

Advertisement for the post of JRF in the Department of Civil Engineering, IIT Hyderabad

05 February 2025

Applications are invited from candidates with *good academic background* and *excellent mathematical skills* for the *research project* entitled, ‘*Modeling Contaminant Transport through Porous Membranes used for Water Filtration*’ in a purely time-bound manner undertaken in the Department of Civil Engineering, IIT Hyderabad.

This is a rolling advertisement with no last date for application. Applications will be invited till suitable candidate is found. Details are as follows:

Name of the post	Junior Research Fellow (JRF)
Number of vacancies	1
Title of the research project	Modeling Contaminant Transport through Porous Membranes used for Water Filtration
Description of the job	Developing mathematical models to simulate fluid flow and contaminant transport through different types of membranes, including ultrafiltration, nanofiltration, and reverse osmosis.
Sponsoring agency	Department of Science and Technology
Appointment period	3 months, extendable to 6 months (renewal will be done every three months subject to satisfactory performance and continued funding availability) There is a possibility to register for the PhD program, depending on the performance of the candidate
Remuneration	INR 31,000 per month + HRA as per GOI norms
Essential qualifications	First-class Bachelor’s degree (B.Tech/B.E.) in Civil /Water Resources /Chemical/Mechanical Engineering/ allied areas from a recognized university AND First-class Master's degree (M.Tech/ M.E.) in Hydraulics / Hydrology / Water Resources / Environmental/ Hydrogeology/Chemical/Mechanical Engineering/allied areas from a recognized university
Desirable qualifications	<ul style="list-style-type: none"> ➤ Strong mathematical, analytical, and programming skills ➤ Previous experience in modeling and simulation, programming, flow and transport through porous media is highly desirable
Age limit	35 years

- Eligible applicants should send the following documents via email to seetha@ce.iith.ac.in with the subject of email as “**JRF DST**”:
 1. Latest CV with photograph
 2. Scanned copy of degree certificates and grade sheets/ transcripts for both BTech and MTech
 3. Proof of date of birth
 4. Statement of Purpose
- Candidates will be shortlisted for an interview based on merit and need of the project, and will be informed via email.
- Shortlisted candidates will be called for an online interview.
- The selected candidate is expected to join immediately.

For any queries, please contact the PI of the project:

Dr. Seetha N.

Associate Professor

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Telangana

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