



# Techno India NJR Institute of Technology

## Academic Administration of Techno NJR Institute

### Syllabus Deployment

Name of Faculty: Mr. Bharat Kr. Suthar

Subject Code: 7CE4-21

Department: Department of Civil Engineering

SEM: VII

Total No. of Lab Planned: 10

Sub: RMT Lab

#### COURSE OUTCOMES HERE (3 OUTCOMES)

At the end of this course students will be able to:

- CO1. To determine the flakiness index, Angularity number test and fineness test of given sample of aggregate.
- CO2. Conduct a meaningful hardness, tensile, and impact test and report of the test results in a clear and useful manner.
- CO3. Able to understand and determine of Aggregate crushing value test, specific gravity and water absorption test of aggregates.

| Lab No. | Exp. No. | Topic   |
|---------|----------|---|
| 1       | 1        | Aggregate Impact Test.  |
| 2       | 2        | To determine the Angularity Number, Flakiness Index & Elongation Index of aggregates. |
| 3       | 3        | Los Angeles Abrasion Test.  |
| 4       | 4        | Aggregate Crushing Value Test.  |
| 5       | 5        | Standard Tar Viscometer Test for given bitumen sample.                                |
| 6       | 6        | Ductility Test for a given bitumen sample.  |
| 7       | 7        | . To determine the softening point for given sample of bitumen.                       |
| 8       | 8        | Marshall Stability Test.  |
| 9       | 9        | Float Test.   |
| 10      | 10       | Preparation of Dry lean concrete mix and testing of its strength.                     |

For Techno India NJR Institute of Technology

पंकज पोरवाल  
Dr. Pankaj Kumar Porwal  
(Principal)

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