


**SRI SAI RAM ENGINEERING
COLLEGE, CHENNAI-44**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Name & Photo	SHEELA 
Designation	Associate Professor
Qualification	M.Tech (persuing Ph.d)
Date of Birth	15.07.1975
Working in	Sri Sairam Engineering College
Experience	Teaching : Total:24Years UG: 15.5 Years. PG: 16 Years
Area of Specialization	Data Base Management System, Computer Networks, Machine Learning
Email id	sheela.cse@sairam.edu.in
Mobile Number	9884973270
Gender	Female
Martial Status	Married
Nationality	Indian
Language Known	English, Tamil
Religion	Christian
Father's Name	Mr.G.Asirvatham
Address	No:825,Devi karumariyamman Nagar,Nandhambakkam,Kundrathur,Chennai-69

Education Qualification:

Qualification	Year	Name of the school/college	Board/University	Class
S.S.L.C	1992	A.V.Meiyappan Matriculation Higher Secondary School, Chennai-92.	Matric	I
H.S.C	1994	A.V.Meiyappan Matriculation Higher Secondary School, Chennai-92.	State	I
B.Sc.,(Physics)	1994-1997	Valliammal College for Women, Chennai-104	Madras University	I

M.C.A	1997-2000	TBAK College for Women, Kilakarai, Ramnad District.	Madurai Kamarai University	I
M.Phil(Computer Science)	April 2005	Mother Teresa Women's University, Chennai.	Mother Teresa University	I
M.Tech(Computer Science)	2013	S.R.M University, Chennai	S.R.M University, Chennai	Distinction
Ph.d(Computer Science)	20254	Bharat University, Chennai	Bharat University, Chennai	Persuing

Professional Experience:

Sl. No	College/Organization	Designation	Joining Date	Relieving Date	Total period
1.	Mother Teresa Women's University, Chennai-15	Lecturer	11/07/2001	15/07/2002	1 Year
2.	Sri Sai Ram Engineering College	Lecturer	19/06/2003	31/07/2008	5 Years
3.	Sri Sai Ram Engineering College	Assistant Professor	01/08/2008	31/07/2012	4 Years
4.	Sri Sai Ram Engineering College	Assistant Professor-I	01/08/2012	31/07/2014	2 Years
5.	Sri Sai Ram Engineering College	Associate Professor	01/08/2014	02/07/2025 Till Date	11 Years

MAJOR SEMINARS/WORKSHOPS ORGANISED/PARTICIPATED:

Had been in the organizing committee in the National conference NCDK '05 on Distributed Computing and Knowledge Engineering at Sri Sai Ram Engineering college.

Had been in the organizing committee in the National conference NCRC '07 on Research & Challenges in IT at Sri Sai Ram Engineering college.

Had been in the organizing committee in a Workshop on "KM- Best Practices" at Sri Sai Ram Engineering College.

Had Been in the organizing committee in the National conference NCBI '08 on Business Intelligence at Sri Sai Ram Engineering college.

Had been in the organizing committee in the National Conference on "Information & Communication Technology" at Sri Sai Ram Engineering College, Chennai.

Had been in the organizing committee in the International Conference on "Innovative Computing Information and Communication Technology (ICICT)" on Dec 16-18, 2009 at Sri Sai Ram Engineering College, Chennai.

Had been the **coordinator** in the National Level Technical Symposium 2009 "INFOGEDDON 2k9" at Sri Sai Ram Engineering college on 12th September 2009.

Had been participated in 12 days seminar on “**Mobile Networks**” conducted by information technology at Sri SaiRam Engineering College, Chennai.

Had been participated in two days Staff Development Programme on “**Algorithms – Design, Analysis and Applications**” at Sri SaiRam Engineering College, Chennai.

Techno Cultural fest “**INFOGEDDON**” during every academic year with a variety of technical events and address by giants from the Industry.

Had been Participated in **Staff Development programme** on “**Recent trends in Computer Network**” on 21-28th April 2010 conducted by Saveetha Engineering College

Had been Participated in certificate course on “**Object Oriented Analysis and Design using UML with Essentials of Rational Software Architect**” (course code: DEV396) conducted by IBM software Education during 20th- 26th April 2011 at Sri SaiRam Engineering College, Chennai.

