


Sri Sairam Engineering College

Department of Civil Engineering

Name & Photo	Mr. S.SIVAKUMAR 
Designation	ASSISTANT PROFESSOR
Qualification	M.Sc., M.Tech.
Area of Specialization	REMOTE SENSING
Experience	Teaching : UG : 10 Years & 2 Months PG : Nil
	Industry : 1 Year & 3 Months
No. of workshop / Conferences / FDP attended	FDP : 20 Conference : 2 STTP : 3 Seminar/Webinar : 56 Workshop : 3
Publication	Journal: Scopus : 1 UGC : 1
	Conference: National : 2
Patent	Published: 1
E-Mail	sivakumar.civil@sairam.edu.in
Membership	Indian Society for Technical Education

Workshop / Conferences / FDP attended:

- ❖ Presented a paper titled “Securing the Environment from Industrialization and Urbanization - A study using Geomatics in Chinnakarai watershed in Tamilnadu” in the National conference “Trends and Advances in Civil Engineering” held at B.S. Abdur Rahman University, Chennai
- ❖ Attended an FDP for 6 days on “Remote Sensing & GIS” held at Sri Sairam Engineering College, Chennai
- ❖ Attended an FDP on “ Engineering and Management teaching strategies for excellence” organized by Sri Sairam Institute of Management Studies, Chennai
- ❖ Participated in a National level seminar on “Environmental issues and sustainable development” in Sri Sairam Engineering College, Chennai
- ❖ Attended an FDP for 6 days on “Design of steel structures” held at Sri Sairam Engineering College, Chennai
- ❖ Presented a paper titled “Highway Planning of Outer Ring Road in Coimbatore city using GIS” in the National conference “Civil 2020” organized by Karpagam college of Engineering, Coimbatore
- ❖ Attended an FDP for 6 days on “Mechanics of solids” held at Sri Sairam Engineering College, Chennai
- ❖ Attended a 21 days Summer Training Programme on “Geospatial technologies and its applications” in PSNA College of Engineering and Technology, Dindigul
- ❖ Participated in one day training program on “ISO 9001:2015 Quality Management System and Audit Training” at Sri Sairam Engineering College, Chennai
- ❖ Attended a National level FDP for 5 days on “Engineering teaching pedagogy and effective learning process” organized by Sri Sairam Institute of Management Studies, Chennai
- ❖ Participated in one day workshop on “Intellectual Property Rights & Innovations” organized by Sri Sairam Engineering College, Chennai in association with Centre for Intellectual Property Rights (CIPR), Anna University, Chennai
- ❖ Attended an FDP for 5 days on “Innovation in teaching pedagogy” at Sri Sairam Engineering College, Chennai in association with ISTE & ISOI
- ❖ Attended a National level webinar on “Application of Fibre Reinforced Polymer Composites in Civil Engineering” organized by S.A. Engineering College, Chennai
- ❖ Attended a National level webinar on “Application of GIS in Civil Engineering” organized by Sri Sairam Engineering College, Chennai

- ❖ Attended a webinar on “Applications of Remote Sensing and GIS” organized by School of Infrastructure, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai
- ❖ Attended a Technical webinar on “BIM Concepts using TEKLA Structures” organized by Dr.N.G.P. Institute of Technology, Coimbatore
- ❖ Participated in a webinar on “Construction of Building using Green concept” organized by Indian Green Building Council Students’ Chapter of Easwari Engineering College, Chennai
- ❖ Participated in a webinar series on “Durability of Reinforced Concrete Structures” organized by School of Infrastructure, B.S. Abdur Rahman Crescent Institute of Science & Technology in association with M/s. Hitech Concrete Solutions Chennai Pvt Ltd, Chennai
- ❖ Attended a National level webinar on “Earthquake Resistant Structures” organized by S.A. Engineering College, Chennai
- ❖ Participated in a webinar on “Environmental Impact Assessment and its Legal Aspects” organized by School of Infrastructure, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai
- ❖ Attended an FDP for 7 days through web on “Advanced technologies in Infrastructure development” organized by Easwari Engineering College, Chennai
- ❖ Attended an FDP for 5 days on “Advancements in Concrete Technology” organized by Kongu Engineering College, Erode in association with India chapter of American Concrete Institute
- ❖ Participated in 12 days Indo-China webinar series in “Civil and Environmental Engineering” jointly initiated by faculties from Shantou University, China, Vardhaman College of Engineering, Hyderabad, Indian Geotechnical Society Surat Chapter, SVNIT Surat and Qingdao University of Technology, China
- ❖ Participated in “NAAC Awareness Programme for Faculty” organized by Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune
- ❖ Participated in a webinar on “Achieving Sustainable Concrete through use of Mineral Admixtures” organized by Indian Concrete Institute, Bangalore Centre
- ❖ Participated in an Expert lecture on “Latest trends and technologies in Waterproofing” organized by Indian Concrete Institute, Bangalore Centre
- ❖ Participated in an Expert lecture on “Special Concrete for Special structures” organized by Indian Concrete Institute, Bangalore Centre
- ❖ Participated in an Expert lecture on “Understanding of Disputes, Mitigation and Resolution in a Construction Project” organized by Indian Concrete Institute, Bangalore Centre
- ❖ Attended an expert session on “Change is the Essence of Life” conducted by ICT Academy

