

# **Postdoctoral Fellow position in Computational Nanoelectronics**

Indian Institute of Technology Gandhinagar (IITGN) invites applications for a Postdoctoral Fellow position in Computational Nanoelectronics for a research project funded by Indian Institute of Technology, Gandhinagar.

**Job Description:** The candidate will work on modeling and simulation of emerging two-dimensional materials heterostructure-based memory devices. The candidate will have the opportunity to work with the atomistic simulation approaches which may consist of both *ab-initio* and quantum-transport calculations. The candidate should be able to work independently. Good communication skills, both in scientific writing and presentations are highly desirable.

**Eligibility:** PhD in Electrical Engineering, Semiconductor devices, Computational Nanoelectronics, Physics, Material Sciences, or allied subjects from reputed institute with good scientific publication record. Experience in simulation of nanoscale devices and *ab-initio* (DFT) calculations. Candidates who have submitted their thesis are equally eligible for the position.

**Duration:** The initial appointment is for 1 year and may be extended up to 1 more year based on the performance.

**Remuneration:** 50,000 INR per month plus 10,000 INR HRA

**Application Procedure:** Candidates must send following documents via e-mail to Dr. Tarun Kumar Agarwal ([tagarwal@iitgn.ac.in](mailto:tagarwal@iitgn.ac.in)) with a subject line PDF-2021-IITGN. The documents must be sent as a **single pdf attachment** to the email:

1. Current CV with list of publications, and technical skills
2. Transcripts of course work in undergraduate and post-graduate degrees
3. A summary of previous research/work experience (Maximum: 500 words)
4. A one-page write-up about why you want to take up this postdoc position
5. Names and email addresses of 2 potential referees.

The applications will continue to be screened until the position is filled. The applications received **before 23<sup>rd</sup> August, 2021** will be given priority. Queries may be directed to Dr. Tarun Kumar Agarwal via email ([tagarwal@iitgn.ac.in](mailto:tagarwal@iitgn.ac.in)).