

# Diploma in Irrigation Technology

## Target Group

Advanced Level, physical science students (mathematics stream) who have obtained 3 passes.

## Provide

An excellent opportunity for youth to be qualified in irrigation and water resources field and obtain a higher diploma (NVQ Level 6) in Irrigation Technology.

## Create

Competency to investigate, plan and develop irrigation and construction projects. Maintain and manage irrigation facilities for agriculture. Capacity for handling civil engineering projects related to irrigation sector. Create confidence on Project Management and Leadership for managing the resources in water sector.

## Resource Persons

Eng.G.D.F.U.Perera	Head , International Training Institute of Irrigation and Water Management, Kothmale
Eng. S.M.D.L.K.De Alwis	Additional Secretary (Ministry of Mahaweli, Agriculture, Irrigation and Rural Development), Programme Director (PEISEIP)
Eng.W.G.Gnanadasa	Hydrologist, Agriculture Smart Project, Ministry of Agriculture
Mr. G.W. Chandrarathne	Senior Survey Superintendent , Survey Department
Dr.Ganila Paranawithaa	Senior Lecturer - OUSL
Dr.Muditha Pallewatta	Irrigation Engineer, Irrigation Department
Eng. E.M.K.N. Jayaweera	Executive Engineer (Road Development Authority)
Eng. B.M.W. Basnayake	Rtd. Civil Engineer (MASL)
Eng. E.M.R. Ekanayake	Rtd. Civil Engineer (BOC)
Eng.B.A. Sampath	Project Engineer (Ministry of Mahaweli, Agriculture, Irrigation and Rural Development)
Mrs. B.B. Gamage	Rtd. Director, Technical College, Kandy

## Course Coordinator

Eng.N.W.P.W.Nanayakkara – Academic Coordinator

## Course Outline

### SEMESTER 01

English for Technology  
Engineering Drawing I  
Surveying and Leveling-I  
Engineering Mathematics  
Quantity Surveying  
Irrigation Technology I  
Hydraulics and Fluid Mechanics  
Workplace Information Management

## **SEMESTER 02**

Engineering Geology and Soil Mechanics I  
Water Management I  
Surveying and Leveling II  
Theory and Design of Structures I  
Construction Project Management I  
Construction Materials and Quality Control  
Workplace Communication Management  
Planning and Scheduling Work at Workplace

## **SEMESTER 03**

Surveying and Leveling-III  
Irrigation Technology II  
Engineering Geology and Soil Mechanics II  
Participatory Irrigation Management  
Legal Aspects in Irrigation Management  
Environmental Studies and Water Quality  
Building Technology I  
Highway Engineering I  
Accounting, Stores Management and Departmental Procedures  
Organizational Behavior and Culture  
Decision making & Problem Solving Techniques

## **SEMESTER 04**

Surveying and Leveling-IV  
Engineering Drawing II  
Water Management II  
Theory and Design of Structures II  
Construction Project Management II  
Building Technology II  
Highway Engineering II  
Teamwork & Leadership  
Creating and Maintaining of Learning Culture at Workplace  
Survey Camp

## **SEMESTER 05 & 06**

Field Training

