
Date of Advertisement: 31th March 2021

Subject: Advertisement for the post of Senior Project Associate on a DST SERB funded project

Applications are invited from candidates with excellent academic credentials for the position of Senior Project Associate (Postdoctoral Scholar) in a DST NSM sponsored research project titled, “*Petascale simulations of large wind farms sited on complex heterogeneous terrain*” in the Department of Mechanical and Aerospace Engineering at IIT Hyderabad.

Project investigators	Principal investigator: Dr. Niranjan Ghaisas, IIT Hyderabad Co-Investigator: Dr. Harish Dixit, IIT Hyderabad
Position	Senior/Principal Project Associate (one vacancy)
Essential criteria for applicants	<ul style="list-style-type: none"> • Ph. D. in Mechanical Engineering or allied areas with a focus on numerical simulations. • Candidates who are awaiting their defense (with thesis submission completed or imminent within one month from the date of application) may also apply. Such a candidate, if selected, will be made a provisional offer and will need to produce a letter stating that they have completed all conditions for their doctoral degree other than the final defense. • Experience and expertise in one or more among fluid dynamics, turbulence, computational physics, and parallel computing. • Experience and expertise in (a) C/C++/Fortran (one or more) programming; (b) parallel programming and high-performance computing; (c) conducting large-scale computations and postprocessing large datasets
Desirable criteria for applicants	<ul style="list-style-type: none"> • Strong motivation to work in a serious academic environment on a computational project that also offers scope for theory development. • Comfort with the Linux environment; experience integrating and using parallel numerical libraries; use of Python or scripting languages for postprocessing.
Period of appointment	Initial appointment will be made for a period of 11 months, and based on performance, the appointment will be extended. The full duration of the project is approximately 2 years.
Remuneration	As per DST Emolument Scheme July 2020 (http://www.serc.iisc.ac.in/serc_web/wp-content/uploads/2020/11/OMScientificTechnicalManpowerRevisedGuidelines.pdf)
How to apply	Please send your CV, copies of Ph. D., Masters transcripts and reprint of 1 best paper to nghaisas@mae.iith.ac.in and cc to hdixit@mae.iith.ac.in with e-mail subject ‘ Postdoc DST NSM ’ on or before 30th April 2021 .
Selection procedure	Candidates will be short-listed based on their academic record/achievements, and only short-listed candidates will be intimated via e-mail for an online interview with a selection committee in early May 2021 . Please note that merely meeting the essential criteria does not guarantee a call for an interview. The PIs reserve the right to leave the position vacant if no suitable candidate is found.