



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) and having 2 years of research, teaching and design and development experience after PhD.
(Essential)
OR
ME/M.Tech/MS by research (Mechanical/Biomedical/Applied Mechanics/Engineering Design/Chemical/ Instrumentation/Electronics/Computer Science/Civil) and having 5 years of research, teaching and design and development experience after ME/MTech
At least one research publication in Science Citation Indexed (SCI) journal.
Mtech 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
31.12.2021
4. Number of vacancies : 1 (UR)
5. Consolidated remuneration : ₹49,000 + 16%HRA per month
6. Tenure of Appointment : One year or till completion of the project, whichever is earlier.
7. Brief job description : 1)Clinical and Radiological data acquisition, compilation and analysis.
2)Data acquisition and image processing of patient-specific aneurysm models.
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)

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 etc. by email to projectcell@sctimst.ac.in on or before 15.12.2021. 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 case experienced candidates are not available for selection, lesser experienced candidates will be considered for selection at a lower remuneration.

R&P Cell/60/5436/SCTIMST/2021 dated 01.12.2021

Sd/-
DIRECTOR

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

सूचना पट्ट - अस्पताल/ए एम सी एच एस एस/बी एम टी /वेबसाइट


Administrative Officer
2/12/21