Indian Institute of Technology Indore

Ph.D. Admission

Centre for Advanced Electronics (CAE)

https://www.iiti.ac.in

About the CAE:

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.

Categories of Admission

For Indian Students
FA / SW / DF / CT

For International Students
ISF / ISW / GSW (International Sponsored by Government organization)

For more detail, please visit
http://academic.iiti.ac.in/phdadvt.php.

Eligibility

Minimum Educational Qualification and Qualifying Examination

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

AND

- Valid UGC/CSIR/DBT JRF qualification or DST INSPIRE Fellowship or Equivalent Fellowship.
For more information, please visit http://academic.iiti.ac.in/phdadvt.php.

Research Areas

The CAE offers the following areas of research for Ph.D. admission:

- Nanoelectronics
- Integrated Optoelectronics & Silicon Photonics
- Semiconductor Optoelectronics
- Biochemical Sensors
- Signal Processing

- Advanced Materials and Devices
- Photovoltaics
- Advanced Memory Technology
- Wireless & Optical Communication
- VLSI Design / Embedded System

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.

❖ Deadline for online form submission: **November 21, 2022**
❖ Deadline for receiving recommendation letters: **November 21, 2022**
❖ Tentative Dates of the interview: **November 27, 2022**

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: cpgc-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: cpgc-cae@iiti.ac.in latest by 21th November 2022.
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 cpgc-cae@iiti.ac in latest by 21 November 2022.
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 online 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
Centre for Advanced Electronics (CAE)
Academic Year (AY) 2022-23

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, VLSI Design / Embedded System, Signal Processing, and Wireless & Optical Communication.

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 (MEQs) and Qualifying Examination (QE)

Four-year Bachelors' degree (B.Tech/BE) OR Five-year integrated degree OR Masters' degree (M.Tech/M.Sc.) in the Electronics / Electrical / Materials Science and Engineering / Nanotechnology / Engineering Physics / Physics / Chemistry/ Microelectronics / Instrumentation / VLSI Design / Embedded System / Optoelectronics / Laser Technology / Tele- Communication / Mechatronics / Microwave Engineering / Biotechnology / Instrumentation and Controls/Computer Science and Engineering/ Mathematics/Statistics and Energy Science and Engineering and other relevant area (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)	**November 21, 2022**
Tentative Date of Written Test/ Interview (both Indian and International Applicants) For more details and latest updates, candidates are advised to regularly	**November 27, 2022**

visit http://cae.iiti.ac.in/	

Categories of Admission

For Indian Students	For International Students
FA (Fellowship Awardee): Fellowship Awardees from the funding agencies such as CSIR/ UGC/ DBT/ NBHM/ DST/ equivalent OR Fellowship position in an externally funded project under a faculty member of CAE. The scholarship will be as per the rules of the concerned funding agency.	**ISF (International Self-Finance)** Self-Financing Students.
SW (Sponsored WITHOUT Institute scholarship): For applicants sponsored by a highly reputed R&D organization or Industry. [After completion of required coursework, either on Full Time (SWF) or Part Time (SWP) basis, with approval of the competent authority]	**ISW (International Sponsored by Industry or NGO)** (i) Industry Sponsorship (ii) NGO (Non-Government Organization) Sponsorship
DF (Defense Forces): Serving defense forces personnel WITHOUT any scholarship from the Institute.	**GSW (International Sponsored by Government organization)** (i) ICCR Scholarship of Government of India (ii) Foreign Government Sponsorship
CT (College Teacher): Permanent Employee of the sponsoring College/Institute/University WITHOUT any scholarship from the Institute.	

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.

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   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.

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