

## ARUSHA TECHNICAL COLLEGE

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### CIVIL ENGINEERING DEPARTMENT

**1.0.SHORT COURSE TITLE:** Irrigation Water Management

**2.0.HOST DEPARTMENT:** Civil Engineering Department

**3.0.PLACE/VENUE:**Arusha Technical College (ATC)

**4.0.COURSE DURATION:**1 Week

**5.0.COURSE COST:** TZS 300,000 = (tuition fee and training materials only).

### 6.0.COURSE OBJECTIVES

#### 6.1 General Objective

The course aims to increase knowledge and skills (capacity building) among the participants in various methods of efficient and management use of irrigation water.

#### 6.2 Specific Objectives

At the end of the course, a trainee should be able to:

- (i) Apply basic concepts of irrigation water management
- (ii) Apply different methodologies for irrigation water management.
- (iii) Plan strategies for efficient irrigation water management.

### 7.0 COURSE OUTCOME

Upon the completion of course, the trainee should be able to:

- (i) Plan and supervise the implementation of different methodologies and strategies of irrigation water management for efficient use of irrigation water.
- (ii) Apply control measures of environmental conservation in water catchment areas and fields through physical, biological and cultural methods.

## **8.0TARGET GROUP**

Field technicians, farm officers and any other interested person working in irrigation schemes with interest in increasing crop production.