Research Scholarships / Fellowships

Applications are invited from relevant specializations of M. Tech and PhD scholars of COEP Tech in the Department of Instrumentation and Control, COEP Tech for the project received from Tata Technologies for "Research and Innovation Centre for water research"

Please apply online as mentioned on following link and attach necessary document on or before May 24, 2026.

https://forms.gle/K51HurGbA7nk2dvG9

Also, E-mail the soft copy of resume to umc.instru@coeptech.ac.in on or before May 24, 2026.

The University reserves the right not to fill the above scholarships / fellowships advertised and to reject any or all the applications without assigning any reason.

Project Brief

Water is our most precious natural resource and something which we don't have an unlimited amount of. Approximately 49 billion Liters of water is wasted in India every year. And it's projected that by 2040, humans will have to grapple with acute angel water shortage if we don't do something about it now.

In the face of such crises, turning to new-age smart technology is our only hope. Sure, we can collectively, as a people, adopt economic water usage practices. But that's too complex to establish, monitor, and control. What we can do is build sustainability within the core infrastructure.

With the advent of smart water meter in India, we are moving towards a more sustainable utilization of water through better monitoring, conservation, and management.

While offering Smart water Meter In India, It is also important to crosscheck it's accuracy at the time of design / deploying on the field at regular intervals. At present only few government facilities are available in India such as FCRI (Fluid Control Research Institute, Pallakad) , CWPRS Pune (Central Water Power Research Station Pune)

Majority of water connection size falls under 15 mm to 25 mm .It is felt essential to facilitate Indian entrepreneurs/manufacturers to have automated water meter test ring with high precession with following minimum Features.

While pursuing the dream of make in India we are committed to design, develop, and test new sensors and allied embedded systems for new, robust flow sensors in general and water in particular.

Objectives:

1. Design and development of test rig for flow meters
2. Creation of facility for Test and Measurement
3. Indigenous development of water flow meters
4. Reduction in Non Revenue water to 30 % currently it is 40 %
5. Analysis of water distribution systems in Pune City

Eligibility:

PhD students –
The students who are admitted in the in Year 2024 / 2025

M. Tech students –
1. The students who are admitted in the Academic Year 2025-26
2. Relevant M. Tech Specializations

Name of the post	Research Scholar
No. of post	M. Tech students: 01 or more positions PhD Students: 03 positions
Name of project	Research and Innovation Centre for water Research
Funding agency	CSR Funding received from Tata Technologies
Consolidated emoluments	Rs. 20,000/- per month for M. Tech student and Rs. 30,000/- per month for PhD student
Minimum qualification	B. E. / B Tech. (Instrumentation/ Electronics/Industrial Electronics /Electronics & Instrumentation/ Electronics & Telecommunication / Computer)

Preference	a) Background in Instrumentation and Control, Automation, Embedded System, Internet of Things (IoT), SCADA, PLC, Water flow meters, Meters, Calibration of Instrumentation Systems, Water pollution aspects, etc.. b) Proficiency in PCB design Software, Embedded System - Hardware and Software, System Integration, Automation Software
Job requirement	The job involves – Design and development of test rig for flow meters, Creation of facility for Test and Measurement, Indigenous development of water flow meters, Reduction in Non Revenue water to 30 % currently it is 40 %, Analysis of water distribution systems in Pune City, Development of active decision support system, Development of advanced monitoring algorithms, Development of interfaces for sending data on cloud (IoT) and further data analytics, Regulatory Compliance or relevant experience
Tenure	The position is purely temporary and is for a period of maximum 12 months for M. Tech scholars / students and for maximum of 12 months for PhD scholars OR co-terminus with the project, whichever is earlier
Last date of application	24th May 2026
Date of Selection Process	May 2026 (Date will be communicated by email)

Applicants should send the resume by email (convert into PDF Format) addressed to umc.instru@coeptech.ac.in, on or before 24 May 2026.

Please mention the name of the Post in the subject line.

- The list of the shortlisted candidates for selection process with details of date, time and venue will be put up on the university website under this advertisement and candidates will be informed by e-mail only.

- The print out of the resume sent by email the applicant along with recent passport size photograph and photocopies of relevant certificates and other testimonials in support of age, qualification, experience etc.
- Applicant must bring all the original certificates at the time of selection process for the purpose of verification, along with one set of photocopies.

General Information / details about the scholarship:

1. The appointed person shall have no claim of appointment / absorption in Funding Agency or in COEP Technological University Pune.
2. Appointment of the applicant will be governed by the terms and conditions of the funding agency and COEP Technology University Pune particularly applicable to the said project
3. The qualification prescribed should have been obtained from recognized Universities / Institutions.
4. The prescribed educational qualifications are the bare minimum and mere possession of same does not entitled candidates to be called for interview. Where number of applications received in response to this announcement is large, it will not be convenient or possible to interview all the candidates. Based on the recommendations of the Screening Committee, the Project Investigator may restrict the number of candidates to be called for the interview to a reasonable limit after taking into consideration qualifications and experience over and above the minimum prescribed in the advertisement. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field at the time of applying.
5. No TA/DA will be admissible for appearing for the interview.
6. Selected candidates will have to join duty immediately on receipt of the offer.
7. No interim enquiries / correspondence / communication of any sort will be entertained in the matter.
8. Canvassing in any form and / or bringing any influence, political, or otherwise, will be treated as a disqualification for the post applied for

Selected candidates will be invited for interview. The date of interview will be intimated to the candidate through email. The university reserves the right not to award scholarship / fellowship announced and to reject any or all the applications without assigning any reason.