



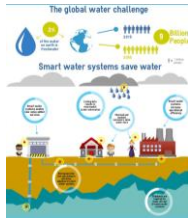
# Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)  
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. Telangana, India



## Environment Management Division

### CONTINUING PROFESSIONAL DEVELOPMENT PROGRAMME IT Enabled Applications in Water Supply and Sewerage Projects.



19 – 22 August 2024

Interactive Sessions | Digital Learning | Assessments | 24/7 Experts Online/Offline Support

#### Introduction

As we are confronting severe water shortage problem, Government of India, intends to create Indian cities sustainable and smart by effectively using water resources and providing an efficient water infrastructure by creating an intelligent system concept for water supply by using software solutions. Similarly the sanitation is also given importance for its improvement.

Government of India Missions like Atal Mission for Rejuvenation and Urban Transformation (AMRUT), Swachh Bharat Mission (SBM) and Smart City Mission (SCM) has been emphasising to strengthen basic civic amenities like water supply, sewerage, urban transport, parks and creation of infrastructure that has a direct link to provision of better services to the citizens.

In order to achieve this, we need to use advanced decision support technology to accelerate project delivery and improve asset performance for the infrastructure that sustains our economy, environment and especially on Water Supply & Sewerage Projects.

This course deals with the software solutions of water supply & sewerage system in two sections:

**I. Software Based Technology:** Software solutions are required to meet the unique needs of infrastructure (Water Supply, Sewerage & Sanitation) professionals.

**II. Providing Water Supply and Sewerage facilities along IT Corridor Collection system:** Understanding of IT Initiatives components in Water Supply & Sewerage Board, Complaints Monitoring system, E-office, E-Governance and citizen services, Single Window Cell and web Based Application for collection taxes and charges.

#### Objectives

The objective of this 4-day programme is to provide information on

- ✓ Hydrologic and Hydraulic system analysis and design.
- ✓ Hydraulics and Hydrology Software- Demonstration on design, management and drawing infrastructure
  - a. WaterGems
  - b. SewerGems
- ✓ Providing water supply and sewerage facilities along IT Corridor Collection system
- ✓ Achieving transparency in sanctioning and effecting of New Water/Sewer Connections

#### Course Coverage

- Design, O&M and monitoring of water supply and sewerage system through IT enabled technologies
- Demonstration of the softwares like WaterGems, Water CAD and SewerGems
- Best practices and Implementation of E-Governance in Water Supply and Sewerage Projects.
- Smart Water Management System.
- Case Study, Group Discussion, Evaluation and Site Visits if any.

#### Methodology

Methodology of the programme includes classroom Sessions with Lectures/discussions, with audio visual aid; bench - marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences, etc. All the sessions will be interactive, demanding active participation from all the participants.

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

## Target Participants

This course is designed in consideration with the engineers, managers who are involved in planning, designing, analysing and optimizing their water and wastewater collection systems, Sewerage Schemes implementators and in charge of design, monitoring, O&M of Water Treatment Plants, Sewage Treatment Plants from Metro Boards, Public Health Engineering Departments, Municipal Corporations, Municipal Administration Departments, Development Authorities, Townships and other Govt. PSU departments etc.

## Programme Dates, Code & Timings

**Dates: 19 – 22 August 2024 (EM 6070) & Timings: 10:00 AM onwards.**

## Course Director

**Ms. Anita Aggarwal**

Faculty & Head,

Environment Management Division, ESCI

Phone: Direct 040 6630 4120, 4122 / Fax: 040-66304163

Mob: 8374362306.

Email: [em@escihyd.org](mailto:em@escihyd.org)

## Faculty/Speaker Details

**Apart from the core internal faculty, Experienced Professionals/Faculties/Sector experts will be delivering the lively lecture with practical knowledge & case study.**

## Course Fee

- **Course Fee** – 20,000/- (Rupees Twenty Thousand only) per participant. Fee includes course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme. ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation).
- **Non-Residential Fee:** 10% discount on course fee is allowed for non-residential participants.
- **Group Incentive:** 10% discount one Course fee for five or more participants, if sponsored by the same Organization.

**GST @18%** is to be paid extra over and above the training fee. **PAN Card No.** AAATT3439Q. **GST No:** 36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of **“THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA”** in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI – **SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004** by **NEFT/ RTGS. IFSC Code No. SBIN 0004159 – MICR No.500002075. PAN Card No AAATT3439Q; GSTIN No. 36AAATT3439Q1ZV.** While using EFT method of payment, please ensure to communicate us your company name, Contact details, our invoice reference and programme title. **Kindly provide your organization GSTIN No. along with your nominations**

## Registration

**Online registration** shall be available on ESCI **web portal** : [www.escihyd.org](http://www.escihyd.org)

**To register manually** please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to: **Course Director** (or) Contact Mr. GNM. Rao (Prog. Manager) – 9866431555.

**A Certificate of participation will be awarded to each participant on conclusion of the programme.**

**Environment Management Division, Engineering Staff College of India**

Gachi Bowli, Hyderabad – Telangana 500 032

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Email: [em@escihyd.org](mailto:em@escihyd.org), **web portal:** [www.escihyd.org](http://www.escihyd.org)