


SSRI SAIRAM ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING

Name & Photo	<div style="text-align: right;">  </div> <p style="text-align: center;">Ms. A. SUJAATHA</p>
Designation	ASSISTANT PROFESSOR
Qualification	A.M.I.E ., M.E.,(Ph.D)
Area Of Specialization	ENVIRONMENTAL ENGINEERING
Experience	Teaching: UG: 15 years PG: NIL Industry: 9.5 Years
Number Of Workshops/Conferences/ FDP Attended	Workshop: 4 National - 5 Conference: 4 National- 2 International- 3 FDP: 20
Publication:	Journals: International- 11
E-Mail	sujathaa.civil@sairam.edu.in
Membership	LM 131554-The Indian Society for Technical Education-ISTE Associate Member in Institute of Engineers-AM 73529/1 IEEE -Oceanic Engineering Society-98068582

Achievements	Received Cash award for producing 100% result in Anna University Exam since 2010 in various subjects like Municipal solid waste Management, Design of RC and Brick Masonry Structures, Repair and Rehabilitation of Structures, Strength of Materials, Mechanics of Fluids, Basic Civil, Best Faculty Award-IEI
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Workshops/Conferences/ FDP Attended:

- Participated in the 5 Days Faculty Development Program on “Environmental Impact Assessment” organized by NITTTR, Chennai from 6th October 2025 to 10th Oct 2025.
- Successfully completed the certificate course on Panchayat Administration and Rural Development Schemes in the month of Oct 2025
- Certified for NPTEL Discipline star JAN-APRIL 2025.
- Participated in Faculty Development Program on SUSTAINABLE URBAN GROWTH: THE INTERSECTION OF SMART CITIES AND MOBILITY at UNIVERSITY COLLEGE OF ENGINEERING RAMANATHAPURAM from 20/01/2025 to 25/01/2025.
- Six days Faculty Development Program on "Comprehensive Industrial Sustainability: Carbon, Environmental Impact and Safety Enhancement (CISES)" conducted by the Department of Civil Engineering of SRI SIVASUBRAMANIYANADAR COLLEGE OF ENGINEERING from 05th Feb 2024 to 10th Feb 2024
- Participated in NPTEL-AICTE Faculty Development Program on Sustainable Engineering Concepts and Life Cycle Analysis in Jul-Sep 2024.
- Participated in the Faculty Development Programme on “Disaster Management” organized by NITTTR, Chennai from 27th May 2024 to 31st May 2024
- Participated in Faculty Development Program on Product Design using Fusion 360 conducted by ICT Academy on 22 Aug 2023 to 25 Aug 2023.
- Participated in Faculty Development Program on Trimble Sketchup conducted by ICT Academy on 19 Jun 2023 to 23 Jun 2023.
- NITTTR - One Week online **FDP** on Analysis of multistoried buildings for vertical and lateral loads from 20/06/2022 to 24/06/2022.
- FDP On Recent Trends In Civil Engineering (ENVIRO-CON Tech) organized by Department of Civil Engineering in association with IEEE Civil Chapter of Sri Sairam Engineering College, Chennai -44 from 13th December, 2021 to 18th December, 2021
- Orientation Training Programme for Mentors-NITTTR from 26-07-2021 to 30-07-2021
- Five -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.

- AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Advances in Water Treatment and Desalination" from 23/08/2021 to 27/08/2021 at Anna University - University College Of Engineering Dindigul Campus.
- AICTE Training And Learning (ATAL) Academy Online Elementary **FDP** on "Technology Trends in Smart City" from 09/08/2021 to 13/08/2021 at Indian Institute of Management Kashipur.
- AICTE Training And Learning (ATAL) Academy Online **FDP** on "Waste Technology" from 2021-1-18 to 2021-1-22 at National Institute of Technology Durgapur.
- AICTE Training And Learning (ATAL) Academy Online **FDP** on "Waste Technology" from 2021-1-4 to 2021-1-8 at NIT WARANGAL.
- ISTE Sponsored 3 days **Workshop** on “ Research and Development Activities” held from 28.12.20 to 30.12.20 conducted by Mechanical Department , Sri Sairam Engineering College.
- AICTE-ISTE sponsored phase - 3 , one week online **Faculty Development Programme** on Curriculum For Sustainability” organized by Department of Civil Engineering, Velammal Engineering College in technical coordination with The Engineers’ HUB held from 17th to 23rd December 2020.
- Six days Virtual **FDP** on " Water Resources Engineering" jointly organized by Department of Civil Engineering & Internal Quality Assurance Cell (IQAC) from 17th to 23rd December 2020. Karpaga Vinayaga College Of Engineering And Technology.
- AICTE Training And Learning (ATAL) Academy Online **FDP** on "GIS & Remote Sensing" from 2020-11-2 to 2020-11-6 at Indian Institute of Space Science and Technology, Department of Space, Government of India.
- A Technical **webinar** on "STRAIN COMPATIBILITY IN THE DESIGNING OF FLEXURAL MEMBERS" on 05.05.2020 organised by the Department of Civil Engineering, Dr.N.G.P. Institute of Technology, Coimbatore.
- Seven Day **Faculty Development Program** through web on “Advanced Technologies In Infrastructure Development” organized by Department of Civil Engineering, Easwari Engineering College from 13th May to 19th May 2020 in Association with MHRD - Institution's Innovation Council
- **FDP** on MODERN HOUSE DESIGN IN REVIT ARCHITECTURE (Online Live FDP) Conducted by ICT Academy from 6 May to 12 May 2020.
- **Webinar** on “Lean Construction – Last Planner System” organised by Department of Civil Engineering, School of Infrastructure, Crescent Institute of Science and Technology on 4th May , 2020
- Participated in the **National Conference** on “ INNOVATIONS IN CIVIL ENGINEERING THROUGH SUSTAINABLE TECHNOLOGIES – NICEST’ 19” held during 20-21 September ,2019 organized by the Department of Civil Engineering, Mahatma Gandhi Institute of Technology, Hyderabad

