Indian Institute of Technology Guwahati Technology Innovation and Development Foundation
Assam, India, Pin – 781 039

Applications are invited for **Online Interview** for the project position of: **Junior Research Fellow** in a TIH-IITG sponsored project entitled **"Design and Development of a Robotic Vision System for Underwater Trash Detection using Subsea Inpainting and Textual Artifact Analysis"** at IIT Guwahati TIDF. The appointment will be for 8 months, may be extended based on fund availability and candidate's performance.

Last date for applying: 20.04.2024
Date and Time of Interview: Shortlisted candidates will be intimated via Email Mode:
Online

Sl. No.	Project Staff Designation	Number of Vacancies	Pay Range (Rs.)	Duration of Appointment	Qualifications
01.	Junior Research Fellow	02	31,000.00 (Consolidated)	8 months	B.Tech. with sound knowledge of Python Programming and Machine Learning.

Desirable:
- The ideal candidate should possess a strong sense of independence, capable of making autonomous decisions, managing troubleshooting tasks efficiently and driving scientific initiatives forward.
- The candidate should have experience in machine learning using Python with knowledge of libraries such as tensorflow, opencv and knowledge of Raspberry Pi.

Responsibilities:
The main responsibility will be the development and implementation of cutting-edge technologies for underwater exploration and surveillance. This includes the design, development, and deployment of underwater robots utilizing Raspberry Pi as a core component. Implementing and fine-tuning object detection algorithms in Python is required to enhance the robot's capabilities in identifying and navigating around underwater obstacles and targets. Additionally, you will collaborate closely with cross-functional teams to integrate sensor systems, optimize hardware configurations, and ensure seamless communication between the robot and its control systems.

How to apply and selection process:
Interested candidates may mail their CV with mark sheets, certificates of educational qualifications and experiences (if any) along with copies of relevant documents to **anirban.dasgupta@iitg.ac.in** and **parijat.bhowmick@iitg.ac.in** on or before 20th April, 2024. The shortlisted candidates with academic qualification and experience will be intimated by email.

For any clarification, contact by e-mail: **anirban.dasgupta@iitg.ac.in**
Selection will be based on the performance of the candidate in the interview.

The candidates who are already employed under Central/State Govt./ PSU/ Autonomous Bodies/ Private Organization etc. will have to submit a No-objection Certificate (NOC) from the concerned employer in advance or at the time of interview failing which the candidate will not be allowed to appear for an interview.