

Chithira Unnikrishnan M K

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Address: 37/1137 (A), "Theertha", Krishnan Nair Road, Karuvissery (PO), Malikkadavu,
Kozhikode - 673010, Kerala, India

Aspiring transportation engineer trying to discover my potential through exploring the research community and delivering novel ideas into execution.

Educational Background

Degree	University/Board	Institute	Year of Passing	CGPA/%
M Tech Transportation Engineering	National Institute of Technology, Rourkela	National Institute of Technology, Rourkela	2021	9.67/10.0
B Tech Civil Engineering	University of Kerala	College of Engineering, Trivandrum	2018	7.73/10
Higher Secondary (12 th)	CBSE	B V Bhavans Vidya Mandir	2014	95.8/100
Matriculation (10 th)	CBSE	Devagiri CMI Public School	2012	10.0/10.0

Academic Projects & Internships

Master's Project | Guide: Dr. P K Bhuyan 2021

Title: Modeling of Level of Service of Motorized Two-Wheelers on Urban Segments Under Heterogeneous Traffic Flow Conditions

- Modeling of LOS of two wheelers on urban roads using various statistical tools and neural network technique.
- Working proficiency in SPSS, MATLAB and knowledge on few machine learning techniques were acquired in the course of development of LOS models from two wheeler users perspective.

Master's Seminar | Guide: Dr. P K Bhuyan 2020

Title: Integration of Last Mile Connectivity with Public Transportation

- Case study of how the concept of last mile connectivity structured by Unified Metropolitan Transport Authority – Kochi might be able to bridge the gap between first/last mile and the mass transit system is the core of the paper.
- Knowledge of practical implementation of sustainable network was gained by researching about an existing problem and solution in an urban city.

Bachelor's Project | Guide: Dr. R Padmakumar 2018

Title: Crash Forensics

- Approach to solve safety issues by accident recreation through software simulation to identify the cause of accidents and to suggest safety measures and design aspect of the highways.
- Working proficiency in VIRTUAL CRASH 3 simulation software was gained along with comprehension of accident studies and analysis.
- Recommendations proposed in association with Transportation Engineering Research Centre (TRC) with respect to safety and design aspects were received well by the concerned authorities.
- Received an award for the Best UG Project at college level in College of Engineering, Trivandrum in INNOV EXPO -2018

Title: Highway Drainage Systems and Water Logging Problems

- Study about important requirements of highway drainage system.
- Types of drainage system for different roads and water logging problems in Trivandrum city was studied.

Internships

1. Intern at The Uralungal Labour Contract Co-operative Society Ltd., Kozhikode 2017
First hand site exposure in piling, over – bridge construction and maintenance of buildings were acquired during a week-long internship.
2. Industrial Visits 2015-2017
Industrial and site visits to Peppara dam, Aruvikkara water treatment plant, POABS M-Sand manufacturing unit in Trivandrum and DMRC in Delhi.

Skills

Software Tools		Languages
Working Proficiency	Knowledge	
MS Word MS Excel MS PowerPoint MATLAB SPSS AutoCAD V – CRASH 3 ArcGIS	BIM REVIT Python	English Malayalam Hindi

Academic Achievements & Certificates

- 2020 Completed course on Introduction to Multimodal Urban Transportation offered by IIT Kharagpur
- 2020 Completed course on BIM Fundamentals for Engineers offered by National Taiwan University
- 2020 Completed course on Introduction to GIS Mapping offered by University of Toronto
- 2019 Qualified GATE-2019 with score of 530
- 2018 Won InnovExpo-2018 Best UG Project Awards (LighthouseCET-1991 batch)
- 2016 Secured second prize in Pantheon 2.0 for Model Exhibition of “MOSE Tidal Barrier System at Venice”

Referees

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| 1. Dr. P K Bhuyan
Assistant Professor
Department of Civil Engineering
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