



ABV-Indian Institute of Information Technology and Management
Morena Link Road, Gwalior - 474 015, Madhya Pradesh
(An Institute of National Importance, MoE, GoI)

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Advt. No. 3369

Date: 22/03/2024

Advertisement for admission in Full-Time/Part-Time Ph.D. Programme, July 2024

ABV-IIITM Gwalior invites applications for the **Doctor of Philosophy (Ph.D.)** program (**Full-Time/Part-Time**) in various disciplines and interdisciplinary areas. The award of this degree is in recognition of high academic achievements, independent research, and application of knowledge to solve real-life research problems in engineering, sciences and management.

A. Important Guidelines for Ph.D. Application

- The applicants are required to fill out the online application form available at the institute website: www.iiitm.ac.in. It is **not required** to send the form by post. However, the applicant must bring a self-attested copy of the original application form at the time of the interview.
- Application fee of Rs 500 (For GEN/OBC/EWS) and Rs 250 (for SC/ST/PwD) categories should be deposited through an online payment gateway available on the home page of the institute website.
- The applicants need to bring two (02) recent passport-size colour photographs at the time of presentation-cum-interview.
- Selection of shortlisted applicants will be based on previous academic records and/or performance in the presentation-cum-interview. The shortlisting criteria may be higher than the minimum eligibility requirements.
- Shortlisted applicants must bring a copy of their academic credentials, applicable scorecards (check the advertisement), category certificate, experience certificate, no-objection certificate (only for part-time scholars), and Ph.D. application fee receipt at the time of interview. Failing which, the applicant will not be allowed for the interview. **Also, bring all the original documents for verification.**
- Seats are reserved for Economically Weaker Sections (EWS)/Other Backward Class Non-Creamy Layer (OBC-NCL)/Schedules Caste (SC)/Scheduled Tribe (ST) and Person with Benchmark Disability (PwD) categories as per Government of India norms.
- The applicants need to regularly visit the Institute website for results/important announcements.

B. Important Dates for Admission:

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| Beginning of online application form filling | 22 Mar 2024 (Fri) |
| Last date of submission of online application form | 22 Apr 2024 (Mon) |
| Releasing list of shortlisted applicants | 03 May 2024 (Fri) |
| Presentation-cum-Interview | 17-18 May 2024 (Fri-Sat) |

C. Eligibility Criteria for admission to Full-Time Ph.D. programs:

C1. For Engineering Departments:

- (a) An applicant having a master's degree in Engineering/Technology/ Electronics/ Mechatronics 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 the qualifying degree. Additionally, the applicants must have qualified the GATE/NET exam.
- (b) Applicants who have only B.Tech. degree are also eligible for the Ph.D. admission subject to 75% marks or 8.0 CGPA in B.Tech. with a valid GATE Score.
- (c) The requirement for GATE can be exempted for the applicants having B.Tech. or Equivalent degree from Centrally Funded Technical Institutions (CFTIs) with CGPA 8.0 or above at B.Tech. level.

C2. For the Department of Management Studies:

- (a) M.Tech./M.E./M.D. or equivalent with first division (minimum 60% marks) or 6.75 CGPA on a 10-point scale and possess a GATE score or equivalent examination for medicine.
- (b) M.Sc./MBA/M.A./MBBS or equivalent with first division (minimum 60% marks) or 6.75 CGPA on a 10-point scale and National Level examination like CSIR/UGC NET or JRF/ICAR/ICMR/DST fellowship or having valid CAT/GMAT/GRE score.
- (c) B.E. or B.Tech. equivalent with 75% marks or 8.0 CGPA on a 10-point scale and possess a valid GATE score. The GATE requirement is waived for candidates from CFTI with 8.0 CGPA

C3. For the Department of Engineering Sciences:

- a) Applicants must have an 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 a qualifying degree in Mathematics/ Applied Mathematics/ Engineering Mathematics/ Industrial Mathematics/Physics/Applied Physics/Engineering Physics/Nanoscience & Technology/Materials Science/Quantum Computing or any other branch related to Mathematics/Physics with first division at undergraduate (B.Sc./B.E./B.Tech.) level. Additionally, the applicants must have a GATE/NET score.
- b) Applicants who do not have a master's degree are also eligible for Ph.D. admission subject to the 75% marks in B.Tech. Additionally, the applicants must have a valid GATE/NET score.
- c) The requirement for GATE can be exempted for the applicants having B.Tech. or Equivalent degree from Centrally Funded Technical Institutions (CFTIs) with CGPA 8.0 or above at B.Tech. level.

