



श्री चित्रा तिरुनाल आयुवज्ञान आर प्राचागका सस्थान, त्रिवद्रम
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/09/5496/SCTIMST/2025

Dated: 20/03/2025

REQUIRES
RESEARCH ASSOCIATE II (TEMPORARY)

For ANRF Funded Project entitled "Prediction of stroke in children and adults using radiological and CFD simulation with clinical evaluation." (P-5496)

Qualification & Experience : PhD (Engineering Sciences, Computational Fluid Dynamics, Bio-fluids) using
(Essential) CFD solvers (OPENFOAM/ Commercial solvers) during research, teaching and design and development with **Two** years experience in the relevant area after PhD.
Or
ME/ M.Tech/ MS by research (Mechanical/ Manufacturing/ Electrical/ Biomedical/ Applied Mechanics/ Engineering Design/ Chemical/ Instrumentation/ Electronics/ Computer Science/ Civil) and having **Five** years research, teaching and design and development experience after ME/ M.Tech/ MS.

M.Tech candidates have opportunity to register for Ph.D through project mode at IIT Madras, subject to Institute rules.

Qualification & Experience : Experience in CFD, FSI in biological systems, fluid/blood flow simulations.
(Desirable) Experience using ANSYS/ COMSOL Multiphysics/ OpenFOAM and code parallelization.
Experience in big data, machine-learning and artificial intelligence.

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.

Monthly emoluments : ₹ 61,000/- + 16 % HRA per month

Age limit as on 01.04.2025 : 40 Years

Number of vacancies : Existing - 1 (UR)

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

Last date for applying ONLINE : 03/04/2025 05:00 PM

In the absence of candidates with sufficient experience, candidates with either 'PhD' or 'M.Tech with Three years experience' will be considered as Research Associate-I at a lower remuneration of Rs.58000/- + 16% HRA as per rules.

Eligible candidates are required to apply ONLINE through Institute website (Link given below) and upload scanned copy of certificates to prove **age, qualification and experience**.

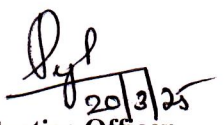
The applications will be screened and eligible candidates will be called for the Online Interview. **Intimation regarding the schedule of ONLINE interview will be send to their email id provided in the online application form.** Experience wherever prescribed means experience gained AFTER acquiring the prescribed essential qualification.

Sd/-
DIRECTOR



ONLINE Application Link: (<https://www.sctimst.ac.in/Recruitment/>)

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


20/3/25
Administrative Officer