Indian Institute of Technology Indore

Advertisement for Admission to Ph.D. Program in Electrical Engineering (EE) for Autumn Semester of Academic Year (AY) 2026-27

(WALK-IN INTERVIEW Under FA, FAP, and FAR Category only)

IITI/Acad/PhD Admissions/26-27 ` **February 15, 2026**

IIT Indore invites applications from highly motivated and research-oriented students for admission to its PhD program in the Department of Electrical Engineering for the Autumn Semester of Academic Year (AY) 2026-27 as per the below-mentioned categories of admission and time schedule. Candidates can visit the profiles of the faculty members listed below at the link **http://ee.iiti.ac.in/faculty.html** before applying. To know about different categories of admission (FA, FAP, and FAR), kindly refer to the main PhD advertisement webpage at **https://academic.iiti.ac.in/phdadvt.php**

Time Schedule of PhD admission:

Last date of online application through **https://academic.iiti.ac.in:8443/nregistration.jsp**	**March 18, 2026 (Wednesday) Latest by 24.00 hrs. IST**
Dates of PhD selection process (**in-person written test and interviews**)	**March 23 and 24, 2026 (Monday and Tuesday)**

Minimum Educational Qualifications (MEQs) and Qualifying Examination

Master's degree in Electrical/ Electronics/ Electronics and Communication / Instrumentation and Control / Material Science/ Engineering Physics or any other relevant Department of Engineering / Technology with specialization in the areas of communication and signal processing or RF and microwave or micro/nanoelectronics and VLSI or power electronics and power systems or control systems (with first division in the qualifying degree*)

OR

Four-year Bachelor's degree OR five-year integrated degree in Electrical/ Electronics/ Electronics and Communication / Instrumentation and Control / Material Science/ Engineering Physics or any other relevant Department of Engineering / Technology (with first division in the qualifying degree*)

OR

Master's degree in Mathematics / Physics or any other relevant Department of Science (with first division in the qualifying degree*)

AND

having UGC/CSIR/DBT - JRF qualification OR DST INSPIRE fellowship OR Equivalent fellowship.

Candidates without having any Equivalent fellowship may be considered under FAP mode, if faculty members are having vacancies under sponsored projects. For more details, please refer to: https://academic.iiti.ac.in/phdadvt.php.

*The definition of first division in qualifying degree as per IIT Indore's rules is as follows:

- A minimum of 60% (55%[#]) marks in aggregate, OR
- A First class as specified by the university, OR
- A minimum Cumulative Grade Point Average (CGPA) / Cumulative Performance Index (CPI) of 6.0 (5.5[#]) on a scale of 0 – 10, OR
- An equivalent to 6.0 (5.5[#]) CGPA/ CPI on other corresponding proportional requirements when the scales are other than 0 – 10.

[#]for SC/ST/PwD category

Important Instructions:

1. All eligible candidates, fulfilling the minimum eligibility criteria, must apply online through the website (**http://academic.iiti.ac.in:8080/nregistration.jsp**).
2. After applying online, the signed application form along with the following documents should be sent by email to admission-ee@iiti.ac.in
   a) Self-attested photocopies/scanned originals of all relevant supporting documents such as **degree certificates, mark sheets from 10th class onwards, date of birth certificate, fellowship award letter, GATE score card, etc., that they wish to present before the selection committee.**
   b) Two recent passport size photographs.
   c) Receipt of fee (Rs.100/-) paid through SBI i-collect.
   d) Letters of recommendation duly signed by a minimum of **two referees,** who have known the applicant in a professional capacity, are mandatory for PhD selection process and must be sent directly to admission-ee@iiti.ac.in

   The format of the recommendation letter can be found along with this advertisement. **If the above documents/certificates and recommendation letters are not received by email before the application deadline, then the candidates may not be considered for the selection process.**
3. **DO NOT** send any form or documents by post.