Had been participated in two days Staff Development Programme on “**Case Tools Environments and Workbenches**” on 21st and 22nd December 2011 at Sri SaiRam Engineering College, Chennai.

Had been participated in certificate course on “**Oracle Database 11g: Administration Workshop I Ed 2**” conducted by at Sri SaiRam Engineering College, Chennai, from 6th February to 10th February 2012.

Had been Participated in National Level Faculty Development programme on “**World class higher learning Institutions and Faculties**” conducted at Sri SaiRam Engineering College, Chennai, on 12th December 2012.

Had been Participated in National Level Seminar on “**Cloud Computing and mining**” conducted at Sri SaiRam Engineering College, Chennai, on 26th and 27th September 2013.

Had been participated in One day workshop on “**Mobile Cloud Computing**” on 4th April 2013 at Velammal Engineering College

Had been Participated in Faculty Development Programme on “**Cloud Computing**” on 5th May 2014 at Sri SaiRam Engineering College, Chennai.

Had been Participated in Three days Faculty Development Programme on “**Python Programming**” on 9th to 11th August 2017 at Jeppiaar Engineering College, Chennai

Had been Participated in Faculty Connect Programme on “**Problem Solving and Python Programming**” on 5th ,6th June 2018 at Sairam Institute and Technology Chennai

Had been participated in Faculty Development Programme on “**Problem Solving and Python Programming**” sponsored by Anna University on 11th to 18th June 2018 at Sri SaiRam Engineering College, Chennai.

Had been participated in Five days Faculty Development Programme on “**NextGen TechStack**” on 8th and 12th April 2019 at Sri SaiRam Engineering College, Chennai.

FDP on “**Cyber Security**”, AICTE Training And Learning (ATAL) Academy, from 2020-8-24 to 2020-8-28 at St. Joseph's College of Engineering.

FDP on “**Artificial Intelligence**”, AICTE Training And Learning (ATAL) Academy, from 2020-8-31 to 2020-9-4 at Sri Krishna College of Engineering and Technology.

FDP on “**Block chain**”, AICTE Training And Learning (ATAL) Academy, from 2020-12-20 to 2020-12-24 at Indian Institute of Technology Patna.

One Week FDP on “**Industry 4.0:Application of Deep Learning and AI in Computer vision**”,orgnaized byDepartment of IT, St.Joseph INSTITUTE OF TECHNOLOGY from 20th to 24th August 2021

FDP on "Data Analytics using Python/R Programming", AICTE Training And Learning (ATAL) Academy,from 23/08/2021 to 27/08/2021 at National Institute of Technology Puducherry Karaikal.

FDP on "**Cloud Technology**",AICTE Training And Learning (ATAL) Academy, from 2021-2-8 to 2021-2-12 at National Institute of Technical Teachers Training and Research.

29.One Week FDP on “**Foundations of Data Science**”,orgnaized byDepartment of CSE(Data Science, Cyber Security and Artificial Intelligence & Data Science) VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY from 2nd to 7th August 2022

30. Five Days Faculty Development Program on **Insights and Open Challenges in Computing Technologies**,organized by Department of Computer Science, Sri Sairam Engineering College, conducted from 11July – 15th July, 2022.

31.Faculty Development Program on **Cyber Security in Cloud Computing Technologies** ,AICTE Training And Learning (ATAL) Academy at SRI SAI RAM ENGINEERING COLLEGE from 30/10/2023 to 04/11/2023.

32.Faculty Development Program on **QUANTUM COMPUTING - Research Perspective in Communication & Healthcare Industry**,AICTE Training And Learning (ATAL) Academy at PANIMALAR ENGINEERING COLLEGE from 11/12/2023 to 16/12/2023.

33.Faculty Development Program on **Innovative and Exploratory Ideas in Data Science**,organized by Department of Computer Science, Sri Sairam Engineering College, conducted from 02 January – 6th January, 2023.

34.Five Days Faculty Development Program on **Recent Trends and Applications in Data Science**, organized by Department of Computer Science, Sister Nivedita University, Kolkata, India conducted from 26th February – 1st March, 2024.

