

Recruitment for JRF/Project engineer position under SERB-DST funded Project

Applications are invited from the citizens of India for filling up the following temporary position for the sponsored project sanctioned by **SERB-DST**. The requisite qualification and experience etc. are given below.

Project Title: "Vibration based health monitoring of tensegrity structures incorporating the effects of ambient temperature".

Position: Junior Research Fellow / Project Engineer

Salary: INR 20,000 - 31,000 per month based on qualification and experience (no HRA or any other allowance)

Qualification: BE/B Tech/ME/M Tech/MS in Civil/Mechanical Engineering with strong knowledge in structural mechanics and structural dynamics. Candidates who have done projects on filtering algorithms/ inverse problems/stochastic systems will be preferred. Strong knowledge in coding will be an added advantage.

Number of Posts: **One**

Duration: The initial appointment will be for a period of one year and can be extended up to two years subject to the performance of the candidate and availability of funding.

Broad Area of the project: Vibration based health monitoring of structural systems subjected to thermal stresses.

Tasks:

- Simulation, form finding and stability checks of tensegrity structural systems
- Experiment design and execution for tensegrity health monitoring
- System identification from measured structural responses
- Development of inverse techniques to detect damages in system
- Participate in teaching and guiding students
- Project planning, components procurements, managing, executing and documentation
- Involves national level travel

Investigators: **Dr Subhamoy, IIT Mandi, Himachal Pradesh**

How to apply: Interested and eligible candidate needs to email her/his CV along with any relevant additional information to subhamoy@iitmandi.ac.in. The subject line of the email should be "**DST-ECR: Application for the post of JRF/PE**". Last date of applying through email: May 10, 2019.

Note:

- The investigators have the discretion to restrict the number of candidates to be called for interview on the basis of qualifications and experience.
- Original certificate must be shown at the time of the interview.
- Upon prior request from candidate, skype interview may be allowed.

- No TA/DA will be paid to the applicant
- The nature of the post is purely temporary (on contract basis).
- If the candidate satisfies IIT Mandi criteria for applying PhD/MS, this project supports that as per the institute guidelines subject to availability.
- This project will be good for those who wants to work with sensors, data acquisition and system identification.