



EDUCATION

Program	Institution/Board	%/CGPA	Year of completion
Ph.D. in Civil Engg.	IIT Madras	8.7/10	Pursuing
M.E in Transportation Engg.	Anna University	8.71/10	2018
B.E in Civil Engg.	Anna University	8.51/10	2015
XII	Sakthi Matric Hr.Sec School	94.5%	2011
X	Ayyanar Matric Hr.Sec School	80%	2009

OBJECTIVE

- To strive towards excellence and make significant research contributions in Transportation Engineering.

SCHOLASTIC ACHIEVEMENTS

- Selected for ASSISTANT MANAGER (CIVIL)- Scale I in Indian bank.
- Ranked within the top 10% of the class (having the strength of 250) in XII – 2011
- Secured First class with Distinction in both bachelor's and master's Degree

SOFTWARE SKILLS

- KENPAVE, IITpave, Origin
- Matlab, Design expert
- HDM4, ERP (Hit office construction management software)
- AutoCAD, STADD Pro

PROJECTS

- Ph.D. THESIS** (Aug 2019)
Title: Design Procedure for Roller Compacted Concrete Pavements
Description: To develop a design methodology for Roller Compacted Concrete Pavements using a gyratory compactor by simulation field condition.
- PG PROJECT** (JAN 2018)
Title: Evaluation of Strength and Permeability of Pervious Concrete Pavement
Description :
 - Determined the Compressive Strength, Flexural Strength, Split Tensile Strength, Density, void ratio, and permeability of pervious concrete pavement with partial replacement of fine aggregate
 - Evaluated the cost comparison between conventional concrete, pervious concrete with partial replacement of fine aggregate.
- UG PROJECT** (JAN 2015)
Title: Efficiency of foam concrete with partial replacement of fly ash and bagasse ash
Description: In this project, the physical and mechanical properties of foam fly ash concrete was studied and compared with foam bagasse ash concrete

PROFESSIONAL EXPERIENCE

- Worked as ADHOC faculty in National Institute of Technology, Tiruchirappalli (AUG 18 - MAY 19)
 - Courses Handled
 1. Advanced Highway Material - M.Tech Transportation Engg.
 2. Design of Steel Structures - B.Tech Civil Engg.
 3. Railways, Airport and Harbour Engg - B.Tech Civil Engg.
 4. Design of Reinforced Concrete Design- B.Tech Civil Engg
 5. Comprehensive Viva - B.Tech Civil Engg
 6. Basics of Civil engineering - B.Tech ECE, Production Engg.
 - Laboratory Handled
 1. Pavement Engineering laboratory - M. Tech Transportation Engg.
 2. Strength of Materials laboratory - B. Tech Civil Engg.

PUBLICATIONS

- Debbarma, S., Selvam, M., & Singh, S. (2020). Can flexible pavements' waste (RAP) be utilized in cement concrete pavements?—A critical review. *Construction and Building Materials*, 259, 120417.

CO-CURRICULAR ACTIVITIES

- Member of Indian Concrete Institute
- Organized the Transportation Systems Engineering and Management (CTSEM-2018) Sponsored by TEQIP-III.
- Organized the MOMENTS, a technical symposium in the National Institute of Technology, Tiruchirappalli.

TRAINING PROGRAMS

- Participated in the one-week GIAN course, Design and Constructive Of Sustainable Concrete Pavement, IIT Madras conducted during 09 -13th December 2019

EXTRA-CURRICULAR ACTIVITIES

- Won 1st prize in district level football tournament.
- Won 3rd prize in district level Athletics.
- Attended one-month sports camp organized by SDAT (Sports Development Authority Of Tamil Nadu) for an eminent sportsman.

INTERNSHIP

- Undergone one-month internship at Alankar construction and promoters, Chennai, in the area of Site supervising, Inventory management, Estimation, and ERP.

- Undergone One-month internship at Highways Department for the Construction of grade separator in Kolathur Irattai Eri.

PERSONAL DETAILS

Date of Birth	14 th June ,1994
Languages Known	English, Tamil
Correspondence address	Department of Civil Engineering, IIT Madras, Chennai, TN, 600036
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REFERENCE

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DECLARATION

I hereby declare that all the details furnished above are true to the best of my knowledge