DEPARTMENT OF CIVIL ENGINEERING
COLLEGE OF ENGINEERING TRIVANDRUM

GIS Application for Consumer Survey, Mapping and Hydraulic Modelling for Water Networks (WS/B12)

CPHEEO sponsored Refresher Course

23rd to 25th November 2026



Organised by: Environmental Engineering Division, Department of Civil Engineering, College of Engineering Trivandrum, Thiruvananthapuram – 695016

About the Organising Institute: College of Engineering Trivandrum, established in 1939, has the unique status of being the premier engineering institute in the state of Kerala. It comprises eight full-fledged departments, offering nine undergraduate programmes, 29 post graduate programmes, MBA, MCA, and doctoral programmes under KTU. In the 2025 NIRF Rankings, the college is placed in the 101–150 band in the Engineering category and ranked 15th in the Architecture category.

College of Engineering Trivandrum is enlisted as an empanelled institution by CPHEEO for conducting Refresher Courses under the PHE Sector Development Scheme

About the Department: The Department of Civil Engineering was established along with the inception of College of Engineering Trivandrum in 1939. Department has achieved manifold progress in various domains over the years and has acquired a legacy of its own. The Department offers undergraduate programme in Civil Engineering and six post graduate programmes under APJ Abdul Kalam Technological University. The department plays an active role in consultancy, research, testing, certification and continuing education programmes in Civil Engineering discipline.

Environmental Engineering Division: M. Tech course in Environmental Engineering was established in 1976. The course has interdisciplinary nature with students from various Engineering disciplines. The division offers Ph. D programme and industry-linked sponsored research, training and capacity building activities.

About the Refresher Course: The course is designed to upgrade technical knowledge of professionals in the Public Health Engineering (PHE) sector. The course aims to equip the staff involved in water supply operations to build confidence in collecting reliable consumer and asset data, translating field observations into GIS maps, and to understand how the mapped water networks support hydraulic modelling and day-to-day operations.

Resource Persons: The sessions will be handled by eminent persons from reputed institutes and industry, from the relevant area.

Eligibility: This is a Technical & Mid-Level Training Course (for Supervisors, JEs, AEEs, and Mid-Level Officers). Field technicians, supervisors, and maintenance staff involved in water supply operations are eligible to attend the course.

Attendance Requirement: Participants shall attend full course, including classroom sessions, practical exercise and group discussions. Attendance will be recorded on a daily basis. Absence during course duration fully/ partially render the participant ineligible for appearing in the final assessment and for the award of certification.

How to apply: The number of participants is limited to 25. Selection will be on first come first serve basis. The Nominating Authority ie., State Public Health Engineering Department (PHED), Urban Local Body (ULB), Jal / Sewerage Board, Development Authority, or any other concerned Government Department shall nominate in-service personals based on educational qualification, professional experience, and domain relevance and communicate the same to CPHEEO. Professionals from other government departments and private sector can register for the course by direct nomination by submitting the registration form as per the brochure to the coordinators of the course.

Course Fee & TA/DA: The Nominating Authority shall bear the travel allowance and daily allowance of nominated persons as per applicable service rules. There is no fee for participants from Government institutions. The participants from private sector will be charged Rs. 2000/- as course fee.

Course Schedule: The course is scheduled from 9.30 am to 5.00 pm, covering theory and hands-on sessions

Important Dates:
Course duration: 23rd to 25th November 2026; **Last date to apply: 5th November 2026**

Nodal Officer: Dr. Swarnalatha K., Professor, Department of Civil Engineering.
Email: swarnalatha@cet.ac.in; Phone: 9495629708

Course coordinators:
Dr. Sumi S., Assistant Professor, Department of Civil Engineering.
E-mail: sumis@cet.ac.in; Phone: 9497268717
Prof. Lisha Basheer, Assistant Professor, Department of Civil Engineering.
E-mail: lishabasheer@cet.ac.in; Phone: 9497368176

Upcoming Courses (2026-2027)

Course Code	Title of the Training Course	Target Group
WS/C33	Digital Transformation & Smart Water Management	Group A Officers, EEs, CEs, Urban Managers and Policy makers etc.
UWM/C19	Urban Wastewater Management and Nature Based Solutions—Integration of Wetlands and Green Infrastructure	Group A Officers, EEs, CEs, Urban Managers and Policy makers focusing especially on urban and wastewater management.
UWM/B13	Nature Based Sewage Treatment Technologies and their Application in Various Conditions Including for Water Bodies Rejuvenation	Group B Officers, AEs and AEE's, Urban planners etc. focusing especially on wastewater management.
SWD/B5	Design of Urban Drainage System with QGIS and SWMM	Group B Officers, AEs and AEE's, Urban planners etc. focusing especially on water and wastewater management.
SWM/A1	Introduction to Solid Waste Management	Field operators, technicians, Group C employees and Jr. Engineers etc. focusing especially on solid waste management.
UWM/A5	Training Course on Anaerobic Sludge Treatment and Biogas Generation	Field operators, technicians, Group C employees and Jr. Engineers etc. focusing especially on solid waste management.

COLLEGE OF ENGINEERING TRIVANDRUM

VISION: A Centre of Excellence for moulding technically competent and ethically strong Civil Engineering Professionals with global perspective.

MISSION

- *To impart quality education in Civil Engineering by integrating theory, practice and research keeping pace with emerging technologies.*
- *To equip students with technical expertise so as to take up challenges in the field of Civil Engineering.*
- *To encourage students for pursuing higher education and research.*
- *To create competent professionals who are capable of upholding ethical values and principles of sustainable development.*

Contact us:

College of Engineering Trivandrum,
Engineering College P.O., Sreekaryam,
Thiruvananthapuram,
Kerala. PIN 695016

Location:

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REGISTRATION FORM

1. Name:
2. Age:
3. Gender: Male/ Female
4. Qualification:
5. Designation:
6. Department:
7. Organization:
8. Address for communication:
9. Phone:
10. Email:

Declaration

The above-mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. I also undertake the responsibility to inform the coordinator in advance; in case I am unable to attend the course.

Place:
Date: Signature of Applicant

Nomination

Certified that Mr./Ms./Dr…….. is an employee of this institution and is hereby nominated for the Refresher Course conducted by the College of Engineering Trivandrum from 23rd to 25th Nov. 2026. If selected, he/she will be permitted to attend the course.

Place:
Date: Signature of the sponsoring authority

(Seal of the Institution)