


SRI SAI RAM ENGINEERING COLLEGE,CHENNAI-44

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Photo:	 Dr.G.Manimala
Designation:	Associate Professor / CSE, Sri Sai Ram Engineering College
Qualification :	B.E., M.E., Ph. D
Other Qualification:	Diploma in Unix, C & Oracle Diploma in Computer Studies Completed SAP BI course
Area of Specialization :	Cloud Computing, Internet of Things, Machine Learning & Big Data
Experience :	Teaching : UG: 26.2 Years PG: 15.2 Years
No. of Workshop / Conferences / FDP attended :	15 / 32 / 45
Publications:	Journal: International : 24 National: 01 Conference: National: 10 International:2 6
Patent	National: 5 International: 1

Membership:	<ul style="list-style-type: none"> ● Life Member, Indian Society for Technical Education(LMISTE) ● Member, International Association of Engineers(IAENG) ● Senior Member, IEEE ● Member, IFERP ● Fellow Member, IETE
Staff Achievements:	<ul style="list-style-type: none"> ❖ Received “Best Paper” from Dr MGR Educational and Research Institute, 2022. ❖ Received “Best Women Faculty Award” from ICETSEM 2021 ❖ Published papers in reputed National and International Journals. ❖ Presented papers in various National and International Conferences. ❖ Published papers in Scopus Indexed Journals. ❖ Produced Centum result in many handled subjects ❖ Completed more than 70+ courses in Course Era, Udemy etc.

Qualification:

S. No	Degree & Branch	College & University	Month & Year of Completion
1.	B.E. CSE	Jerusalem College of Engineering University of Madras	May 1999
2.	M.E Computer & Communication (Part Time)	Sri Sai Ram Engineering College, Chennai Anna University	May 2011
3.	Ph.D (Information and Communication Engineering)	Anna University	June 2024

Professional Experience:

S. No	College / Organization	Designation	Period	
			From	To
1.	Rajalakshmi Engineering College, Chennai	Lecturer	29.10.1999	06.07.2000
2.	Sri Sai Ram Engineering College, Chennai	Lecturer	07.07.2000	31.07.2007
		Senior Lecturer	01.08.2007	31.07.2008
		Assistant Professor	01.08.2008	31.07.2011
		Associate Professor	01.08.2011	Till date

BOOKS Published:

1. Published a Book - “Compiler Design Concepts and Techniques”, Blue Ink Publishing house.
2. Published a Book “Artificial Intelligence And Machine Learning Concepts”, Good Writers Publishing.
3. Published a book – “Python Programming- Fundamental Design principles of Python”, Notion Press, 2023, ISBN-13: 979-8892331234.

BOOK Chapters:

1. “An Indigenous Gadget for Colleen Security”, in the book **Scope of Federated Learning in Next Gen Industrial Systems**”, 2022
2. “Wireless networking providing extraordinary quality of experience for Camera” in the book **Cloud Computing with Wireless Network and Pattern Recognition**, 2021.
3. “Supply Chain and Lean Six Sigma Analytics” in the book **Management Analytics and Software Engineering**, 2020.
4. “Project and Programme Analytics” in the book **Management Analytics and Software Engineering**, 2020.

AWARDS:

1. **Best Paper Award** for the paper “Hierarchical Method in Cloud for Maintaining Data Integrity After Revocation” presented in 7th National Conference ICON’ 22 on “Recent Trends in AI & Data Science” by Dr.M. G. R Educational and Research Institute on 28th April, 2022.
2. **Mentor award** for Mentee’s Skillrack Performance, Sri Sai Ram Engineering College for the year 2021.

3. **Excellence for Women in Faculty Award** presented by International Journal of MC Square Scientific Research organized in Jan 2021.

