

**Department of Metallurgy Engineering and Materials Science
Indian Institute of Technology Indore**

Advertisement for Admission to Ph.D. Program for 2021-22-Autumn Semester

IITI/Acad/PhD Admissions/21-22

January 05, 2021

IIT Indore invites applications from highly motivated and research-oriented students for admission to the Ph.D. Program in the **Department of Metallurgy Engineering and Materials Science** under two separate broad areas (a) **Metallurgy** (b) **Materials Science** as follows:

Metallurgy	Materials Science
Severe plastic deformation behaviour of Magnesium alloys, Welding Engineering, Fatigue and fracture of materials, W-based heavy alloys, High Entropy Alloys, Bulk Metallic Glasses, Surface Engineering, Microstructure-Properties Study, Heat-treatment, Solidification of multicomponent alloys, Construction materials, and electrodeposition of metal matrix composite, Corrosion Engineering	Energy materials, Nanomaterials and thin films, MXene composites for sensing and energy storage materials, Hybrid materials for fuel cell applications, Electro- and Photocatalytic water splitting, Chemistry of Smart Materials, Soft Materials (Gels), Conductance and Fluorescence, Supercapacitors, Solar cells, Gas sensors, Superconductors, Piezoelectric materials, Biosensors, Photoactive Materials, Computational Materials Science, Materials for Rechargeable Lithium & Sodium Batteries, Dental Materials, Corrosion Science

Categories of admission (for Indian and International applicants): Please refer to the main PhD advertisement available at <https://academic.iiti.ac.in/phdadvt.php>

Minimum Educational Qualifications (MEQs) and Qualifying Examination (QE) for Indian applicants	Minimum Educational Qualifications (MEQs) and Qualifying Examination (QE) for International applicants
<ul style="list-style-type: none"> • Masters' degree in the Discipline of Engineering/ Technology (either in Metallurgy/ Materials Science and Engineering/ Mechanical/ Manufacturing/ Production Engineering (with first division as defined by the awarding Institute/ University) AND GATE qualification, <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Four years BE/ BTech degree or five years integrated degree either in Metallurgy/ Materials Science and Engineering/ Mechanical/ Manufacturing/ Production Engineering (with first division as defined by the awarding Institute/ University) AND valid GATE qualification, <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Masters' degree in Chemistry/ Physics/ Material Science/ Applied Electronics/ Nanotechnology (with first division as defined by the awarding Institute/ University) AND valid GATE qualification OR UGC/CSIR-JRF qualification OR Equivalent Fellowship. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Masters' degree in the Chemistry/ Physics/ Material Science/ Nanotechnology/ Applied Electronics (with first division as defined by the awarding Institute/ University) with UGC-NET (Lectureship) AND valid GATE qualification 	<p>MEQ: Masters' degree in the relevant Department (with first division as defined by the awarding Institute/ University)</p> <p>QE: Valid TOEFL/IELTS OR equivalent qualification OR Valid GATE qualification</p>
<p>GATE is not compulsory for DF (Defense Forces) / IS (Institute Staff) / CT (College Teacher) / SW (Sponsored WITHOUT Institute scholarship).</p>	

Candidates are strongly advised to visit <http://mems.iiti.ac.in/Faculty.html> to learn more about the research areas of the faculty members.

Time Schedule of PhD admission:

Last date of online application through https://academic.iiti.ac.in:8443/nregistration.jsp (for Indian applicants)	February 12, 2021 (Friday)
Date of online Interview (for Indian applicants)	February 18, 2021 (Thursday)
Last date of online application through https://academic.iiti.ac.in:8443/nregistration.jsp (for International applicants)	February 12, 2021 (Friday)
Date of PhD selection process (for International applicants)	February 18, 2021 (Thursday)

Minimum Educational Qualifications (MEQs) and Qualifying Examination

(For more detailed information please refer to the main page on our academic portal Link-
<https://academic.iiti.ac.in/phdadvt.php>)

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 signed application form along with the following documents should be sent by the applicants to dpgcmems@iiti.ac.in on or before **February 12, 2021**.
 - a) Original documents will be verified at the time of admission as per the institute rule.
 - c) Application Fee: Please, refer to main page on our academic portal link-
<https://academic.iiti.ac.in/phdadvt.php>
 - d) The short-listed candidates must arrange recommendation letters from at least two referees well before appearing interview. Referees shall e-mail the reference letters directly to dpgcmems@iiti.ac.in or provide in a sealed envelope.
3. For SW candidates - No Objection Certificate, Experience Certificate, Salary slips of last three months and Employer's PAN card must also be submitted.
4. **Important: DO NOT send any form or documents by post.**
5. The link will be shared to shortlisted candidates for **online interview** scheduled on **February 18, 2021 (Thursday)** at 09.30 AM (reporting date and time for all applicants).
6. No emails or communication, in any form, regarding shortlisted candidates, change of interview date, etc. will be entertained.
7. Mere fulfillment of the minimum eligibility criterion does not entitle anyone for admission into the PhD program.
8. **FA candidates will be encouraged to apply.**

For any queries, please contact:

Dr. Mrigendra Dubey (DPGC Convener)

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