

Preetham Reddy Mannem

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EDUCATION:

- **Master of Science in Construction Management, (Expected Graduation date: December 2015), GPA: 4.0**
University of Arkansas at Little Rock, Arkansas, USA.
- **Master of Technology in Transportation Engineering (Distinction)**
Jawaharlal Nehru Technological University, INDIA (2009)
- **Bachelor of Technology in Civil Engineering (First class)**
Kakatiya Institute of Technology & Science, INDIA (2006)

WORK EXPERIENCE:

- (1) **Graduate Teaching Assistant** **September 2014- Present**
Department of Construction Management, University of Arkansas at Little Rock
- (2) **Traffic & Transportation Engineer** **July 2010-July 2014**
Hyderabad Metropolitan Development Authority (HMDA), Hyderabad, India.
 - Cost Estimation for Road Projects
 - Quality Control Tests for Road Projects.
 - Project scheduling.
 - Comprehensive Transportation Study (CTS) project for Hyderabad Metropolitan Area (HMA): As a part of Immediate Action Plan (IAP) in CTS, conducted all traffic related surveys in "Area Level Management Plan".
 - Design of Flexible Pavement for Road projects.
- (3) **Mathematics Teacher** **August 2006-September 2007**
Sacred Heart High School, Hyderabad, India.

RESEARCH PROJECTS:

(1) Traffic Accident Modeling and Identification of Risk Generating Factors in Hyderabad City:

- Using Multiple Linear Regression mathematical modeling identified the major risk generating factors in road accidents in the Hyderabad city, India.
- Suggested remedial measures to mitigate road accidents.

(2) Feasibility Study for Bus Rapid Transit System (BRTS) on Inner Ring Road (IRR), Hyderabad, India.

- Prepared a detailed project report including physical surveys conducted on whole corridor of 15km.
- Suggested the feasible routes to operate BRTS on Inner Ring Road (IRR)

(3) Comprehensive Transportation Study (CTS) for Hyderabad City, India:

- Using AutoCAD digitized the four areas in the city and developed the proposed junction improvement drawings, corridor improvement drawings.

TECHNICAL SKILLS:

Software Applications : Microsoft Office

Operating Systems : Windows, Linux

Packages : AutoCAD.

HONORS AND AWARDS:

- Received **Graduate Teaching Assistantship** in Construction Management Department, University of Arkansas at Little Rock
- Participated in several National level and department level Technical Symposiums, India.

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