



श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेंद्रम
SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY, TRIVANDRUM
THIRUVANANTHAPURAM - 695 011, KERALA, INDIA

(एक राष्ट्रीय महत्त्व का संस्थान, विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार)
(An Institution of National Importance, Department of Science and Technology, Government of India)

www.sctimst.ac.in R&P Cell: 0471-2524437/637, projectcell@sctimst.ac.in

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) (Essential) using (OPENFOAM/Commercial solvers).
OR
M.Tech (Engineering Sciences/Computational Fluid dynamics, bio-fluids) research experience using (OPENFOAM/Commercial solvers)*
OR
B.Tech (Mechanical/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 (Desirable) simulations. Experience using OpenFOAM and code parallelization is desirable. Qualified candidates have opportunity to register for M.S. (by research)/Ph.D. through Project mode (at IIT Madras), if they satisfy selection norms).
3. Maximum age limit as on : 35 Years (Meritorious candidates with experience will be considered 31.01.2022 with age relaxation.
4. Number of vacancies : 1 (UR)
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/Commercial solvers.
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)

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 11.01.2022. 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 GATE/NET with 2 years experienced candidates are not available for selection, lesser experienced candidates will be considered for selection at a lower remuneration.

R&P Cell/67/5424/SCTIMST/2021 dated 27.12.2021

Notice Board: AMCHSS/Hospital Wing/BMT Wing /Website

Sd/-
DIRECTOR


28/12/21
ADMINISTRATIVE OFFICER