SRI SAIRAM ENGINEERING COLLEGE

DEPARTMETNT OF CIVIL ENGINEERING

Name & photo	**Dr S SIVARAMAKRISHNAN**
Designation	ASSOCIATE PROFESSOR
Qualification	BE, ME, PhD
Area of specialisation	STRUCTURAL ENGINEERING
Experienece	TEACHING UG: 15 years PG: 4 year INDUSTRY:1 year
Number of conferences/workshop/FDP attended	WORKSHOP: 5 NATIONAL: 2 CONFERENCE: 2 FDP: 12 STTP: 2 WEBINAR: 20
Email	Sivaramakrishnan.civil@sairam.edu.in
Membership	ICI, ISTE, IEEE
ACHIEVEMENT	Produced 100% results in Anna university theory examination Repair and Rehabilitation of structure, Prefabricated structure, Estimation and Quantity surveying, Surveying II.

Publications:

1. Study on the photovoltaic panel using nano-CeO2/Water-based Nanofluid, International journal of interactive design and manufacturing, accepted on 7th October 2023.

2. Study of degree of saturation in durability models of reinforced concrete for chloride attack, materials today proceeding, available online from 26 August 2023.

3. An Innovative IoT-Based System for Water Level Monitoring and Management in Dams European Chemical Bulletin. 2023, vol.12(Special Issue 6), Pages-2782-2803

4. Study on the characteristics of the ordinary concrete with the granite dust as a substitute for the fine aggregates, materials today proceeding, Volume 69 , Year 2022, Pages 739-743.

5. Experimental and Statistical Investigation to Evaluate Impact Strength Variability and Reliability of Preplaced Aggregate Concrete Containing Crumped Rubber and Fibres materials, Volume, Year 2022, Pages.5156.

6. Experimental investigation on use of recycled aggregate and waste plastic for manufacturing eco-friendly solid brick, AIP Conference Proceedings, Volume 2396, Year 2021

7. Experimental and numerical studies on the flexural behavior of fibre reinforced concrete beams with innovative hybrid FRP-wrapped steel bars, Journal of Asian Architecture and Building Engineering, Volume 20, Year 2021, Pages.520-532.

8. Flexural behavior of concrete beams reinforced with innovative FRP wrapped steel bars Journal Of Structural Engineering, Volume.46 , Year 2018, Pages 200-212.

9. Strength and Durability Performance of Fibre Reinforced Pavement Quality Concrete with Copper Slag as Fine Aggregate, SSRG International Journal of Civil Engineering, Volume 11 Issue 7, 28-35, July 2024.

10. Machine Learning Modeling Integrating Experimental Analysis for Predicting Compressive Strength of Concrete Containing Different Industrial Byproducts, Advances in Civil Engineering, Volume 2024, Article ID 7844854, 11 pages https://doi.org/10.1155/2024/7844854

11. An Evolutionary Gravitational Neocognitron Neural Network for Earthquake Parameters Observation in IoT System-Based Earthquake Early Warning, Journal of Earthquake and Tsunami (2024) https://doi.org/10.1142/S1793431124500167

12. A simplified approach for mix design of internally cured self-compacting concrete with flyash, Romanian journal of materials, 2025.

13. Influence of granite powder waste on the Flexural and micro structure morphology behaviour of reinforced concrete beams with Glass fiber reinforced polymer bars, Engineering reports, Wiley, 2025. https://doi.org/10.1002/eng2.70304

NPTEL course Completed

1. Advanced science and technology of concrete
2. Design of Reinforced concrete Structures
3. Structural Analysis I
4. Industrial Safety
5. Structural Dynamics
6. Integrated waste management for smart cities

7. Building material
8. Engineering geology
9. Modern construction materials
10. Data science for Engineers
11. Machine learning for core Engineers

Patents

1. A Bicycle Storage Rack With Solar Lighting Arrangement
   a. Date of filing: 06/07/2024
   b. Focus: solar light arrangement for bicycle
2. System and method for real time construction and civil engineering interfaces for building simulator generator and interior display
   a. Date of filing: 06/07/2024
   b. Building simulator generator
3. Sea water desalination using solar energy
   a. Date of filing: 03/02/2023
   b. Focus: Desalination process