- ❖ Participated in an expert session on “The Future of Skills - Education, Employment & Entrepreneurship” conducted by ICT Academy
- ❖ Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs
- ❖ Participated in an online Expert talk on “Infrastructure Planning - An A. I. Approach” organized by K. D. K. College of Engineering, Nagpur
- ❖ Participated in an online Expert talk on “Innovations & Sustainability through Construction Chemicals” organized by K.D.K. College of Engineering, Nagpur
- ❖ Successfully attended Leadership talk With Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd. in India's First Leadership Talk Series Session by MHRD's Innovation Cell
- ❖ Participated in a live webinar on “Planning for Building Construction (Residential) as per Tamilnadu Combined Development and Building Act 2019” organized by Francis Xavier Engineering College, Tirunelveli, Tamilnadu
- ❖ Participated in an Online Expert Talk on “Progress of Concrete Science Since the Time of Duff A. Abrams” by Dr. Bishwajit Bhattacharjee, Professor, IIT Delhi organized by K.D.K. College of Engineering, Nagpur
- ❖ Participated in a virtual session on “Research and Post Doctoral Fellowship activities in Foreign Universities” organized by Research & Development Cell of Sri Sairam Engineering College, Chennai
- ❖ Participated in a virtual assessment programme on “Research Methodology” organized by Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram
- ❖ Participated in an Online Expert Talk on “Restrained Shrinkage & Thermal Cracking in Concrete” by Dr. K.V.L. Subramaniam, Professor, IIT Hyderabad organized by K.D.K. College of Engineering, Nagpur
- ❖ Participated in a webinar on Seismic Principles and Design & Green Building organized by the Department of Civil Engineering, Vels Institute of Science, Technology and Advanced Studies, Chennai
- ❖ Participated in AICTE sponsored One week STTP on "Effective Teaching strategies in Engineering Education" held at Kingston Engineering College, Vellore
- ❖ Participated in One week STTP on "Infrastructure development - Possibilities and Challenges ahead" organized by New Horizon Institute of Technology and Management, Thane
- ❖ Attended a webinar on “Sustainability for Water” organized by Mahendra Engineering College
- ❖ Participated in a Technical webinar series on “Sustainable Building Materials - Timber and Bamboo” organized by Department of Civil Engineering in association with ICI Student Chapter, Institute Industry Interaction Cell & Career Guidance Cell of Ramco Institute of Technology, Rajapalayam

