

**SRI SAIRAM ENGINEERING COLLEGE**  
**DEPARTMENT OF CIVIL ENGINEERING**

|                               |                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Name &amp; Photo</b>       | <b>Ms.N.NISHA</b>  |
| <b>Designation</b>            | Associate Professor                                                                                   |
| <b>Qualification</b>          | B.TECH,M.TECH,(Ph.D)                                                                                  |
| <b>Area of Specialization</b> | CONSTRUCTION ENGINEERING AND MANAGEMENT                                                               |
| <b>Experience</b>             | <b>Teaching:</b><br><b>UG:</b> 15 Years<br><b>PG:</b> NIL<br><b>Industry:</b> NIL                     |
| <b>E-Mail</b>                 | nisha.civil@sairam.edu.in                                                                             |
| <b>Membership</b>             | IAENG-188457<br>ICI: OLM 11817<br>IEEE:000098102317<br>ISTE:LM131561                                  |
| <b>ATLMENTOR</b>              | 14102027                                                                                              |
| <b>Achievements</b>           | UNIVERSITY GOLD MEDALIST IN BOTH UG AND PG                                                            |

**PATENTS**

1. SUSTAINABILITY OF LIFE SAVING CONCRETE BLOCK BY USING PET BOTTLE IN CONSTRUCTION Inventor(S): Mrs.N.Nsha, SriSaiRamEngineering College,2026
2. Potential Resource Recovery From Municipal Solid Waste Using Refused Derived Fuel Inventor(S): Dr.S.BhagavathiPerumal,Mrs.N.Nsha,Ms.K,Vaidhegi,Dr.N.Suganya,Assignee:SriSaiRamEngineering College
3. ACyclePhoneHolderWithLightInventor(S):Dr.K.Maran,Dr.C.R.Senthilnathan,Mrs.N.Nisha,Mr.R. Mohammed Ashick Assignee: Sri Sai Ram Engineering College |
4. AsystemofcrackdetectioninretrofittedconcreteusinggeocompositeInventor(s):Ms.N.NishaAssignee:Sri Sairam Engineering College
5. AsystemforcatchmentscalemoisturefromsoilInventor(s):Ms.N.NishaAssignee:M.Sivaranjani/SriSairam Engineering College
6. PiezoelectricgeneratingtilesInventor(s):Ms.N.NIsha/SriSairamEngineering College

**PUBLICATIONS**

1. Predictive modeling of age-dependent strength in concrete incorporating GGBS, silica fume, and phosphogypsum using XGBoost, RandomForest,andWeibullanalysis Priya Velusamy1·Johnpaul V2·Nisha N3·SubbulakshmiT4·Kumaran N5· Ravindaran Thangavel6· Athibaranan S1 Received: 3 September 2025 / Accepted: 16 December 2025
2. ReviewingtheRoleofNano-alccofofineandSuperplasticizersinEnhancingMechanicalPropertiesofRecycled Concrete N. Nisha Journal of Environmental Nanotechnology (2025)

3. Soilless cultivation Ms.N.Nisha Assistant Professor, Sri Sai Ram Engineering College, Chennai Innovation for sustainable development , Vol. B16P1G028 (2023) , pp. B16P1G028
4. Assessment of quality of water bodies surrounding dumpyard (Tambaram & Chromepet); Ms.N.Nisha Assistant Professor , Sri Sai Ram Engineering College, Chennai Innovation for sustainable development , Vol. B16P1G024 (2023) , pp. B16P1G024
5. Energy generating tile using piezoelectric crystals Ms.N.Nisha Assistant Professor , Sri Sai Ram Engineering College, Chennai Innovation for sustainable development, Vol. B16P1G012 (2023), pp. ISBN 978-93-95196-79-6
6. Partial replacement of cement by using cashew nut shell, prosopis juliflora, carrot peel waste and potato peel waste vol. 9 (2022) , pp. Issn no : 1869-9391
7. A Case Study on Redevelopment Plan and Design of Chennai Anna Salai PSK. Nisha I International Journal of Trend in Scientific Research and Development ... A Case Study on Redevelopment Plan and Design of Chennai Anna Salai PSK (2022)
8. RETROFITTING OF M30 CONCRETE USING GEOTEXTILE COMPOSITE GISSCIENCE JOURNAL, Vol. 9 (2022) , pp. 2525
9. Investigation on Waste Plastic Sustainable Cellular Lightweight Concrete International Journal of Trend in Scientific Research and Development ... (2021)
10. A Study On Environmental Impact Assessment (Eia) For A Sugar Industry Ilkogretim Online -Elementary Education Online, , Vol. 19 (2020) , pp. 1713-1721
11. Experimental analysis on self-sensing characteristics of m30 concrete vol. Volume 2022, article id 5240115, 10 pages (2020) , pp. Volume 2022, article id 5240115, 10 pages
12. Eliminating greenhouse gas by carbon dioxide curing of concrete n nisha test engineering & management 83 (issn: 0193-4120), 7476 - 7479 eliminating greenhouse gas by carbon dioxide curing of concrete n nisha test engineering & management 83 (issn: 0193-4120), 7476 - 7479 (2020)
13. Performance evaluation of plastic granules and quarry dust as fine aggregate in m40 grade concrete mirnmt ganga ijrdo-journal of mechanical and civil engineering , vol. (0) , pp.
14. Retrofitting of RCC beams using glass fiber sheet and jute fiber sheet iira.m. Shanmuganathan p. Rajae. Manikandan k. Venkatesh r. Antony kishore ijarie 3 , vol. 3 (0) , pp. 2395-4396
15. Rice husk ash in ferrocement concrete Rice husk ash in ferrocement concrete N Nisha Gujarat Research Society , Vol. 17(0) , pp.
16. Experimental analysis on self-sensing characteristics of M30 grade concrete SN. Nisha I, K. Vaidhegi Ilkogretim Online - Elementary Education Online, 2020; [http://ilkogretim ...](http://ilkogretim...) (0)

