



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్  
भारतीय प्रौद्योगिकी संस्थान हैदराबाद  
Indian Institute of Technology Hyderabad

**Date of Advertisement: 3 April 2023**

**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.

<b>Project investigators</b>	Principal investigator: Dr. Niranjana Ghaisas, IIT Hyderabad Co-Investigator: Dr. Harish Dixit, IIT Hyderabad
<b>Position</b>	Senior/Principal Project Associate (one vacancy)
<b>Essential criteria for applicants</b>	<ul style="list-style-type: none"><li>• Ph. D. in Mechanical Engineering or allied areas with a focus on numerical simulations.</li><li>• Experience and expertise in computational fluid dynamics, immersed boundary methods, turbulence modelling, and parallel computing are essential.</li><li>• Experience in (a) Fortran programming; (b) distributed-memory high-performance computing; (c) large-eddy simulations; (d) conducting large-scale computations and postprocessing large datasets</li><li>• Strong motivation to work in a serious academic environment on a computational project that also offers scope for theory development.</li><li>• Comfort with the Linux environment; experience integrating and using parallel numerical libraries; use of Python or scripting languages for postprocessing.</li></ul>
<b>Duration</b>	The appointment will be for a period of 6 months, without the possibility of further extension.
<b>Remuneration</b>	As per DST Emolument Scheme July 2020 ( <a href="http://www.serc.iisc.ac.in/serc_web/wp-content/uploads/2020/11/OMScientificTechnicalManpowerRevisedGuidelines.pdf">http://www.serc.iisc.ac.in/serc_web/wp-content/uploads/2020/11/OMScientificTechnicalManpowerRevisedGuidelines.pdf</a> )
<b>Selection procedure</b>	Walk-in interviews will be conducted by a selection committee on <b>12 April 2023 at 11.00 am</b> in Room No. C-LH-1. Candidates desiring to appear for the interview are encouraged (but not required) to send their application material (details below) by email at least one day in advance to <a href="mailto:nghaisas@mae.iith.ac.in">nghaisas@mae.iith.ac.in</a> . Please note that no TA/DA or accommodation will be paid or arranged for attending the interview. The selection committee reserves the right to leave the position vacant if no suitable candidate is found.
<b>Application Material</b>	Please send your (1) CV, (2) copies of Ph. D. and Masters transcripts, (3) reprint of up to two best papers and (4) a half-page write-up on your research interests by email with the “Postdoc-NSM” in the subject title. Please bring one set of hard copies of the above documents, your original Ph. D. and Masters certificates (only for verification) and one valid photo ID at the time of the interview.