

No.: Advt/ IITT/CSRC/24-25/42

21-01-2025

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

Position	<u>Junior Research Fellow</u>
Essential Qualification	B.E./ B.Tech. with 2 year 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: 8/10 CGPA or 80% marks <i>Relaxation:</i> 7.5 CGPA or 75% for OBC/EWS 7.0 CGPA or 70% for SC/ST/PWD
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
Project No.	MEE2425007MOESTHIY
Sponsoring Agency	Ministry of Earth Sciences
No. of Position	One
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
Last date application	05 th January 2025
Application Link	https://forms.gle/uLso6GUrJqvCqrEQA

Eligible candidates must attach a detailed CV specifying their Qualifications and Experience with scanned copies of marksheets and certificates from X class till date. A brief statement of purpose (Why they are interested in this project topic?) also to be attached with the application link.

The shortlisted candidates will be informed by Email only. Selection will be based on the qualification, experience, and in-person interview at IIT Tirupati. No TA/DA shall be paid to candidates appearing for an interview online or offline. The interview date will be notified to the shortlisted candidates by Email. For any queries send mail to csrc_recruitment@iittp.ac.in

IIT Tirupati also reserves the right to discontinue the position with 1month notice if the performance is not satisfactory.

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