



DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY
(Institute of National Importance)
G T Road Bye pass, Jalandhar -144011, Punjab (India)

Advertisement for Junior Research Fellow (JRF)

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

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|----|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | (a). Name of the temporary assignment: (b). Number of Post | Junior Research Fellowship (JRF) 01 |
| 2 | Name of the Research Project | Modeling and analysis of quantum Effects for Sub-10 node nanowire based devices |
| 3 | Name of Principle Investigator | Dr Ashish Raman |
| 4 | Name of the Sponsoring Agency | SERB-DST |
| 5 | Department | Electronics and Communication Engineering |
| 6 | Tenure of the Project | 03 Years |
| 7 | Tenure of the Assignment | Initially for one year. Extendable annually till completion of Project, subject to satisfactory performance and availability of funds released by sponsoring agencies (Purely temporary basis). |
| 8 | Job Description | To perform work assigned and assist the PI in various phases of the research project. |
| 9 | Consolidated monthly Fellowship/Salary | INR 31,000/- per month + HRA, or as per SERB rules |
| 10 | Essential Qualifications and experience | BE/B.Tech (ECE or Relevant Branch) and ME / M.Tech in VLSI / Microelectronics / Nanoelectronics / Electronic System/ ECE and related areas with first division. Candidate must have qualified GATE during his / her academic career. Good knowledge is TCAD/VLSI design tool and project domain is desirable. Additional Terms and conditions as per SERB Guidelines for JRF. |
| 11 | Other Benefits | The selected candidate may be registered for Ph.D. at NIT Jalandhar as per the institute norms. |

How to apply:

Interested candidates are requested to **send their application in the prescribed application format given below along with detailed CV and photocopies of certificates** to Dr. Ashish Raman, Department of Electronics and Communication Engineering, NIT Jalandhar, Mob. No- 9888217273, via e-mail at ramana@nitj.ac.in with subject line "JRF application for SERB Project" **latest by June 04, 2021**. CV should include details of academic grades starting from X standard onwards with details of year of passing, university or college, etc. and also work experience and nature of work if applicable.

Note: The detail of shortlisted candidate for interview is to be provided through email or at Institute website. Candidates are requested to check email/institute website regularly.

Registrar

3. GATE/CSIR/UGC/LS-NET/Others National ExamDetails

| Examination Details | Branch | Year | Valid Up to | Percentile (&Score) | All India Rank |
|----------------------------|---------------|-------------|--------------------|--------------------------------|-----------------------|
| | | | | | |
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4. Professional Experiences (Teaching/Research/Industrial) ifany

| Name of Organization | Designation | Nature of Work | From | To |
|-----------------------------|--------------------|-----------------------|-------------|-----------|
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5. List of Research Publication (ifany):

6. Expertise (How to fit to implement the project):

7. Any other Relevant Information:

DECLARATION

I am willing to work as a Junior Research Fellow in the research project entitled “Modeling and analysis of quantum Effects for Sub-10 nm nanowire based devices”. I undertake to engage myself whole time for research under the guidance of the Principal Investigator of the scheme. I hereby declare that particulars supplied by me and the entries made in this application form are correct to the best of my knowledge and belief. If selected for the position, I promise to abide by the rules and regulations of the Institute and instructions issued by SERB-DST from time to time.

Place :.....

Date:

Signature of theApplicant

List of enclosures: