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आई आई टी हैदराबाद
IIT Hyderabad

Department of Chemical Engineering
Indian Institute of Technology Hyderabad
Kandi, Sangareddy 502285, Telangana

Advertisement for the Position of Junior Research Fellow (JRF)

Date: 11th May 2022

Applications are invited for the position of Junior Research Fellow (JRF) within a project funded by SERB at department of chemical engineering, IIT Hyderabad.

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| Name of the post | Junior Research Fellow (PhD candidate) |
| Sponsoring agency | Science and Engineering Research Board (SERB) |
| Number of vacancies | One (1) |
| Title of research project | Towards large scale modelling of dense gas-solid fluidized beds with non-spherical particles. |
| Job description | To develop constitutive relations for coarse graining of multiphase particle flow model such as CFD-DEM. Project requires a strong background in theoretical and computational fluid mechanics with experience in any programming language. |
| Qualifications | M. Tech. (or BTech with a valid GATE score) from a reputed institute in chemical/mechanical engineering or allied discipline with hands-on research expertise in computational Fluid Dynamic (CFD). Desirables: Experience in any programming language, developing and implementing codes on HPC. Knowledge of any CFD software such as Ansys, OpenFoam, multiphase flow particle solver etc is an advantage. Exceptional candidate with B-Tech degree and desired expertise are also encouraged to apply. |
| Age limit | 35 years (can be relaxed based on applicant's experience and provisions) |
| Appointment period | 2 years (extendable based on performance and availability of funds). |
| Pay | As per Government of India and SERB norms |
| Application procedure/ How to apply | Interested candidate may please e-mail their curriculum vitae and cover letter to Dr. Vikrant (vikrant@che.iith.ac.in) with subject line as JRF-SERB application. Shortlisted candidates will be contacted via email for further assessment. |
| Last date of receiving applications | 10 th June 2022 |

Additional information: For more information about the research within our group please visit <https://vvikrant.wordpress.com/> or contact Dr. Vikrant through email: vikrant@che.iith.ac.in

Project PI:

Dr. Vikrant
Assistant Professor
Department of Chemical Engineering
Indian Institute of Technology, Hyderabad
Kandi, Sangareddy, Telangana 502285