

Name: T.NagaTeja  
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**Experience (in years):** Teaching: 10      Research: 5      Others: Nil

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	RVR & JC College Of Engineering	2011	Civil Engineering
2	IIT Roorkee	2013	Transportation Engineering
3	JNTU Hyderabad	In Progress	Transportation Engineering

### 2. Teaching and Learning:

#### 2.1 Teaching Interests:

**UG:** Transportation Engineering, Surveying & Geomatics, Traffic Engineering, Geotechnical Engineering, Building materials, Water resource engineering, Environmental Engineering and Engineering Mechanics

Transportation Engineering Laboratory and Surveying Field Work Laboratory

**PG:** Pavement Analysis & Design, Urban Transportation Planning & Design, Highway Geometric Design, Traffic Engineering, Advanced Traffic Analysis.

#### 2.2 Novel Teaching & Learning Techniques adopted:

- Interaction teaching with students
- Teaching the subject with a fundamental approach and explain the connectivity to the physical behaviour in the real world applications.
- Use of NPTEL to understand the subject better through e-learning.
- Maximum utilization of resources like text books, PowerPoint presentations etc. to update the knowledge database is also used.
- WIT & WIL, NPTEL, TED Videos

#### 2.3 Involvement in curriculum updating / Design:

Designed syllabus for the M.Tech subjects like-

- Highway Geometric Design
- Traffic Engineering
- Urban Transportation Planning
- Advanced Traffic Analysis
- Traffic Laboratory

### 3. Co-curricular and Extra-Curricular Activities

#### 3.1. Interests and Hobbies:

Playing Volleyball and Badminton

Travelling

#### 3.2. CCA/ECA Organized:

- Department Coordinator for OPEN HOUSE in the National conference organized at VNRVJIET, CONVERGENCE – 2K16
- Judge for the Treasure Hunt in the Symposium HORIZON-19.

### 3.3. CCA/ECA participated: Nil

### 3.4. Counseling and Mentoring Activity:

Counsellor for II, III and IV B.Tech Students (30 Students)

### 3.5. Committees involved in:

Department level: Placement Committee  
Final year B.Tech project review committee  
Knowledge Asset Compilation  
Lab Incharge - Survey Laboratory  
Diploma Civil Co-ordinator

Institute Level: Member in sports committee  
Institute Discipline committee  
Member in IIC-GRO  
COVID-19 commander

## 4. Conference / Workshop / Seminar / Guest Lectures:

### 4.1 Conducted:

- Organized a National conference sponsored by VMR VJIET on “**Transportation Research Efforts for Ecological Sustainability (TREES-18)**”, at VNRVJIET from 28<sup>th</sup> – 29<sup>th</sup> September, 2018.

### 4.2 Attended:

- Participated in National workshop which is sponsored by AICTE on “**Urban Traffic and Transportation Planning Perspective for Smart Cities**”, organized by VNRVJIET from 20<sup>th</sup> – 22<sup>th</sup> January, 2016.
- Participated in two week ISTE STTP National workshop which is sponsored by MHRD held under the national mission on education through ICT on “**Introduction to Structural Engineering**”, conducted by **Indian institute of technology kharagpur** and physical participation at VNRVJIET from 30<sup>th</sup> November 2015– 9<sup>th</sup> January, 2016.
- Participated in National workshop which is sponsored by TEQIP named as “**Participatory Irrigation Management**”, organized by VNRVJIET from 25<sup>th</sup> – 30<sup>th</sup> March, 2015.
- Participated in Two Week National workshop which is sponsored by AICTE named as “**Computer Oriented Applications in Civil Engineering**” organized by VNRVJIET from 16<sup>th</sup> – 28<sup>th</sup> May, 2016
- Participated in National workshop which is sponsored by TEQIP named as “**Efficient Use of Available Water Resources for More Crop per Drop**”, organized by VNRVJIET from 18<sup>th</sup> – 20<sup>th</sup> March, 2015.
- Participated in short term which is sponsored by TEQIP named as “**Concrete Roads: Analysis, Design and Evaluation**”, organized by IIT KHARGPUR from Feb 27<sup>th</sup> – 1<sup>st</sup> March, 2017.
- Participated in One Week National workshop which is sponsored by AICTE named as “**Traffic and Transportation Planning for Smart Cities**” organized by VNRVJIET from 20<sup>th</sup> – 25<sup>th</sup> November, 2017.
- Attended a Two day National Conference sponsored by TEQIP named as “**Disaster Preparedness, Mitigation and Reconstruction of Sustainable Society**” organized by VNRVJIET from 11<sup>th</sup> – 12<sup>th</sup> February, 2016.
- Attended a Two day National Conference sponsored by TEQIP named as “**Modern Concretes - Driving Profit and Sustainability**” organized by VNRVJIET from 26<sup>th</sup> – 27<sup>th</sup> August, 2016.