- One day **workshop** on “ Intellectual property rights and innovation” at Sri Sairam Engineering College On 20th July 2019.
- Five days **FDP** on “Applied Hydraulic Engineering” held at Sri Sairam Engineering College, Chennai dated from 06th to 10th May-2019 .
- Five days **FDP** on “Soil Mechanics & Earthquake Geotechnical Engineering” held at Sri Sairam Engineering College, Chennai dated from 03rd to 7th December 2018.
- Three days **FDP on** Outcome based Pedagogy organized by PALS at Teaching Learning Centre, IIT Madras from November 13th to 15th , 2018.
- Five days **FDP** on “Soil Mechanics & Earthquake Geotechnical Engineering” held at Sri Sairam Engineering College, Chennai dated from 03rd to 7th December 2018.
- Three days CSIR Sponsored **National Level Workshop** on “ Recent development in Renewable Energy Technologies” in SRM Institute of Science and Technology, Ramapuram from 27th September to 29th September, 2018.
- Two days **International Conference** on “Recent Advances in Mechanical Engineering” ICRAME’ 17 held at Kingston Engineerig dates 01 & 02 september 2017.
- Six days **FDP** on “Design of steel structures” held at Sri Sairam Engineering College, Chennai dated from 29-May-2017 to 03-Jun-2017.
- One day **National Workshop** on “Innovative Techniques in Water Management- ITWM 2017”, SRM University, 22nd March
- Six days **FDP** on “Remote Sensing & GIS” held at Sri Sairam Engineering College, Chennai dated from 30-May-2016 to 04-Jun-2016.
- Six days **FDP** on “Mechanics of solids” held at Sri Sairam Engineering College, Chennai dated from 25-May-2015 to 30-May-2015
- One day **Faculty Enablement program** on “A Step to Outcome based Accreditation”, Sri Sairam Institute of Technology, 4th April 2015.
- Six days **FDP** on “Transportation Engineering” held at Sri Sairam Engineering College, Chennai dated from 23-May-2014 to 29-May-2014.
- One day **National Workshop** on “Environmental Vigilance On Water and Energy Resources (NEVWER-2014)”, SRM University, 22nd March 2014.
- One day **National Workshop** on “Ground Improvement for Infrastructure Projects”, SRM University, 26th November 2013.
- Two days **AICTE sponsored National Seminar** on “Environmental issues and Sustainable Development” held at Sri Sai Ram Engineering College. Chennai on 11th and 12th November 2013.
- Two Days **International Conference** “Fib -days”, L & T Construction, 10th and 11th January 2013.

- Attended **FDP** on “Quality Management System and Audit Training” at Sri Sairam Engineering College.
- Attended Six days **FDP** on “Disaster Management and Ditungation” held at SriSairam Engineering College, Chennai dated from 24-May-2013 to 31-May-2013.

