



Indian Institute of Technology Indore

Ph. D. Admission

at

Centre for Advanced Electronics (CAE)

ONLINE APPLICATION STARTS ON: August 23, 2023

<https://www.iiti.ac.in/>

<http://cae.iiti.ac.in/>

About the Centre

Centre for Advanced Electronics (CAE) has been established at IIT Indore as an interdisciplinary research centre which aims to develop materials, devices & technologies for multidisciplinary applications including computing, communication, medical and energy. The CAE has brought some of the academicians at IIT Indore, working in electronics and its allied areas, under one technical roof to enable high quality applied research for the benefit of mankind. We are honored to have on board some of the renowned academicians, in electronics and related areas, across the globe as our advisors. The CAE is committed to come up as a platform for applied research, device development, skill & manpower development in the nationally important area of electronics.

❖ **Deadline for online form submission: September 02, 2023**

❖ **Deadline for receiving recommendation letters: September 02, 2023**

❖ **Dates of the Written Test and interview (in-person): September 11, 2023**

Eligibility

Minimum Educational Qualification and Qualifying Examination

- Four-year Bachelors' degree OR five-year integrated degree and Masters' degree in the Electronics / Electrical / Materials Science and Engineering / Nanotechnology / Energy Science and Engineering / Microelectronics / Mathematics / Statistics/ Instrumentation / VLSI Design / Embedded System / Optoelectronics / Laser Technology / Telecommunication / Engineering Physics / Physics / Chemistry/ Mechatronics / Microwave Engineering / Biotechnology / Instrumentation and Controls (with first division as defined by the awarding Institute / University)

For more information, please visit <http://academic.iiti.ac.in/phdadvt.php>.

Research Areas

The Centre offers the following areas of research in this round of Ph.D. admission:

- Nanoelectronics
- Integrated Optoelectronics & Silicon Photonics
- Semiconductor Optoelectronics
- Biochemical Sensors
- Signal Processing
- VLSI Circuit and System Design
- Advanced Materials and Devices
- Photovoltaics
- Advanced Memory Technology
- Wireless & Optical Communication
- Theory and Computation
- Electronic Waste Utilization
- AI and Machine Learning

For more information, please visit [faculty profiles](#).

Application Procedure

1. A candidate must apply ONLINE through the website (<https://pgad.iiti.ac.in/>). This will generate a unique application number for each applicant.
2. Application Fee: The details are available at <https://academic.iiti.ac.in/phdadvt.php>.
3. A shortlisted candidate must arrange recommendation letters from at least two referees with whom he/she has had academic interactions at least for a year.

Categories of Admission

We are considering applications for the **FA categories** only in this round.

Kindly refer to the main Ph.D. Advertisement for details of all categories.

<https://academic.iiti.ac.in/phdadvt.php>

Address for Correspondence

Centre for Advanced Electronics (CAE),

IIT Indore, Khandwa Road,

Simrol, Indore - 453 552,

M.P., India

Phone No: +91 731 660 3203

Email: <http://cae.iiti.ac.in/>

Important Information

1. All eligible candidates, fulfilling the minimum eligibility criteria, must apply ONLINE through the website (<https://pgad.iiti.ac.in/>).
2. After applying online, the applicants should take a printout of the application form and sign the same. The scanned copy of the duly signed application form, along with the following documents, should be sent by email to: cae-office@iiti.ac.in latest by **September 02, 2023**.
 - A. Self-attested photocopies of all relevant supporting documents such as degree certificates, mark sheets, date of birth certificate, etc., from Xth class onwards. Candidates may also attach attested photocopies of any other testimonials, documents, or certificates that they wish to present before the selection committee.
 - B. Soft copy of the passport-size photograph.
 - C. Receipt of fee (Rs.100/-) paid through SBI i-collect.
 - D. Candidates should arrange for two referees to send the reference letter directly to cae-office@iiti.ac.in latest by **September 02, 2023**.
3. For SW candidates: Scanned copy of the No Objection Certificate (NOC), Experience Certificate, Salary slips of the last three months, and Employer's PAN card must also be sent by email.
4. DO NOT send any form or documents by post.
5. Only shortlisted candidates will be called for interviews, and the same will be notified by email. No emails or communication, in any form, regarding shortlisted candidates, change of interview date, syllabus of written test and/or interview, etc. will be entertained.
6. Candidates are strongly advised to visit the faculty member's webpage to know about ongoing research work and areas of interest.
7. Mere fulfillment of the minimum eligibility criterion does not entitle anyone to admission into the Ph.D. program in CAE.

