


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

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Name & Photo :	<b>A.SHEELA</b> 
Designation:	Associate Professor
Qualification :	MCA., M.Tech
Area of Specialization :	Data Base Management System, Computer Networks
Experience :	Teaching : PG : -20 YEARS
No. of workshop / Conferences / FDP attended:	22 /14 / 8
Publications :	Journals National : 1 International :- Conferences National : 10 International : 2
Research Guidance :	NIL
General :	<ul style="list-style-type: none"> <li>• Acted as Symposium Coordinator</li> <li>• Acted as Cultural Coordinator</li> <li>• Acted as Project &amp; Mini-project Coordinator</li> <li>• Class Committee Coordinator</li> <li>• Sports Coordinator</li> <li>• Acted as a Resource Person for various programmers in distance education, Chennai</li> <li>• NTPEL exam-Elite grade with silver for The Joy of computing using Python Database Management system, Cloud Computing, Introduction to IOT, Cloud Computing and Distributed Systems</li> </ul>
Staff Achievements:	<ul style="list-style-type: none"> <li>• Produced Centum results in the following subjects: "Business Data Processing" (twice),"Distributed Computing"," Management Information System" ," Business Process" ,"Web Graphics"</li> </ul>

	<p>(twice),”Computer Graphics (twice)”,”Mobile Computing”, “Computer programming”</p> <ul style="list-style-type: none"> <li>Published paper in reputed International Journals.</li> <li>Presented papers in various National and International Conferences.</li> <li>ICT Academy Certified Trainer in C Programming</li> </ul>
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### 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

### Professional Experience:

Sl. No	College/Organization	Designation	Period From To	Total period
1.	Mother Teresa Women’s University, Chennai-15	Lecturer	July 2001 July 2002	1 Years
2.	Sri Sai Ram Engineering College	Lecturer	June 2003 July2008	5 Years
3.	Sri Sai Ram Engineering College	Assistant Professor	August2008 July 2012	4 Years
4.	Sri Sai Ram Engineering College	Assistant Professor-I	Aug 2012 July 2014	2 Years
5.	Sri Sai Ram Engineering College	Associate Professor	Aug 2014 Till date	4 Years

**Resource Person for Distance Education:**

University	Distance Education Courses
Mother Teresa Women's University	MCA
Alagappa University	BCA, MCA, M.Sc(IT)
Pondicherry University	BCA,MCA,PGDCA,MBA(Fin),(IB),(HR),MA(HRM)
Tamil Nadu Open University	BCA,MCA,PGDCA
Bharathidasan University	M.Sc(IT)
Madras University	MCA

**Subject Handled:**

- Database Management System
- Relational Database Management System
- Computer Graphics
- Computer Networks
- Object Oriented Analysis and Design
- C,C++
- Software Engineering
- Principles of Compiler Design
- Web Graphics
- System Analysis and Design
- Operating System
- Business Data Processing
- Business Process
- Digital Electronics
- Artificial Intelligence
- Distributed Computing
- Principles of IT
- Computer Fundamentals
- Management Information System
- Human Resource Information System
- Research Methodology
- Software Quality Management
- Computer Programming
- Computer Architecture
- Python Programming
- Principles of Management
- Distributed Systems

**MAJOR SEMINARS/WORKSHOPS ORGANISED/PARTICIPATED:**

1. Had been in the organizing committee in the National conference NCDK ‘ 05 on Distributed Computing and Knowledge Engineering at Sri Sai Ram Engineering college.
2. Had been in the organizing committee in the National conference NCRC ‘ 07 on Research & Challenges in IT at Sri Sai Ram Engineering college.
3. Had been in the organizing committee in a Workshop on “KM- Best Practices” at Sri Sai Ram Engineering College.
4. Had Been in the organizing committee in the National conference NCBI ‘ 08 on Business Intelligence at Sri Sai Ram Engineering college.
5. Had been in the organizing committee in the National Conference on “Information & Communication Technology” at Sri SaiRam Engineering College, Chennai.
6. 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 SaiRam Engineering College, Chennai.
7. Had been the **coordinator** in the National Level Technical Symposium 2009”INFOGEDDON 2k9” at Sri Sai Ram Engineering college on 12<sup>th</sup> September 2009.
8. Had been participated in 12 days seminar on “**Mobile Networks**” conducted by information technology at Sri SaiRam Engineering College, Chennai.
9. Had been participated in two days Staff Development Programme on “**Algorithms – Design, Analysis and Applications**” at Sri SaiRam Engineering College, Chennai.
10. Techno Cultural fest “**INFOGEDDON**” during every academic year with a variety of technical events and address by giants from the Industry.
11. Had been Participated in **Staff Development programme** on “**Recent trends in Computer Network**” on 21-28<sup>th</sup> April 2010 conducted by Saveetha Engineering College
12. 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 20<sup>th</sup>- 26<sup>th</sup> April 2011 at Sri SaiRam Engineering College, Chennai.
13. Had been participated in two days Staff Development Programme on “**Case Tools Environments and Workbenches**” on 21<sup>st</sup> and 22<sup>nd</sup> December 2011 at Sri SaiRam Engineering College, Chennai.
14. Had been participated in certificate course on “**Oracle Database 11g: Administration Workshop I Ed 2**” conducted by at Sri SaiRam Engineering College, Chennai, from 6<sup>th</sup> February to 10<sup>th</sup> February 2012.
15. 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 12<sup>th</sup> December 2012.
16. Had been Participated in National Level Seminar on “**Cloud Computing and mining**” conducted at Sri SaiRam Engineering College, Chennai, on 26<sup>th</sup> and 27<sup>th</sup> September 2013.
17. Had been participated in One day workshop on “**Mobile Cloud Computing**” on 4<sup>th</sup> April 2013 at Velammal Engineering College
18. Had been Participated in Faculty Development Programme on “**Cloud Computing**” on 5<sup>th</sup> May 2014 at Sri SaiRam Engineering College, Chennai.
19. Had been Participated in Three days Faculty Development Programme on “**Python Programming**” on 9<sup>th</sup> to 11<sup>th</sup> August 2017 at Jeppiaar Engineering College, Chennai
20. Had been Participated in Faculty Connect Programme on “**Problem Solving and Python Programming**” on 5<sup>th</sup> ,6<sup>th</sup> June 2018 at Sairam Institute and Technology Chennai

