

Transportation Engineering laboratory:

The laboratory of transportation engineering in the civil department is well equipped with all the required instruments and equipment to conduct various standardized tests to assess the quality of highway materials, pavement evaluation and traffic engineering studies. This will enable to determine the various physical properties of road construction materials.

Some important instruments are mentioned below:

1. Marshall Apparatus
2. Pavement core drilling machine
3. Softening point: Ring and Ball Apparatus
4. Los Angeles abrasion testing machine
5. Aggregate impact value apparatus
6. Pensky-Martens Apparatus
7. Standard tar viscometer



Geotechnical Engineering laboratory:

The laboratory of geotechnical engineering in the civil department is well equipped with all the required instruments and equipment to conduct various standardized tests to assess the geotechnical properties of soil such as consistency limits, permeability, shear strength, density index etc. which are useful for the students to understand the practical knowledge about roads and highway projects.

Some important instruments are listed below:

1. Compaction test apparatus
2. Universal penetrometer
3. CBR apparatus
4. Sieve shaker
5. Direct shear test apparatus
6. Vane shear apparatus
7. Relative density apparatus
8. Vibrating machine
9. Variable flow type air permeability apparatus
10. Core cutter and Cone penetrometer
11. UCT machine
12. Sand replacement apparatus



Concrete Technology Laboratory:

The laboratory of concrete engineering in the civil department is well equipped with all the required instruments and equipment to conduct various standardized tests to assess quality of cement, concrete. This subject is very much essential mainly for building projects and roads and highway pavements. Students will able to learn the practical and theoretical approach involved in this subject about concrete making materials and cementitious materials which will help them to do research and projects in this field.

Some important instruments are mentioned below:

1. Slump test apparatus
2. Vee-bee consistometer
3. Cement autoclave
4. Vicat apparatus
5. Compression testing machine
6. Sieve shaker

