



**APPLICATIONS INVITED FOR ONLINE INTERVIEW TO THE POST OF
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 (Essential) : 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 (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 with atleast one research paper in Science Citation Indexed (SCI) Journal.
- M.Tech candidates have opportunity to register for PhD through Project mode at IIT Madras, subject to Institute rules.
2. Qualification & Experience (Desirable) : • Experience in CFD, FSI in biological systems, fluid/ blood flow simulations.
• 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 01.05.2023 : 40 Years
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 on or before 06.05.2023. 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 five years experience, candidates with lower experience (minimum 3 years) will be considered as Research Associate-I at a lower remuneration of Rs.47000/- + 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/20/5436/SCTIMST/2023 dated 17.04.2023

Sd-
DIRECTOR

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


Administrative Officer