35. Five days Virtual Faculty Development Program on "Cyber Physical Systems" organized by Dr.M.G.R Educational and Research Institute,from 26th May – 30th May, 2025

PAPERS PRESENTED IN CONFERENCES:

National Conferences:

Number of Papers Presented: 12

1. “**Security for Government and Military Agencies Service Providers Using Optical Networking**” in the National conference on “advances in information technology and computer Applications” organized by PSNA college of engineering and technology, Dindigul.
2. “**Query processing in a FDBS**” in the second National Conference on Computing Technology organized by Vellammal college of Management and Computer Studies, Chennai.

3. **“Meta-Database Management System using Query processing”** in the National Conference on Computing and Communication (NCCC’09) organized by Ganadipathy Tulsi’s Jain Engineering College, Vellore.
4. **“Security for Government and Military Agencies Service Providers Using Optical Networking”** in the National Conference on Recent Trends in advanced Computing (NCRATAC-2008) organized by K.L.N college of information Technology, Madurai
- “Vehicle Tracking System using GPS/AVL”** in the National Conference on Emerging Trends in information and communication Technology (ETICT’09) organized by Saveetha Engineering College, Chennai.
- “Parallel view Maintaining using multiagents for integrated data viewing in warehousing”** in the National Conference on Computing and Communication (NCCC’10) organized by Ganadipathy Tulsi’s Jain Engineering College, Vellore, on February 19,2010.
- “Security Risk and solutions in cloud computing based on network and application level”** in the National Conference on Emerging Trends in information and communication Technology (ETICT’13) organized by Saveetha Engineering College, Chennai, on 3rd April 2013.
- “Cloud computing perspectives and comparison study of various cloud computing service providers”** in the 4th National Conference on Recent Advances in Computer Technologies(NCRACT’13) organized by Adhiparasakthi Engineering College, Chennai, on 10th April 2013. ISBN978-93-81208-21-2.
- “Blocking Blacklisting Anonymous users credentials in Anonymizing networks”** in the National Conference on Computing Communication Technology and Science organized by Muthayammal College of Engineering, Rasipuram, Nammakal District on 5th and 6th April 2013
10. **“Efficient cipher –SMS communication using symmetric algorithm”** in the National Conference on Recent Trends in Computing Communication (NCRATCC) organized by Sri SaiRam Engineering College, Chennai, on 10th April 2015.
11. **“Fractal Detection, Recognition Technique and Email spam filtering”** in the National Conference on Innovations in Communication and Computing Technologies(NCICCT’16) organized by Alpha College of Engineering, Chennai, on 12th February 2016.
12. **“Online transaction fraud detection system”** in the National Conference on Smart Innovations in Communications and Computing (NCSICC’19) organized by Sri SaiRam Engineering College, Chennai, on 5th March 2019.

International Conferences:

Number of Papers Presented : 2

“Comparison and implementation of Routing Protocol Techniques” in the 3rd International Conference on “Intelligent System and Control (ISCO’09) organized by Karpagam College of Engineering, Coimbatore.

“Privacy in Preserving Data Mining” in the 1st International Conference on “Innovations in contemporary IT Research (ICITR’12) organized by Quaid-E-Millath Government College for women, Chennai.

Journal publications : 3

“Binary Space partitioning Tree and its Application” in SSEC Tech Journal, 6th Edition.,2007.

“Semantic web search engine for retrieval of text document using hierarchical clustering” –ISSN 0975-2846 in SSEC Tech Journal, 8th Edition. 2009.

“Secure Demand Response Scheme Using Session Keys” is published in Volume 2, Issue 4, August 2015 at Elysium Journal of Engineering Research & Management

International Journal publications:1

“An approach for dynamically load balanced flow scheduling(DLBS) in cloud” is published in International journal of Engineering and Technology on 8th June 2018.It also published in SCOPUS DOI 10.14419/ijet.V7i2.33.14844 volume 7 No.2.33(2018).

