Maripini Himabindu

Research Scholar, Department of Civil Engineering, IIT Madras, Chennai.

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Academic profile

PhD	Indian Institute of Technology Madras Chennai, Tamil Nadu	Jul 2016- Continuing
M. Tech	Indian Institute of Technology Bombay Mumbai, Maharashtra	Jul 2012 - Jul 2014
B. Tech	Jawaharlal Nehru Technological University Anantapur, Andhra Pradesh	Sep 2008 - Jun 2012

Research Projects

PhD Jul 2016- Continuing
Adaptive Traffic Control Systems for India
Guide(s): Dr. V. Lelitha Devi, Associate Professor, Department of Civil Engineering, IIT Madras; Dr. Bhargava Rama Chilukuri, Assistant Professor, Department of Civil Engineering, IIT Madras.

Master of Technology Jul 2012- Jul 2014
Evaluation of Transit System for Last Mile Connectivity: A Case Study of Navi Mumbai
Guide : Prof. K. V. Krishna Rao, Department of Civil Engineering, IIT Bombay.

Bachelor of Technology Sep 2008 - May 2012
Analysis and Design of Syphon Aqueduct
Guide: Asst Prof. R. Bhavani, Dept. of Civil Engineering, JNTU Anantapur.

Professional Experience

Indian Institute of Technology Madras July 2016 - Continuing
Teaching Assistant in Transportation Engineering
Assisted in courses: Traffic Flow Theory, Traffic Engineering Management, etc.,

CVR College of Engineering, Hyderabad July 2015 - 2016
Lecturer in Civil Engineering
Lectured on Strength of Materials, Transportation Engineering

Indian Institute of Technology Bombay July 2012 - 2014
Teaching Assistant in Transportation Engineering
Assisted in courses: Urban Transportation Systems Planning, Traffic Engineering, etc.,

Consultancy Projects Involved

Larson & Toubro Technology Services, India   Mar 2017 - Continuing
Enhanced Traffic Mobility using Signal Improvements, Chennai.

TATA Realty and Infrastructure Ltd., India   Dec 2012 - June 2014
Ridership estimation on proposed mass transit corridorsin Bandra Kurla Complexand Goregaon, Mumbai, worth Rs. 1 Billion.

BMC (Brihanmumbai Municipal Corporation), India   Aug 2012 - June 2014
Peer Review of flexible (Asphalt and Paver block) and rigid pavement designs, Mumbai worth Rs. 5.5 Million.

CIDCO Ltd., and Delhi Metro Rail Corporation Ltd., India   Jul 2013 - June 2014
Development of Navi Mumbai Metro Trip Generation Model and Estimation of Traffic on the proposed metro routes for future scenarios.

Central Road Research Institute and   Jul 2013 - June 2014
Council of Scientific & Industrial Research

Data collection and extraction on Roundabouts for development of Indian Highway Capacity Manual worth Rs.110 million sponsored by Planning Commission of India in 12th Five Year Plan.

GMR Infrastructure Ltd., India   Jul 2012 - June 2014
Ridership study for Mumbai Trans Harbour Link, Mumbai, worth Rs. 100 Billion.

Software Skills

Transportation Softwares: PTV VISSIM, KenPave, CUBE (VOYAGER).
Programming Languages: MATLAB.
Microsoft Office Suite, LaTeX.

Publications

1. **Himabindu, M.**, M. Badhrudden and L. Vanajakshi. Analysis of Indian Traffic Characteristics Using Automated Sensor Data. *Conference Transportation Systems Engineering and Management (CTSEM 2017)*, Anna University, Chennai, India, 12-13 May 2017. (CD-ROM)

2. Khadhir, S. H., **M. Himabindu**, S. Sukanya, L. Vanajakshi and B. R. Chilukuri. A Comparative Study of Delay Estimation Methods at Signalized Intersections. *Conference on Recent Advances in Traffic Engineering (RATE 2018)*, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, India, 11-12 August 2018. (Under Review)

Professional Activities

1. Member, Organizing Committee, TPMDC'12, IIT Bombay.
2. Member, Organizing Committee, Training Course on PMGSY'12, IIT Bombay.
3. Companion, Institute Student Companionship Programme (ISCP), IIT Bombay.
4. Member, Organizing committee, RACE'12, JNTU Anantapur.
5. Sergeant, 6(A) Girls BN'12 Anantapur, NCC.

Awards and Honors

1. Award for Academic Excellence by The Indus Foundation at Indo Global Education Summit - January 2013.

Workshops Attended

1. 'Workshop on Smart Mobility: Indian Needs Meet International Aspirations' (20th April, 2018.
2. 'Workshop on Big Data Analysis For Transportation Engineering Systems' (5th - 6th Dec., 2016.

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