## 5. Academic Contribution and Research & Consultancy:

### 5.1. Invited Lectures:

- Delivered an expert lecture on "Design of Road Geometrics - Horizontal Alignment using MX-ROAD" at AICTE sponsored One Week National Workshop on "**Traffic and Transportation Planning for Smart Cities**" organized by VNRVJIET from 20<sup>th</sup> – 25<sup>th</sup> November, 2017.
- Delivered an expert lecture on "Modelling driver behaviour at Yellow time at signalized intersections" at AICTE sponsored One Week National Workshop on "**Traffic and Transportation Planning for Smart Cities**" organized by VNRVJIET from 20<sup>th</sup> – 25<sup>th</sup> November, 2020

### 5.2. Articles/Chapters published in Books: 04

Authous	Paper title	Book chapter	ISBN
Chintawar Nirnay, Teja Tallam, K. M. Lakshmana Rao	Calibration of Fundamental Flow Model for Pedestrian Sidewalks in Urban Areas	Advances In Civil Engineering	ISBN: 978-981-15-5643-2
Teja Tallam, Harshini Yallabandi, Naveen Kumar	Determination of Level-of-Service for Public Transport: A Case Study for Hyderabad Metro	Advances In Civil Engineering	ISBN: 978-981-15-5643-2
TejaTallam, Bhukya Bhadru	Development of Speed Prediction Models for Different Categories of Roads	Advances in Geotechnical and Transportation Engineering pp 59-67	ISBN: 978-981-15-3662-5
Sai Prasanna Reddy, Teja Tallam, K M Lakshmana Rao	Calibration of Pedestrian Flow Model using Greenshield's Macroscopic Stream model for Signalized intersection	Advances in Geotechnical and Transportation Engineering pp 101-111	ISBN: 978-981-15-3662-5

### 5.3. Books published as single author or as editor: Nil

### 5.4. Projects Guided:

- UG: Guided 32 B.Tech Students
- PG: Guided 15 M.Tech projects (12 completed)

### 5.5. Research Interests: Pavement Material Characterization, Traffic Modelling & Traffic Safety

### 5.6. Ph.D students:

- Enrolled: Nil
- Submitted: Nil
- Awarded: Nil

### 5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	National/ International
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1	Evaluation of rutting characteristics on warm mix asphalt with inclusion of fibers	i-manager's Journal on Material Science, Vol. 31 No. 31 October - December 2015	ISSN: 2347-2235	National
2	Speed Profile Analysis At Speed Breakers On An Urban Road	December 2016 – February 2017 issue of i- manager's Journal on Civil Engineering	ISSN: 2347-2235	National
3	Pedestrian Delay Modelling Using Vissim At Mid Block	Indian Road Congress, Volume: 46 Number: 8 Page No:33-45, August, 2018	ISSN 0376-7256	National
4	"Study of Pedestrian Flow Parameters for Urban Signalized Midblock"	Volume 6, Issue 5, PAGE:278-286, May 2019, JETIR	ISSN-2349-5162	International
5	Determination of Pedestrian Level Of Service At Signalized Midblock Locations For Mixed Traffic Conditions	International Journal of Recent Technology and Engineering (IJRTE)', Volume-8 Issue-5, January 2020. Page No. 2751-2755.	ISSN: 2277-3878 (Online)	International
6	Characteristics Of Laboratory Produced Hard Grade Bitumen With Gilsonite Modification	International Journal of Technical Research & Science, Volume IV Issue XI,Pg:10-15, November 2019	ISSN No.: 2454- 2024	International
7	Analysis And Development Of Noise Prediction Model	JOURNAL OF CRITICAL REVIEWS Volume 7, Issue 11,2020	ISSN- 2394-5125	International
8	Vehicular Delay Modelling For Mixed Traffic Conditions At Signalized Intersections	Kala Sarovar Vol-23 No.02(II) July-September 2020	ISSN- 2394-5125	International

