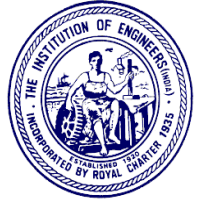




Engineering Staff College of India

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



WATER RESOURCES DEVELOPMENT DIVISION

ONLINE PROFESSIONAL DEVELOPMENT PROGRAMME **Drinking Water Supply Systems – Planning, Design and O&M with SCADA & Software Application**



Powered by



ESCIUpSkill
A Smart Learning Platform

02 – 07 Nov, 2020
(Three Hours per day)
18 Hours Online Intractive Sessions

Introduction

A reliable supply of clean and safe water is the first and most critical service that people require. The purpose of a water distribution system is to provide an adequate and reliable supply of safe water to its users. Today, a water supply system consists of infrastructure that collects, treats, stores, and distributes water between water sources and consumers. Operation and maintenance are those activities needed to continuously fulfill this purpose.

The difference between operation and maintenance is that operation involves activities necessary to deliver the service, while maintenance involve activities that keep the system in good operating condition. Operation includes monitoring the system state, running the system and enforcing policies and procedures. Maintenance entails condition assessment, servicing, repair and replacement of system components.

As water demands pressures raise increasingly on the existing water supply system, many studies attempted to develop a general water supply system to assist decision makers to design more reliable systems for a long range operation period. These attempts also include the optimization of total system construction and operation cost. Under given situations such as pipeline maintenance, non-revenue water, advanced metering infrastructure, the ultimate goal is to ensure water distribution system challenges are overcome and supply water sources to users reliably in a more sustainable and timely manner as a long-term plan.

The Operation and Maintenance Network aims to contribute to the sustainability of water and wastewater services, and through that public health, by improvements to operation and maintenance in water and wastewater services in developing countries. The Network facilitates the exchange of experiences, knowledge and information on O&M of water supply and wastewater systems by bringing together service providers, external support agencies and other stakeholders.

Objectives

The proposed training programme aims at providing an opportunity to the Engineers involved with Planning, design, construction, maintenance of Drinking Water Systems working in Water Resources, Drinking Water schemes, Metro water boards, Muncipal Depts., Urban & Rural water supply areas etc. to enhance their knowledge on the distribution system how to deliver water to consumer with appropriate quality, quantity and pressure. Distribution system to describe collectively the facilities used to supply water from its source to the point of usage. SCADA & Software Applications.

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

Centre for Promotion of Professional Excellence

Course Coverage

- Introduction to Planning, Design including source selection of Drinking water supply systems
- Importance of O&M of drinking water supply systems
- Drinking Water Standards and Drinking Water Quality related issues including Prevention of Waterborne Diseases & Disinfection.
- Sources of Water pollution – Sanitation, Hygiene, Control of pollution and role of State Govts.
- Design aspects and selection of various components of water treatment plants and their functions.
- Quality control of various components of Treatment Plants.
- O&M of Water Treatment Plants.
- SCADA & Software Applications

Methodology

Methodology of the programme includes Digital Learning through LMS Platform, Online Video interactive sessions with Cloud based, Lecture / Discussion with audio visual aid, bench marked video shows, chalk & talk sessions, Online case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members.

Benefits to the participants

At the end of the programme, participants will be enriched with Planning, Design, O&M of Drinking Water Schemes and Software Applications.

Target Participants

Engineers involved with Planning, Design, Construction, Maintenance of Drinking Water Systems working in Water Resources, Drinking Water Schemes, Metro Water Boards, Municipal Department, Urban & Rural Water Supply areas etc.

Programme Dates & Timings

Dates: 02 – 07 Nov, 2020 (3 Hours per day)

Timings: After Registration Participant can access **ESCI LMS platform** for digital Learning

Online Session timings will be from 14:00 – 17:15 hrs with 15 Minutes Tea breaks.

Course Director

Er. G Naresh, M.Tech, (Ph.D)
Faculty and Course Director
Contact details : 8801193075

Faculty/Speaker Details

The faculty consists of experts from leading Central and State Govt. / Semi Govt. organizations, Industry and Universities. We are sure that the participants will be benefited by the lectures, interactive sessions & presentations on case studies.

Course Fee

Rs 9000/- + GST 18 % as applicable Per participant.

- ❖ **GST @18%** as applicable on the Course fee is to be paid. **ESCI PAN Card No AAATT3439Q; GSTIN 36AAATT3439Q1ZV** (under commercial training or coaching services). 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. While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.

Registration

Online registration shall be available on ESCI **web portal** : www.esciupskill.org / 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 the Course Director by email (wrd@escihyd.org).

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

WRD, Engineering Staff College of India

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