D. Eligibility Criteria for admission to Part-Time Ph.D. programs:

Institute invites applications from professionals working in Industries / Academic Institutions / Research and Development (R&D) Section for admission to Part-Time Ph.D. programme. Applicants working in emerging industry-related research in connection to the research areas of the institute 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 applicants 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:

D1. For Engineering Departments:

Applicants must have a M.Tech. degree in engineering/Technology 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. Applicants who do not have M.Tech. degree are also eligible for the Ph.D. admission subject to 75% marks or CGPA 8.0 and above in B.Tech.

D2. For the Department of Management Studies:

1. M.Tech./M.E./M.D. or equivalent with First division (minimum 60% 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.

D3. For the Department of Engineering Sciences:

Applicants must have an 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 a qualifying degree in Mathematics / Applied Mathematics/ Engineering Mathematics/ Industrial Mathematics/ Physics/ Applied Physics/ Engineering Physics/ Nanoscience and Technology/ Materials Science /Quantum Computing or any other branch related to Mathematics/Physics with first division at undergraduate (B.Sc./B.E./B.Tech.) level.

E. 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 applicant(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 the competent authority. The selected applicant(s) will not get any financial support from the institute during the entire Ph.D. programme. In case of the project completion, the applicant may continue his/her research work under the same supervisor. However, the supervisor may support the applicant from other project funding, or the applicant may continue the programme as self-sponsored or request to convert his/her Ph.D. from full-time to part-time programme.

F. Academic Structure and Ph.D. Programme

ABV-IIITM Gwalior offers a comprehensive academic structure for Ph.D. programs. Our Ph.D. program is designed to provide a rigorous and in-depth understanding of the chosen field of study. The duration of our Ph.D. program is typically 3-5 years, during which scholars will be exposed to a wide range of academic activities such as coursework, comprehensive examination, research, seminars, and workshops. At ABV-IIITM Gwalior, we believe in providing our Ph.D. scholars with a well-rounded education that prepares them for a career in academia, industry, or government. Our Ph.D. programs are designed to produce graduates who are not only experts in their chosen field of study but also possess the necessary skills and competencies to succeed in their future endeavours.

G. Inductive research areas at ABV-IIITM Gwalior

Engineering: Artificial Intelligence, Natural Language Processing, Optimization Techniques, Software Engineering, Web Services, Cloud Computing, Computer Vision,

Pattern Recognition, Image & Video Processing, Speech Processing, Health Informatics, Information, Network & IoT Security, Biometric Security and Identification, Robotics and Autonomous Systems, Wireless Network & Communication, VLSI System & Chip Design, IoT-based Hardware Design, Antenna Design, etc.

Engineering Sciences: Condensed Matter Physics, Energy storage materials, Nanoelectronics, Nanomaterials, Interconnectors, Triboelectric generators, Computational Material Science and Electronics, Computational Nanoscience, Quantum Computing, Bio-Physics, Reliability, Optimization, Modelling and Simulation, Mathematical Biology, Machine Learning and Applications, Fuzzy Decision Making, Intuitionistic fuzzy sets and their applications to Decision Science, Similarity Measures, Fractional Calculus, Operator Theory, Integral Transforms, Wavelet analysis, Numerical Functional analysis, Approximation Theory.

For Management: Operations, Marketing, Finance, Information Systems Management, Human Resource Management/ Organization Behavior, Business Economics, eGovernance, Environment Management, Technology Management, Management of Informal Sector, Project Management, Entrepreneurship, International Business, System Dynamics, Business Analytics.

H. Admission Process and Fees Details:

Based on the performance of the shortlisted applicants in interview/test, committee will recommend the deserving applicants for admission. Selected applicants will get the admission offer letter from the academic section along with fee and other details.

Fees details:

(https://www.iiitm.ac.in/images/2023/June_2023/Fee_Structure_July_2023.pdf)

I. Financial Assistance/ Fellowship for Full-Time Research Scholars

- The selected (full-time) applicants admitted to the Ph.D. programme will be entitled for fellowship as per the GoI norms.
- Being a residential programme, the Ph.D. scholars will be provided accommodation in hostels as per institute norms. Accommodations are also available for married applicants; however, such accommodations are limited in number.

J. General rules for Part-time Applicants:

- The applicant should ensure that his/her official duties permit the applicant to devote sufficient time for research.
- Facilities for pursuing research work should be available at the applicants' place of work recognized for the chosen field of research.

Please refer the Ph.D Ordinances available on the Institute website for further details.

In case of any query related to the Ph.D. Programme admission, you may contact at phdadmission@iiitm.ac.in or 0751-2449704 (10:00 AM – 06:00 PM).

Registrar