



INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

Research and Development (R&D)

Administrative Building, IIT Bhubaneswar

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Advt. No. : IITBBS/R&D/RP180/Rec/08/2019-20 Date: 05.12.2019

Applications are invited on prescribed format for the following assignment in a purely time bound research project undertaken in the School of Electrical Sciences of this Institute.

1. Name of the Temporary Assignment : **Junior Research Fellow – 1 Post**
2. Name of the temporary research Project : “Light weight, Reconfigurable Cognitive Radio Platform for M2M and IoT applications”.
3. Name of the Sponsoring Agency : Department of Science and Technology (DST)
4. Consolidated Emolument : **Rs. 31,000/- + HRA @16% per month**
5. Qualification : M.Tech / M.E./ M.S. with specialization in ECE (RF and Microwave Engineering, Signal Processing, Communication, VLSI and Embedded System) and B.Tech/ B.E. in ECE with minimum 75% marks (or 7.0/ 10.0 CGPA) throughout starting from Class X. Valid GATE score is preferable.

(OR)

B.Tech/ B.E. in ECE with two years' experience in RF and Microwave Engineering, Signal Processing, Communication, VLSI and Embedded System with minimum 75% mark (or 7.0/10.0 CGPA) throughout starting from Class X. Valid GATE Score is preferable.

Job Responsibility and Requirement: Candidate is responsible for implementation of signal processing algorithms and imaging hardware. The candidate has to travel and stay in the location of our industry partner at Hyderabad.

Skills:

- RF & Signal Processing basics
- The candidate with experience in MATLAB/ LabVIEW/HDL/Wireless Communication Tools or in basics of circuit design tools and EDA tools will be preferred
- Good critical reasoning and communication skills
- Comprehensive thinking and understanding technical research papers

❖ **There is a possibility for the selected candidate to do Ph.D. at IIT Bhubaneswar.**

6. Period of Engagement : Initially for 1 year with possible extension depending on performance
7. Duration of the project : 3 years

Interested eligible persons may apply through online application system on or before **20th December 2019**. Web link <http://webapps.iitbbs.ac.in/sric-application>.

**Sd/-
Asst. Registrar (R&D)**