

# 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.

## 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



Research Facilities

Software's available:

HDM - 4
HIGHWAY DEVELOPMENT & MANAGEMENT

**HDM - 4** 

CIVIL 3D



**MX ROAD** 

**R Software** 



VISUM/ VISSIM

**SPSS Software** 

# 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** weight Light Deflectometer, Sanctioned Under DDP, DST.
- Assessment of HMA mixes with the inclusion of RAP materials, Under CRS, TEQIP – III, JNTU H.

# Industries Associated



#### Consultancy Projects

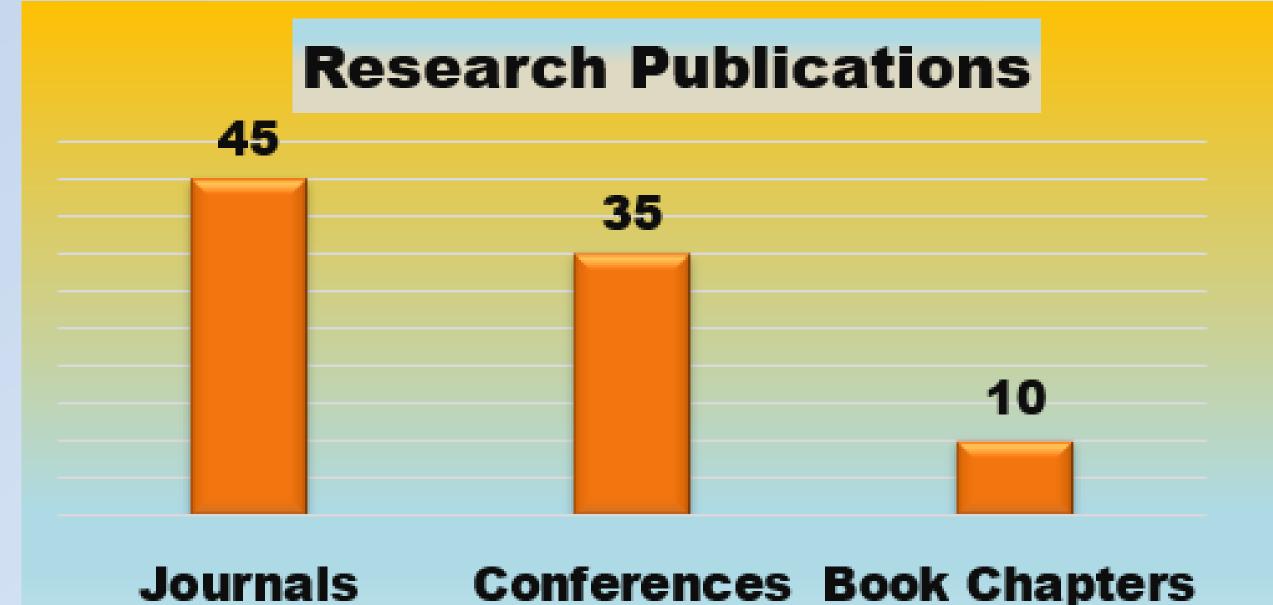


#### Research Equipment

- 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 students the associated with Funded Research Projects and Consultancy Works.