4. Eligible candidates who have submitted online application (before the last date) and fulfill the minimum eligibility criteria are strongly encouraged to report at **10.00 AM** on **March 23, 2026 (Monday)** at **Electrical Engineering Office, Room No. 101B, Building Pod 1B, IIT Indore, Simrol, Indore, Madhya Pradesh – 453552**. **Candidates must take a note that no separate email/communication will be sent to applicants regarding shortlisted candidates and PhD selection process.**
5. PhD written test and interviews will commence at 10.30 AM on **March 23, 2026 (Monday).** The selection process may extend up to **March 24, 2026 (Tuesday)**. So, the candidates are therefore requested to make necessary travel and accommodation arrangements accordingly. **No communication in any form regarding accommodation, change of date, syllabus of written test and interview, request for conducting online interviews, etc. will be entertained.**
6. Eligible candidates also should bring along the documents (original and photocopies) mentioned in instruction 2 on **March 23, 2026 (Monday)** to present before the selection committee failing which they may not be considered for the selection process. The recommendation letters from the referees shall be either brought in a sealed envelope or the referees can directly send the reference letters to **admission-ee@iiti.ac.in** before the application deadline.
7. No TA/DA will be paid for attending the PhD selection process. Candidates also must make their own accommodation arrangements.
8. Candidates who wish to appear for the PhD selection process and fulfill the eligibility criteria may also send their Resume/CV to the faculty member whose area is of interest to them. The areas of interest and detailed profiles of faculty members are given below. Candidates are encouraged to visit the webpage of faculty members listed below to know more about ongoing research work and areas of interest.
9. Mere fulfillment of the minimum eligibility criteria does not entitle anyone for admission into the PhD program in the Department of Electrical Engineering.

Prof. Santosh Kumar Vishvakarma

Prof. Santosh Kumar Vishvakarma is leading "Nanoscale Devices, VLSI Circuit and System Design" research group at IIT Indore. His research interests are VLSI Circuit and System Design including ASIC/SoC Design of Processor Design for Biomedical Application; Energy-Efficient and Reliable SRAM Memory Design; Enhancing Performance and Configurable Architecture for DNN Accelerators; SRAM/RRAM/MRAM based In-Memory Computing Architecture for Edge AI; Reliable, Secure Design for IoT Application and Design for Reliability; Silicon Photonics Circuits; and Quantum Logic and Circuits. He has a very strong collaboration in Industry and Academia across India and globe. As of now, 19 PhD scholars have graduated and 06 Indian patents have been granted from his research group. For details, please visit: https://www.skvishvakarma.com/. He may be contacted at his email id skvishvakarma@iiti.ac.in

Prof. Shaibal Mukherjee

Hybrid Nanodevice Research Group (HNRG) led by Prof. Shaibal Mukherjee needs sincere and motivated PhD students to work in **RRAMs** in **Image Processing**, **Circuit Design; Quantum Sensors** for **Healthcare** and **Environment** (**https://hnrg.profiles.iiti.ac.in** and **https://www.quantechl2m.com/**). HNRG has strong collaboration with industries and academia in India and in the USA, KAUST, Russia, France, Sweden, Italy, Japan, Australia, Taiwan, and Germany. **Candidates, having expertise in PCB design / CAD / PSpice / Python are desirable**. Till date, 22 PhD students have graduated thesis from HNRG with 148+ journal papers, 110+ conference papers, 12 book/book chapters and 16 patents (granted: 14, filed and published: 2). Former PhD graduates from HNRG are successfully placed in IIT, IMEC, NITs, IIITs, Canada, and Japan (**https://hnrg.profiles.iiti.ac.in/phd_graduated.php**). Interested candidates should send their resume at **shaibal@iiti.ac.in**

Prof. Vipul Singh

Prof. Vipul Singh's research group MNRG focuses on wide range of topics primarily related to **Organic electronics, Oxide based semiconductors, LSPR effect, Optoelectronic devices, Bio/chemical/gas sensors, synthesis of nanostructured materials**. MNRG strives for academically brilliant and motivated candidates having past background in Electrical/Electronics/ Instrumentation engineering/ Material Science & Engineering and Applied Physics and having passion to pursue research at the forefront of nanoelectronics and allied areas. Fellowship awardees are encouraged to apply to our group under FA category. For more details, please visit our homepage: http://www.iiti.ac.in/people/~vipul/, for more details contact me at vipul@iiti.ac.in

Prof. Abhinav Kranti

Low Power Nanoelectronics Research Group is engaged in pioneering research on capacitorless DRAM, steep switching transistors, material-device-circuit co-design and vertically stacked transistors, all of which are essential for the development of next generation logic and memory technology. The group has very strong collaborations with leading international researchers, and after completing PhD, students often receive offers for post-doctoral positions abroad. Exceptionally talented and motivated candidates, with strong interest in Semiconductor Devices, CMOS, Nanoelectronics, Biosensors, VLSI and Circuit Design intending to work on emerging research problems are strongly encouraged to apply. For more information, please visit: http://iiti.ac.in/people/~akranti/. For more details, please contact me at akranti@iiti.ac.in

