



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL  
इलेक्ट्रॉनिक्स एवं संचार इंजीनियरिंग विभाग, राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल  
P.O. Srinivasnagar, Mangaluru - 575 025, Karnataka State, India

Ref. No.: NITK/EC/2023-24/

Date: 14.03.2024

**Recruitment for Junior/Senior Research Fellow Position**

Applications are invited from motivated and eligible candidates for the position of a Junior/Senior Research Fellow (JRF/SRF) for an R&D project entitled “**Multi-functional Metasurface Design for Amplitude, Polarization and Wave-Front Control for 6G Communication Systems**” sponsored by the Science and Engineering Research Board (SERB), Government of India. The selected candidate will be involved in design and development of reconfigurable metasurfaces for beam-shaping applications for 6G communication systems. The project aims to design and characterize the metasurface with switching elements and a biasing network to reconfigure its reflective, transmissive, and beam-shaping characteristics.

**Duration:** Maximum of 3 years.

**Emolument:** Rs. 37,000 (Consolidated)

**Eligibility:**

**Essential Qualification:**

1. B.E/B.Tech/M.E./M.Tech. or equivalent in relevant branch of Electronics/Electronics & Instrumentation Engineering/ Applied Physics/Optics and Related branches. Fresh graduates, expected to complete the degree by July 2024, can also be eligible to apply.

OR

2. Graduate in Applied Physics/Electrical /Electronics and Photonics science or related area, with GATE qualification or CSIR-UGC NET, including lectureship (Assistant professorship), or any National-level examination conducted by Central Govt.

**Desirable:** Strong background and interest in applied electromagnetics, Microwave engineering, and Antenna design. Proficiency in electromagnetic CAD simulation software.

**Age:** As per the Department of Science and Technology (DST), Government of India norms.

Interested candidates are required to send a detailed CV via e-mail at [krishnakece@nitk.edu.in](mailto:krishnakece@nitk.edu.in) with the subject line “Application for JRF for SERB project”. Please note that your CV should include contact details. Please note that your CV should include contact details (address, mobile phone no., e-mail ID), date of birth, qualifications and experience, etc. The last date for submission of the application is **15<sup>th</sup> April 2024**. Only shortlisted candidates will be intimated by e-mail for the interview.