

Shivakumar K S

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Educational Qualification

Degree	Specialization	Institute	Percentage/ CGPA
M.Tech	Structural Engg	NITK, Surathkal	FCD
B.E	Civil Engg	UVCE, Bangaluru University	FCD
XII	Science	Royal Composite PU College	FC
X	Science	Delegence High School	FC

Industry Internships

Roy and Shenoy consultancy firm, Mangalore.

- Carried out Analysis and Design of Pre-Engineered Steel Building(PEB) for Oil Refinery Industry at Baikampady Industrial Area, Mangaluru, Karnataka.

Project during M.Tech

- Performance Characteristics of Polymer Incorporated Concrete Mixes Using High Density Aggregates, sponsored by The Board of Research in Nuclear Sciences (BRNS-BARC) is an advisory body of the Department of Atomic Energy (DAE).

Qualified GATE Exam four times

Programming/Softwares Skills

- OpenSees - <https://opensees.berkeley.edu/>
- STAAD Pro - <https://www.bentley.com/en/products/product-line/structural-analysis-software/staadpro>
- SAP 2000 - <https://www.csiamerica.com/products/sap2000>
- ETABS - <https://www.csiamerica.com/products/etabs>
- MATLAB - <https://in.mathworks.com/>
- Python - <https://www.python.org/>

Areas of Interest

- Nonlinear Structural Analysis
- Earthquake Resistant Structures

Publications (SCI & others)

- 1) Santhosh M. Malkapura, Shobha S. Ghodke, P.N.Sujatha, Yashoda Singh, K.S.Shivakumar, Meghanath Sen, Mattur C. Narasimhan and Abhishek V. Pulgure. Waste-Polymer Incorporated Concrete Mixes For Neutron And Gamma Radiation Shielding, *Progress in Nuclear Energy, Elsevier-ScienceDirect*, Volume 135, May 2021.
- 2) Shiva Kumar K S, Shashank M N, Tarun Kumar B K, Karthik S and Pallavi H J, Mitigation Methods to Control Traffic Induced Vibration on Mono-Column Structure, *International Conference on Sustainable Infrastructure: Innovation, Opportunities and Challenges-2023 (SIIOC-2023)-NITK*,
- 3) Pavan Sampath B, Yashwanth KS, Shiva Kumar KS and Pallavi HJ, Performance Study of Stiffness Variation Along the height of Building, *International Conference on Condition Assessment, Rehabilitation & Retrofitting of Structures (CARRS 2023)*, **IIT-H**. <https://civil.iith.ac.in/CARRS-2023/index.html>
- 4) Zaid Bin Tariq, Vijay Kulkarni and Shiva Kumar KS, Retrofitting of a Residential Building After Increasing One Storey: A Case Study and Recommendations, *International Conference on Condition Assessment, Rehabilitation & Retrofitting of Structures (CARRS 2023)*, **IIT-H**. <https://civil.iith.ac.in/CARRS-2023/index.html>

Faculty Development Program/Workshops Conducted

- Conducted and Worked as **Co-coordinator** for Two weeks Faculty Development Program on “**Ethics in Education-Faculty Student Transformation**” which was held at Global Academy of Technology from nov 6th to nov 19th 2017, Sponsored by AICTE-5Lakhs
- Conducted and Worked as **Co-coordinator** for One week Faculty Development Program AICTE Training and Learning (ATAL) Academy Sponsored in offline mode on “**Applications of Advanced Technologies in Disaster Management**” which was held at Global Academy of Technology from 20th to 25th November-2023, Sponsored by AICTE-3.5Lakhs
- Program **Coordinator** for National Level Workshop on “**Innovative Design and Construction Practices in Highways, Bridges and Flyovers**” conducted at Global Academy of Technology from March 15th -17th, 2017
- Program coordinator for seminar on “**Seismic Isolation of structures**” in association with **The Japan Society of Seismic Isolation (JSSI)** and **Structural Engineering World Congress (SEWC)** conducted at Global Academy of Technology from october 30th -1st Novemebr, 2017

Professional Membership

- Life Member To ACCE(I) – Co-opted member of ACCE(I)-Bengaluru chapter,
- Life Member To ISTE
- Life Member To INSDAG - IINDVM-L-356
- IEI-(Membership No: M-1773059), Charatered Engineer

Declaration

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

Place: IIT-Madras

Date: 07-07-2025

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