

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15

(A Govt. Aided Autonomous Institution affiliated to Anna University)

- where Quality and Ethics matter



QEEE COURSES

TEST ON CONCRETE - CONCRETE TECHNOLOGY

COURSE CONTENT:

- . 1. Tests on fresh concrete
 - Workability tests for normal and self-compacting concrete
 - Determination of setting and hardening of concrete
 - Electrical and ultrasonic monitoring of early age concrete
 - Plastic shrinkage testing
 - Maturity method
- 2. Tests for mechanical properties
 - Compressive and tensile strength
 - Modulus of elasticity
 - Creep an drying shrinkage
 - Fracture properties
- 3. Durability test methods
 - Chloride penetration tests
 - Water penetration tests
 - Gas penetration tests
 - Tests for chemical attack
 - Tests for corrosion