PATENTS:

1. **Cooperative Sensing, Communication and Control of IoT Network using Machine Learning Algorithms – Patent Granted in 2020.**
2. **LI-FI BASED STEREO AUDIO STREAMING TECHNOLOGY – Patent Published in 2020.**
3. **Cardio Vascular Disease Prediction System using Machine Learning – Patent Published in 2022.**
4. **Sarcasm detection in chat bot replies using improved support vector machine learning techniques- – Patent Published in 2023.**
5. **A system for cryptographic insights of Air quality prediction with machine learning – Patent Published in 2024.**

NITTT

1. Completed **Online Orientation Training Programme for Mentors** organized from 5th to 9th July 2021 under **National Initiative for Technical Teachers Training**.
2. Completed AICTE - NITTT Modules:

AICTE - NITTT - Module 1 - Orientation towards Technical Education and Curriculum Aspects

AICTE - NITTT - Module 2 Professional Ethics & Sustainability

AICTE - NITTT - Module 3 - Communication Skills, Modes & Knowledge Dissemination

AICTE - NITTT - Module 4 - Instructional Planning and Delivery

AICTE - NITTT - Module 5 - Technology Enabled Learning & Life Long Self Learning AICTE -

NITTT - Module 6 Student Assessment and Evaluation

AICTE - NITTT - Module 7 Creative Problem Solving, Innovation and Meaningful R & D

AICTE - NITTT - Module 8 - Institutional Management & Administrative Procedures

NPTEL

Completed the following NPTEL Courses:

1. **Introduction to Human Computer Interaction**
2. **Outcome based pedagogic principles for effective teaching**
3. **Cloud Computing**
4. **Big Data Computing**
5. **Design and Implementation of Human Computer Interfaces**
6. **Deep Learning**
7. **Python for Data Science**
8. **Introduction to Machine Learning**
9. **Business Intelligence and Analytics**
10. **Introduction to Internet of Things**
11. **Learning Analytics tool**

12. Introduction to Operating Systems

REVIEWER

1. **Reviewer** in the 4th IEEE International Conference on Distributed Computing and Electrical circuits and Electronics organized by IEEE SB, Ballari Institute of Technology and Management, Ballari, on April 25-26, 2025.
2. **Reviewer** in the International Conference on Intelligent Systems and Computational Networks (ICISCN 2025) organized by Lingraj Appa Engineering College, Bidar, on January 24-25, 2025.
3. **Reviewer** in the 4th IEEE International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC 2024) organized by Department of Computer Science and Engineering, Institute of Science, Hindu Banaras University, Varanasi, on December 19-21, 2024.
4. **Reviewer** in the 4th International Conference on Mobile Networks and Wireless Communication organized by Department of Electronics and Telecommunication Engineering, Siddhartha Institute of Technology, Tumkaaru, in association with IEEE Bangalore section, on December 4-5, 2024.
5. **Reviewer** in the 2nd IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS-2024) organized by Department of Electronics and Communication Engineering, H.K.E Society's Sir M Vishvesvaraya College of Engineering, Raichur, on February 23-24, 2024.
6. **Reviewer** in the IEEE International Conference on Distributed Computing and Optimization Techniques (ICDCECE-2024) organized by SJB Institute of Technology, Bengaluru, on March 15-16, 2024.
7. **Reviewer** in the 3rd IEEE International Conference on Distributed computing and Electrical Circuits and Electronics (ICICACS-2024) organized by IEEE SB Ballari Institute of Technology and Management, Ballari, on April 26-27, 2024.
8. **Reviewer** in the Springer - International Conference on Wireless Communication and Internet of Everything (ICWCIE-2024) organized by Department of Electronics and Communication Engineering, Sri Siddhartha Institute of Technology, Tumakuru, on June 21 & 22, 2024.
9. **Reviewer** in the 2nd IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS-2024) organized by Department of Electronics and Communication Engineering, H.K.E Society's Sir M Vishvesvaraya College of Engineering, Raichur, on February 23-24, 2024.
10. **Reviewer** in the 3rd IEEE International Conference on Advanced Technologies and

Intelligent Computing (ANTIC-2023) organized by Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, on December 20-22, 2023.

11. **Reviewer** in the 1st IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS-2023) organized by Sharnbasva University, Kalaburagi, on November 24-25, 2023.
12. **Reviewer** in the IEEE International Conference on Evolutionary Algorithms and Soft Computing(EASCT-2023) organized by R V Institute of Technology and Management, Bengaluru, on October 20-21, 2023
13. **Reviewer** in the IEEE International Conference on Applied Intelligence and Sustainable Computing (ICAISC-2023) organized by Sri Dharmasthala Manjunatheswara College of Engineering and Technology, Dharwad, on 16th -17th June 2023.
14. **Reviewer** in the IEEE International Conference on Data Science and Information System (ICDSIS-2022), organized by the Malnad College of Engineering, Hassan, India in association with IEEE Bangalore Section and IEEE Mysore Subsection on 29th-30th July, 2022.
15. **Reviewer** for IEEE MYSURUCON 2022-The 2nd Edition of the Mysore Subsection, Flagship International Conference on 16th & 17th October 2022.
16. **Reviewer** in the 2nd International Conference on Mobile Networks and Wireless Communications (ICMNWC-2022), organized by the Sri Siddhartha Institute of Technology, Tumakuru, India in association with IEEE Bangalore Section on 2nd-3rd December, 2022.
17. **Reviewer** for fourth International Conference on Computing and Communication Technologies (ICCT'21) held on 16th and 17th December 2021 conducted by Department of Information Technology.
18. **Session Chair and Reviewer** for the National Conference in Smart Innovations in Communications and Computing (NCSICC'22) held on 24th March 2021 conducted by Department of CSE.

