



भारतीय प्रौद्योगिकी संस्थान इन्दौर
सिमरोल, खण्डवा रोड, इन्दौर, भारत, पिन - 453 552
Indian Institute of Technology Indore
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IIT Indore

July 20, 2023

Advertisement for Junior Research Fellow in Project funded on the development of Soft Robotic systems

Applications are invited from high caliber, enthusiastic and research-oriented candidates for the position of **Junior Research Fellow (JRF)** in a research project entitled “**Design and development of shape memory alloy actuated soft jelly fish robot towards inspection of intricated structures and surveillance with IOT based health monitoring system**” sponsored by the IIT Guwahati Technology Innovation and Development Foundation (IITG TI&DF) which has been setup at IIT Guwahati as a part of the National Mission on Interdisciplinary Cyber-Physical Systems.

About the project: The project is focused on a development of SMA based soft robotic jellyfish towards noise less underwater surveillance and marine life monitoring using smart and soft materials with IOT based health monitoring system.

Essential Qualification: First Class B.E./B.Tech./M.E./M.Tech in Mechanical Engineering/Mechanical and automation/Mechatronics/Production/Industrial Engineering/Electronics and/or Instrumentation/Data science. Candidate must have qualified GATE in Relevant area.

Desirables: The candidate should possess a good knowledge of Smart actuators, sensor, system dynamics, control, and data acquisition. Additionally, candidate with good exposure to data analysis, machine learning technique, and signal processing are highly encouraged to apply.

Monthly Stipend: Rs. 31,000 per month + HRA as per the funding agency norms.

Duration: Initial appointment is for eleven months, which is extendable further based on performance up to the project duration. **Selected candidate may be considered for admission to Ph.D Programme as a regular full-time scholar at IIT Indore as per Institute norms.**

How to Apply:

1. Interested candidates are requested to submit a **detailed CV** to Prof. I.A. Palani (palaniia@iiti.ac.in), via email only with the subject line as “**Application for JRF position in Project funded by IIT Guwahati Technology Innovation and Development Foundation (IITG TI&DF)**”. The last date for submission of applications is August 20, 2023. Only shortlisted candidates will be intimated by email for the online interview. CV should include complete information such as academic grades/percentage starting from Xth standard onwards with the details of year of passing, university or college, GATE score with year, discipline, marks, All India Rank, number of candidates appeared, contact details and a valid email id. **Kindly mention the work experience in detail of related field.** Incomplete applications will be rejected.