

Enhancing Sectoral Water Use Efficiency

About the course

The prospective water availability scenario is set to be the greatest challenge of the 21st century amongst all the users or sectors due to continual rising and competing demand, inefficient use, pollution, and added risks due to climate change. It is essential that the roadmap of growth and development in India encompass the strategies to address the water scarcity involving interventions like water demand management, enhancing water use efficiency, water conservation, recycle and reuse, etc. This module offers an introduction to water use in different sectors & identify broad strategies for improving their water use efficiency.

Learning Objectives:

1. Insights into the current state of water availability and usage across various sectors in India
2. Understanding water auditing and accounting methods to track water usage and identify areas for improvement
3. Insights on approaches for improving water use efficiency in agriculture, domestic and industrial sectors.

Course Structure:

Module 1: Water Resources— An Overview

1. State of water resources across various sectors
2. Major challenges in the water sector:
 - a. Water scarcity & water pollution
 - b. Inefficient water use
 - c. Impact of climate change on water resources

Module 2: Efficient Water Use

1. Introduction to water auditing
2. Enhancing Sectoral Water Use Efficiency
 - a. Agri-irrigation Sector
 - b. Domestic Sector
 - c. Industrial Sector

Who is the Course For/ Intended Audience:

This course is primarily intended for students and young researchers interested in water resource management. It serves as a valuable resource for individuals looking to build a strong knowledge base in water resources, whether they are pursuing academic research, or working in water resources planning & management, policy analysis, or related fields.

Duration and Time Commitment:

The course is self-paced and can typically be completed in 1-2 hours.