9	Calibration Of Fundamental Flow Model For Pedestrian Crosswalks At Un-Signalized Intersection For Mixed Traffic Conditions	Seybold Report Journal VOLUME 15, ISSUE 9 - 2020 – S.No.12	ISSN:1533-9211	International
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5.8. Papers presented at National / International Conferences Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Trip generation model for a sub-urban region in Hyderabad city	IC-ISE	National	2015
2	A Modified Approach to Estimate Walkability Index – A Case Study	3rd Conference of Transportation Research Group of India	International	2015
3	Assessment of Stone Mastic Asphalt Performance with the Inclusion of Fiber Material on Resilient Characteristics	TPMDC	International	2016
4	Calibration of Fundamental Flow Model for Pedestrian Crosswalks at Signalized Urban Intersection	CSTEM – NITW	National	2018
5	Calibration of Fundamental Flow Model for Pedestrian at Mid-Block Sections on an Urban road	TREES-2018	National	2018
6	A Review Paper On Pedestrian Level Of Service At Mid Blocks Under Mixed Traffic Conditions	TREES-2018	National	2018
7	Pedestrian-Vehicle Conflict Analysis At Crossings – A Review Paper	Innovations in Civil Engineering Through Sustainable Technologies (NICEST'19)	National	2019
8	Estimation of Pedestrian Level of Service at Unsignalized Intersection under Mixed Traffic Conditions	Innovations in Civil Engineering Through Sustainable Technologies (NICEST'19)	National	2019
9	Level Of Service (Los) Of Public Transport Using Fuzzy Logic: A Case Study On Hyderabad Metro	Recent Issue in Civil Engineering and Sustainable Solution” (RICESS 2019)	National	2019
10	Applying Support Vector Classifiers For Analysis Of Pedestrian	IEEE Indicon	International	2019

	– Vehicular Conflicts At Unsignalized Crosswalk			
11	Estimation Of Dwelltime Model For Initial And Interchange Stations Of Public Transport	ICCMSSSD	International	2020
12	Estimation of Pedestrian Level of Service along Sidewalks	ICCMSSSD	International	2020
13	Prediction of Short term Traffic Volume for an Urban Road at Hyderabad	ICCMSSSD	International	2020
14	Application of Machine Learning Techniques in Delay Modelling for Heterogenous Signalized Intersections	IEEE ISMAC 2020	International	2020
15	Development of Traffic Noise Prediction Model Under Uninterrupted Conditions of Urban Areas	ICRDSI	International	2020
16	ANN based Study to Investigate the Parameters Influencing Collision Type on a Four Lane Divided National Highway	IEEE ISMAC 2020	International	2020
17	Analysis of Urban Traffic Bottleneck in Hyderabad city using Machine Learning Techniques	IEEE ISMAC 2020	International	2020
18	Predicting driver's decision- making behaviour in Amber phase using ML techniques	IEEE ISMAC 2020	International	2020
19	Estimation of Delay by VISSIM for Heterogenous Signalized Intersections	ICRDSI	International	2020
20	Short Term Predictions of Traffic Flow Characteristics using ML Techniques	IEEE ICECA 2020	International	2020

#### 5.9. Sponsored research Projects: Nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
	Nil				

#### 5.10 Consultancy Projects: Nil

S.No	Title	Agency	Period	Sanctioned Amount (Rs)	Ongoing / Completed
1	Percentage of bitumen extraction	VnrVjiet	2015	1200	Completed
2	GHMC – Quality control	Vnr Vjiet			Ongoing

### 6. Awards / Honors received:

- Scored 737 rank in GATE2011 exam.

### 7. Motto:

Imparting up-to-date knowledge to students with moral values and professional ethics.