



## UNIVERSITY OF DELHI SOUTH CAMPUS

### Department of Electronic Science

#### Advertisement for Vacancies in SERB DST Funded Project

Applications are invited from eligible candidates to work as **Junior Research Fellowship (JRF)** under the Science and Engineering Research Board (SERB), Department of Science & Technology (DST), Govt. of India sponsored research project at Department of Electronic Science, University of Delhi, South Campus, New Delhi-110021

Title of project	<b>Study of Multi-mode Microwave Cavity Design for Biomedical Waste Disinfection in ISM band</b>
Type of project	Research project
Funding agency	SERB-DST, Government of India
Principal investigator	Dr. Vikram Kumar, Department of Electronic Science, University of Delhi South Campus
Name and No. of position(s)	Junior Research Fellowship (JRF) – 01 (one)
Fellowship	The candidate will be paid a stipend of Rs. 31,000 + 24% HRA per month.
Tenure (in years and months)	The initial appointment will be for 6 months (purely temporary basis). The contract will be renewable subject to satisfactory performance and project requirements.
Essential qualification(s)	<ul style="list-style-type: none"> <li>• M.Sc. in Electronics/Physics and or M. Tech./MS(R)/M.E./equivalent in Electronics and Communication/Microwave/Instrumentation/Computer Science/Information and Communication with a valid score of National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or National level examinations conducted by Central Government Departments and their Agencies and Institutions.</li> <li>• Having consistently good academic record and a minimum of 60% marks or an equivalent CGPA in the Master's degree.</li> </ul>
Desirable qualification(s)	Ability to design and execute independent research studies. Working knowledge of Microwave Simulation tools (CST Studio or HFSS) for simulating new environments of Microwave absorbing conditions and Cavity Design.

Note:

- Age not more than 35 years. Age relaxation will be provided as per Government of India norms.
- Interested candidates are required to apply by email for the interview. Copy of the CV (having complete educational details and national exams qualified) and copies of all supporting documents as a single PDF file should be sent through email to [vikram@south.du.ac.in](mailto:vikram@south.du.ac.in). The subject line should necessarily mention "SERB JRF \_Applicant Name". Incomplete applications will be rejected.
- Shortlisted candidates will be informed through email along with the date, time, and venue of the interview. Candidates who are already employed should produce **No Objection Certificate** from their employers.
- No TA/DA will be paid for attending the interview.
- Applications complete in all respects accompanied by copies of degree / mark sheets and testimonial must be submitted by email within 21 days from the date of publication of the advertisement.
- For any queries regarding position, please feel free to email the PI.

  
 23/02/2024  
 Dr Vikram Kumar (PI)

**Dr. VIKRAM KUMAR**  
 Principal Investigator  
 SERB-Project (SRG/2023/001663)  
 "Study of Multi-mode Microwave Cavity Design for  
 Biomedical Waste Disinfection in ISM band"  
 Department of Electronics Science  
 UDSC, New Delhi-110021, India