Funding:

- Received Funding of Rs.10000 from TNSCST for the project "Smart Agriculture with centralized database" in the year 2015.
- Received Funding of Rs.1,00,000 from Sairam IEDC for the project "Smart Agriculture with centralized database" in the year 2015.

Responsibilities:

- **Autonomous Coordinator**
- **Alumni Coordinator for the Department**
- **NBA- Criterion 4 Coordinator**
- **Year Coordinator**
- **Department Advisory Board Member- CSE & ECE**
- **Innovators – Research Grant Team member**
- **CSE Dept. - Career Guidance Cell Coordinator**
- **Co-Chair in the IEEE technically sponsored International Conference on “Computational Science and Technology” (ICCST’22)**
- **Project Coordinator (UG & PG)**
- **Mini project Coordinator**
- **Founder – Startup - “Future ‘8 Technologies”- registered under MSME UDYAM.**
- **Industry Trainer**
- **Initiated and organized events for signing of MoU between CSE and**
 - i) **Germinite**
 - ii) **Timeless Technologies**
 - iii) **REAP MOR Ventures**
- **ATL MENTOR of Atal Innovation Mission**
- **Code club Scope membe - Propagator**
- **Department Scope member – Propogator**
- **IEEE Cloud Community Scope member – Strategist**
- **START Scope member – Strategist**

Publications:

- **G. Manimala, Dhivya Sree Sankaran, P. Logavarshini and Vandana Prasad, "Optimizing Kyphoplasty Proficiency Through Virtual Reality," 2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India, 2025, pp. 2169-2174, doi: 10.1109/ICESC65114.2025.11212500.**
- **G. Manimala, P. Kavitha, Thanuja. Babu, Ishwarya Varadarajan, Ptiyadharshini. M and Divyashree Sankaran, "Smart Energy Consumption and Theft Detection Using IoT," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-5, doi: 10.1109/ICPECTS62210.2024.10780306.**
- **G. Manimala, A. Chinnasamy, T. Sathieskumar, R. Kaviya and Kavee Arasan. CS, "Cloud Service Authentication Using Attribute-Based Pseudonymity For Ensure Privacy," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024,**

pp. 1-7, doi: 10.1109/ICPECTS62210.2024.10780197.

- G. Manimala, Selvakrishnan, R. Sanchana, P.Kavitha, V.Kavitha “Parkinson’s Disease Progression using Deep structured Algorithm”, *Journal of Propulsion Technology*, ISSN:1001-4055, Vol. 45(1), 2024, <https://doi.org/10.52783/tijpt.v45.i01.4282>.
- V. Lalitha, G. Manimala, K. Magesh, G. Youkesh and A. Selvanarayanan, "Empowering Rural Communities through Intelligent Surveillance for Suspicious Activity Detection," *2024 International Conference on Communication, Computing and Internet of Things (IC3IoT)*, Chennai, India, 2024, pp. 1-4, doi: 10.1109/IC3IoT60841.2024.10550385.
- G. Manimala, Anushree. U, Gayathri. M and Shivani. T. S, "Auto Climate Deducer using Data Science and Machine Learning," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 1-5, doi: 10.1109/ICCEBS58601.2023.10449299.
- P. Kavitha, G. Manimala, R. Sanchana and Anushree. U, "Malaria Detection Using Neural Network," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 01-05, doi: 10.1109/ICCEBS58601.2023.10449217.
- Manimala. G, Swarnalakshme. V, Kaviya. R and Thanuja. S, "IOT-Based Smart Speed Controller for E-Vehicles," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 1-5, doi: 10.1109/ICCEBS58601.2023.10449286.
- G. Manimala, Anushree. U, Gayathri. M and Shivani. T. S, "Tourism Prediction Using Clustering and Time Series Modelling," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 1-7, doi: 10.1109/ICCEBS58601.2023.10449026.
- G. Manimala, P. Kavitha, S. S and S. T. S, "Perpetual Preservation of Pesticide Free Products Using IoT," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 1-5, doi: 10.1109/ICCEBS58601.2023.10448908.
- Kavitha. V, Manimala. G, Kothai. S and Rashmi. T, "Blind Cicerone," *2023 Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)*, Chennai, India, 2023, pp. 1-7, doi: 10.1109/ICCEBS58601.2023.10448620.
- G. Manimala, A. Chinnasamy, “Hybrid Chameleon and Honey Badger Optimization Algorithm for QoS-Based Cloud Service Composition Problem”, *Computer Systems Science and Engineering* 2023, 47(1), 393-412. <https://doi.org/10.32604/csse.2023.037066>
- G. Manimala and M. Keerthana, "Hierarchical Method in Cloud Security for Maintaining Data Integrity After Revocation," *2022 1st International Conference on Computational Science and*

