

**IIT Guwahati Technology Innovation and Development
Foundation
Guwahati-781039, Assam**

Applications are invited for an **Online/Offline interview** for NMICPS Sponsored " **Technology Innovation Hub (TIH) on Technology for Underwater Exploration**" at IIT Guwahati TIDF. The project titles along with the name of Principal Investigators (PIs) are given below.

Date: To be Announced
Time: To be Announced
Online: Google Meet / Skype

Sl No.	Project Staff Designation	Number of Vacancies	Pay Recommended	HRA	Medical Facility	Duration of Appointment in months	Qualifications
1	JRF	13	Rs 31000	Yes 16%	No	11	B. Tech/Equivalent in CSE/IT/EEE/EE/ECE/ETC/IN/Mechatronics with valid <i>GATE Score</i> * or M. Tech/Equivalent in CSE/EEE/EE/ECE
2	JRF	2	Rs 31000	Yes 16%	No	11	B. Tech/Equivalent in Civil Engineering with valid <i>GATE Score</i> * or M. Tech in Civil Engineering

* *B.Tech. candidates without having GATE Score, and with experience in Underwater Technologies will be considered with pay scale Rs. 22,000 – 1,000 – 32,000/- (+ HRA).*

Candidates having their B Tech / M Tech Projects in the following mentioned relevant fields will be preferred. The candidate will be working in one of the following Projects:

PR – 1: Design and Analysis of RF Section for Ka-band Vacuum Electronics Devices. This project work will be carried out in the **NIT Mizoram Campus. PI: Prof. Chaitali Koley**

PR – 2: Underwater Vehicle for water quality monitoring of river bodies. This project will be carried out in the **NIT Silchar Campus. PI: Prof. B. K. Roy (Preferable: EE (control systems))**

PR - 3: Unmanned Exploration of underwater ecological system both in fresh and sea water. This project will be carried out in the **CMRI Durgapur Campus. PI: Dr. Sambhunath Nandy (Two JRFs)**

PR - 4: Under water computer vision. This project will be carried out in the **IIT Guwahati Campus. PI: Prof. Arijit Sur**

PR - 5: Smart underwater Monitoring System. This project will be carried out in the **NIT Arunachal Pradesh Campus**. *PI: Prof. Sahadev Roy, (Two JRFs)*

PR – 6: Design and Implementation of AI powered Autonomous Underwater Vehicle (AUV) and IoT Enabled Underwater Acoustic Sensor Networks. This project will be carried out in the **IIT Bhubaneswar Campus**. *PI: Prof. Pravas Ranjan Sahu*

PR – 7: Development of hardware setup and real time implementation of cooperative motion control algorithm for autonomous underwater vehicle under communication constrain. This project will be carried out in the **VSSUT Campus, Burla, Odisha**. *PI: Prof. Bikramaditya Das*

PR – 8: Dolphin monitoring Internet of Things (IoT) Network in River Brahmaputra. This project will be carried out in the **IIT Guwahati Campus**. *PI: Prof. Sonali Chaouhan*

PR – 9: Smart Pond Monitoring System for Aquaculture Farming & Wetland monitoring System, Flood monitoring System. This project will be carried out in the **IIT Guwahati Campus**. *PI: Prof. S. Dutta*

PR – 10: Design and development of a digital holographic microscopic imaging system for detection and recognition of underwater microorganisms and particles. This project will be carried out in the **IIT Guwahati Campus**. *PI: Prof. P. Guha*

PR – 11: Smart Pond Monitoring System for Aquaculture Farming & Wetland monitoring System, Flood monitoring System. This project will be carried out in the **IIT Guwahati Campus**. *PI: Prof. S. Dutta* (only for Civil Engineering (Water Resources/Environmental Background), Sl No 2)

PR – 12: Underwater Vehicle for water quality monitoring of river bodies. This project will be carried out in the **NIT Silchar Campus**. *PI: Prof. B. K. Roy* (only for Civil Engineering (Water Resources/ Fluid Dynamics))

PR-13: Design and development of different life supporting, monitoring, safety, assisting and communicating devices for divers to prevent and management of diving accidents during underwater exploration IIT Guwahati.

Prof. S. Kanagaraj

How to apply and selection process: 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 14th August 2022**.

Link for online application form:

<https://forms.gle/ArsPxJd464XgmvF19>

Shortlisted candidates will be informed via mail on **22nd August 2022** about the mode of online interview.

Note: For any query you can send us an email at careers@iitgtidf.com.

Ref: IITGTIDF/TIH/22-23/Recct04

Project Director