

# Center for Electric Vehicle and Intelligent Transport Systems (CEVITS)

## Indian Institute of Technology Indore

IITI/Acad/PhD Admissions/2023-24/CEVITS/1

May 28, 2023

IIT Indore invites applications from highly motivated and research-oriented students for admission to the Ph.D. Program in the **Centre for Electric Vehicle and Intelligent Transport Systems (CEVITS)** under **non-TA categories** in the following research areas:

<ul style="list-style-type: none"> <li>• <i>Nanomaterials for Electrodes in Energy Storage Devices</i></li> <li>• <i>Secure ECU design and communication protocols in automotives</i></li> <li>• <i>Energy Storage Materials</i></li> <li>• <i>Design and Development of State of the art Organic / Inorganic Porous Materials for Energy Storage, Energy Harvesting, and Solid-State Battery Applications.</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>H<sub>2</sub> Production Technologies for Electric Vehicle Applications</i></li> <li>• <i>Construction of Non-Toxic Materials for Highly Efficient Solar Cells.</i></li> <li>• <i>Automotive Human Factors</i></li> <li>• <i>Construction of Ramanujan Graphs for Fast Network Topologies</i></li> <li>• <i>Advanced flex fuel combustion engines</i></li> </ul>
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Categories of admission (for Indian and International applicants):

<p><b>FA (Fellowship Awardee):</b> 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 CEVITS. The scholarship will be as per the rules of the concerned funding agency.</p> <p><b>*SW (Sponsored WITHOUT Institute scholarship):</b> For applicants sponsored from a highly reputed R&amp;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]</p> <p><b>*DF (Defense Forces):</b> Serving personnel of defense forces WITHOUT any scholarship from the Institute.</p> <p><b>*CT (College Teacher):</b> Permanent Employee of the sponsoring College/Institute/University WITHOUT any scholarship from the Institute.</p> <p><b>*IS (Institute Staff):</b> Only for regular staff members of IIT Indore</p>	<p><b>**ISF(International Self Finance):</b>Self-Financing Students.</p> <p><b>**ISW (International Sponsored by Industry or NGO):</b> (i) Industry Sponsorship (ii) NGO (Non-Government Organization) Sponsorship</p> <p><b>**GSW (International Sponsored by Government organisation):</b> (i) ICCR Scholarship of Government of India (ii) Foreign Government Sponsorship</p> <p><b>**These categories are exempted from valid UGC/CSIR/DBTJRF qualification OR DST INSPIRE Fellowship</b></p>
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<p><b>(Part Time).</b></p> <p>*These categories are exempted from valid UGC/CSIR/DBT/JRF qualification OR DST INSPIRE Fellowship OR Equivalent Fellowship</p> <p>GATE is not compulsory for DF / IS / CT / SW category.</p>	
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**Time Schedule of PhD admission**

Cut-off date of online application through <a href="https://academic.iiti.ac.in:8443/nregistration.jsp">https://academic.iiti.ac.in:8443/nregistration.jsp</a> (for both National and International applicants)*	17 June 2023
Tentative date of interview (for both National and International applicants)*	22 June 2023

**Minimum Educational Qualifications (MEQs) and Qualifying Examination:**

<b>Minimum Educational Qualifications (MEQs) and Qualifying Examination (QE) for</b>	
<b>Indian applicants</b>	<b>International applicants</b>
<p>Masters' degree (with first division as defined by the awarding Institute/ University) in the relevant areas of Engineering/Sciences (Mechanical Engineering/Technology- Machine/system design/ Thermal Engineering/ Heat Power/Energy Materials/ Fluids &amp; Thermal Engineering/ Manufacturing Engineering/ Industrial Engineering/ Production Engineering/ Reliability Engineering/ CAD/CAM/ Automobile Engineering; Metallurgical Engineering/ Material Science and Engineering/ Nanotechnology/ Nanotechnology/ Ceramics Engineering/ Chemical Engineering; Electrical/Electronics/ Electronics &amp; Communication/ Instrumentation and Control Engineering/ Communications &amp; signal processing/ VLSI/ Nanoelectronics/Image processing/ Speech processing/ RF-Microwave/ Power electronics/ Power systems / Control systems; Computer Science Engineering/ Information Technology/ Software Engineering/ Data Science/ Data Analytics; Transportation Engineering/ Aerospace Engineering/Space Engineering/ Aeronautics, Physics, Chemistry, Mathematics) <b>AND</b> GATE qualification OR UGC-JRF/CSIR-JRF qualification OR Equivalent Fellowship.</p>	<p>Masters' degree in the relevant Department (with first division as defined by the awarding Institute/ University)</p> <p style="text-align: center;"><b>AND</b></p> <p>Valid TOEFL/ IELTS OR equivalent qualification</p> <p style="text-align: center;"><b>OR</b></p> <p>Valid GATE qualification</p>
<p>GATE is not compulsory for <b>DF (Defense Forces) / IS (Institute Staff) / CT (College Teacher) / SW</b> (Sponsored without Institute scholarship).</p>	

(Relaxation of 5% in CPI/ CGPA/ Percentage of the qualifying degree is applicable for Indian applicants belonging to SC, ST and PwD categories)

### **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 applicants should take a printout of the application form and sign the same. The **scan copy of the signed application form along with the supporting documents** should be sent by the applicants to [cpgc-cevits@iiti.ac.in](mailto:cpgc-cevits@iiti.ac.in) latest by **one day before the date of interview**.
  - a) Original documents will be verified at the time of admission as per Institute rule.
  - b) For SW candidates - No Objection Certificate, Experience Certificate, Salary slips of last three months and Employer's PAN card must be submitted.
  - c) Candidates must arrange **recommendation letters from at least two referees**. Referees shall e-mail the reference letters directly to [cpgc-cevits@iiti.ac.in](mailto:cpgc-cevits@iiti.ac.in) **one day before the date of interview**.
  - d) Application Fee: Please, refer to main page on our academic portal link-<https://academic.iiti.ac.in/phdadvt.php>
3. **Please don't send any form or documents by post.**
4. Interview call letter will be shared only to the shortlisted candidates.
5. No emails or communication, in any form, regarding change of interview date, time etc. will be entertained.
6. Mere fulfillment of the minimum eligibility criterion does not entitle anyone for selection into the PhD program.