



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 Project Staff (Online Application only)

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

Sl. No.	Category No.	Qualification / Skill	Project Title	No. of positions
Senior Research Fellow (SRF)				
1	SRF-01/2019	M.Sc in Zoology / Genetics / Entomology / Molecular biology / Biotechnology/ Biosciences or related areas with minimum two years of research experience in handling and culturing of Drosophila melanogaster. <u>Desirable:-</u> Research experience in handling and culturing of Drosophila melanogaster. Candidates should also have knowledge of Drosophila dissections, genetics and molecular Biology (RNA extraction and qRT-PCR). Ph.D candidates (thesis submitted) with molecular biology and microscopy knowledge are preferred.	Spaceflight – induced changes in kidney stone formation in Drosophila melanogaster	01
2	SRF-02/2019	ME / M.Tech in Mechanical / Aerospace / Biomedical / Materials or related areas of Engineering. Basic degree should be in BE / B.Tech in Mechanical / Aerospace / Biomedical / Materials or related areas of Engineering. <u>Desirable:-</u> Candidates with experience in overall mechanical design, specifications and performance for developing products and hardware assemblies are highly preferred.		01

Junior Research Fellow (JRF)					
3	JRF-12/2019	M Tech in Electronics or equivalent. Desirable:- Candidates should have good knowledge in "Semi Conductor Device" <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px auto;">Syllabus for written test</div>	Note: The selected candidate can register for IIST PhD programme subject to fulfilment of eligibility conditions for PhD admission in IIST. Candidates must have done M Tech through GATE in Electronics and Communication. For further information in this regard please refer to https://www.iist.ac.in/admissions/phd/regular	LOC approaches for Separation and Analysis of Exosome Derived Bio-Marker for Cancer Prognostics	01

Senior Project Fellow (SPF)					
4	SPF-06/2019	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-06/2019	M.Sc in Chemistry or related areas.	Development of novel N ₂ O ₄ scrubber system		01
6	JPF-07/2019	BE / B.Tech in Mechanical Engineering or Manufacturing Engineering or related areas.	Mechatronic design of adult sized humanoid robot		01
7	JPF-08/2019	BE / B.Tech in Civil Engineering / Geoinformatics or M.Sc in Remote Sensing / Photogrammetry and Geoinformatics or equivalent areas with experience of a geospatial internship / project. <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 12.11.2019.

Remuneration per month (Consolidated):

Catogory Code	Monthly Remuneration
SRF-01&02/2019	Rs. 35,000/- + HRA
JRF-12/2019	Rs. 31,000/- + HRA
SPF-06/2019	Rs. 22,000/-
JPF-06&07/2019	Rs. 20,000/-
JPF-08/2019	Rs. 20,000/- + 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 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 23.10.2019 (1600hrs onwards) to 12.11.2019 (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. 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.