



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 positions
PROJECT ASSOCIATE II				
PA-II-03/2025	Signal processing for wireless communication / RF Communication / Antenna design	<u>Desired Qualification:</u> B Tech in ECE or related areas with two-year experience in Research and Development in Industrial and Academic + valid GATE score Or M. Tech in ECE or related areas + valid GATE score <u>Preferrable Experience</u> 1.Experience in working with any Electromagnetic Simulation Software Or 1.Coding knowledge in Mat lab /Python 2. Knowledge in Deep learning 3. Working experience in SDR (not mandatory)	Project Associate II- ₹35,000/- plus HRA	03
PA-II-04/2025	Development and Prototyping wideband spectrum sensing and sharing system for efficient spectrum utilization (Department of Telecommunication)	<u>Desired Qualification:</u> B.Tech in ECE or related areas with 4-year experience in R&D in Industrial or academic institution OR M. Tech in RF and Microwave/ Digital Signal Processing or equivalent 2-year experience in R &D in Industrial or academic institution OR B.Tech in ECE or related areas with 2 year experience in R&D in Industry or academic with a valid GATE Score OR M. Tech in RF Communication / Digital Signal Processing or equivalent with a valid GATE Score. <u>Desired Experience:</u> Experience in design, simulation measurement of antenna & strong background in programming language like MATLAB/Python <u>Preferable Experience</u> Research experience in design of antennas, digital signal processing including algorithm development, implementation and analysis.	Project Associate II- ₹35,000/- plus HRA	01
PROJECT FELLOW				

PF-04/2025	Instrumentation and Signal Processing for Remote Monitoring or Bio-Parameters Based on Magneto Plethysmographs	<p><u>Desired Qualification:</u> M.Tech/M.E./Master of Science in Applied Electronics and Instrumentation / Biomedical Instrumentation / Electronics and Communication / Instrumentation and Control / Instrumentation and Signal Processing / VLSI / Embedded Systems or related fields.</p> <p><u>Desired Experience:</u> Fundamentals of Electronics, Good knowledge in one of the following areas: (1) Circuit Simulation and Experimentation, (2) Biomedical Electronics and Systems. (3) Micro-controller programming.</p> <p>(This position is for a period of one year or co-terminus with the project, whichever is earlier.)</p>	Project Fellow ₹27,800/-	01
PROJECT ASSOCIATE				
PA-01/2025	SSPACE Projects/ Missions. (AHAN, INEXT thruster, Satellite development and Integration, IHRX and Drone related activities)	<p><u>Desired Qualification</u> M.Tech/M. E or B.Tech/B.E. in Aerospace Engineering/ Aerodynamics and Flight Mechanics/ Structures and Design</p> <p><u>Desired Experience</u> At least two years of experience in satellite systems engineering, structural and thermal design and analysis, experience in design of feed line system schematic development, and structural validation. Experience in Project management and assembly</p> <p><u>Preferrable Experience/ Exposure</u> To design and develop validation test case experimental setups for various subsystems for satellites and rocket including procurement and fabrication monitoring.</p>	Project Associate ₹42,000/-	01
JUNIOR PROJECT FELLOW/SENIOR PROJECT FELLOW				
JPF-03/2025 OR SPF-01/2025	SSPACE Projects/ Missions. (SAP3/SAP2 and other microbiology experiments for space missions)	<p><u>Desired Qualification</u> B.Tech/ MSc in Bio-Technology or Microbiology</p> <p><u>Desired Experience</u> Preferred knowledge in handling bacteria, fungi and other microorganisms in lab controlled environment.</p> <p><u>Preferrable Experience/ Exposure</u> At least 1-year experience in with knowledge in handling bacteria, fungi and other microorganisms in lab controlled environment. Hands on experience in microbiological techniques and molecular methods. Knowledge in astro-biology.</p> <p>Note: The offered position of JPF/SPF will depend on the performance of the candidate in the written test/interview whichever is/are applicable.</p>	Junior Project Fellow- ₹28,000/- Or Senior Project Fellow ₹ 31,000/-	01

JPF-04/2025 OR SPF-02/2025	SSPACE Projects /Missions. (AHAN/IHRX/structure Design and development /Mechanical analysis/generate ED for manufacturing and integration	<p><u>Desired Qualification</u> B.E/B.Tech in Aerospace Engineering / Aerospace Engineering with specialization in Avionics/ Aeronautical Engineering/ Mechanical Engineering</p> <p><u>Desired Experience</u> At least 1 year of experience in CAD modelling, structural design and development of systems, mechanical analysis and system integration.</p> <p><u>Preferrable Experience/ Exposure</u> Knowledge and experience in system modelling of satellite, rocket and aircraft systems. Also good knowledge of propulsion systems, fluid dynamics, and compressible flow. The candidate should be able to identify and carry out integration and validations of components such as valves, plumb lines, and interconnection units for various sub-systems of the experimental rocket.</p> <p><u>Note:</u> The offered position of JPF/SPF will depend on the performance of the candidate in the written test/interview whichever is/are applicable.</p>	Junior Project Fellow- ₹28,000/- Or Senior Project Fellow ₹ 31,000/-	01
JPF-05/2025 OR SPF-03/2025	SSPACE Projects/Missions (Ground station development and maintenance, SDR and embedded systems development)	<p><u>Desired Qualification</u> B.E/B.Tech in ECE/Avionics/Electronics / DD Engineering Physics/ MSc Physics</p> <p><u>Desired Experience</u> Knowledge of RF systems, SDR based systems and Embedded systems development, data analysis of science data from the payload, and expected to learn from open resources</p> <p><u>Preferrable Experience/ Exposure</u> Knowledge of RF systems, Embedded systems development</p> <p><u>Note:</u> The offered position of JPF/SPF will depend on the performance of the candidate in the written test/interview whichever is/are applicable.</p>	Junior Project Fellow- ₹28,000/- Or Senior Project Fellow ₹ 31,000/-	01

Maximum Age limit 35 years as on 05.06.2025

<u>Category code</u>	<u>Monthly Remuneration</u>	<u>No. of positions</u>
Project Associate-II	₹35,000/- plus HRA	04
Project Fellow	₹27,800/-	01
Project Associate	₹42,000/-	01
Junior Project Fellow OR Senior Project Fellow	₹28,000/- OR ₹31,000/-	03

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. **Candidates have an option to register for PhD at IIST during next admission cycle if PhD qualification requirements are met by the candidate. (Only for PG qualified candidates)**
5. The Institute reserves the right to terminate the appointment at any time before completion of the tenure/project, if it so decides.
6. Application received online only will be considered for processing under any circumstances.
7. 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.
8. Facility for online submission of application will be available from **09 June, 2025 to 20th June, 2025**
9. '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.
10. 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.
11. Government strives to have a work force which reflects gender balance and women candidates are encouraged to apply.
12. Candidates who are selected for the positions have to join IIST by the specified date.
13. The above positions are not entitled for hostel facility at IIST.
14. Candidates are advised to visit the IIST website <https://www.iist.ac.in/career/3> for any updates on latest status of their application.
15. No interim correspondence will be entertained.
16. Canvassing in any form will be a disqualification.
17. **Candidates shortlisted will be called for online interview.**

Advt No,IIST/Admin/12-06/2025 dt. 09.06.2025

Email: projectrecruitment@iist.ac.in/Phone No.0471-2568601

