


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

<b>Name &amp; Photo</b>	<b>Ms. M. SIVARANJANI</b> 
<b>Designation</b>	ASSISTANT PROFESSOR - III
<b>Qualification</b>	B.E., M.E.,(Ph.D)
<b>Area Of Specialization</b>	STRUCTURAL ENGINEERING
<b>Experience</b>	<b>Teaching:</b> <b>UG:</b> 13.1 Years <b>PG:</b> NIL <b>Industry:</b> NIL
<b>Number Of Workshops/Conferences/ FDP Attended</b>	<b>Workshop:</b> <b>National-4</b> <b>International-NIL</b> <b>Conference:</b> <b>National-1</b> <b>International- 3</b> <b>FDP: 20</b> <b>STTP: 2</b>
<b>Research Guidance</b>	NIL
<b>Publication</b>	<b>Journals:</b> <b>International- 5</b> <b>National - 3</b>
<b>Patent</b>	<b>7-published</b>
<b>E-Mail</b>	sivaranjani.civil@sairam.edu.in
<b>Membership</b>	ICI ISTE IEI IEEE
<b>Achievements</b>	UNIVERSITY RANK HOLDER IN PG

**WORKSHOP/CONFERENCES/ FDP /NITTT/NPTEL Attended:**

1. Completed NPTEL 12 weeks course on fluid mechanics from jul-oct-2022
2. Completed National initiative for technical teachers training module 1 orientation towards technical Education & curriculam aspects.
3. Completed National initiative for technical teachers training module 5 Technology learning and life long self learning.
4. Completed National initiative for technical teachers training module 6 Student assessment and evaluation.
5. Completed NPTEL 12 weeks course on Air pollution and control from April-May-2022
6. Attended 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 12 July, 2021 to 16 July, 2021.
7. Attended ATAL online FDP on " Recent Advances in Forensic Analysis in Civil Engineering" conducted Dr. S. & S. S. Ghandhy Government Engineering College, Surat from 27.09.2021-01.10.2021
8. Attended ATAL online FDP on " sustainable practices for conservation and management of water" conducted University Institute of Technolgy, rajiv gandhi technical university from 04.10.2021-08.10.2021
9. Attended ATAL online FDP on " recent trends in renewable energy" conducted University Institute of Technolgy, rajiv gandhi technical university from 20.09.2021-24.09.2021
10. Attended ATAL online FDP on "Environmental Geotechnology" conducted National Institute of Technology Karnataka Surathkal from 2021-1-4 to 2021-1-8
11. Attended ATAL online FDP on "Earthquake Engineering" conducted national institute of technical teachers training and research, chennai Institute Address from 2020-9-21 to 2020-9-25
12. Attended ATAL online FDP on "Waste Technology" conducted National Institute of Technology Durgapur from 2021-1-18 to 2021-1-22
13. Attended ATAL online FDP on “Construction technology” from 2020-9-7 to 2020-9-11 at Rajiv Gandhi University of Knowledge Technologies (RGUKT).
14. Attended FDP on “Modern house Design in Revit Architecture" conducted by ICT Academy on 06 may 2020 to 12 may 2020
15. Attended an expert lecture in online faculty development program on“ foundation engineering ,fluid mechanics and structural design for civil engineering" during 11.05.2020-15.05.2020 at Valliammai Engineering college.
16. Attended five days faculty development program webinar on “Advancement in Concrete technology" from 12.05.2020-16.05.2020 at Kongu Engineering College .
17. Attended 7 days faculty development program through web on “Advanced technologies in Infra structure development" conducted by SRM Easwari College of engineering – 13May 2020-19 May 2020

18. Successfully participated in indo-china webinar series jointly initiated by faculties from shantou university, vardhman college of engineering, hyderabad, indian geotechnical society surat chapter, SVNIT surat and quingdao university of technology, china during 8<sup>th</sup>-19<sup>th</sup> May 2020
19. Attended National level seminar on “earthquake resistance structures” by S.A Engineering college on 13.05.2020
20. Attended Webinar on “Environmental Impact Assessment and its legal aspects” by SB.S.AbdurRahman Crescent Institute on 6.5.2020 Attended Webinar on “Handling Solid Organic Waste – waste to energy (ANDICOS)” by SB.S.AbdurRahman Crescent Institute on 11.5.2020
21. Successfully participated one day workshop on “Sustainable practices in municipal solid waste management” from 22.02.2020 at M.Kumarasamy college of Engineering, karur.
22. Attended three days course on " Engineering of precast concrete for Mass housing" from 25-27 march 2020 at CSIR-Structural Engineering Research Centre, chennai.
23. Participated in online super session on “The power of a Teacher” conducted on 04 May 2020 by ICT Academy.
24. Participated in online session on “Detailing of Reinforcement” conducted on 06 May 2020 by Adithya Institute of Technology.
25. Attended Webinar on “Tertiary Treatment of Sewage using Disc Filters” by SB.S.AbdurRahman Crescent Institute on 9.5.2020
26. Participated webinar on Planning for building construction as per tamilnadu combined development and building act 2019 on 15.05.2020 at Francis Engineering college, Tirunelveli.
27. Attended webinar on Readymixed Concrete Production Process challenges and Remedies by ICI Bangalore on 18 May 2020
28. Participated and presented paper on Alloy Steel Reinforced Column in International Conference at JPR Engineering College 2019
29. Participated and presented paper on Experimental Studies On the Structural behaviour of limestone calcined clay concrete in national Conference at Adhi Engineering College 2019
30. Attended Quality Management System and Audit Training at Sri sairam Engineering College on June 2018
31. Attended FDP on Next -Gen Teaching Methodology at Sri sairam Engineering College
32. Attended Workshop on Environmental and Sustainable Development at sri sairam Engineering college 2013
33. Attended Seminar on Emerging Trends in Civil Engineering at sri sairam Engineering college 2012
34. Attended on “Quality Management System and Audit Training” at Sri Sairam Engineering

#### **Papers Presented In various National & International Journals:**

1. Published a paper titled " Experimental Investigation on Durability Properties of Geopolymer

Matrix concrete" in March - April 2020 ISSN: 0193-4120 Page No. 8374-8386

2. Published a paper titled "Strength and Microstructure of Redmud Based Geopolymer Concrete- A Review " in March - April 2020 ISSN: 0193-4120 Page No. 8387-8393
3. Published a paper titled "Alloy Steel Reinforced Column"International journal of applied Engineering Research ISSN 0973-4562 Volume 14 Number 11,2019 Special Issue.
4. Published a paper titled "Experimental Studies On the Structural behaviour of limestone calcined clay concrete" in UGC Journal.
5. Enhancing the Mechanical Characteristics of the Traditional Concrete with the Steel Scrap
6. Impact of BN and WC particulate reinforcements on mechanical properties and damage development of AL-2048 Metal matrix composites
7. Use Of Waste Foundry Sand In Place Of Conventional Sand For Paver Blocks
8. Removal Of Toxic Metals From Electroplating Industrial Waste Water Using Groundnut Shell And Coconut Shell

### **Patent details:**

- 1.Wind powered operated pump
- 2.Utilization of textile sludge in the manufacturing of bricks
- 3.Manufacturing of plastic Blocks-PLOX
- 4.A system with green materials for construction of sustainable green buildings
- 5.A System for estimation of catchment scale moisture from soil
- 6.Piezo electric generating tiles
- 7.An IOT based system to remotely monitor building structures

### **Online courses**

Coursera: 10

Udemy: 3