



## Research and Development Section Indian Institute of Technology Guwahati Guwahati-781039, Assam

**Project Title:** Development of multi-material wire arc additive manufacturing process including the effect of multi-physics problem of droplet interaction, metallurgical model and free surface profile using phase field method

**Date of Interview:** 18<sup>th</sup> May 2022

**Time:** 10 am

**Venue:** Online through MS Team/Google meet

**Project staff designation:** JRF (GATE)

**Number of post:** 01

**Pay scale:** 31,000/- + HRA 16% + Medical 1,250/- = 37,210/- per month (fixed)

**Duration of Appointment:** 11 months, which is extendable further two years based on the performance.

**Qualifications:** B.E or B. Tech in Mechanical Engineering/ Production Engineering/ Instrumentation Engineering/ Manufacturing Science/ Metallurgical Engineering and Material Science or equivalent branches with a valid Gate Score OR M. Tech/ M. E. in Machine Design/ Manufacturing/ Metallurgy and Materials Science /Computational Mechanics/ Thermal engineering /CAD-CAM/ Additive Manufacturing or related area with GATE Qualified OR PhD in Mechanical Engineering or related area

**Nature of work:** The candidate will be required for the design and development of multiwire plasma welding system and metallurgical analysis of the samples for wire arc additive manufacturing process. The knowledge of the simulation of additive manufacturing process using any finite element based software and metallurgical model of multiwire deposition will be preferred. The knowledge of robotic-cell for wire arc additive manufacturing process and knowledge of CAD – CAM software will be an added advantage for the project.

**Age:** As per Government of India norms

Eligible candidates have to fill the form using the link given in the end of this paragraph

and Upload the CV containing all educational qualifications, experiences, contact address, phone no., Email, etc. as a single PDF file on or before 14<sup>th</sup> May 2022.

**Link for the application form:** <https://forms.gle/5BzBBC2RNfA2RiiCA>

Only shortlisted candidates will be informed via mail on 15<sup>th</sup> May 2022 about the mode of online interview.

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HOS (R&D)