Technology (ICCST), CHENNAI, India, 2022, pp. 625-630, doi: 10.1109/ICCST55948.2022.10040477.

- G. Manimala, P. Kavitha, C. Lekha, S. Malavika and J. Kavitha, "SuRe VISION," *2022 International Conference on Communication, Computing and Internet of Things (IC3IoT)*, Chennai, India, 2022, pp. 1-6, doi: 10.1109/IC3IoT53935.2022.9767983.
- Dharaani. A, Rajpriya. R and Manimala. G, "Translation of Manual Script to Automated Script," *2022 1st International Conference on Computational Science and Technology (ICCST)*, CHENNAI, India, 2022, pp. 359-363, doi: 10.1109/ICCST55948.2022.10040372.
- Manickha Raghavi. B, Nivedha. K and Manimala. G, "Criminal Incidence Prediction," *2022 1st International Conference on Computational Science and Technology (ICCST)*, CHENNAI, India, 2022, pp. 830-834, doi: 10.1109/ICCST55948.2022.10040413.
- K. Haridass, Lekha. C, Manimala. G, P. Madhavan and R. Durai, "Electricity Consumption Data Analysis Using Spark Framework," *2022 1st International Conference on Computational Science and Technology (ICCST)*, CHENNAI, India, 2022, pp. 187-191, doi: 10.1109/ICCST55948.2022.10040282.
- C Viswanathan, P Sailaja, G Manimala and V Prasanna Srinivasan, "Learning Based Download of Health Care Confidentiality Apps lot with Power Storage", *2021 J. Phys.: Conf. Ser.* 1964 042094, DOI: 10.1088/1742-6596/1964/4/042094.
- Narasima Venkatesh, G. Manimala, P. Kiran Kumar Reddy, S. S. Arumugam, "IoT based solid waste management system: A conceptual approach with an architectural solution as a smart city application", *AIP Conf. Proc.* 2519, 030046 (2022), <https://doi.org/10.1063/5.0110225>
- P. Haritha, V. Kavitha and G. Manimala, "Protection & Privacy Embedding Blockchain Established Fraud Detection," *2022 International Conference on Applied Artificial Intelligence and Computing (ICAAIC)*, Salem, India, 2022, pp. 1437-1444, doi: 10.1109/ICAAIC53929.2022.9792962.
- G. Manimala, V. Kavitha, P. Kavitha, D. Madhumitha, V. Pragathy, "Automated Ambulance Detection", *AIP Conf. Proc.* 2464, 060003 (2022), <https://doi.org/10.1063/5.0082643>.
- Kavi Varun Sathyamurthy, A. R. Shri Rajmohan, A. Ram Tejaswar, Kavitha. V and G. Manimala, "Realtime Face Mask Detection Using TINY-YOLO V4," *2021 4th International Conference on Computing and Communications Technologies (ICCCT)*, Chennai, India, 2021, pp. 169-174, doi: 10.1109/ICCCT53315.2021.9711838.

