

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING



A Brief Report on
“AICTE SPONSORED - ONE WEEK NATIONAL WORKSHOP
“TRAFFIC AND TRANSPORTATION PLANNING FOR SMART CITIES”
(TTPSC 2017)
20th – 25th November, 2017

THEME OF WORKSHOP:

Our country is presently going through infrastructure development phase in all sectors of transportation. The major objective of the proposed course is to enhance the knowledge; in the field of traffic engineering analysis and design using various computing aides of the participating academicians, scientists, engineers, and practitioners. This course will provide a stage for researchers, engineers, academicians as well as industrial professionals from all over the country to learn and practice the latest and advanced research methods in Traffic and Transportation Engineering for providing solutions to societal needs.

CONTENTS OF WORKSHOP:

- ✚ Role of urban transport in India with smart cities planning perspective.
- ✚ Intelligent Transportation System application for smart cities.
- ✚ Public Transport Modeling
- ✚ Introduction to Traffic Simulation Techniques ; Hands on training at Signalized and un-signalized intersection using VISSIM
- ✚ Transport Mobility planning
- ✚ Multimodal mobility services for the smart city; Hands on Training - VISSIM calibration and Advanced feature
- ✚ Data collection for Smart cities
- ✚ Hands on Training Road Geometrics : Horizontal alignment & Vertical alignment using Mx Road
- ✚ Planning of Smart Cities – Case studies

Dr CSRK Prasad *former Dean Student Affairs, Professor of CED, NIT W* has enlightened the importance of smart cities planning perspective during the inaugural session on the workshop. About Twenty six participants from Industries, academicians and research scholars have registered for the workshop. In the forenoon session of day one i.e.20.11.2017 *Dr Rajesh Krishnan*, CEO of ITS Planners and Engineers has elaborated on Intelligent

Transportation System application for smart cities. In the second day of forenoon session i.e.21.11.2017. *Dr SLN Sarma Sadhu* has explained on importance of public transport modeling. During the afternoon session *Dr. A. Ramesh*, Associate Professor, CED, VNR VJIET has made emphasis Traffic Simulation Techniques. During the third day (22.11.2017) of workshop participants were provided with hands on training for simulation techniques through VISSIM software for signalized and un-signalized intersection on the third day forenoon session. In the afternoon session; *Dr. V. Vinayaka Ram* faculty from Birla Institute of Technology & Science, Pilani - Hyderabad Campus, has delivered talk on *Transport Mobility planning for Smart cities*. On the fourth day *Dr. K.V.R. Ravi Shankar*, Faculty of CED, National Institute of Technology, Warangal had delivered talk on Multimodal mobility services and public transportation importance for the smart cities and provided hands on training for VISSIM calibration and Advanced features. Fifth day (24.11.2017) of workshop was handled by *Dr SV Subba Rao*, Faculty of MEC, he has explained on the importance and process involved for data collection in development and planning of smart cities. In the afternoon session *Sri T Naga Teja* faculty of CED, VNR VJIET has provided hands on training for design of horizontal alignment using Mx Road software. On sixth day (i.e.25.11.2017) *Sri P Ramu* faculty of CED, VNR VJIET has provided hands on training for design of vertical alignment using Mx Road software. During the afternoon session *Dr M Kumar*, Professor and Head, UCE, OU had delivered talk on residential choice modeling and traffic network planning in context with smart cities.

All the participants were also giving an opportunity hands on training of simulation package through VISSIM and geometrical design package of Mx Raod.

The workshop was concluded with a Valedictory & certificate distribution by *Dr M Kumar*, Professor and Head, UCE, OU, *Dr. A. Mallika* CED. A CD containing the workshop notes was also distributed to all the participants.

It is understood from the participant feedback that all the sessions were very informative and appreciated by the participants to the faculty. I thank the AICTE, Management, Principal, HOD – CE, Faculty & Staff of CED and Students for their constant encouragement, valuable suggestions and support provided in organizing this workshop successfully.

Dr. A Ramesh
Coordinator
TTPSC 2017



Inaugural session of AICTE One week National Workshop on *Traffic and Transportation Planning and Smart Cities (TTPSC 2017)* during 20 – 25 Nov, 2017. Dr. CSRK Prasad Professor, CED, National Institute of Technology, Warangal was chief guest for the inaugural session



Dr. CSRK Prasad, Professor, Head Transportation Division, CED, National Institute of Technology, Warangal, delivered key note address on traffic and transportation planning for smart cities



Prof. M. Kumar delivered lecture on Smart cities perspectives for transportation planning



Valedictory function of AICTE One week National Workshop on *Traffic and Transportation Planning for Smart Cities* (TTPSC 2017) during 20 – 25 Nov, 2017, Dr. M. Kumar, Professor, CED, UCE, OU, Hyderabad was chief guest for the function.