



Recruitment Advt. No: IITDH/R&D/8.48/ME/SMA/SERB-CRG/2021-22

28 January 2022

IIT Dharwad is an Institute of National Importance created by an Act of Parliament in 2016. IIT Dharwad has been steadily establishing its operations in its present campus while at the same time, master plan development and construction of permanent campus infrastructure are also in progress. The Institute is employing bright young and accomplished faculty and staff members. To cater the Institute's temporary requirement under a project in the Department of Mechanical Materials and Aerospace Engineering; IIT Dharwad intends to hold a selection process for the following temporary position:

S. No.	Particulars	Details
1.	Name of the Position	Junior Research Fellow (On Contract)
2.	Number of Positions	1
3.	Essential Qualification	Candidate need to satisfy following two criteria: 1) Graduate/Post Graduate degree in Engineering or MCA/MSc. Mechanical Engineering. 2) Any of the following National Eligibility Test/ Exams: a. CSIR-UGC NET including lectureship (Assistant Professorship) b. GATE c. National level examination conducted by Central Govt. Departments and their agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.
4.	Desirable	Strong orientation and basics in advance mathematics, Wire arc and Laser based Additive Manufacturing (AM), Weld Deposition, Directed Energy Deposition, Inconel Alloys, Low Carbon Steel, Functionally Gradient Objects, Large scale AM, kinematic model, microstructure, SEM, TEM. Strong orientation towards Additive Manufacturing of fused/wire/laser based deposition processes. Familiarity with CAD software such as Solidworks, STL files, 3D printer handling, CNC machine etc.
5.	Consolidated Emoluments	₹31,000/- per month
6.	Duration of the tenure	Maximum 1 years
7.	Tenure of appointment	The appointment for the above contractual position will be initially for 02 (two) months, which can be further extended subject to satisfactory performance, availability of funds in the project and requirement in the project.
8.	Age Limit	Not exceeding 32 years as on the date of selection process.

Job Description:

S. No.	Project Code and Title	Job Description
Post 1.	ME/SMA/SERB-CRG/2020/8.48: Additive Manufacturing of Large Size Metal Components with Wire & Powder Hybrid Direct Energy Deposition (WP-DED) Process	<ol style="list-style-type: none"> Working on Design and development of gradient objects in large scale AM. Microstructure analysis of AM parts via microscope, SEM, TEM etc. Fabrication of multi material via 3D printing. This project is in collaboration between IIT Hyderabad, NIT Karnataka and IIT Dharwad. Hence, project would require research fellow to visit at collaborator institutes. Integration of Wire arc and laser based deposition. Writing project report and articles. Administrative activities related to the project.

Details of Selection Process:

S. No.	Particulars	Details
1.	Important Dates	Last date to submit application form: 10th February, 2022 (5:00pm) Date of Online selection process: 11th February – 14th February 2022 (Above dates are tentative and may change due to current uncertain circumstances due to Covid19)
2.	Selection process	<p>Link to application form: Click here</p> <ol style="list-style-type: none"> Applications will be screened initially. Based on the screening, only the shortlisted applicants will be called for interview via online/ telephone mode. Mere fulfilment of minimum eligibility will not bestow the right for shortlisting, IIT Dharwad reserves the right to screen and shortlist candidates by introducing higher benchmarks. Emails will be sent to all shortlisted candidates. First round of interview will be online interview. If deemed necessary, the selection committee may invite some candidates for in-person interview
3.	Schedule	Time slots will be communicated through email
4.	Documents Required	Applicant should have online version of all original certificates including mark sheets (matriculation onwards), experience certificate(s), monthly

General Instructions to the applicants:

1	Selected candidates shall not have claim on any regular position and shall not be bestowed any of the privileges like Housing, Medical Facility and Other benefits available to regular employees of the Institute.
2	Applicants are advised to ensure, before appearing for Selection Process, that they possess the minimum essential qualification and experience laid down for the post. Qualification obtained has to be from recognized University/Institute.
3	The number of vacancies indicated in the notification is tentative. IIT Dharwad reserves the right to increase or decrease the number of advertised posts at the time of selection. Further, IIT Dharwad reserves the right to NOT fill any of the posts advertised.
4	In case of any inadvertent mistake in the process of selection, which may be detected at any stage even after issue of the appointment letter, the Institute reserves the right to <i>modify, withdraw</i> or <i>cancel</i> any communication made to the Applicants.

5	After joining the service of the Institute, the person(s) will have to abide by the Rules, Regulations, Ordinances, Statutes and Act of the Institute applicable from time to time. He/She may be assigned any duty within or outside the Institute depending upon the exigency of the work.
6	The Institute shall verify the antecedents or documents submitted by a person at the time of appointment or during the tenure of the service. In case it is detected that the documents submitted by the candidates are fake, or the person has a clandestine antecedents or background and has suppressed the said information, then his/her services shall be terminated forthwith and legal action may be initiated against such candidates/employees.
7	No interim correspondence whatsoever will be entertained from the candidates.
8	Canvassing in any form or bringing in any influence political or otherwise, will be a disqualification for the post.
9	In case of any dispute/ambiguity that may occur in the process of selection, the decision of the Institute shall be final.
10	For a query related to Selection Process, applicant may send email on somashekara@iitdh.ac.in However, enquiry/queries related to eligibility for the post/interpretation of rules will not be entertained.

Date: 28 January 2022

Assistant Registrar (R&D)