- C Viswanathan , P Sailaja , G Manimala , and V Prasanna Srinivasan, “Learning Based Download of Health Care Confidentiality Apps lot with Power Storage”, *Journal of Physics: Conference Series* 1964 (2021) 042094 IOP Publishing doi:10.1088/1742-6596/1964/4/042094.
- V Prasanna Srinivasan, C Viswanathan, P Sailaja, G Manimala, “Network Virtualization Incorporation and Projection System Technologies Using Block Chaining”, *Journal of Physics: Conference Series* 1964 (2021) 042054, IOP Publishing, doi:10.1088/1742-6596/1964/4/042054.
- Kavitha. V, Manimala. G, Abinaya. V and Aarthi, "Framework For Information Analysis of the Scientific Literature using Machine Learning," *2020 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)*, Chennai, India, 2020, pp. 1-5, doi: 10.1109/ICPECTS49113.2020.9336984.
- Manimala. G, Kavitha. V, P. P and V. G, "Monitoring Mental Health Using Physiological Signals," *2020 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)*, Chennai, India, 2020, pp. 1-9, doi: 10.1109/ICPECTS49113.2020.9336992.
- V. Kavitha, G. Manimala, R. Gokul Kannan, "AI-Based Enhancement of Base Station Handover", *Procedia Computer Science*, Volume 165, 2019, Pages 717-723, ISSN 1877-0509, <https://doi.org/10.1016/j.procs.2020.01.025>.
- G.Manimala, A.Ganesh Kumar, N.Ganesh Kumar, L.Nithyanandham, “UNDERWATER IMAGE ENHANCEMENT USING MACHINE LEARNING THROUGH EMBEDDED SYSTEM” *Journal of the Gujarat Research society*, ISSN: 0374-8588, Volume 21 Issue 17, December 2019.
- Manimala.G, Kavitha.V, Abinaya.V, Nisha G.Mathur, “Data Capture from Medical Device using Augmented Reality”, *International Journal of Engineering and Advanced Technology (IJEAT)*, ISSN: 2249 – 8958, Volume-9 Issue-1S, October 2019.
- G.Manimala, S.Roselin, G.Rajalakshmi, K.Balachandran, “Healthline Management System using Android Application”, 2019 *JETIR* May 2019, Volume 6, Issue 5 www.jetir.org (ISSN-2349-5162).
- Manimala.G, Akshayaa Rajeswari.M, Lavanya.C, Semmalar.K, “Periodic Analysis Of Medbox And Notification Of Medicine Expiry based on QR CODE analysis”, *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol. 8, Special Issue 3, Dec 2018, 1008-1015
- Manimala, G.; Suganya, M, “A QOS Aware Dynamic Service Composition in Cloud Environment”, *Medico-Legal Update*, 2018, Vol 18, Issue 1, p519, ISSN:0971-720X, DOI:10.5958/0974-1283.2018.00111.1
- T Santosh, G Manimala, “Efficient Resource Management in Cloud Computing Using Green Control Algorithm”, *International Journal of Science & Innovative Engineering & Technology* Vol.1, ISBN:

978 – 81–904760–8–9.

- Asha Mohandas, Bhagyalakshmi. G, Manimala. G, “Portable, Robust and Effective Text and Product Label Reading, Currency and Obstacle Detection for Blind Persons”, International Journal of Innovative Research in Computer Science & Technology (IJRCST), ISSN: 2347-5552, Volume-2, Issue-2 and March-2014.
- S. Durgadevi, R. Indu, G. Manimala, “Fast Detection of Data leak Framework on mail server”, International Journal of Multee Disciplinary Research, Volume 3, Issue 2, mar/Apr 2017, ISSN:2454-1524.
- P Ashok, G Manimala, “Detecting and preventing the malicious system based on DNS analysis”, Journal of Computer Applications (JCA), 2013, ISSN: 0974-1925, Volume VI, Issue 3.

International Conferences:

