



श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेन्द्रम
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)

Research & Publication Cell: 0471-2524437/637, Email: projectcell@sctimst.ac.in, Website: www.sctimst.ac.in

Advt. No. R&P Cell/62/5424/SCTIMST/2023

Dated: 22.12.2023

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)

Qualification & Experience (Essential) : PhD (Engineering Sciences/ Computational Fluid dynamics, bio-fluids) 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 GATE (significant experience in High Performance Computing Tools such as MPI/ OPENMP/ CUDA is desirable). *
***GATE/NET/Equivalent with 2 years experience is mandatory.**

Qualification & Experience (Desirable) : • Experience in CFD, FSI in biological systems, fluid/ blood flow simulations. Experience using Open FOAM 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 selection norms are satisfied.

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 analyzing the scientific data using suitable visualization tools.

Monthly emoluments : ₹ 35,000/- + 16 % HRA per month.

Age limit as on 01.01.2024 : 35 Years**

Number of vacancies : Existing - 1 (UR)

Nature / Tenure of appointment : Temporary (Purely on contract), for a period of 5 months or till completion of the project, whichever is earlier.

Mode of Selection : Online interview

Interested candidates may submit application as scanned copy in the prescribed format with self attested copies of certificates to prove their age, qualifications, experience etc. by email to projectcell@sctimst.ac.in on or before **05.01.2024**. The applications will be screened and the eligible candidates will be informed the details of **Online Interview** through email/phone. Candidates should provide proper contact email ID and mobile number.

****Relaxation in age will be given for meritorious candidates with more experience in relevant field.**

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, as per the rules

Sd/-
DIRECTOR


22/12/23

Administrative Officer

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