**Workshop/Conferences/FDP attended:**

1. Participated in Faculty Development Programme on Next Gen structural modelling and Construction planning with TEKLA Conducted by Sri Ranganathan Institute of Engineering and Technology from 08/09/2025 to 12/09/2025
2. Successfully completed online internship in RESEARCH TRAINING from 27.08.2024 to 27.09.2024 conducted by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC)
3. Participated in the AICTE Recognized Faculty Development Programme on Sustainable Cities and Communities Conducted by NITTTR, CHENNAI from 08/01/2024 to 12/01/2024
4. Participated in the Faculty Development Programme on New generation Construction materials and technologies conducted by Sir M. Visvesvaraya Institute of Technology on 5.01.2023 to 06.01.2023
5. Participated in the AICTE Recognized Faculty Development Programme on Artificial Intelligence & IoT Applications in Civil Engineering conducted by NITTTR from 12.09.2022 to 16.09.2022
6. Attended online one day workshop on "Resilience of concrete construction" organized by IIT Madras on 23rd May 2020
7. Successfully attended the India First Leadership Talk webinar broadcasted on 2nd May, 2020 by MHRD's Innovation Cell

- 8.** Attended National level Webinar on “earthquake resistant structures” by S.A Engineering College on 13.5.2020
- 9.** Attended Webinar on “Environmental Impact Assessment and its legal aspects” by S.B.S. Abdur Rahman Crescent Institute on 6.5.2020
- 10.** Attended Webinar on “Handling Solid Organic Waste – waste to energy (ANDICOS)” by S.B.S. Abdur Rahman Crescent Institute on 11.5.2020

11. Attended Webinar on “How to get published in scientific journal” by Sri Sairam Institute of technology, Hyderabad on 27.4.2020
12. Attended Five days FDP on “Innovation in teaching pedagogy” at Sri Sairam Engineering College from 10th to 14th December 2019
13. Attended one day workshop on “Intellectual property rights and innovation” at Sri Sairam Engineering College On 20th July 2019
14. Attended one day ICI workshop on “Structural design of buildings systems” at IIT, Madras on 28<sup>th</sup> December 2019
15. Attended “Quality Management System and Audit Training” at Sri Sairam Engineering College on June 2018
16. Participated and presented paper on “use of rice husk ash and fly ash in concrete” in national conference on recent trends in engineering “NCRTE 2016” at P B college of engineering
17. Participated in one day national level workshop on “Modernistic Management Practices in Construction industry (MMPCI-2015)’ held at SRMU
18. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi from 28th April to 22nd May 2020
19. Participated in the national webinar on “research and innovations in defence sector conducted by intellectual property rights cell in association with Sri Sairam Engineering College on 24.6.2020
20. Participated in the national webinar on “R&D proposal writing for faculties conducted by intellectual property rights cell in association with MHRD & Sri Sairam Engineering College on 12.6.2020
21. Participated in the “Technical Webinar – International series-I” through web on “Emerging Trends in Civil Engineering” organized by Department of Civil Engineering, Easwari Engineering College from 15th June to 17th June 2020.

### **Online courses**

NITTTR: 8 modules

NPTEL MOTIVATED STAR FOR 2025

Coursera: 9

Udemy: 3

Future skills: 3