



NRI – INSTITUTE OF RESEARCH & TECHNOLOGY

(Run By Taramathi Education Society)

(Approved by AICTE New Delhi, Govt. of M.P. And Affiliated to R.G.P.V. Bhopal)

1, Sajjan Singh Nagar, Opp. Patel Nagar, Raisen Road Bhopal MP- 462022

Tel No. 0755-2684058-60 Ext.-507 Fax: 0755-2684059

website: www.nrigroupindia.com

NIRT

CIVIL ENGINEERING

SEMESTER- VI

SUBJECT NAME – STRUCTURAL DESIGN AND DRAWING (RCC-I)

SUBJECT CODE – CE601

LIST OF EXPERIMENTS:

Tests on Aggregates

1. Fineness Modulus of fine aggregates
2. Fineness Modulus of coarse aggregates
3. Specific gravity and water absorption of coarse and fine aggregate

Tests on Concrete

1. Slump value using slump cone
2. Slump value using compaction factor test
3. Compressive strength of cubes



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CIVIL ENGINEERING

SEMESTER- VI

SUBJECT NAME – ENVIRONMENTAL ENGINEERING -I

SUBJECT CODE – CE602

LIST OF EXPERIMENTS:

1. To study the various standards for water
2. To study of sampling techniques for water
3. Measurement of turbidity
4. To determine the coagulant dose required to treat the given turbid water sample
5. To determine the conc. of chlorides in a given water samples
6. Determination of hardness of the given sample
7. Determination of residual chlorine by “Chloroscope”
8. Determination of Alkalinity in a water samples
9. Determination of Acidity in a water samples
10. Determination of Dissolved Oxygen (DO) in the water sample.



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SEMESTER- VI

SUBJECT NAME – ADVANCE SURVEYING LAB

SUBJECT CODE – CE605

LIST OF EXPERIMENTS:

1. Measurement of Distance by Chaining and Ranging.
2. Locating Various Objects by Chain or Cross-Staff Surveying.
3. Measurement of bearings of sides of traverse with prismatic compass and computation of Correct included angle.
4. Determination of elevation of various points with dumpy level by collimation plane method and rise & fall method.
5. Fixing bench mark with respect to temporary bench mark with dumpy level by fly levelling And check levelling.
6. Measurement of vertical angles with theodolite.
7. Determination of horizontal distance between two inaccessible points with theodolite.
8. locating given building by theodolite traversing
9. To perform complete survey with Total Station.



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SEMESTER- VI

SUBJECT NAME – NON- DESTRUCTIVE TESTING LAB

SUBJECT CODE – CE606

LIST OF EXPERIMENTS:

1. To study of Rebound Hammer Test.
2. To study of UPV Test.