



## Advertisement for Project Position at IIT Mandi

Date: June 06, 2017

Applications are invited for the post of Junior Research Fellow (JRF) or project associate for the following project:

**Project Title:** Study and Design of Broad-Band Frequency Selective Surfaces (FSS) structures for various RF and Microwave Applications

**Coordinator:** Dr. Gopi Shrikanth Reddy (School of Computing and Electrical Engg.)

**Email:** gopishrikanth@iitmandi.ac.in

**Funding agency:** Initially School of Computing and Electrical Engineering -IIT Mandi, Finally SERB-DST

**Salary:** 20,000/- Per month

**Duration:** Initially for 6 Months, Extendable for 1 Year depending on candidate's performance and availability of funds

**Essential Qualification:** ME/M.tech/ MS (by Research) or equivalent in (Electrical, Electronics, Electronics -and Communications or related areas) with 70% or 7 CGPA

OR

BE, B.Tech, MSc, with 70% or 7 CGPA and valid Gate score card.

### Desirable:

- Valid Gate Score\* card in EC

\*(this is not mandatory requirement for those who have done their post-graduation (ME/M.tech/ MS (by Research) as mentioned above)

- Good background on EM theory, Solution of Maxwell's Equations, Boundary Conditions, Wave Propagation, Antennas concepts
- Hands-on Matlab, Simulation Software like CST Microwave studio (both time and Frequency Domain). HFSS, FeKO etc.
- Good command over English language and technical writing in English

### Main Responsibilities:

- Analysis and Study of periodic structures which can be metallic or nonmetallic,
- Dispersion analysis of wave incident on periodic medium: Angle of incidence analysis

- Transmission and Reflection calculation.
- Analyzing performance of periodic structure for application of Leaky wave antenna

#### **How to apply:**

Interested and eligible candidates are called for a walk-in interview at IIT Mandi. Requests for video-conference/skype interview may also be considered (please contact the coordinator at the email above).

**Interested candidates should send their Resume (not more than 4 Pages and clearly mention their prior experience if any) to Mail ID: [gopishrikanth@gmail.com](mailto:gopishrikanth@gmail.com) on or before 26<sup>th</sup> June 2017.**

**Any resume send/received after 26<sup>th</sup> June will not be considered and such candidate are requested not to appear for the interviews, as their candidature will not be considered.**

**Date of walk-in interview:** 7<sup>st</sup> July 2017. 10 am.

**Report to:** SCEE conference room, near Stable Complex, IIT Mandi

**Results Declaration:** **Finally selected candidate will be intimated by mail and or phone after completion of all the interview procedure. Candidates are requested not to contact coordinator regarding results after interviews. No communication will be done for not selected candidates.**

**Selected Candidate must give the consent of joining within one week of the intimation of selection. Otherwise candidature will be deemed canceled.**

**Starting Date of tenure:** First week of August (tentative)

#### **Terms and Conditions:**

- The coordinators may conduct a written test to shortlist candidates before the interview. They also have the discretion to restrict the number of candidates to be called for interview to a reasonable limit based on qualifications and experience higher than the minimum prescribed in the announcement.
- The nature of the post is purely temporary (on contract basis).
- The initial appointment will be for a period of 6 months, and can be extended further subject to the performance of the candidate, the project requirements and availability of funds.
- Original documents need to be shown at the time of interview.
- No TA/DA will be paid for any applicant.
- Deserving Project Associate may be considered for Ph.D. program at IIT Mandi in Jan-2018 session if s/he meets all the requirements of Ph.D. selection process as per the institute norms. **Note: Course work done during project tenure can be considered as course work for Ph.D., subjected to achieving necessary grade, credits, and official approval.**