

FDP-77	ENVIRONMENTAL ENGINEERING	12.11.2018 to 16.11.2018
<p>OBJECTIVES:</p> <ul style="list-style-type: none"> ➤ To understand the importance of water supply and its requirements. ➤ To gain general familiarity with the various stages of treatment for purification of water. ➤ To understand the methods of supply of water, storage and types of distribution lay-out. ➤ Expose to the conservation of rain water and Recharging of ground water sources. ➤ To understand the importance of sanitation, various terms and systems of refuse and disposal. ➤ To understand the methods of primary, secondary and chemical treatments of sewage and its disposal. ➤ To understand the causes, types, effects and control of Air and Noise pollution. <p>PARTICIPANTS:</p> <p>Teachers of Civil Engineering. (Maximum Number of participants limited to 30)</p> <p>INPUT: (In line with Kerala Syllabus–Subject #5110, #4141: Karnataka–Subject# 95CE54EE; AP # 502, # 602)</p> <p>Water Requirement - Necessity of water supply- Methods of population forecasting - Water Requirements For a) Domestic Purpose b) Industrial Use c) Fire Fighting d) Public Purpose e) Losses - Flow diagram of different units of purification, brief description of constructional details, working and operation of the following units - plain sedimentation, sedimentation with coagulation and filtration (no design) - Purification of Water - Water Conservation - Water pollution and Control - Quantity of Sewage Characteristics and Analysis of Sewage - Sewerage Systems Surface and Storm Water Drainage - Sewerage Treatment and Disposal</p> <p>PROCESS:</p> <ul style="list-style-type: none"> ➤ Lecture ➤ Discussions ➤ Field Visit <p>OUTCOME:</p> <p>By the end of these training, participants will be able to:</p> <ul style="list-style-type: none"> ➤ Describe the method of forecasting population and estimate the requirement of water for various purposes in particular. ➤ Explain with sketches the different systems of distribution. ➤ Ability to understand the effects of water pollution, its prevention and control and legislations. ➤ Explain the methods of harvesting of Rain water and recharging ground aquifer. ➤ Explain the primary and secondary waste water treatment. <p>RESOURCE PERSONS:</p> <ul style="list-style-type: none"> ➤ Dr. K S A Dinesh Kumar ➤ Guest faculty 		
COORDINATOR	VENUE	LAST DATE FOR RECEIPT OF APPLICATIONS
Dr. G. Janardhanan	NITTTR, Chennai	15 days prior to the start of the programme