



Discipline of Metallurgy Engineering and Materials Science Indian Institute of Technology Indore

Advertisement for Admission to Ph.D. Program for 2019-Spring Semester

Advertisement No.: IITI/MEMS/2018/Spring-01

IIT Indore invites applications from highly motivated and research-oriented students for admission to the Ph.D. Program in the **Discipline of Metallurgy Engineering and Materials Science** in the following areas:

Section A: Materials Science	Section B: Metallurgy Engineering
<ul style="list-style-type: none">• Solar Cell• Piezoelectric Materials• Energy Storage (Batteries and Supercapacitors)• Nanomaterials• Nano-hetero-architectures and Polymers• Resistive switching and sensors• Chemistry of Soft Materials and Gels• Inorganic Chemistry Materials• Multi-stimuli Responsive Smart Materials• Corrosion• Computational Materials Science (MOFs, COFs, Gas Storage and Separation, Energy Storage, HER and ORR)	<ul style="list-style-type: none">• Physical Metallurgy• Surface Engineering• Wear behavior of Materials• Lightweight Metals• Mechanical Metallurgy• Crystallographic Texture• Creep Behavior
<p>Faculty Profiles: http://mems.iiti.ac.in/faculty.html</p>	
<ol style="list-style-type: none">1. Dr. Parasharam Shirage http://iiti.ac.in/people/~pmshirage/2. Dr. Rupesh Devan https://rupesh76.wixsite.com/rupesh3. Dr. Mrigendra Dubey http://iiti.ac.in/people/~dubey	<ol style="list-style-type: none">1. Dr. Santosh Hosmani https://sites.google.com/site/santoshhosa/2. Dr. Hemant Borkar https://sites.google.com/site/drhborkar/home3. Dr. Abhijit Gosh http://iiti.ac.in/people/~agosh

<p>4. Dr. Dharendra Kumar Rai http://iiti.ac.in/people/~dkrai</p>	
<p>5. Dr. Srimanta Pakhira https://sites.google.com/view/dr-pakhiras-research-group</p>	

Submit independent application for Section A and B

"Only outstanding candidates will be considered for shortlisting. Mere fulfilling eligibility will not entitle any candidate for being called for interview. The Institute reserves the right to upgrade the selection criterion without assigning any reason."

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

Admissions are offered under the following categories:

FA (Fellowship Awardee), TA (Teaching Assistantship), SW (Sponsored Without Institute scholarship), IS: Institute staff (part time), and DF (Serving personnel in the defense forces), CT (College Teachers).

Details of these categories are provided on <http://academic.iiti.ac.in/phdadvt.php>.

Eligibility:

1. For Section A:

- Minimum first Class* Master degree in the relevant discipline of Science (**Physics/Chemistry/ Materials Science, etc.**) with **valid GATE** score or **UGC/CSIR-JRF** or equivalent fellowship (e.g. DST-INSPIRE Fellowship) *OR*
- Minimum first class* Master degree in the relevant discipline of the Engineering/ Technology (Metallurgy/ Materials/Nano-technology, *etc.*), *OR*
- Minimum first class* Bachelor degree in the relevant Engineering/Technology discipline (Metallurgy/Materials/Nano-technology *etc.*) from a reputed Institute with a **valid GATE score**, *OR*
- B. Tech. degree from an Indian Institute of Technology (IIT) with a minimum CPI of 8.0, *OR*

2. For Section B:

- Minimum first class* Master degree in the relevant discipline of the Engineering/ Technology (Metallurgy/ Materials/ Mechanical/ Production, *etc.*), *OR*
- Minimum first class* Master degree in the relevant discipline of the Engineering/ Technology (Metallurgy/ Materials/ Mechanical/ Production *etc.*) with fellowship, *OR*
- Minimum first class* Bachelor degree in the relevant Engineering/ Technology discipline (Metallurgy/ Materials/ Mechanical/ Production *etc.*) from a reputed Institute with a valid GATE score, *OR*

- B. Tech. degree (Metallurgy) from an Indian Institute of Technology (IIT) with a minimum CPI of 8.0.

Application Procedure:

1. **Candidates must apply ONLINE** through the online portal (<http://academic.iiti.ac.in:8080/nregistration.jsp>). This will generate a unique application number for each applicant. Last date of online application is **1st October 2018** (receipt of hard-copy of the application along with supporting documents on or before **9th October 2018**).
2. Application Fee: Rs. 100/- (INR) to be paid through State Bank Collect (<https://www.onlinesbi.com/prelogin/collecthome.htm>) or through a Demand Draft (DD) drawn in favor of “**Registrar, IIT Indore**” payable at “**Indore.**”
3. After submitting the application online, the eligible candidate **must bring signed hard-copy of the application along with State Bank Collect receipt/ Demand draft, recent photograph, Self-attested relevant Certificates (for SW candidates: No Objection Certificate, Experience Certificate, last 3 months salary slip and Employer's PAN card) and Statement of Purpose (SOP)** at the time of Written Test / Interview.
4. The date of written test / interview will be communicated to only shortlisted applicants. Candidates must take a note that only e-mail communication will be sent.
5. The short-listed candidates must arrange **recommendation letters from three to four referees well before appearing interview**. Referees shall e-mail the reference letters directly to dpgcmems@iiti.ac.in or provide in a **sealed envelope**.

For any queries, please contact:

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