Prof. Mukesh Kumar

Prof. Mukesh Kumar is leading **Optoelectronic Nanodevice Research Laboratory** (ONRL). His research interests include **Optoelectronic Devices, VLSI Technology, Microwave Photonics, Nanoelectronics, Integrated Photonics and Device Fabrication.** He has supervised 12 PhD-scholars so far. He is also serving as an adjunct-faculty at Purdue University, USA. He is looking for motivated and hard-working PhD-candidates with a background in **Electronics and related** areas. For further details, please visit http://iiti.ac.in/people/~mukesh.kr. Contact: mukesh.kr@iiti.ac.in

Prof. Ram Bilas Pachori

Prof. Ram Bilas Pachori works in the areas of Signal and Image Processing, Biomedical Signal Processing, Non-stationary Signal Processing, Speech Signal Processing, Brain-Computer Interface, Machine Learning, AI and IoT in Healthcare. He has 398 publications which include journal papers (254), conference papers (102), books (12), and book chapters (30). His publications have more than 21,000 citations with an h-index of 79 as per Google Scholar. He has supervised 27 Ph.D. students for their theses. He is looking for the Ph.D. students to work in the above mentioned research areas. Please visit his homepage for more details: http://iiti.ac.in/people/~pachori/

Prof. Vimal Bhatia

Prof. Vimal Bhatia (http://iiti.ac.in/people/~vbhatia / vbhatia@iiti.ac.in) is leading collaborations with researchers from the **UK, Ireland, Norway, Finland, France, Canada, Czech Republic**, and the **US**, with more than 300 peer-reviewed publications, 5 patent granted and 18 PhD thesis has been submitted. Research on a) Performance analysis of beyond 5G/6G communications, b) OFDM, MIMO, NOMA, Cognitive Radio, Visible Light Communications, Quantum Communications c) Bio-inspired image processing, biometry, radar using machine and deep learning algorithms. Bright and highly motivated candidates, having background in **Communications/Signal Processing/Mathematics/Statistics/ Electronics/Electrical Engineering/Computer Science or equivalent** are encouraged to apply. Former PG students placed in IIT, NIT, IIIT, NMIMS, Australia, Canada, Saudi Arabia, UK, EU, and Qualcomm.

Prof. Prabhat Kumar Upadhyay

Prof. Prabhat Kumar Upadhyay is leading a Wireless Communication (WiCom) Research Group at IIT Indore. The WiCom group is intended to conduct fundamental and applied research to cater to the emerging needs of the next-generation wireless communication systems. The various research projects are technically and financially supported by MeitY, CSIR, and DST. The group is also involved in collaborative research with peers from top foreign universities. The broad research areas of WiCom group are cooperative & cognitive radio, IRS, satellite communications, energy harvesting, physical layer security, IoT networks, WBANs, and molecular communications. Motivated and interested PhD candidates to work in WiCom group are encouraged to apply. For more details, please visit the website: https://people.iiti.ac.in/~pkupadhyay/ (E-mail: pkupadhyay@iiti.ac.in)

Dr. Sumit Gautam

Dr. Sumit Gautam joined the Department of Electrical Engineering at IIT Indore in Dec'21. He has prior working experience in both industry and academia. His research interests pertain to (but not limited to): Simultaneous Wireless Information and Power Transmission (SWIPT), Wireless Energy Harvesting Methods, Wireless Edge-Caching based cooperative networks, Fronthaul load management: 5G-and-beyond/6G Wireless Communications, and Intelligent Reflecting Surface (IRS)-assisted SWIPT. Interested candidate(s) with good background in Communications/Signal Processing/Mathematics (Optimization Theory)/Computer Science (good coding skills in MATLAB/Python/C++) or equivalent is/are highly encouraged to apply. For more information about his works, please visit: https://sites.google.com/site/sumitgautamjbp/home, or kindly write to him at: sumit.gautam@iiti.ac.in

Dr. Appina Balasubramanyam

Dr. Appina Balasubramanyam is leading the **Multimedia Engineering and Perceptual Cognitive Analysis Group (MEPCAG).** This group performs research in the domains of Psychovisual and Cognitive analysis, Multimedia processing and quality assessment, Biomedical image processing, Deep learning, etc., in the domains of 2D and 3D dimensional image and video. **MEPCAG** is looking for motivated PhD students with a background in signal processing and mathematical analysis. For more details, please visit the lab website: https://sites.google.com/view/mepcag/home or contact: appina@iiti.ac.in

Dr. Dibbendu Roy

Dr. Dibbendu Roy obtained a Joint-PhD from University of Melbourne and IIT Kharagpur. Post PhD, he worked as a Postdoc at KTH Royal Institute of Technology, Sweden. His research focuses on developing mathematical models using optimization, machine learning, game theory and network calculus for resource allocation and scheduling in next-generation communication networks. You can visit his profile and website at https://dibbend8.github.io/dibbendu/