Name & Venue	Paper Title	Date
Sixth IEEE Sponsored International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2026)	HyperFused Multi-Modal Deep Learning for Automated Acute Lymphoblastic Leukemia Detection and Subtype Classification	January 2026
6th International Conference on Electronics and Sustainable Communication Systems (ICESC), Coimbatore, India,	Optimizing Kyphoplasty Proficiency Through Virtual Reality	September 2025
International Conference on Communication, Computing and Internet of Things (IC3IoT), 2024	Empowering Rural Communities through Intelligent Surveillance for Suspicious Activity Detection	April 2024
International conference on Intelligent Computing and Control for Engineering and Business Systems, 2023	Auto Climate Deducer using Data Science and Machine Learning	December 2023
International conference on Intelligent Computing and Control for Engineering and Business Systems, 2023	Malaria Detection Using Neural Network	December 2023
International conference on Intelligent Computing and Control for Engineering and Business Systems, 2023	IOT-Based Smart Speed Controller for E-Vehicles	December 2023
International Conference on Applied Artificial Intelligence and Computing	Protection & Privacy Embedding Blockchain Established Fraud Detection	2022
International Conference on Computing and Communication Technologies	Realtime Face Mask Detection Using Tiny-Yolo V4	December 2021
2nd International Conference on Power, Energy, Control and Transmission Systems, December 2020	Framework For Information Analysis of the Scientific Literature using Machine	December 2020

	Learning	
2nd International Conference on Power, Energy, Control and Transmission Systems, December 2020	Monitoring Mental health using Physiological signals	December 2020
International Conference on Computational Science and Technology, Dept. of CSE/Sri Sai Ram Engineering College	Pneumonia Diagnosis Using Image Processing	05/03/2020 06/03/2020
International Conference on Computational Science and Technology, Dept. of CSE/Sri Sai Ram Engineering College	Automated Ambulance detection using Image Processing	05/03/2020 – 06/03/2020
International Conference On Recent Trends In Advanced Computing 2019, ICRTAC 2019	AI-Based Enhancement of Base Station Handover	December 2019
International conference on Advanced Information and Communication Technology ICAIC '18, Dept. of CSE / Karpagam College of Engineering	Flight Baggage Service in Cloud Environment	08 th and 09 th March 2018
International Conference on Contemporary Engineering and Technology, Dept. of CSE & IT, St. Josephs Institute of Technology	Systematic Evaluation of Medbox Using IoT and Intimation of Medicine Expiry based on QR Code Analysis	10 th and 11 th March 2018
International Conference on Advancement in Science, Engineering, Technology ICASET '18, Dept. of CSE / MPNMJ Engineering College	QoS Aware Cloud Service Composition for FBS	28 th March 2018
International conference on Computational Science and Technology, organized by dept of CSE, Sri SaiRam Engineering College	Integration of Patient Data Into PMD Using RESTAPI and Weighted Least Algorithm in E-Health Cloud System	9 th and 10 th March 2017.
International Conference & Emerging Trends in Engineering & Technology at Panimalar Institute of Tehnology	Efficient Resource Management in Cloud Computing Using Green Control Algorithm	7 th May 2016
International Conference on “Electrical, Communication and Computing (ICECC 2014)” conducted by Tagore Engg. College, Chennai.	Detecting and Recovering the BOTNETS activity based on DNS Investigation	13 th and 14 th March 2014
International Conference on “Information, Systems and Computing (ICISC '13)” conducted by Sri Sai Ram Engineering College, Chennai-44.	Secure Framework for Data Sharing in Cloud Computing Environment	4 th &5 th January 2013
IOAJ International Conference on “Computer Science & Information Technology (ICCSIT 2012)” held at Coimbatore.	Enhanced Security in Cloud using Multilevel Intrusion Detection System	21 st April 2012.
International Conference on “Computer Applications 2012 (ICCA 2012) conducted at GIPMER Auditoriums”, Pondicherry by the Association of Scientists, Developers and Faculty	Efficient Data Storage & Security using Data grid	27 th - 31 st January 2012
International Conference on “Innovative Computing, Information and Communication Technology (ICICT '09)” conducted by Sri Sai Ram Engineering	Secure Data Storage using Desktop Data grid	16 th – 18 th December 2009.

College, Chennai-44.		
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National Conferences:

