



OFFICE OF THE DoRD

No. IITGoa/DoRD/04/REC/2023

Date: 23.02.2023

**RECRUITMENT FOR JUNIOR RESEARCH FELLOW WITH OPPORTUNITY
FOR JOINING PhD PROGRAM**

Applications are invited for the position of Junior Research Fellow to work under the project titled “Development of coupled fluid-particle dynamics code for application in continuous air monitoring” in the School of Mechanical Sciences, IIT Goa. The project is sponsored by Board of Research in Nuclear Sciences (BRNS), Department of Atomic Energy (DAE), Government of India.

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| Nature of work | This work is predominantly numerical in nature. The researcher is expected to develop a CFD framework to perform numerical investigation for the transport of aerosol particles in a workplace environment. Experiments may be designed toward the later stage of the project. Prior experience in CFD simulations and code development is desirable. The project will be carried out in collaboration with a research group at Bhabha Atomic Research Centre. <i>The selected research personnel will have the option to simultaneously register as a Ph.D. scholar in IIT Goa</i> |
| No. of Position | One (1) |
| Duration of Appointment | One year, with the option to extend further. |
| Eligibility | <p><u>Essential qualification:</u></p> <p>1. Master’s Degree in Mechanical Engineering or allied branches with 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST).</p> <p style="text-align: center;">OR</p> <p>Bachelor’s degree in Mechanical Engineering or allied branches with 70% marks or CPI 7/10 or equivalent. (65% marks or CPI 6.5/10 or equivalent for SC/ST)</p> <p>2. Qualified GATE SCORE in the relevant streams (Candidates with Bachelor’s degree must have a valid GATE Scorecard)</p> <p><u>Desirable:</u></p> <p>-Experience in CFD, Openfoam, Aerosol Modeling. -Basic understanding of coupled CFD modelling</p> |
| Salary | 31,000/- for first 2 years. 35,000 on 3 rd year. |
| DA | Not to be entitled to DA. |
| HRA | As per funding agency norms. |
| Medical Benefits | As per the Institute norms. |
| Leave entitlements | As per the Institute norms |
| How to apply | Interested candidates can fill the below form. https://forms.gle/97pervh5r6ZKgTeP6 |
| Last Date of application | 16 th March 2023, 05:00 PM |

For any update regarding the last date of submission of application candidates must visit: <https://iitgoa.ac.in/project-position/>

General Instructions:

1. If the number of applications received in response to advertisement is large, the constituted selection committee may restrict the number of candidates to be called for selection to a reasonable limit of desirable qualification and /or on the record of academic performance and/or any other benchmark decided by a committee constituted to screen the applications. No communication will be entertained with candidates who are not called for selection.
2. If the applicants have any questions, they can write to res-staff-rect@iitgoa.ac.in and in the subject they have to mention the Institute project number "2022/EMR/TT/046".
3. Informal inquiries via email may be made with PI: Dr. Thaseem Thajudeen, Assistant Professor, School of Mechanical Sciences : thaseem@iitgoa.ac.in.
4. No TA/DA will be admissible for appearing for the selection process.
5. Selected candidates will have to join in a reasonable time upon receipt of the offer.

**Sd/-
Sr. Superintendent (R&D)**