



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 position to work in the research projects:

Category No.	Project Title	Educational Qualification/Skill	Consolidated monthly remuneration	No. of positions
<u>Junior Project Fellow</u>				
JPF-01-12/2023	Advanced spectroscopic imaging to investigate flavonoid interactions and molecular processes in hepatocytes	Minimum Qualification: - M.Sc. in Chemistry/Polymer Chemistry and allied branches. Minimum Experience: 1. Experience in synthesis and characterization of Biopolymer or Biomaterials. 2. Knowledge in vibrational spectroscopy and multivariate spectral analysis.	Rs.25000/-	01
JPF-02-12/2023	SSPACE activities	Minimum Qualification: - BE/B Tech in Electronics and Communication Engineering/Avionics related areas. Desirable: Knowledge of circuit design, PCB layout design, testing & debugging of electronics, embedded systems development, data analysis of scientific data from the payload etc.	Rs.28000/-	02
JPF-03-12/2023	SSPACE activities	Minimum Qualification: - B.E/B Tech/DD Engineering Physics/Biotechnology or MSc Physics/Biotechnology/Biology and related areas. Desirable: - The candidate should have relevant knowledge in their domain and willingness to learn from open resources, willing to work with RF system, SDR based systems and Embedded systems development. Preferable: The job involves analysis of science data from the satellite payloads, development of new	Rs.28000/-	01

		<p>payloads. Project work in the relevant field as part of the curriculum.</p> <p>Job Profile: - Test & Evaluation of spacecraft and quality control, ground station monitoring, compilation and analysis of data, documentation, presentation to the review committee.</p>		
<u>Senior Project Fellow</u>				
SPF-01-12/2023	Development of Magneto Dielectric Substrate Metamaterial based L-band antenna	<p>Minimum Qualification: M Tech in RF and Microwave Engineering or related areas.</p> <p>Desirable: Knowledge of simulation software like HFSS, CST Microwave studio.</p>	Rs.25300/-	01
Research Assistant				
RA/01-12/2023	Indian Space Programme and its Impact in the Industrial Sector of India	<p>Minimum Qualification: Post Graduate in Economics/Sociology/Social Work/Political Science/Public Administration/Geography/English Literature with 60% marks or more.</p> <p>Preferable experience/exposure: One year or more experience working on similar projects</p>	Rs.23000/-	01
Junior Research Fellow				
JRF-01-12/2023	CARS project with DRDO Titled, "Mathematical Modelling and Locomotion Control Design for Quadruped and Biped Robots"	<p>Minimum Qualification: B. Tech or equivalent qualification in Electronics and Communication Engineering/Electrical and Electronics Engineering/Mechanical Engineering or equivalent with at least one course in Control Systems.</p> <p>Desired Experience: Candidates should have working knowledge in MATLAB.</p> <p>Preferable Experience:- Exposure to the fundamentals of Kinematics</p>	Rs.37,000/- plus HRA	02
		Note: The selected candidate can register for IIST PhD programme subject to fulfilment of eligibility		

		and Dynamics in Multibody dynamical systems.	conditions for PhD admission in IIST. For further information in this regard please refer Sl. No.18 below.		
JRF-02-12/2023	Applications of Fractional Order Calculus to Biomedical Signal Processing	<p>Minimum Qualification: - M.E/M Tech/MS in Signal Processing/Control Systems/Applied Electronics/Applied Electronics and Instrumentation/ Biomedical Instrumentation/Biomedical Engineering/Instrumentation or equivalent areas.</p> <p>Preferable experience/exposure: Preferable knowledge of one or more of the area such as filter design, signal processing algorithms, modelling and exposure to Matlab</p>		Rs.31000/- plus HRA	01

Age limit as on 10.01.2024

For Junior Project Fellow, Senior Project Fellow, Research Assistant and Junior Research Fellow – 35 years.

<u>Category code</u>	<u>Monthly Remuneration</u>
JPF-01-12/2023	Rs.25000/-
JPF-02-12/2023	Rs.28000/-
JPF-03-12/2023	Rs28000/-
SPF-01-12/2023	Rs.25300/-
RA-01-12/2023	Rs.23000/-
JRF-01-12/2023	Rs.37000/- plus HRA for the first two years and Rs.42000/- plus HRA for the third year.
JRF-02-12/2023	Rs.31000/- plus HRA

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 JPF-01-12/2023, JPF-02-12/2023, JPF-03-12/2023, SPF-01-12/2023 & RA-01-12/2023 is 12 months, for JRF-01-12/2023 and JRF-02-12/2023 the tenure is 36 months.** The tenure is extendable on performance and need basis subject to availability of funds.
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 December 21, 2023 to 10th January, 2024
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. JRF/JPF/SPF/ Research Assistant is 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 on-line interview.**
18. **Minimum Qualifications for PhD:**

I Applicants with Master's Degree in Engineering/Technology as their highest qualifying degree

- ME/M.Tech with 60% marks or its equivalent grade in a point scale, if grading system is followed. (55% marks or equivalent CGPA for OBC/EWS/SC/ST/PwD) in the qualifying master's degree.
- Master of Science in Engineering or equivalent from leading foreign Universities with minimum CGPA 8.00/10 or 3.60 /4 or equivalent.

II Applicants with Bachelor's Degree in Engineering/Technology as their highest qualifying degree

- BE/B.Tech with 75% marks or its equivalent grade in a point scale, if grading system is followed. (70% marks or equivalent CGPA for OBC/EWS/SC/ST/PwD) in the Qualifying Bachelor' degree. **They should have a valid GATE score.**

Candidates in the following categories are exempted from the requirement of GATE score: -

- i) BE/B.Tech from Indian Institute of Technology (IIT) /Indian Institute of Space Science and Technology (IIST) with 8.00 CGPA (CGPA of 7.50 for OBC/EWS/SC/ST/PwD) on a scale of 10 or equivalent in the Qualifying Bachelor's degree.

- ii) Dual degree (Bachelors in Engineering and Masters in Science from IITs and Indian Institute of Space Science and Technology) with minimum score in Bachelor's degree as mentioned above
- iii) Applicants who have qualified **UGC-CSIR-NET-JRF/LS or NBHM/JEST** in the relevant disciplines. (JEST rank should be within the first 400).

For M.E/M.Tech./B.E/B.Tech, selection to the PhD programme will be based on **online screening test** followed by an interview. For M.E/M.Tech./B.E/B.Tech with a valid **UGC-CSIR-NET-JRF/LS/NBHM/JEST** selection is through direct interview.

Advt. No.IIST/Academics/01-12/2023 dtd.21.12.2023
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