



REQUIRES

SENIOR RESEARCH FELLOW- (TEMPORARY)

For NSM Funded Project entitled "Development of HPC tools for CFD-based patient specific management of Cerebral Aneurysms" (P-5424)

1. Qualification & Experience : PhD (Engineering Sciences/Computational Fluid dynamics, bio-fluids) using
(Essential) CFD solvers (OPENFOAM/Commercial solvers).
OR
M.Tech (Mechanical/Biomedical/Chemical/ Instrumentation /Electronics/
Computer Science) with some research experience (using
OPENFOAM/Commercial solvers is desirable)*
OR
B.Tech (Mechanical/Biomedical/Chemical/ Instrumentation /Electronics/
Computer Science) with significant experience in High Performance
Computing Tools such as MPI/OPENMP/CUDA is desirable*
***GATE/NET with 2 years experience is mandatory.**
2. Qualification & Experience : Experience in CFD, FSI in biological systems, fluid/blood flow simulations.
(Desirable) Experience using OpenFOAM and code parallelization if desirable GATE
qualified candidates have opportunity to register for M.S. (by research) /
Ph.D. through Project mode (IITM).
3. Maximum age limit as on : **35 Years** (Meritorious candidates with experience will be considered with
31.10.2021 age relaxation.
4. Number of vacancies : **1 (SC)****
5. Consolidated remuneration : **₹35,000 + 16% HRA** per month
6. Tenure of Appointment : One year or till completion of the project, whichever is earlier.
7. Brief job description : 1) Data acquisition and image processing of patient-specific aneurysm models.
2) Performing Computational fluid dynamics simulations in OPENFOAM.
3) Code parallelization using MPI.
4) Performing test runs on NSM facilities and procuring and analysing the
scientific data using suitable visualization tools.
8. Nature of appointment : **Temporary** (Purely on contract)

****In the absence of suitable SC candidates, ST candidates will be considered and in absence of suitable ST candidates, UR candidates will be considered.** Candidates belonging to SC/ST category should submit valid Caste Certificate issued by a Revenue Officer not below the rank of a Tahsildhar.

Interested candidates may submit the scanned copy of application in the prescribed format with self attested copies of certificates to prove their age, qualifications, experience, caste etc. by email to projectcell@sctimst.ac.in on or before 06/10/2021. The applications will be screened and the eligible candidates will be informed the details of Online/ Personal Interview through email/phone. Candidates should provide proper contact email ID and mobile number.

In case 2 years experienced candidates are not available for selection, lesser experienced candidates will be considered for selection at a lower remuneration of Rs.31000/- +16% HRA pm as Junior Research Fellow.

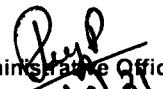
R&P Cell/47/5424/SCTIMST/2021 dated 22.09.2021

Notice Board (Hospital Wing/AMC/BMT Wing)/Website

सूचना पट्ट अस्पताल/ए एम सी एच एस एस/बी एम टी/वेबसाइट

Sd/-
DIRECTOR

Admin. In-charge Officer


23/9/21