भारत सरकार /Government of India

अंतरिक्ष विभाग/Department of Space

भारतीय अंतरिक्ष विज्ञान एवं प्रौद्योगिकी संस्थान

INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY

वलियमला पोस्ट / Valiamala PO, तिरुवनंतपुरम / Thiruvananthapuram-695 547

Indian Institute of Space Sciences and Technology (IIST) invites application for the following project positions to work in the research projects:

Category No.	Project Title	Educational Qualification/Skill	Consolidated monthly remuneration	No. of posi-tions
JUNIOR PROJECT FELLOW				
JPF-04/2024	Near and Far Field Diagnostics for HET	**Minimum Qualification**: - B.E/B.Tech in Electronics and Communication Engineering/Avionics related areas. **Desirable:**- Knowledge of circuit design, PCB layout design, testing and amp: debugging of electronics, embedded systems development, data analysis of scientific data from payload, etc.	Rs.28000/- consolidated	01
JPF-05/2024	Novel high power integrated battery chargers for electric cars and e-bikes	**Minimum Qualification:** B Tech in Electrical Engineering, Electronics and Communication engineering, Electronics and Instrumentation or related areas OR Post graduation (ME/M.Tech) in Power Electronics or related areas. **Desired Experience**: Project experience in electronic hardware building/ power electronic building/power electronics project **Preferable experience/exposure**: Embedded C, coding with micro-controllers, DSP and FPGAs for real-time control applications.	Rs.22000/- consolidated	01

JPF-06/2024	Implementation of Ensemble Sensitivity approach to estimate the impact of observations in IMD-GFS forecast	**Minimum Qualification:-** Post Graduation in Atmospheric Science/Meteorology/Earth System Science/Physics or equivalent/ BS-MS in Earth Science or equivalent. **Desired Experience**: - Knowledge in Atmospheric models, Data Assimilation/coding in Python.	Rs.31000/- plus HRA	01
POST DOCTORAL RESEARCH FELLOW				
PDF-01/2024	Powertrain for All-Electric HANSA NG-Technology Demonstration	PhD in Power Electronics/Electrical engineering or related areas. **Desirable Experience**: - Exposure to simulation and building power converters, embedded systems and programming, testing of power converters. **Preferable experience/exposure**: - Design of electronic systems, PCB layout and PCB assembly.	Rs.80000/- plus HRA	01
JUNIOR RESEARCH FELLOW				
JRF-03/2024	Powertrain for All-Electric HANSA NG-Technology Demonstration	M.Tech/ME. In Power Electronics or equivalent. Prospective candidate must have done final year M. Tech dissertation in the area of Power Electronics. **Desirable Experience**: - Prospective candidate should have demonstrated analytical results through experiments in the final year M. Tech dissertation. **Preferable experience/exposure**: - Experience in designing and building hardware setup would be preferred.	Rs.37000/- plus HRA	02
JRF-04/2024	Powertrain for All-Electric HANSA NG-Technology Demonstration	ME/M.Tech in Mechanical Engineering or related areas, **specialization**: - Thermal Engineering. **Desirable Experience**: - Experience in modeling and simulation of thermal systems. **Preferable experience/exposure**: -Finite element modeling, simulation and thermal analysis including cryo cooled systems.	Rs.37000/- plus HRA	01

PROJECT ASSOCIATE – I				
PA-I- 01/2024	Digitalization of third trimester ultrasound images and videos for creation of a Virtual Reality Training-Aid using Deep Learning	**Minimum Qualifications**: - First Class Bachelors or Masters in MSW/Public Health/Health Management/Health Science/ Public Health/ any engineering branches/Life Sciences/ Zoology. Should be well-versed in Gujarati/Hindi. Excellent communication skills Local travel within Ahmedabad/Trivandrum will be required.	Rs.31000/- per month + HRA	01
PA-I-02/2024	Secure Control Algorithms Design for Distributed Formation and Containment Problems subjected to cyber attacks	**Minimum Qualification: -** M Tech/B Tech in Electronics and Communication Engineering/MSc in Electronics Science or any other allied discipline. Knowledge of MATLAB and/or Python is a must. Knowledge of Linear Algebra, Probability and Random Process are desired. **Desired & Preferable Experience:** - For B Tech/MSc Candidates, research experience of 2 years is desired.	Rs.31000/- + HRA for candidates with GATE/CSIR-UGC NET (including lectureship qualification. Rs.25000/- +HRA for those without the above	01

Maximum Age limit 35 years as on 05.03.2024

Category code	Monthly Remuneration	No. of positions
JPF-04/2024	Rs.28000/- consolidated	01
JPF-05/2024	Rs.22000/- consolidated	01
JPF-06/2024	Rs.31000/- plus HRA	01
PDF-01/2024	Rs.80000/- per month + HRA	01
JRF-03/2024	Rs.37000/- plus HRA	02
JRF-04/2024	Rs.37000/- plus HRA	01
PA-I -01/2024	Rs.31000/- plus HRA	01
PA-I -02/2024	Rs.31000/- plus HRA	01

General Conditions/Instructions:

1. Only Indian nationals need apply.

2. All degrees mentioned above should be in **FIRST CLASS**. Candidates should possess the required qualification as on the last date for receipt of application.

3. Candidates are advised to upload the relevant certificate such as mark sheet, Degree/PG Certificate, Experience certificate etc. at the time of registering the online application.

4. The tenure of the above posts are 12 months except for **PA-I-02/2024 for which it is 9 months.**

5. **For JPF-05/2024, JRF-03/2024 & JRF-04/2024 candidates can register for PhD at IIST during next admission cycle if PhD qualification requirements are met by the candidate. (Only for PG qualified candidates)**

6. The Institute reserves the right to terminate the appointment at any time before completion of the tenure/project, if it so decides.

7. Application received online only will be considered for processing under any circumstances.

8. The applicants will not be allowed to make any changes in the profile registration once submitted. Hence utmost care should be taken by the candidates while filling the profile.

9. Facility for online submission of application will be available from **February 14 , 2024 to 5th March, 2024**

10. 'No Objection Certificate' from the employer concerned is required in respect of those applicants who are employed under Central/State Government/Public Sector Undertakings/Autonomous Bodies.

11. Only short listed candidates will be called for written test/interview as the case may be. Candidates possessing advertised qualification, skill, experience etc., alone will be allowed to attend the written test/interview.

12. Government strives to have a work force which reflects gender balance and women candidates are encouraged to apply.

13. Candidates who are selected for the positions have to join IIST by the specified date.

14. The above positions are not entitled for hostel facility at IIST.

15. Candidates are advised to visit the IIST website https://www.iist.ac.in/career/3 for any updates on latest status of their application.

16. No interim correspondence will be entertained.

17. Canvassing in any form will be a disqualification.

18. **Candidates shortlisted will be called for on-line interview.**

Advt. No.IIST/Academics/02-02/2024 dtd.14.02.2024

Email: projectrecruitment@iist.ac.in/Phone No.0471-2568478