



भारतीय सूचना प्रौद्योगिकी, अभिकल्पन एवं विनिर्माण संस्थान जबलपुर  
Indian Institute of Information Technology, Design and Manufacturing Jabalpur  
Dumna Airport road, Po: Khamariya, Jabalpur, Madhya Pradesh-482005

### Advertisement

Interested candidates are invited for walk-in test/interview for a position of Junior Research Fellow (JRF)/Senior Research Fellow (SRF) to work on a CSIR funded research project titled “**Studies on electronic and optical properties in group III-V-N quaternary semiconductor quantum dots using density functional theory and k dot p method**”. It may be possible for the selected candidate to register for Ph.D. program as per existing Institute rules.

**Project Position:** 01 (JRF/SRF)

**Duration:** The position is purely temporary and renewable each year subject to satisfactory performance until the completion of project.

**Fellowship Amount: JRF:** Rs. 31000/- per month as per CSIR guidelines

**SRF:** Rs. 35000/- per month as per CSIR guidelines

#### Essential Qualifications:

1. **Senior Research Fellow (SRF):** (i) BE/BTech in ECE/relevant discipline or equivalent degree, and at least two years of post-MSc/BE/BTech research experience, as evidenced from published papers in standard refereed journals with GATE Score. (ii) ME/MTech or equivalent degree in ECE/relevant discipline with NET/GATE score. Age limit: Maximum 32 years.

2. **Junior Research Fellow (JRF):** BE/BTech in ECE/relevant discipline with 55% marks or equivalent CGPA and passing of NET/GATE test. Age limit: Maximum 28 years.

Age relaxation for SC/ST/PH/OBC/Women candidates is as per CSIR and Institute rules, as applicable.

**Desirables:** Candidates having knowledge on DFT calculations, MATLAB and Mathematical Modeling of III-V material based Quantum Dot/Quantum Well Systems, will be given preference.

**Date and time of Interview:** 19-02-2021 at 03.00 pm. The Interview will be conducted in Online Mode (preferably ZOOM). The shortlisted candidates would be notified through email about the ZOOM Meeting Room Details.

Candidates willing to attend the interview are required to send their confirmation through email by Monday February 15, 2021 to [dip.samajdar@iiitdmj.ac.in](mailto:dip.samajdar@iiitdmj.ac.in) with their detailed CV.

Principal Investigator:

*D. P. Samajdar*

Dr. Dip Prakash Samajdar

Assistant Professor (ECE),

PDPM-Indian Institute of Information Technology, Design & Manufacturing Jabalpur

Dumna Airport Road, P.O. Khamaria, Jabalpur-482005

Email: [dip.samajdar@iiitdmj.ac.in](mailto:dip.samajdar@iiitdmj.ac.in), Mobile Number: 9477137992