



Government of India, Department of Space  
 Indian Institute of Space Science and Technology  
 [Declared as Deemed to be University under Sec.3 of the UGC Act 1956]  
 Valiamala PO, Thiruvananthapuram -695 547, Kerala

**Application for Post Doctoral Fellow / Project Staff (Online Application only)**

Indian Institute of Space Science and Technology (IIST) invites application for the following Post Doctoral Fellow and Research / Project Fellow positions to work in the different Research Projects:

Sl. No.	Category No.	Qualification / Skill	Project Title	No. of positions
<b>Post Doctoral Fellow (PDF)</b>				
1	PDF-01/2019	<p>Ph.D degree in Astronomy/astrophysics or equivalent discipline. Ph.D must have been secured within five years of date of submission of the application. Candidates who have submitted their Ph.D thesis and are awaiting appraisal are also eligible to apply.</p> <p><u>Desirable:-</u></p> <ol style="list-style-type: none"> <li>1. Experience in astronomical data analysis. Preference will be given to candidates with experience in analyzing interferometry data.</li> <li>2. Experience in programming languages such as IDL and Python.</li> <li>3. Applicant should have good oral and written communication skills in scientific English.</li> </ol>	Max Planck Partner Group for Galactic Star Formation	01
<b>Junior Research Fellow (JRF)</b>				
2	JRF-06/2019	BS-MS Astronomy / Astrophysics or equivalent areas.	Max Planck Partner Group for Galactic Star Formation	01
3	JRF-07/2019	<p>BE / B.Tech in Engineering Physics, MSc Physics with flare for programming and a keen interest in writing computer programs and simulations, Dual degree in Physics (Integrated BS/MS or dual degree).</p> <p><u>Desirable:-</u></p> <ol style="list-style-type: none"> <li>1. Good programming skill.</li> <li>2. Willing to work in all aspects of modeling / simulation of ionosphere.</li> <li>3. Willing to learn such systems / topics from open resources.</li> <li>4. Willing to travel at short notice to anywhere in India for research work and data collection.</li> </ol>	A study on the effects of Ionospheric variabilities on the usability of NavIC / GAGAN using observations and models.	01

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4	JRF-08/2019	BE / B.Tech in Electronics and Electrical Engineering / Electrical Engineering/ Electronics and Communication Engineering / Applied Electronics and Instrumentation Engineering or equivalent areas. <u>Desirable:-</u> 1. ME / M.Tech in Power electronics or equivalent areas. 2. Experience in designing power electronic systems.	Retarding Potential Analyzer for the observation of Martian Ionosphere.	01
5	JRF-09/2019	BE / B.Tech in Electrical Engineering / Electrical and Electronics Engineering / Electronics and Communication Engineering / Electronics and Instrumentation Engineering / Instrumentation and Control Engineering or equivalent areas.	Advanced Retarding Potential Analyzer for Martian Ionosphere Studies	01
6	JRF-10/2019	M.Sc in Physics / Electronics or BE / B.Tech in Engineering Physics / Electrical and Electronics Engineering or equivalent areas.		01
7	JRF-11/2019	BE/B.Tech in Avionics / Electronics and Communication / Electrical and Electronics or equivalent areas. <u>Desirable:-</u> The candidates should be good with electronic circuit design, multilayer layout design, PCB fabrication and familiar with programming languages C/C++, modeling and analysis software Matlab / Simulink and should have a good academic background.	Mirror Satellite for Autonomous Assembly of Reconfigurable Space Telescope.	01
<b>Senior Project Fellow (SPF)</b>				
8	SPF-05/2019	ME / M.Tech / MS degree in Image Processing / Signal Processing / Computer Vision / Machine Learning / Applied Maths or equivalent areas.	Development and Analysis of Image Fusion Techniques for Satellite Images	01

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<b>Junior Project Fellow (JPF)</b>				
9	JPF-05/2019	BE/B.Tech in Geoinformatics or M.Sc in Geoinformatics / Remote Sensing and Photogrammetry or equivalent areas. <u>Desirable:-</u> 1. Experience in Geophysical parameter extraction / validation. 2. Programming skills in Python/ R 3. Experience in using Open source RS and GIS software.	Geophysical Parameter from Earth Observations Data	01

**Age limit:** 35 years as on August 12, 2019.

**Remuneration per month (Consolidated):**

Category Code	Monthly Remuneration
PDF-01/2019	Rs. 40,000/- + HRA
JRF-06/2019 & JRF-07/2019	Rs. 25,000/- + HRA
JRF-08/2019, 09/2019, 10/2019 & JPF-05/2019	Rs. 20,000/- + HRA
JRF-11/2019 &	Rs. 20,000/-
SPF-05/2019	Rs. 22,000/-

**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 mark sheets and the Degree/ PG certificate at the time of registering the online application.
4. The tenure of the position is for a period of One year or co-terminus with the project whichever is earlier. 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 July 24, 2019 (1600hrs onwards) to August 12, 2019 (upto1700hrs)**.
9. A '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, based on merit.
11. Outstation candidates called for interview will be paid 'to and fro' Second class Railway Fare by the shortest route including reservation / sleeper charges on production of proof of journey such as Railway Tickets / Bus Tickets, etc. If the candidates travel in higher class of accommodation than the one prescribed, only Second class rail fare excluding the reservation charges / sleeper charges will be paid. The applicants are advised to make their own arrangements for their stay at Thiruvananthapuram, at their cost.
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. Research / Project Fellows 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

**Advt. No. IIST/Admn/RMT/07/2019 dated 23.07.2019**