



PRODUCTION AND INDUSTRIAL ENGINEERING
BIT SINDRI, DHANBAD
Department of Higher & Technical Education
Government of Jharkhand



Ref. No: **143 (P&I)**

Date: **22/7/2025**

Advertisement for Project Associate-I under JCSTI sponsored project

Applications are invited under the Jharkhand Council on Science Technology and Innovation (JCST&I) sponsored project. The details of the position are as under:

Positions	Project Associate-I
Number of Position (s)	01 (One)
Title of the Project	In-situ monitoring and quality control using Acoustic emission sensing in Wire-arc Additive manufacturing: Implementation of state-of-the-art machine learning techniques
Principal Investigator	Dr. Mukesh Chandra, Assistant Professor, Production and Industrial Engineering
Co-Principal Investigator	Prof. Prakash Kumar, Professor & Head, Production and Industrial Engineering
Tenure of Appointment	6 Months or till the date of completion of the project, whichever is earlier, subject to satisfactory performance of the candidate.
Job Description	Conducting experimental work on robotics-controlled GMAW process, data collection related to Acoustic emission & processing, and development of ML pipeline, training, and testing of ML model
Essential Qualification (s)	B.E/B.Tech or ME./M.Tech with first class in Mechanical/Production/ Manufacturing/Material Science Engg./CSE/AI & ML or specialisation in a relevant field of the project
Desirable Experience	Experienced in robotics-controlled GMAW process, Programming in Python, fundamentals of Machine learning, signal processing, and acoustic emission sensing
Age and relaxation (if any)	The upper age limit is 35 years based on the last date of submission of the application Age relaxation for SC / ST / PH / OBC as per GOI rules).
Fellowship	Consolidated monthly emoluments Rs. 25,000/-
Link to apply	https://forms.gle/effFk5omjTRywpR48
Last Date & Time	8 Aug. 2025, 5: 00 PM

Important Instructions

- Candidates shall ensure that they are eligible for the position they intend to apply for.
- Candidates are requested to submit scanned attested copies of all certificates regarding age, qualification, experience, along with their latest CV by Email to mukesh.prod@bitsindri.ac.in or submit in the Google form.
- Shortlisted candidates will be informed for the date of interview via mail only.
- Mere possession of the minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirements of the project. The decision of the selection committee will be final.
- Candidates who have qualified GATE or CSIR-UGC NET will be given preference.
- No TA/DA or accommodation will be provided to attend the interview.
- Selected candidate will be provided with hostel accommodation on demand as per the institute norms.

Dr. Mukesh Chandra
Principal Investigator