Papers Presented In various National & International Journals:

- A.Sujaatha, Chandralekha M., Dvsssv Prasad, Rajesh Kumar Patnaik, D. Kalaiyarasi, A. Ramesh', M. Clement Joe Anand, Jim Mathew Philip, A. Rajaram **“Improving The Current Sensor's Limit-Ofdetection By Multichip Differential Design Ani The Tunneling Magnetoresistive Effects”** Journal of Environmental Protection and Ecology 26, No 5, 1857-1867 (2025)
- P.Neeraja, Bala Padmaja S, M.Padmaja, A.Sujathaa **“Design and Optimization of Self-Healing Concrete Mix Proportions Using MATLAB”** Communications on Applied Nonlinear Analysis ISSN: 1074-133X Vol 32 No. 1s (2025).
- M.Padmaja , R.Pamila, A.Sujaatha , S.Bala Padmaja, Kotha Manasa **“Alginate-Modified Biochar Beads for Rhodamine B Removal: A Sustainable Approach to Water Pollution Control”** International Journal of Environmental Sciences ISSN: 2229-7359 Vol. 11 No. 4S, 2025.
- Sethuraman S ,, Haya Mesfer Alshahrani , A. Tamizhselvi , A. Sujaatha **“Assessment of coastal vulnerability using AHP and machine learning techniques”**, Journal of South American Earth Siences 147 (2024) 105107.
- Durga Maligi, Sujaatha A, Ramakrishnan Subramaniam, Harishankar Sooriakumar,Nasar Ali Razack” **Experimental and Statistical Study of Flexural Strength in Ternary Blended High-Performance Concrete using Alcofine”** E3S Web of Conferences 491, 01012 (2024).
- Sujaatha A,Harish.S, ,Sharan.U,Arun.R **“Lowcost Roofing Tiles Using Agricultural Wastes”** 2024 JETIR April 2024, Volume 11, Issue 4.
- Sujaatha.A presented a paper titled **“Experimental Investigation on Mechanical Properties of Geopolymer concrete with sugarcane bagasse ash”** in the AICTE sponsored Fourth International Conference on Emerging Trends in Science, Engineering & th th Technology, (ICETSET 2022) held on 7 and 8 July 2022 in Jerusalem College of Engineering ,Pallikaranai, Chennai 600100, Tamil Nadu, India.
- V Vedanarayanan, Chirag Vibhakar, A Sujaatha, Jiten K Chavda, M Karthik, PV Pramila, Ishwarya Komalnu Raghavan **“Utilization of Sustainable Resources for Promoting Energy Efficiency in Environment Using Smart Technologies”**- International Journal of Photoenergy- Vol 2022- Hindawi - 2022/2/21
- Sujaatha.A presented a technical paper on **“Experimental Study On Replacement of Cement By Glass Powder And Rice Husk Ash In Concrete”** in 2-Day National e-Conference on “Innovations in Civil Engineering through Sustainable Technologies (NICEST-2021)” held during 26-27 March, 2021, Organized by Department of Civil Engineering,Mahatma Gandhi Institute of Technology

(MGIT), Gandipet, Hyderabad.

- Ms. R.Pamila Ramesh ,Dr. S. Bhagavathi Perumal, Ms. A. Sujaatha “**Analysis of Ground Water Defluoridation by Adsorption Process**”- **IJSRD- International Journal for Scientific Research & Development**|-vol 9-issue 1- 2021
- Sujaatha.A, M.Sivaranjani , R.Pamila “**Use Of Waste Foundry Sand In Place Of Conventional Sand For Paver Blocks**”- Ilkogretim Online - Elementary Education Online-vol 20-issue 1-2021 .
- Sujaatha A, Divya N, Sreeranjini R “**FLEXURAL BEHAVIOUR OF BASALT FIBRE REINFORCED CONCRETE FILLED STEEL TUBE BEAMS**”- Test Engineering and Management-vol 83-issue- 0193-4120- 2020/4
- Ms. Pamila Ramesh , M.Sivaranjani , A.Sujaatha, Manicka Karpagavalli , “**Experimental Study On Papercrete Preparation And Characteristics**”- Ilkogretim Online - Elementary Education Online- vol 19-issue 3- 2020
- Sujaatha A, Divya N, Sreeranjini R “**FLEXURAL BEHAVIOUR OF BASALT FIBRE REINFORCED CONCRETE FILLED STEEL TUBE BEAMS**” in the **National Conference on “ INNOVATIONS IN CIVIL ENGINEERING THROUGH SUSTAINABLE TECHNOLOGIES – NICEST’ 19**” held during 20-21 September ,2019 organized by the Department of Civil Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
- Sujaatha A, S.Arivazhagan,R.Kumaresan, V.S.Mohana sundharam, “**An Experimental Investigation of Mineral Admixture on Performance of Pervious Fibre Reinforced Geo-Polymer Paver Block**”,- Journal of Gujarat Research society- Vol 21- Issue 17- December 2019
- A. Bhaskar, P. Vasanthi, A. Sujaatha “**Design And Comparison Of Portal Type Industrial Building Using Indian (1984 & 2007), American And British Codes** “in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Special Issue, Jun 2018, 7-16.
- P Vasanthi, A Sujaatha, A Bhaskar, Lavish Gaur- “**A Study On Mechanical Property Of Cement With Partial Replacing Secondary Cementitious Materials**”- Pakistan Journal of Biotechnology- vol-15 (Special Issue ICROME 17) Pp. 85-88 (2018).