

RAJAPREETHA RAVICHANDRAN

PROFESSIONAL SUMMARY

An analytical engineering postgraduate and experienced lecturer passionate to have a breakthrough in the engineering field with a strong background in **Traffic engineering and transport planning**. Devoted to promote economic growth and possess the capacity to support teams for developing a new era in the field of engineering. Experienced in leading academic research projects to deliver cost-effective energy measures and cost savings. Reliable team member with a personable nature and positive communication style

WORK HISTORY

Assistant Professor

June 2016 - April 2018

Akshaya College of Engineering & Technology

Tamilnadu, India

Roles and Responsibilities

- Evaluated and supervised student activities and performance levels to provide reports on academic progress
- Directed students in the execution of technical project model using numerous composites in concrete blocks
- Assisted many students to project a model of railway stations, smart city, trusses, beams, columns, different types of dams, etc.,
- Mentored students and communicated internship and employment opportunities
- Applied innovative teaching methods to encourage student learning objectives
- Enlightened innovative ways to numerous students in making Jobs

Subjects Handled

- ✓ Mechanics of Fluids & Applied Hydraulic Engineering
- ✓ Environmental Engineering-I & II
- ✓ Prefabricated Structures & Industrial waste management
- ✓ Engineering geology
- ✓ Soil Mechanics & Foundation structures



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Cheras, Kuala Lumpur

EDUCATION

M.E.: Infrastructure
Engineering (April 2016)
PSG, Coimbatore
(Tamilnadu, India)
First Class

B.E.: Civil Engineering
(April 2014)
GCE Salem
(Tamilnadu, India)
First class with distinction

SOFTWARES EXPERTISE

- ✓ AutoCAD
- ✓ STAAD.Pro
- ✓ Primavera
- ✓ TCSion
- ✓ REVIT Structure

CORE SUBJECTS IN POSTGRADUATION


Traffic engineering and
Transport planning
GIS & Remote sensing
Structural steel and RC
Design
Pavement analysis design &
evaluation

IELTS CERTIFICATION

Overall	7.0
Listening	8.0
Writing	6.5
Reading	6.0
Speaking	6.5

LANGUAGES

Tamil: Native language

English: C2

Proficient

Telugu: B2

Upper intermediate

Hindi: A2

Elementary

PERSONAL DETAILS

Nationality	Indian
DOB	28.09.1992
Marital status	Married

INTERNSHIPS

Name of the Industry	Areas of Exposure
IT OFFICE, Salem	Utilization of various building materials during its alterations
IIHT, Salem	Requirements and laying of different types of foundation
SAKA REALS, Chennai	Field & lab procedures of construction
CMRL, Cochin	Construction methodology adopted while laying girders

ACCOMPLISHMENTS

- Published an International Journal in Natural Volatiles & Essential Oils.
- Presented a paper entitled “Experimental Investigation on Bagasse Ash and steel fiber reinforced concrete” in second National conference on Recent Innovations in Civil Engineering and Technology - RICET 2018
- Presented a paper entitled “Experimental Investigation on Buckling Behavior for Seismic Retrofitting of RC Column using CF & GF” in Fifth International Conference in Current Trends in Engineering and Technology - ICCTET 2018
- Presented a paper entitled “Study on Performance of Fresnel lens for Thermal Efficiency and Water Disinfection” in Proceedings of National Conference on Innovations in Concrete and Construction – ICON 2018

TECHNICAL SKILLS

- FDTP on **Prefabricated structures** organized by Anna university in Nehru Institute of Technology, Coimbatore
- One Day Workshop on concepts and advances in **Aseismic design of structures** organized by Info Institute of Engineering, Coimbatore
- Participated in FDTP on **Strength of Materials** organized by Akshaya College of Engineering and Technology, Coimbatore