21. Had been participated in Faculty Development Programme on **“Problem Solving and Python Programming”** sponsored by Anna University on 11<sup>th</sup> to 18<sup>th</sup> June 2018 at Sri SaiRam Engineering College, Chennai.
22. Had been participated in Five days Faculty Development Programme on **“NextGen TechStack”** on 8<sup>th</sup> and 12<sup>th</sup> April 2019 at Sri SaiRam Engineering College, Chennai.

## **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 (NCRTAC-2008) organized by K.L.N college of information Technology, Madurai
5. **“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.
6. **“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.
7. **“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 3<sup>rd</sup> April 2013.
8. **“Cloud computing perspectives and comparison study of various cloud computing service providers”** in the 4<sup>th</sup> National Conference on Recent Advances in Computer Technologies(NCRACT’13) organized by Adhiparasakthi Engineering College, Chennai, on 10<sup>rd</sup> April 2013. ISBN978-93-81208-21-2.
9. **“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 5<sup>th</sup> and 6<sup>th</sup> April 2013
10. **“Efficient cipher –SMS communication using symmetric algorithm”** in the National Conference on Recent Trends in Computing Communication (NCRTCC) organized by Sri SaiRam Engineering College, Chennai, on 10<sup>th</sup> 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 12<sup>th</sup> 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 5<sup>th</sup> March 2019.

### **International Conferences:**

#### **Number of Papers Presented : 2**

1. **“Comparison and implementation of Routing Protocol Techniques”** in the 3<sup>rd</sup> International Conference on “Intelligent System and Control (ISCO’09) organized by Karpagam College of Engineering, Coimbatore.
2. **“Privacy in Preserving Data Mining”** in the 1<sup>st</sup> International Conference on “Innovations in contemporary IT Research (ICITR’12) organized by Quaid-E-Millath Government College for women, Chennai.

#### **Journal publications : 3**

1. **“Binary Space partitioning Tree and its Application”** in SSEC Tech Journal, 6<sup>th</sup> Edition.,2007.
2. **“Semantic web search engine for retrieval of text document using hierarchical clustering”** –ISSN 0975-2846 in SSEC Tech Journal, 8<sup>th</sup> Edition. 2009.
3. **“Secure Demand Response Scheme Using Session Keys”** is published in Volume 2, Issue 4, August 2015 at Elysium Journal of Engineering Research & Management.
4. **“Performance Of Lung Cancer Prediction At Earlier Stage Using Neural Networks”**  
**Journal of the Gujarat Research Society, Vol. 21 No. 17 (2019)**

### **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 8<sup>th</sup> June 2018.It also published in SCOPUS DOI 10.14419/ijet.V7i2.33.14844 volume 7 No.2.33(2018).
2. **“Blockchain in India”** published in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1S, October 2019.
3. **“Augmented Reality in Military Applications”** published in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1S, October 2019.
4. **“Military Database Security via Justapose Database shuffling”** published in International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1S, October 2019.
5. **“Data Imputation in Wireless Sensor Networks using Regression Models”**, published in International Journal of Advanced Trends in Computer Science and Engineering  
Available Online at <http://www.warse.org/IJATCSE/static/pdf/file/ijatcse252952020.pdf>

6. “Segmentation of brain tumor in deep learning” published in IEEE second International Conference Power, Energy, Control and Proceedings Transmission Systems. ICPECTS 2020” during 10th and 11th of December 2020

#### **PROFESSIONAL ACHIEVEMENT:**

1. 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.
2. 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.
3. Had been the External Practical Examiner for Anna University Distance Education.
4. Had been the External Practical Examiner, Question Paper setter for Madras Christian College, Chennai.

#### **DETAILS OF MEMBERSHIP IN PROFESSIONAL BODIES**

<b>Sl.No</b>	<b>Name of the Professional body</b>	<b>Membership No.</b>	<b>Nature of Membership</b>
1	THE INDIAN SOCIETY FOR TECHNICAL EDUCATION	ISTE 45291	LIFE MEMBER
2	ORCID	0000-0002-3762-7603	LIFE MEMBER
3	ResearcherID	I-9800-2016	LIFE MEMBER
4	<b>IEEE</b>	<b>98092394</b>	2021-2022
5	<b>IAENG</b>	<b>305365</b>	<b>Life Member</b>

- **IEEE - 98092394**
- **ISTE - LM 45291 – Life Member**

- **IAENG – 305365 - Life Member**

**Personal Details:**

Father's Name: Mr. G. Asirvatham (Late)

Sex: Female

Date of Birth: 15/07/1975

Nationality: Indian

Marital Status: Married

Language Known: Tamil and English

**Yours Faithfully,**

A handwritten signature in dark ink, appearing to read 'A. Sheela', with a horizontal line drawn underneath the name.

**(A.Sheela)**