- Selection will be based on previous academic records and/or performance in the interview.
- **List of shortlisted candidates for the interview will be posted on the institute website. No separate intimation will be sent to the applicants.**
- The mentioned qualification is indicative of eligibility criteria. The shortlisting criteria may be higher.

- The candidates are required to visit the institute website regularly for any updates.
- Candidate must upload scanned copy of their academic credentials, score card (GATE/NET/CAT/ etc), category certificate (In case of OBC-NCL/EWS, certificate must be issued after 1<sup>st</sup> April 2023), experience certificate, no-objection certificate (only for part-time students), and Ph.D. application fee receipt at the time of applying. Failing which the candidate's application may be rejected. Moreover, **the originals will be required at the time of the interview.**

**Fellowship & Accommodation for Full-Time Candidates:**

- The selected candidates shall be entitled for fellowship (except institute project employee) as per GoI norms.
- The institute project employee will get assistantship from project funding subjected to the availability of the funding (see the eligibility criteria for more detail)
- This programme being residential and so, the Ph.D. scholars will be provided accommodation in hostels as per the institute norms. Limited number of accommodations is also available for married candidates.

**General Rules for Part-Time Candidates:**

- The applicant should ensure that his/her official duties permit the candidate to devote sufficient time to the research.
- Facilities for pursuing research work are available at the applicant's place of work recognized for the chosen field of research.
- The candidate has to complete the course work assigned by the institute.

**Important Dates:**

Online form fill begins	April 03, 2023 (Monday)
Last date of application submission	May 01, 2023 (Monday)
Online update about shortlisted candidates	May 10, 2023 (Wednesday)
Interview	May 18, 2023 (Thursday). However, it may continue till 19 <sup>th</sup> May 2023.

**Joint Registrar  
(Academics)**