

# DETAILS OF RESEARCH SCHOLAR

## Anush K.C.

### *Doctoral Research Scholar*

Transportation Engineering Section  
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## EDUCATIONAL DETAILS

Examination Passed/ Qualified	Discipline	Institution	Year of Passing
M.Tech	Transportation engineering	IIT Kharagpur	2014
B.Tech	Civil Engineering	B.M.S. College of Engineering, Bangalore	2012
Intermediate(+2)	Maths, Physics and Chemistry	Sri Chaitanya Jr. kalasala	2008

## PhD

Dissertation title: Development of mix design specifications for pervious concrete in pavement applications

## M.TECH PROJECT

Thesis title: *“Planning of cross pedestrian facilities in urban areas”*

## B.TECH. PROJECT

Thesis title: *“Seismic evaluation of reinforced hollow concrete masonry building model”*

## RESEARCH INTERESTS

- Sustainable pavement engineering and construction practices
- Advanced pavement materials characterization
- Pavement design and evaluation

## PUBLICATION

### *Journals*

1. **Anush K. Chandrappa**, and Krishna P. Biligiri, *Prediction of pavement surface temperatures and heat energy flux using climatological factors (under review)*.

Future of Cities

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2. **Anush K. Chandrappa**, Kinjal Bhattacharyya, and Bhargab Maitra, *Measures for Improving Pedestrian Crossing Facilities based on Perceptions of Urban Commuters: An Experience in Kolkata (under preparation)*.

### **Peer-Reviewed Conferences / Presentation**

1. **Anush K. Chandrappa**, Kinjal Bhattacharyya, and Bhargab Maitra *Measures for Improving Pedestrian Crossing Facilities based on Perceptions of Urban Commuters: An Experience in Kolkata*, 94<sup>th</sup> Annual Meeting, Transportation Research Board of the National Academies, Washington, DC., USA, January 2015 (accepted for presentation).

2. **Anush K. Chandrappa**, Ashwin K. Thammaiah, Pratyusha M. Naik., and Srikanth P. *Seismic Evaluation of Reinforced Hollow Concrete Block Masonry Building Model*, Presentation at SDM college of Engineering, Ujire, Karnataka, India, organized by Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bangalore, INDIA, 14 July 2012.

## EXPERIENCE

### **Research**

**Doctoral Research Scholar**, Department of Civil Engineering, Indian Institute of Technology Kharagpur, West Bengal, INDIA (2014 – Present)

- Developed pavement surface temperature model using climatological factors
- Conceptualized estimation of heat energy from pavement layers
- Designed laboratory setup for the estimation of evaporative cooling effect of pavement
- Mentoring M.Tech students and B.Tech students for their project

**M. Tech**, Department of Civil Engineering, Indian Institute of Technology Kharagpur, West Bengal, INDIA (2012-14)

- Characterization of different types of bituminous emulsions used in cold mixes
- Proof Checking of pavement design for 4-laning of MP/ UP border- Rewa Road in the State of Madhya Pradesh on Design, Build, Finance, Operate and Transfer basis
- Casting and testing of chemically modified soil beams for fatigue life evaluation
- AutoCAD drawings for IRC:SP:62-2014 “Guidelines for Low Volume Concrete Roads”, Indian Roads Congress (IRC), New Delhi, India
- Laboratory Characterization of different types of unmodified and modified bitumen