



श्री चित्रा तिरुनाल आयुविज्ञान 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](mailto:projectcell@sctimst.ac.in), Website: [www.sctimst.ac.in](http://www.sctimst.ac.in)

**REQUIRES**  
**RESEARCH ASSOCIATE II (TEMPORARY)**

For DST Funded Project entitled "Computational Fluid Dynamics based tools to the aid of clinical decision making in the management of intracranial aneurysms." (P-5436)

1. Qualification & Experience : PhD (Engineering Sciences, Computational Fluid dynamics, bio-fluids) using CFD solvers (OPENFOAM/ Commercial solvers) during research, teaching and design and development. **OR**  
ME/ M.Tech / MS by Research (Mechanical/ Biomedical/ Applied Mechanics/ Engineering Design/ Chemical/ Instrumentation/ Electronics/ Computer Science/ Civil) and having **FIVE** years research, teaching and design and development experience after ME/ MTech/ MS by Research with atleast one research paper in Science Citation Indexed (SCI) Journal.  
ME/ M.Tech candidates have opportunity to register for PhD through Project mode at IIT Madras, subject to Institute rules.
2. Qualification & Experience : • Experience in CFD, FSI in biological systems, fluid/ blood flow simulations.  
(Desirable) • Experience using ANSYS/ COMSOL Multiphysics/ Open FOAM and code parallelization  
• Experience in big data, machine- learning and artificial intelligence.
3. Maximum age limit as on : 40 Years  
01.08.2023
4. Number of vacancies : 1 OBC (backlog)\*
5. Consolidated remuneration : Rs. 49000/- + 16 % HRA per month.
6. Tenure of Appointment : One Year (Extendable up to 21.10.2024) or completion of project, whichever is earlier
7. Brief job description : 1. Data acquisition and image processing of patient-specific aneurysm models.  
2. Clinical and Radiological data acquisition, compilation and analysis.  
3. Performing Computational fluid dynamics simulations in ANSYS/ COMSOL Multiphysics/ OPENFOAM.  
4. Code parallelization.  
5. Processing and analysing the scientific data using suitable visualization tools/ software.
8. Nature of appointment : Temporary (Purely on contract)
9. 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](mailto:projectcell@sctimst.ac.in) on or before **21.08.2023**. 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.

*\*In the absence of eligible OBC candidates, UR will be considered.*

*In the absence of candidates with 5 years experience, candidates having 3 years experience will be considered as Research Associate-I at a lower remuneration of Rs.47000/- + 16% HRA. Further, in the absence of candidates with 3 years experience and research paper, candidates having 2 years experience and GATE/NET or equivalent qualification, will be considered as SRF with lower remuneration of Rs.35000/- + 16% HRA.*

*Non Creamy Layer Certificate for OBC should be valid and in the prescribed format applicable for employment in Central Government Institutions, issued by a Revenue Officer not below the rank of a Tahsildar.*

R&P Cell/38/5436/SCTIMST/2023 dated 05.08.2023.

Sd/-  
DIRECTOR

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

Administrative Officer