- ❖ Attended a webinar on “Advances in GIS” organized by Mahatma Gandhi Institute of Technology (MGIT), Hyderabad
- ❖ Attended a webinar on “Advances in Remote Sensing” organized by Mahatma Gandhi Institute of Technology (MGIT), Hyderabad
- ❖ Attended a webinar on “Algae for Food, Energy and Sustainable Environmental Solutions” organized by Department of Applied Science, PIET, Jaipur
- ❖ Attended a webinar on “Cost control and Waste management” organized by Department of Civil Engineering, Dhaanish Ahmed College of Engineering, Chennai
- ❖ Participated in an Online Expert Talk on “Earthquake Resistant Design of buildings - Provisions of IS 1893 (Part 1) 2016” organized by K.D.K. College of Engineering, Nagpur in association with ACC Limited, Indian Concrete Institute and ASCE, India Section, Western Region
- ❖ Attended an FDP for 5 days on “Active Learning and Advanced scientific Computing Methods” organized online by Loyola College (Autonomous), Chennai
- ❖ Successfully completed Five Days Faculty Development Programme on “E-Content Development” organized by Internal Quality Assurance Cell, ACAS, Coimbatore
- ❖ Participated in a 5 days FDP on “Entrepreneurship and Innovation” organized by Entrepreneurship Development Cell, Parul University, Vadodara and supported by Student Start-Up and Innovation Policy, Government of Gujarat
- ❖ Participated in One day Faculty Development Programme on “How to use Google classroom like a Pro” organized by ITM Business School, Chennai
- ❖ Participated in One day Management Development Programme on “Improving Managerial Effectiveness using Coloured Brain concept” organized by ITM Business School, Chennai
- ❖ Attended a 2 days online FDP on “Internet of Vehicles” organized by Department of Electronics and Communication Engineering of KPR Institute of Engineering and Technology, Coimbatore
- ❖ Attended an FDP for 3 days on “Recent advances in Civil Engineering” organized by S.A. Engineering College, Chennai
- ❖ Attended a webinar on “Forensic Engineering” organized by Department of Civil Engineering, P.S.R.. Engineering College, Sivakasi
- ❖ Participated in a webinar on “Green Building Rating Systems in India” organized by Department of Civil Engineering, SRM TRP Engineering College, Trichy
- ❖ Participated in a Symposium on “Green Building” organized by Department of Civil Engineering, Pillai HOC College of Engineering and Technology, Rasayani in association with Indian Green Building Council (IGBC)

- ❖ Participated in an Expert Talk and Panel Discussion on “Building a Sustainable Future” conducted by ICT Academy
- ❖ Participated in a Technical Webinar on “IoT Applications in Construction Industry” conducted by Institute of Civil Engineering, Saveetha School of Engineering, Chennai
- ❖ Successfully attended Leadership talk with Ms.Ashwini Deshpande (Co-Founder & Director, Elephant Design) by MHRD's Innovation Cell
- ❖ Successfully attended Leadership Talk with Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice & Empowerment) by MHRD's Innovation Cell
- ❖ Participated in a E-Talk on “Multi Modal Integration for Metro” organized by Indian Concrete Institute, Nagpur Centre
- ❖ Attended a webinar on “Patent Act, Drafting, Filing system and challenges in India” organized by Internal Quality Assurance Cell of R.M.D. Engineering College, Chennai
- ❖ Attended a webinar on "Project Management in Construction” School of Infrastructure, B S Abdur Rahman Crescent Institute of Science & Technology, Chennai in association with Infinity PMC Solutions Pvt Ltd.
- ❖ Participated in a one day webinar on “R&D Proposal writing for Faculties” organized by Department of Mechanical Engineering in association with Research & Development Cell of Sri Sairam Engineering College, Chennai
- ❖ Attended Two Days Online Workshop on “Revit Architecture” organized by Department of Civil Engineering, Easwari Engineering College, Chennai
- ❖ Participated in a STTP on “Advanced concepts in Materials and Structural Engineering” organized by SRM Institute of Science and Technology, Chennai in association with Universiti Malaysia Sarawak, Malaysia in support with UltraTech Cement Limited, Indian Concrete Institute & Association of Consulting Civil Engineers, Chennai Centre
- ❖ Participated in Tamilnadu State Government sponsored webinar on “Six Sigma - An Overview and Practical training” organized by Faculty Training Centre in association with Government College of Technology, Coimbatore
- ❖ Participated in 3 days Technical Webinar – International series - I through web on “Emerging Trends in Civil Engineering” organized by Easwari Engineering College, Chennai
- ❖ Participated in an Online Expert Talk on “Vastu Shastra in Modern Civil Engineering” organized by K.D.K. College of Engineering, Nagpur in association with ACC Limited, Indian Concrete Institute and ASCE, India Section, Western Region
- ❖ Attended 5 Days AICTE Training And Learning (ATAL) Academy Online FDP on “Green Technology & Sustainability Engineering” conducted by National Institute of Technology, Raipur

