

## **FLUID CONTROL RESEARCH INSTITUTE**

### **e – ITEC Training course**

#### **Course Details**

#### **Course Title: Water transmission and distribution engineering**

Course on Water transmission and Distribution has been designed to provide an in depth knowledge of water transmission, flow measurement and related fields. This course has been developed to cater to a broad spectrum of peoples working in water industries. Design of gravity and pumping mains, Hydraulic transients in transmission systems, Simulation of water distribution networks and optimization of water supply network using EPANET are the major topics covered in this training program.

The training also covers various aspects of water metering. Types of water meters, application, specification of water meters as per IS, OIML and ISO standards, selection of water meters and testing of water meters as per International standards are also covered in this e- training course.

Course Schedule:

<b><u>Title : Water Transmission and Distribution Engineering</u></b>			
Sl No	Date	Time IST (Indian Standard Time)	Topic
1	15/03/2021	15.00Hrs – 16.00hrs	Initial on-line Test
		16.00- 16.15 Hrs	Break
		16.15Hrs-17.15Hrs	Design of Gravity and Pumping Main
2	16/03/2021	15.00Hrs – 16.00hrs	Simulation of water Distribution Networks
3	18/03/2021	15.00Hrs – 16.00hrs	Optimization of water supply networks (EPANET)
4	19/03/2021	15.00Hrs – 16.00hrs	Hydraulic Transients in Transmission Systems
5	22/03/2021	15.00Hrs – 16.00hrs	Watermeters Selection and testing
		16.00- 16.15 Hrs	Break
		16.15Hrs-17.15Hrs	Final on- line Test

#### **Technical requirement at far – end/participants end :**

Devices or systems compatible with Google meet/ Polycom/ Microsoft Teams

#### **Online platform used by the Institute :**

Google meet/ Polycom/Microsoft Teams