V.Mukesh Vashan
Scientist
Bridge Engineering and Structures
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Summary

Professional expertise at analysis, design, and evaluation of bridge structures. Actively engaged in research advanced bridge systems, including the design and application of advanced composite materials for Bridge Superstructures. Experienced in handling advanced software for design and analysis of bridges. Having strong research experience at Repair, Rehabilitation and Strengthening of Corroded RC Structures with FRP-Issues Challenges and Success Stories, Structural Assessment of Structural Capacity of Corroded RC Elements Before and After FRP External application, Assessment of structural capacity of RC elements using empirical equation incorporating NDT techniques, Residual Axial Capacity of Impact Borne Reinforced Concrete Elements. Currently working in the application of various composite material for Bridge Superstructures as per IRC : 112.

Educational Qualification

Class	University/Institutions	Subject
Ph.D [OnGoing]	AcSIR – Central Road Research Institute	Bridge Engineering
Master of Engineering	BSARCIST, Chennai	Structural Engineering
Bachelor of Engineering	BSARCIST, Chennai	Civil Engineering
Intermediate	Kendriya Vidyalaya	Mathematics, Physics, Chemistry, Computer Science, English
High School	Kendriya Vidyalaya	Sanskrit, Mathematics, Science, Social Science, English

Areas of Work

Design and Analysis of Light Weight Bridge Superstructures
Application of Advanced Composite Materials for Bridges: Issues Challenges and Success Stories for Indian Conditions
Estimation of Structural Capacity of Corroded and Retrofitted RC Elements for Bridges

Key Technical Skills

Bridge Structural Analysis, Finite Element Methods (FEM), Design Codes (IRC)

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