PROFESSIONAL ACHIEVEMENT:

Had been the Question Paper Setter for various colleges like Karpagam Arts and Science College, Coimbatore and P.S.G Arts and Science College, Coimbatore, Sathyabama University, Chennai, Madras Christian College, Chennai.

Had been handling classes for PU-LC twinning program from January 2008 to May 2012 for the MBA(Fin),(IB),(HR) and MA(HRM) programme.

Had been the External Practical Examiner for Anna University Distance Education.

Had been the External Practical Examiner for Madras Christian College, Chennai.

Patent Grant:

Patent Grant on “TWO WAY COMIUNICATION PROCESSOR BETWEEN DEAF AND DUMB PEOPLE AND NORMAL PEOPLE AND ITS METHOD THEREOF”, Patent Number : 202341071314, 03.11.2023.

2.Patent Grant on “SYSTEM AND METHOD FOR AI-BASED DIETARY CONSTRAINT DETECTION AND MEAL RECOMMENDATION USING OCR, NAMED ENTITY RECOGNITION,AND SEQ2SEQ MODELS”, Patent No. No.202541015757, 07.03.2025.

SCOPUS PUBLICATIONS

Combination of NumPy, SciPy and Matplotlib/Pylab-A good alternative methodology to MATLAB-A Comparative analysisRanjani, J., Sheela, A., Pandi Meena, K.Proceedings of 1st International Conference on Innovations in Information and Communication Technology Iciict 2019, 2019, 8741475

Segmentation of Brain Tumor in Deep LearningSheela, A. Icpects 2020 IEEE 2nd International Conference on Power Energy Control and Transmission Systems Proceedings, 2020, 9337006

3.Crop Yield Prediction Using Machine Learning AlgorithmRanjani, J., Kalaiselvi, V.K.G., Sheela, A., Deepika Sree, D., Janaki, G.Proceedings of the 2021 4th International Conference on Computing and Communications Technologies Iccct 2021, 2021, pp. 611–616

4. Virtual Haulage Rama Nanditha, V.D.S., Navina Shri, P.S., Sheela, A. 2022 1st International Conference on Computational Science and Technology Iccst 2022 Proceedings, 2022, pp. 230–234
5. Voice Assistant System Selvaganapathy, G., Thirugnanam, M., Sheela, A. 2022 1st International Conference on Computational Science and Technology Iccst 2022 Proceedings, 2022, pp. 1025–1030
6. Reimagining Altruism in the Technological Era: Nurturing Societal Welfare and Contributions Through Collaborative Digital Platforms Navina Shri, P.S., Nanditha, V.D.S.R., Sheela, A. 2023 Intelligent Computing and Control for Engineering and Business Systems Iccsbs 2023, 2023
7. Detecting Fuel Theft with Arduino Madhavan, A., Santhosh Sivan, J., Ayyaraja, Sheela, A. 2nd International Conference on Emerging Trends in Information Technology and Engineering Icite 2024, 2024
8. NutriGaze: AI-Driven Dietary Planning with OCR and NLP Sheela, A., Sankar, S., Arun Mozhi, S., Vignesh, C.K. 4th International Conference on Power Energy Control and Transmission Systems Harnessing Power and Energy for an Affordable Electrification of India Icepts 2024, 2024
9. Bi-Directional Communication Between the Deaf and Dumb People and Normal People Divya, D., Aishwarya, V., Sahana, L., Sheela, A. 2024 International Conference on Communication Computing and Internet of Things Icc3iot 2024 Proceedings, 2024
10. AI-Powered Optimization and Integrity of Hydro Power Plants Sheela, A., Navneeth, S., Yokeshwaran, M., Sanjeevi, A. 2025 International Conference on Computing and Communication Technologies Iccct 2025, 2025.

DETAILS OF MEMBERSHIP IN PROFESSIONAL BODIES

Sl.No	Name of the Professional body	Membership No.	Nature of Membership
1	IEEE Membership	98092394	DEC 2026
2	THE INDIAN SOCIETY FOR TECHNICAL EDUCATION	ISTE 45291	LIFE MEMBER
3	ORCID	0000-0002-3762-7603	LIFE MEMBER
4	ResearcherID	I-9800-2016	LIFE MEMBER