



Indian Institute of Technology, Ropar

Dr. Neelkanth Nirmalkar
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Indian Institute of Technology
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Sub: Advert for JRF/SRF and project position (no. of post 01)

For JRF/SRF position: “Design of micro and nanobubble generator”

(1) **Job description:** Applications are invited for a post to carry out experimental and theoretical research work in the field of micro and nanobubbles. This project is part of an DST funded project. This project deals with the design of micro and nanobubble generator for various engineering applications, for instance, cleaning, water treatment, flotation, oil-water separation, sterilization etc. The primary objective is to design and test the nanobubble generator using NTA and DLS.

The ability to work both as part of a team, and independently, coupled with excellent communication, organizational and problem-solving skills are required. The duties/responsibilities of this post are outlined in the ‘Job Description’ document and include developing and driving research objectives, writing up work for presentation and publication, collaborating with industrial partners, and delivering internal/external seminars and presentations. Please provide an **up-to-date CV**, **degree certificates** and a **letter of motivation** combined into a single PDF, and the names and contact details of at least one academic referee. Informal enquiries can be made to Dr. N. Nirmalkar via e-mail: n.nirmalkar@iitrpr.ac.in or Kalyani Agarwal at 2017CHZ0003@iitrpr.ac.in

(2) **Essential qualification:** Master degree in Chemical/Mechanical/Biochemical/bioprocess or biotechnology/ nanotechnology with minimum of 65% in undergraduate and master degree, GATE/NET qualified.

(3) **Salary:** 31,000 INR per month+HRA for JRF & 35,000 INR per month+HRA.

(4) **Duration:** Initially for 6 months but it can be extended up to 3 years depending upon the satisfactory performance after review in 3 months.

(5) **Deadline:** 10/09/2019

TA and DA will not be provided for the interview.

Neelkanth Nirmalkar

Date 14/8/19



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Sub: Advert for project assistant position (no. of post 01)

For Project assistant position: “CFD modelling of multiphase systems”

- (1) **Job description:** Applications are invited for a post of project assistant under CFD modelling of multiphase systems. The candidate will be provided a basic training on CFD modelling. The major task for the candidate to compile the open source CFD packages for complex multiphase and reactive flows. A candidate should have a good credential in undergraduate courses like fluid mechanics, heat transfer and chemical reaction engineering. Additionally, excellent communication, team work, problem solving skills are required. Informal enquiries can be made to Dr. N. Nirmalkar via e-mail: n.nirmalkar@iitrpr.ac.in or Piyush Pratap Singh at 2017CHZ0004@iitrpr.ac.in. Please provide an **up-to-date CV, degree certificates** and a **letter of motivation** combined into a single PDF.
- (2) **Qualification:** B. tech/B.E. in Chemical/Mechanical/Biochemical engineering with minimum 65%.
- (3) **Salary:** 22,000 INR
- (4) **Duration:** Initially for 6 months but it can be extended up to 3 years depending upon the satisfactory performance after review in 3 months.
- (5) **Deadline:** 10/09/19

TA and DA will not be provided for the interview.

Neelkanth Nirmalkar
Date 14/8/19