भारतीय प्रौद्योगिकी संस्थान तिरुपति
INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
CENTRE FOR
SPONSORED RESEARCH AND CONSULTANCY
Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, A.P – 517619

No.: Advt/ IITT/CSRC/2024 -25/26 **Date: 21-10-2024**

Applications are invited from eligible Indian nationals for a JRF position in a sponsored project undertaken at IIT Tirupati

Position	**Junior Research Fellow**
Essential Qualification	**B.E./ B.Tech. with 2 years of experience** in Mechanical Engineering/ Mechatronics/ Robotics/ Electrical and Electronics/ Electronics and Communication/ Computer Science and Engineering/ relevant discipline **(or)** **M.E./M. Tech.** in Mechanical Engineering/ Mechatronics/ Robotics/ Electrical and Electronics/ Electronics and Communication/ Computer Science and Engineering **CGPA requirements:** 7.5/10 CGPA or 75% marks *Relaxation:* 7.0 CGPA or 70% for OBC/EWS 6.5 CGPA or 60% for SC/ST/PWD Applicant must be **GATE qualified**
Desirable Qualification	Candidate with previous experience in CAD modelling/ working with motors and drives/ sensors/ microcontrollers (Arduino, Raspberry Pi, etc.)/ mathematical modelling, simulation and analysis/ control system design/ PCB design
Research Area/ Title	Underwater Robotics - Development of an Underwater Glider
Sponsoring Agency	Ministry of Earth Sciences
No. of Position	Two
Monthly Salary	Rs. 37,000 + HRA as applicable
Principal Investigator	Dr. Thiyagarajan R
Department	Mechanical Engineering
Maximum Tenure of Assignment	Initially for 1 yr, with possible extension for one more year based on performance. There is a provision to convert to MS (Research) and/or PhD through a due admission process to work at Field Robotics Lab, IIT Tirupati (https://thiyaguiitt.wixsite.com/acad)
Desired Experience	Candidate with previous experience in CAD modelling/ working with motors and drives/ sensors/ microcontrollers (Arduino, Raspberry Pi, etc.)/ mathematical modelling, simulation and analysis/ control system design/ PCB design
Brief Project Description and Nature of the Work	Design and development of an Underwater glider for operation up to 100m depth. The candidate is expected to work on CAD design, development of mathematical model in MATLAB/Simulink environment, develop the mechatronic architecture, implement them and test.
Age Limit	Below 28 years (Relaxed for exceptional candidates)
Last date application	03rd November 2024 (5:00 PM By email) csrc_recruitment@iittp.ac.in and to Dr. Thiyagarajan (thiyagu@iittp.ac.in)
Application Link	https://forms.gle/L1nQPXvQxtoaQg9z9

Eligible candidates must send a **detailed CV (maximum 4 pages)** specifying their qualifications and experience **and a brief statement of purpose (Why are you interested, and what makes you qualified?)** on or before **03rd November 2024.** The shortlisted candidates will be informed by **Email only**. Selection will be based on the qualification, experience, and interview**.** No TA & DA for attending the interview.

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