

RAVI SHANKAR. S

Scientist

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- AREAS OF INTEREST** ➤ **Transportation Geo techniques:** Soil anchors in (Geosynthetic) reinforced soils - FE Modelling and Experimental Solutions.
- **Concrete pavements:** Performance Based Design with increased durability and enhanced surface characteristics - High Speed Concrete Pavement Rehabilitation and Construction - Utilisation of Waste and By-product Materials in Concrete pavements.

EDUCATIONAL QUALIFICATION

Degree	Year of Passing	Board/ University/ Institution	Subject	Division
PhD		IIT Madras	Geotechnical Engineering	Pursuing
M.E	2014	Anna University	Transportation Engineering	I st Class with Distinction
B.E	2012	TEC, Anna University.	Civil Engineering	I st Class

PROFESSIONAL EXPERIENCE

Position	Name Of Organisation	From	To	Type of Work
Scientist 'C'	CSIR-CRRI	2017		Research & Development
Project Officer	Civil Department-IIT Madras	2015	2017	Research
Assistant Professor	SRM University, Chennai	2014	2015	Research & Academics

MEMBERSHIP TO PROFESSIONAL BODIES

- Indian Geotechnical Society (IGS)
- RILEM : International Union Of Laboratories and Experts In Construction Materials, Systems and Structures

HONOURS & AWARDS

- Received **Gold Medal** (Late R. Thillainayagam Endowment Award) for securing the maximum marks in M.E. Transportation Engineering , Anna University – April 2014.
- Received **Gold Medal**, (Prof.G.M. Andavan Award) for Best & Innovative project Work in Transportation Engineering – June 2014.

RESEARCH PROJECTS

- **AN INVESTIGATION ON FOAM CONCRETE WITH QUARRY DUST REPLACEMENT FOR FILLER:** An experimental study on lightweight concrete without coarse aggregates, by using stabilized air bubbles (foam concrete) with quarry dust as partial filler material. The main objective is to replace the burnt clay bricks with foam concrete blocks effectively and economically. (2011-12)
- **FOAMED BITUMINOUS MIXES FOR INDIAN ROAD CONDITION:** A Research work on Foam bituminous technology followed by the development of a stable mix design method for foamed bituminous mixes, with effective use of RAP suitable for Indian road condition. (2012-13)
- **DYNAMIC BEHAVIOUR OF ANCHOR PLATES IN GEOSYNTHETIC REINFORCED SOIL:** Experimental study to analyse the performance of plate anchors in geosynthetic reinforced clay under seismic/dynamic condition. (2015*)

Consultancy

- Feasibility Study of Foundry Sand waste materials for road construction : (2017-18)
- Mitigation measures for FOD on rigid pavement at VSI- Airport, Port Blair – (2018)

Conference

- Attended “ International Conference on Advance in Construction Materials and Systems “ ICACMS 2017 conducted by RILEM from Sep 03-08,2017 at Hotel Lela palace, Chennai.

Research Publication

- K.Prasanna , K.S. Anandh, S.Ravishankar “**An Experimental Study on Strengthening of Concrete Mixed with Ground Granulated Blast Furnace Slag (GGBS)**” ARPN Journal of Engineering and Applied Sciences, April 2017, Vol12 (8), 2439-2444(SCOPUS).