- ❖ Attended 5 Days AICTE Training And Learning (ATAL) Academy Online FDP on “Leadership & Excellence” conducted by Indian Institute of Plantation Management, Bengaluru
- ❖ Attended 5 Days AICTE Training And Learning (ATAL) Academy Online FDP on “Smart Cities” conducted by Kumaraguru College of Technology, Coimbatore
- ❖ Attended 5 Days AICTE Training And Learning (ATAL) Academy Online FDP on “Global Navigation Satellite System (GNSS)” conducted by National Institute of Technology, Mizoram
- ❖ Attended NAAC Sponsored 2 days National level Webinar on “Quality Sustenance through Online mode of Education” organized by Internal Quality Assurance Cell, Hindusthan College of Engineering and Technology, Coimbatore
- ❖ Participated in an online Workshop on “Aerial Surveying and Mapping Using Drone Technology” conducted by Bentley Institute in association with Aviocian Technologies Pvt. Ltd.
- ❖ Participated in a Technical Webinar on “Ecological Restoration of Coovam River for Singara Chennai” organized by SRM Institute of Science and Technology, Chennai in association with Institute of Engineers (India)
- ❖ Participated in an International Symposium on "Green concrete aggregates and cementitious materials" organized by Pillai HOC College of Engineering and Technology, Rasayani in association with Indian Green Building Council (IGBC)
- ❖ Participated and successfully completed 5 days online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE)
- ❖ Participated in 5 days online FDP on “Managing Infrastructure Projects using Emerging Technologies” organized by Department of Civil Engineering, Thiagarajar College of Engineering, Madurai
- ❖ Successfully participated in One day Webinar on “Understanding of Program Outcome, Program Specific Outcome and Course Outcome” conducted by S. T. Co-Op. Education Society’s Ltd., Science Senior College, Shahada, Nandurbar
- ❖ Attended a National level Webinar on “Virtual Labs: Effective tools for Teaching and Learning” organized by G.H.Raisoni Institute of Engineering and Technology, Nagpur in collaboration with NIT, Karnataka, Surathkal

Papers published in Journals (International):

- Paper published in International journal on “Study on Various Rating System for Green Building in Chennai” in European Journal of Molecular & Clinical Medicine, ISSN 2515-8260 Volume 7, Issue 06, 2020

Patents published:

- ❖ Utilisation of Textile sludge in the manufacturing of Bricks

Online courses:

- ✚ Completed an online course “Civil 3D – Civil Works Specialization” offered through Udemy
- ✚ Completed an online course “The Complete Ethical Hacking Course: Beginner to Advanced” offered through Udemy
- ✚ Completed an online course “A Crash Course in Data Science” authorized by Johns Hopkins University and offered through Coursera
- ✚ Completed an online course “AI for Everyone” authorized by deeplearning.ai and offered through Coursera
- ✚ Completed an online course “Build Your Portfolio Website with HTML and CSS” authorized by Coursera Project Network and offered through Coursera
- ✚ Completed an online course “Introduction to Project Management” authorized by Coursera Project Network and offered through Coursera
- ✚ Completed an online course “Introduction to Psychology” authorized by Yale University and offered through Coursera
- ✚ Completed an online course “Materials Science: 10 Things Every Engineer Should Know” authorized by University of California, Davis and offered through Coursera
- ✚ Completed an online course “Our Earth's Future” authorized by American Museum of Natural History and offered through Coursera
- ✚ Completed an online course “Quantum Mechanics” authorized by University of Colorado Boulder and offered through Coursera
- ✚ Completed an online course “Spreadsheets for Beginners using Google Sheets” authorized by Coursera Project Network and offered through Coursera
- ✚ Completed an online course “Structuring Machine Learning Projects” authorized by deeplearning.ai and offered through Coursera
- ✚ Completed an online course “The Sustainable Development Goals – A global, transdisciplinary vision for the future” authorized by University of Copenhagen and offered through Coursera
- ✚ Completed an online course “Understanding Memory: Explaining the Psychology of Memory through Movies” authorized by Wesleyan University and offered through Coursera
- ✚ Completed an online course “Smart Cities – Management of Smart Urban Infrastructures” authorized by École Polytechnique Fédérale de Lausanne and offered through Coursera