Birla Institute of Technology & Science, Pilani

Pilani Campus

Sponsored Research and Consultancy Division (SRCD)

CALL FOR RESEARCH STAFF POSITION

Date: 27 September 2022

About: Applications are invited from interested and motivated candidates for the post of Junior Research Fellow (JRF)/ Project Associate-1 in a time-bound research project for a temporary period purely on a contractual basis as per the following details:

Position:	Junior Research Fellow (JRF)/Project Associate-1
Number of Vacancies:	01
Project Title:	**LoRa-WSN-based IoT Communication Platform for Precision Agriculture**
Funding Agency:	DST TIH Foundation for IoT and IoE
Principal Investigator:	**Dr. G S Sesha Chalapathi** Department of Electrical and Electronics Engineering
Project Tenure:	Till 31 March **2024** (with a possible 6-month extension)
Job Description:	This project aims to develop a communication platform using the LoRa protocol for precision agriculture applications. The JRF would get an opportunity to work on a hardware platform that will be deployed and tested on an agriculture farm. This sensor network aims to collect various soil, weather, and plant health parameters for timely and efficient decision-making to increase crop productivity. The JRF will integrate the sensors, implement communication protocols and investigate the optimal sensor deployment in agriculture farms.
Qualification:	M.E. / M. Tech. in Embedded Systems/ Electronics Engineering or Equivalent degree along with GATE/NET qualification. OR M.Sc. in Electronics or equivalent degree. Prior working experience in microcontroller-based hardware projects, sensor interfacing with microcontrollers, sending data to the cloud, etc. *Desirable*: a) Good written and spoken English and some experience in technical writing. b) Working Knowledge of Machine Learning and Deep Learning will be an added advantage.
Upper Age Limit	Age not exceeding 35 years as of the date of interview. Age relaxation is allowed for up to 5 years for SC/ST/PH/OBC/WOMEN candidates.
Fellowship:	₹ 31,000/- per month for NET/GATE qualified candidates. ₹ 25,000/- per month for non-NET/GATE qualified candidates.
Registration for PhD.:	Selected candidates will be given the opportunity for a full-time Ph.D. program at BITS, Pilani as per the institute norms.

How to Apply:

Applications along with updated CV should be sent through mail to **sesha@ieee.org** with the subject of the mail as '*Application for JRF position – TIH-IoT Project'* and compulsorily fill in their details here (candidate

should log into Gmail and then open this link in a new tab to fill in details). Shortlisted candidates will be informed of the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview. Candidates will be shortlisted based on their merit and as per the requirement of the project. Please note that only qualified and suitable candidates will be called for an interview.

Application Deadline: 12 October 2022

Contact Email: sesha@ieee.org