



VNR Vignana Jyothi Institute of Engineering and Technology

An Autonomous Institute, Accredited by NBA and NAAC with 'A++' Grade

Department of Civil Engineering

M.Tech. Highway Engineering



Program Salient Features

- Highly qualified faculty members having Ph.D. and research experience.
- State of the art Highway and Traffic Engineering laboratories.
- **Research Collaborations:** IIT Hyderabad, IIT Roorkee, NIT Warangal, BITS Hyderabad.
- **Certificate Courses:** MX Road, Civil 3D, VISSUM/VISSIM software.

Research Facilities

Software's available:



Research Projects

- Modification of Bitumen Mixes using Polymers Sanctioned Under RPS, AICTE.
- Evaluation of Rutting Characteristics of HMA mixes, Sanctioned Under MRP – UGC.
- Development of Indigenous Light weight Deflectometer, Sanctioned Under DDP, DST.
- Assessment of HMA mixes with the inclusion of RAP materials, Under CRS, TEQIP – III, JNTU H.

Industry Based Curriculum

- Pavement Design and Material Characterization.
- Urban Transportation Planning.
- Pavement Evaluation and Management System.
- Highway Construction and Quality Control.
- Advanced Traffic Analysis.
- Road Safety and Traffic Management.

MoU's - Internships



Industries Associated



Consultancy Projects



Research Equipment

- Repeated load test set-up
- Immersion Type Wheel Rutting
- Plate Bearing Test Apparatus
- Light weight Deflectometer
- Short Term Aging
- Rotational Viscometer
- Digital Strain Controlled Apparatus
- Semi-Circular Bending Test



Placement



Financial Aid

Financial Support to the students associated with Funded Research Projects and Consultancy Works.