



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT343/2022

Job Title

Sr. Project Technical Assistant

Job Reference Number

50378032

Application End Date

13.01.2023

Type of Employment

Proj. Staff Contract

No. of Position(s)

4

IITB Project Recruitment:

Project title: Nanoelectronics Network for Research and Application (NNetRA)

About the project: NNETRA is an initiative by Ministry of Electronics & Information Technology to push the frontiers of Nanoelectronics through basic research in this field, to engage in Nanoelectronics device and system.

Essential Qualifications & Experience:

BE/BTech in Mechanical/ Electrical/ Electronics

OR

MSc. Physics/ Chemistry

Candidate should have at least 1 year relevant experience

Candidate should be able impart his/her knowledge in performing experiment related to semiconductor or optoelectronics device fabrication/processing in a cleanroom environment.

- Candidate should have knowledge of basics of semiconductor device fabrication processes and tools, including high vacuum/ high temperature system.
- Candidate should have knowledge of electrical/ optical/ material characterization of semiconductor and optoelectronics devices

Desirable qualifications:

- Candidate should know how to operate sophisticated fabrication devices (Rapid thermal annealing, sputtering systems, RCA cleaning system etc.) and also the characterization equipment (Ellipsometer, Profilometer etc.).
- Should be able to analyse the results as well.
- Should perform lab -in charge duties like taking care of the lab cleanliness, discipline, lab members requests and issues.
- Candidate should have knowledge of layout design environment, including AutoCAD software.

Physical Requirements: Must be able to work with hand tools, bend down, reach up and be able to stand up to 4-8 hours.

Job Profile:

Successful candidate(s) is intended to work in the state of the art IIT Bombay Nanofabrication facility (IITBNF). She/he would be responsible for a variety of tasks, including operating machines that

fabricate and test semiconductor and optoelectronic devices in cleanroom environment. Example of responsibility would be to use CVD tools, Lithography tools, other thin film deposition tools, Optical, Electrical and material characterizations tools etc. In general, this job demands detail and uninterrupted attention of the technician/operator for substantial period of working hours. Additionally, She/he would be entrusted duties to maintain the Labs requisite environment.

This job description should not be interpreted to infer that these requirements are the only duties, responsibilities and qualifications for this job. Appointees may be required to follow any additional related instructions, acquire job skills and perform other related work as required.

Pay Details:

Level P-L1: Salary range from Rs.30000 to Rs 42000 + Rs.4000.00/- Out Of Campus Allowance (if applicable) p.m.

General information:

The position is temporary for a period of 1 year and tenable only for the duration of the project. The appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.

Candidates called for interview will be required to attend at his/ her own expenses.

For any queries/clarification please contact: recruit@ircc.iitb.ac.in