



**Position available for Junior Research Fellowship**

Applications are invited from highly motivated and eligible candidates for the position of Junior Research Fellow (JRF) in the project entitled “Characterization of bottom side ionosphere for improving accuracies of electron content estimation” under the Startup Research Grant (SRG) scheme of the Science and Engineering Research Board (SERB) of the Department of Science and Technology (DST), Government of India at the Physical Research Laboratory, Ahmedabad.

This project will focus on characterizing the bottom side ionosphere (the ionosphere below the F-layer peak) using observations and empirical models to improve the accuracies in estimating the ionospheric Total Electron Content (TEC) over low latitudes. Data assimilation approaches will be employed in model simulations ingesting ground based observations. These studies have significant importance for estimating range delays in trans-ionospheric communication and navigation applications and space weather research. The candidate will require a good knowledge of Physics and Mathematics. No prior knowledge on ionosphere/space physics is required at the time of application. Post details are given below:

Name of the post	No. of Vacancy	Age as on last date of application	Qualifications/ Experience	Fellowship per month (Consolidated)
Junior Research Fellow (JRF) - SERB-SRG - Project	1 (ONE)	Maximum 26 years	1. M.Sc in Physics/ Space Physics /Atmospheric science 2. CSIR-UGC NET including lectureship or GATE	Rs. 31,000/- + HRA (@24 %) or as per SERB rules

Interested candidates may send a letter of motivation and latest Curriculum Vitae (should include educational qualifications from 10<sup>th</sup> standard, date of birth, details of NET/GATE qualification, research experience if any, internship details etc.) along with scanned copies of all the relevant documents through e-mail (with subject “Application for SERB-SRG-JRF”) to the principal investigator:

Dr. Venkatesh Kavutarapu,  
Space and Atmospheric Sciences Division,  
Physical Research Laboratory,  
Navrangpura, Ahmedabad – 380009  
Email: [venkateshk@prl.res.in](mailto:venkateshk@prl.res.in)

Last date for receipt of applications: **25 November 2023.**

**Terms & Conditions:**

1. The above position is purely temporary and coterminous with the project.
2. Initial appointment is for one year, which is extendable for one more year until the end of project upon successful annual evaluation of the candidate.
3. Only shortlisted candidates will be intimated for online interview.
4. Participation in selection process is subject to possessing relevant original documents substantiating online application submitted by the candidate.