



Recruitment Advt. No: IITDH/R&D/ME/SMA/Project-Recruitment/8.48/2020-21

21 January 2021

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 has admitted its fourth batch of students this year. To cater the Institute's temporary requirement under a project in the Department of Mechanical Engineering; IIT Dharwad intends to hold a **Walk-In 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	Post Graduate degree in Manufacturing Engineering/Material Science Engineering/Mechanical Engineering selected through a process described through any one of the following: a. Scholars who are selected through National Eligibility Test - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE b. The Selection process through 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 2 years
7.	Tenure of appointment	The appointment for the above contractual position will be initially for 03 (three) 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 30 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: Additive Manufacturing of Large Size Metal Components with Wire & Powder Hybrid Direct Energy Deposition (WP-DED) Process	<ol style="list-style-type: none"><li>Working on Design and development of gradient objects in large scale AM.</li><li>Microstructure analysis of AM parts via microscope, SEM, TEM etc.</li><li>Fabrication of multi material via 3D printing.</li><li>This project is in collaboration between IIT Hyderabad, NIT Karnataka and IIT Dharwad. Hence, project would require research fellow to visit at collaborator institutes.</li></ol>

		<p>5. Integration of Wire arc and laser based deposition.</p> <p>6. Writing project report and articles.</p> <p>7. Administrative activities related to the project.</p>
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**Details of Walk-In Selection Process:**

S. No.	Particulars	Details
1.	Date	3 Feb 2021
2.	Reporting Time	09:00 AM
3.	Venue	IIT Dharwad, WALMI Campus, Near High Court, Dharwad - 580011
4.	Documents Required	Applicant should bring all original certificates including mark sheets (matriculation onwards), experience certificate(s), monthly emoluments/salary drawn, other relevant documents (including one set of self-attested certificate(s)/document(s) and updated Curriculum Vitae.

**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 Walk-In 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. Eligibility in terms of age, qualification and experience of a candidate shall be considered as on the date of Walk-In Selection Process.
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	No TA/DA will be paid for attending the Walk-In Selection Process.
5	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.
6	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.
7	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.
8	No interim correspondence whatsoever will be entertained from the candidates.
9	Canvassing in any form or bringing in any influence political or otherwise, will be a disqualification for the post.
10	In case of any dispute/ambiguity that may occur in the process of selection, the decision of the Institute shall be final.
11	For a query related to Walk-In Selection Process, applicant may send email on <a href="mailto:somashekara@iitdh.ac.in">somashekara@iitdh.ac.in</a> However, enquiry/queries related to eligibility for the post/interpretation of rules will not be entertained.

Assistant Registrar (R&D)

Date: 21 January 2021