Indian Institute of Technology Indore
Advertisement for Admission to Ph.D. Program
in Centre for Advanced Electronics (CAE)
Academic Year (AY) 2023-24

IIT Indore invites applications from highly motivated and research-oriented students for admission to its PhD program in the Centre for Advanced Electronics (CAE) for the Academic Year (AY) 2022-23 as per the mentioned categories of admission and time schedule.

The Ph.D. program aims to develop graduates having good knowledge and research training in classical and emerging areas. The Centre for Advanced Electronics (CAE) IIT Indore hosts PhD programs in the following research areas:

- Nanoelectronics
- Integrated Optoelectronics & Silicon Photonics
- Semiconductor Optoelectronics
- Advanced Materials and Devices
- Biochemical Sensors
- Photovoltaics
- Advanced Memory Technology
- Signal Processing
- Theory and Computation
- Wireless & Optical Communication
- VLSI Circuit and System Design
- Electronic waste utilization
- AI and Machine Learning

Detailed information about the research areas of Faculty Members in the above disciplines can be obtained from the Institute web link: <http://cae.iiti.ac.in/main/faculty>. The applicants are strongly encouraged to go through Faculty Members' profiles and get familiar with their specialization and research interest. All candidates can apply for regular PhD applications held four times a year (March, June, September, and December).

Minimum Educational Qualifications (MEOs) and Qualifying Examination (QE)

Four-year Bachelors' degree OR five-year integrated degree OR Masters' degree in the Electronics / Electrical / Physics / Engineering Physics / Mathematics / Statistics / Microelectronics / Instrumentation / VLSI Design / Embedded System / Optoelectronics / Materials Science and Engineering / Nanotechnology / Energy Science and Engineering / Laser Technology / Tele-Communication / Chemistry/ Mechatronics / Microwave Engineering / Biotechnology / Instrumentation and Controls (with first division as defined by the awarding Institute/ University)

AND

Valid UGC/CSIR/DBT JRF qualification or DST INSPIRE Fellowship or Equivalent Fellowship.

Time Schedule of PhD Recruitment

Last date of Online Application through https://pgad.iiti.ac.in/jsp (For both Indian and International Applicants)	September 02, 2023
Date of Written Test and Interview Candidates are required to attend the selection process in person both, written test, and an interview. No TA/DA shall be provided to participate in the selection process. For more details and latest updates, candidates are advised to regularly visit http://cae.iiti.ac.in/	September 11, 2023

Categories of Admission

We are considering applications for the FA category only in this round. Kindly refer to the main Ph.D. Advertisement of the institute is available at <http://academic.iiti.ac.in/phdadvt.php> for details of all categories.

Application Fee

Indian Applicants: 100/- Indian Rupees (non-refundable) to be paid online. International Applicants: US \$30 (non-refundable) through SWIFT payment transfer mode.

Kindly refer to the main PhD Advertisement of the Institute at <http://academic.iiti.ac.in/phdadvt.php> for more details about the payment procedure and course fee structure.

Important Instructions

1. All eligible candidates, fulfilling the minimum eligibility criteria, must apply ONLINE through the website (<https://pgad.iiti.ac.in/>)
2. After applying online, the applicants should take a printout of the application form and sign the same. The scanned copy of the duly signed application form, along with the following documents, should be sent by email to: cae-office@iiti.ac.in latest by 08 March 2023.
 - A. Self-attested photocopies of all relevant supporting documents such as degree certificates, mark sheets, date of birth certificate, etc., from Xth class onwards. Candidates may also attach attested photocopies of any other testimonials, documents, or certificates that they wish to present before the selection committee.
 - B. Soft copy of the passport-size photograph.
 - C. Receipt of fee (Rs.100/-) paid through SBI i-collect.
 - D. Candidates should arrange for two referees to send the reference letter directly to cae-office@iiti.ac.in latest by 08 March 2023.
3. For SW candidates: Scanned copy of the No Objection Certificate (NOC), Experience Certificate, Salary slips of the last three months, and Employer's PAN card must also be sent by email.
4. DO NOT send any form or documents by post.
5. Only shortlisted candidates will be called for interviews, and the same will be notified by email. No emails or communication, in any form, regarding shortlisted candidates, change of interview date, syllabus of written test and/or interview, etc. will be entertained.
6. Candidates are strongly advised to visit the faculty member's webpage to know about ongoing

research work and areas of interest.

7. Mere fulfillment of the minimum eligibility criterion does not entitle anyone to admission into the Ph.D. program in CAE.