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 Research / Project Fellow (Online Application only)

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

Sl. No.	Category No.	Qualification / Skill		Project Title	No. of positions
		Junior Research Fellow (JRF)			
1	JRF-03/2019	M.Sc in Physics / Astrophysics / Astronomy / Space Science or (ii) B.S / M.S in Physics or equivalent or (iii) M.S in Astronomy & Astrophysics or (iv) B.E/ B.Tech / M.E / M.Tech degree (any branch) with UGC-CSIR National Eligibility Test in Physical Sciences or GATE / JEST score in Physics.	**Note: The selected candidate can register for IIST PhD programme subject to fulfilment of eligibility conditions for PhD admission in IIST. For further information in this regard please refer to** *https://www.iist.ac.in/admissions/phd/regular*	Understanding the Physical Conditions of Baryons Outside of Galaxies in the Low Redshift Universe. (Externally Funded Project)	01
2	JRF-04/2019	M.S / M.Sc in Physics / Electronics / Space Physics / Space Sciences or related areas. Desirable:- Knowledge of vacuum technology, charged particle detector electronics & pulse processing. A written test will be conducted for candidates without GATE / JEST / UGC-CSIR National Eligibility Test **Syllabus for Written Test**		Electron impact secondary electron-ion coincidence spectrometer for investigation of dissociation dynamics of PAHs. (Externally Funded Project)	01
3	JRF-05/2019	M.E / M.Tech / M.S by research or equivalent in Electronics/ Communication / Electrical and Electronics/ Electronics and Communication / Communication Networks / Telecommunication / Signal Processing / Machine Learning / Computer Science/ Control Systems / System Science / Data Analysis or related areas.		Wireless ReLoD – Wireless Reliable, Low Latency Networks for IIoT and Field bus replacement. (Externally Funded Project)	01

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		Master's Degree Engineering / Technology should have been pursued on the basis of qualified GATE score. Desirable:- 1. One year of industry experience. 2. Good demonstrable programming skills in C/C++/Python/Matlab and / or good demonstrable mathematical and analytical skills **Syllabus for Written Test** "Communication" as in the EC GATE 2019 syllabus		
Senior Project Fellow (SPF)				
4	SPF-04/2019	ME / M.Tech in Power Electronics / Industrial Electronics / Control Systems / Electrical Engineering or related areas with Power Electronics as a core course. Desirable:- Experience in building power electronics based systems	Development of Control Schemes for Multi-phase Dual Converter FED Open-end Winding BLDC / Induction Motor Drives	01
Junior Project Fellow (JPF)				
5	JPF-04/2019	BE / B.Tech in Electronics or related areas. Desirable:- 1. Good knowledge in Semiconductor Physics. 2. Experience in 2D materials.	Possibility of Finding Graphene as THZ Detector Materials	01

Age limit: 35 years as on May 06, 2019.

Remuneration per month (Consolidated):

Catogory Code	Monthly Remuneration
JRF-03/2019 to JRF-05/2019	Rs. 25,000/- (Under Revision) + HRA
SPF-04/2019	Rs. 22,000/-
JPF-04/2019	Rs. 20,000/-

General Conditions/ Instructions:

1. Only Indian Nationals need apply.

2. All degrees mentioned above should be in FIRST CLASS. Candidates should posses 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 April 18, 2019 (1600hrs onwards) to May 06, 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

	IMPORTANT DATES	
Sl. No.	**Event**	**Date**
1	Opening of IIST website for online submission of applications	April 18, 2019 - 1600 hrs (Thursday)
2	Closing of IIST website for online submission of applications	May 06, 2019 - 1700 hrs (Monday)
3	Display of shortlisted candidates for Test/Interview	May 16, 2019-1700hrs (Thursday)
4	Date of written screening test (For candidates registering for PhD programme)	May 26, 2019 (Sunday) at 0930 hrs
5	Publishing of written screening test results (For candidates registering for PhD programme)	May 31, 2019 – 1700 hrs (Friday)
6	Interview Dates (For candidates registering for PhD programme)	June 10 & 11 (Monday & Tuesday)
7	Display of Provisionally selected candidates (For candidates registering for PhD programme)	June 14, 2019 - 1700 hrs (Friday)
8	Last Date of remittance of semester fee (For candidates registering for PhD programme)	June 21, 2018 (Friday)
9	Classes begin for Ph.D Programme	July 22, 2019 (Monday)

Advt. No. IIST/Admn/RMT/06/2019 dated 12.04.2019