



# **Raj Kumar Goel Institute of Technology**

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## **OFFICE OF THE DIRECTOR**

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Dated: 31/03/2022

### **Recruitment for Junior Research Fellow(JRF)**

Applications are invited for the post of One Junior Research Fellow (JRF) under the Science and Engineering Research Board (SERB), Department of Science and Technology (DST), Govt. of India, sponsored project at Department of Applied Sciences and Humanities (Physics), Raj Kumar Goel Institute of Technology, Ghaziabad, U.P., India

**Duration:** The duration of project is **three years** (2022-2025). The selected candidate will be appointed on purely temporary basis for one year, but is extended up to 3 years based on the performance.

**Project Title:** **High Power Coherent Terahertz Radiation Generation from Short Pulse Laser Interaction with Solids and Nanowires.**

**Emolument:** (Rs. 31,000 + HRA) per month for 1<sup>st</sup> and 2<sup>nd</sup> year and (Rs. 35,000 + HRA) per month for the 3<sup>rd</sup> year.

**Age Limit:** 28 years as on the date of selection, and relaxation as per DST-SERB and Government of India norms.

**Essential Qualifications:** Postgraduate degree with first class in Physics/Applied Physics/ M.Tech in Applied Optics/Optoelectronics/Laser Physics with a valid GATE score. Preference will be given to CSIR/UGC/JRF/ NET qualified candidates. The candidate has knowledge of MATLAB/ MATHEMATICA and other programming languages. \*However non-NET/ non-GATE qualified candidates can also apply.

**Job Description: JRF;** The project envisages exploring the novel schemes of efficient and coherent terahertz generation using high short pulse laser coupling to nonlinear dielectrics, semiconductors, and nanowires and it will be carried out at Raj Kumar Goel Institute of Technology, Ghaziabad, U.P., India

Interested candidates are required to send a detailed CV and contact to **Dr. Pawan Kumar(Principal Investigator)**, Associate Prof., Department of Applied Sciences and Humanities (Physics), Raj Kumar Goel Institute of Technology, Ghaziabad, U.P., India via email: [kpawan.75@gmail.com](mailto:kpawan.75@gmail.com)/ [pk7kufsh@rkgit.edu.in](mailto:pk7kufsh@rkgit.edu.in). Please note that your CV should include contact details (address, mobile phone no., email ID), date of birth, and qualifications. Incomplete applications will be rejected. Last Date for submission of applications is **10 April, 2022**. Only shortlisted candidates will be intimated by email for the online interview. **No TA/DA will be paid for attending the interview.**

  
31/3/2022  
**Dr. Pawan Kumar**  
(Principal Investigator)

  
31/03/22  
**Dr. D. R. Somashekar**  
(Director)