Dr. Ayush Tripathi

Ayush Tripathi is an Assistant Professor in the Department of Electrical Engineering at IIT Indore, where he is establishing the COmputational Signal INformatics and Exploration (COSINE) Lab, focusing on biomedical signal processing and AI applications in healthcare. His research spans brain-computer and human-machine interfaces, EEG analysis, automated sleep analysis, and pathological speech processing. More details can be found here https://ayushayt.github.io/COSINE and interested candidates are encouraged to contact me at ayush.tripathi@iiti.ac.in

Dr. Rinkee Chopra

Dr. Rinkee Chopra is leading the research group of RF and Microwave at Electrical Engineering Department, IIT Indore. Her research interest includes RF and Microwave components, millimeter wave antenna and arrays, multiband, broadband endfire and broadband circularly polarized antennas, filtering antennas, RF transceiver components like filters, couplers, amplifiers, phase shifters, amplifier, etc, Frequency modulated and ground penetrating radar. Motivated candidates with a good background in RF and Microwave are highly encouraged to apply and contact me through rinkee@iiti.ac.in.

Prof. Trapti Jain

Prof. Trapti Jain's research group is seeking dedicated and highly motivated PhD candidates to contribute to advanced research in smart grids. Our current focus includes AI-driven solutions, data analytics, and cyber-security in smart grids. Candidates with a strong foundation in power systems, excellent academic credentials, and proficient programming skills are encouraged to apply. If you are passionate about smart grid technologies and pioneering research, we welcome you to join our team. For more details, please visit the following websites. URL. https://people.iiti.ac.in/~traptij/.

Dr. Subhadeep Paladhi

Dr. Subhadeep Paladhi is leading a research group in the Department of Electrical Engineering at IIT Indore in the area of **Power System Protection,** with a focus on the growing large-scale integration of renewable energy sources in power systems. The ongoing research in his group includes the cutting-edge technologies in the following domains: 'Phasor-based relaying in presence of converter-Interfaced sources', 'Time-domain high speed line protection', 'AI/ ML-based grid monitoring' and 'Resilient system operation using digital twin'. Highly motivated candidates, having a strong background in power systems, are encouraged to apply. For more details, visit: https://sites.google.com/view/subhadeep-paladhi. For any prior interaction, the candidates may contact him through spaladhi@iiti.ac.in.

Dr. Sharad Kumar Singh

Dr. Sharad Kumar Singh (sharad@iiti.ac.in) is a researcher specializing in various fields including Game Theory, Robotics, Control Theory, Optimization Techniques & Operations Research, and Multi-agent Systems. He has both academic expertise and industrial experience, particularly in the areas of Robotics and Optimization. Prospective applicants for positions under his supervision are encouraged to have outstanding academic backgrounds and strong programming skills. For more information and recent publications, please visit the weblink: https://sites.google.com/iiti.ac.in/sharad-kumar-singh/

Dr. Lokesh Kumar Dewangan

Dr. Lokesh Kumar Dewangan specializes in the control and dynamics of HVDC systems/grids. He has completed his PhD from IIT Bombay and was working as a post-doctoral researcher at ECN Nantes, France, and KU Leuven, Belgium, prior to joining the Department of Electrical Engineering at IIT Indore. His primary research focuses on modeling, stability analysis, and controller design for future multi-vendor power electronics-based power systems. With this expertise, he offers mentorship and guidance to highly motivated researchers with a background in power electronics and power systems. Join our vibrant academic community at IIT Indore, where collaboration and innovation thrive. For more details, please contact him at lokesh@iiti.acin or visit the website: https://sites.google.com/view/lokeshdewangan/home

Dr. Prathap Reddy

Dr. Prathap Reddy and his research group at IIT Indore focus on innovative machines and power electronics for building sustainable systems. The research interests are in Magnet-less Machine Design, Multiphase Machines, Pole Phase Modulated Machines, Electric Vehicles, Electrical Drives, Power Electronics, EV Charging Solutions, Multilevel Inverters, Converter Design and Analysis. His research group mainly works on hardware developments to execute cutting-edge research priorities of electric vehicles and sustainable systems. Before joining IIT Indore, Dr. Prathap Reddy held various positions, including Power Electronics Hardware Engineer at Jaguar Land Rover in Bengaluru, DST Inspire Faculty at IISc Bengaluru's Department of Electronic Systems Engineering, and Postdoctoral Research Fellow at Qatar University. For details, please visit the website: https://sites.google.com/iiti.ac.in/bprathap or contact me through email: bprathap@iiti.ac.in

For any queries, please contact:

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