Name & Venue	Paper Title	Date
National Conference on Recent Trends in AI & Data Science, Dr. MGR Educational and Research Institute	Hierarchical Method in Cloud for Maintaining Data Integrity After Revocation	28 April 2022
National Conference On Smart Innovations In Communications And Computing (NCSICC' 2021)	Smart Device for Women Safety	24 March 2021
National Conference On Smart Innovations In Communications And Computing (NCSICC' 2021)	SURE VISION	24 March 2021
National Conference On Smart Innovations In Communications And Computing (NCSICC'19)	Composition of multiple services using eagle strategy in cloud	5 th March 2019
National Conference On Smart Innovations In Communications And Computing (NCSICC'19)	Under Water Image Enhancement Using Machine Learning Through Embedded System	5 th March 2019
National Conference NCONNECT 2014 conducted by S.A Engg. College	Detecting and Recovering the BOTNETS activity based on DNS Investigation	7 th March 2014
National Conference AGNICON 2013 conducted by Dept. of IT , Agni College of Technology	"Optimal Stochastic Resource Sharing Service Provider on Cloud Computing"	March 2013
National Conference NCCIS 2012 conducted by PG and Research Department of DG Vaishnav College(Autonomous)	Secure Framework for Data Sharing in Cloud Computing Environment	12 th and 13 th October 2012
National Conference NISS 2010 conducted by Jeppiar Engineering College	Data Storage & Security using Data grid	5th March 2010.
National Conference NCETC '10 conducted by Sri Muthukumar Institute of Technology	Secure Data Storage using Desktop Data grid	12th February 2010
National Conference NCVIT '07 on Recent Advances on Computer Vision & Information Technology" conducted by Government College of Technology, Coimbatore.	Intelligent Chair	2007

4. List of Seminars / FDP / ISTE-STTP organized and participated:

FDP, SDP, WORKSHOP, SEMINARS ATTENDED
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Name of the Programme	Organized by	Date
FDP on Offensive Security – Pentesting	Department of IT, SSEC	30/6/2025 to 05/7/2025
Certificate course on Panchayat Raj and Rural Development	SIRD	June 2025
Exploring Wearable Tech and AI Innovations for personalized Healthcare	Rajalakshmi Engineering College	03 June to 7 June 2024
Inculcating Universal Human Values in Technical Education	All India Council for Technical Education in association with SSEC	10 th July to 12 th July 2023
Emerging Research trends in Computing Technologies	Dr. MGR Educational and Research Institute	28/11/2022 to 02/12/2022
Insights and Open Challenge in Computing Technologies	Sri Sai Ram Engineering College in association with ISTE & CSI	11/07/2022 to 15/07/2022
Data Science and Machine Learning using Python	Meerut Institute of Technology in association with Edunet Foundation	04/07/2022 to 08/07/2022
AICTE-ISTE Sponsored Refresher Program on Future Aspects of Block chain Technology and its Applications'	S. B. Jain Institute of Technology, Management & Research, Nagpur	28/01/2022 to 02/02/2022
FDP on Quantum Computing and Communications: New Paradigm	SRM University-AP, Andhra Pradesh	27/12/2021 to 31/12/2021
Online Six Day Anna University sponsored FDTF on CS8091 – BIG DATA ANALYTICS	E.G.S. Pillay Engineering College(Autonomous), Nagapattinam	15/12/2021 to 21/12/2021
ATAL FDP on Block chain Analytics And Big Data -The Future Of Business Process	Central University of Tamil Nadu	06/12/2021 to 10/12/2021
ATAL Online Elementary FDP on Design Thinking: Aspirations for Innovations	All India Shri Shivaji Memorial Society's College of Engineering.	29/11/2021 to 03/12/2021
ATAL Online Elementary FDP on Women Entrepreneurship: Opportunities from Ideation to Implementation	Entrepreneurship Development Institute of India.	25/10/2021 to 29/10/2021
ATAL FDP on Cloud Technology	INFLIBNET- an IUC of UGC	13/09/2021- 17/09/2021

Online Orientation Training Programme for Mentors	NITTTR, Chennai	05/07/2021-09/07/2021
AICTE-ISTE Sponsored Refresher Programme on Online Teaching- Learning Pedagogy	Knowledge Institute of Technology, Salem	01/03/2021-06/03/2021
ATAL FDP on Cloud Technology	NITTTR, Chennai	08/02/2021-12/02/2021
AICTE STTP on IoT with Blockchain - Applications and Challenges	Velalar College of Engg. & Technology, Erode, Tamilnadu	01/02/2021-06/02/2021
ATAL FDP on Big Data Analytics	Siddhartha Institute of Engineering & Technology.	25/01/2021-29/01/2021
ATAL FDP on AR/VR	Hindustan Institute of Technology & Science.	18/01/2021-22/01/2021
ATAL FDP on Blockchain	Chaitanya Bharathi Institute of Technology.	04/01/2021-08/01/2021
ATAL FDP on Data Sciences	IIIT, Vadodara	14/12/2020 to 18/12/2020
AICTE STTP on Cybersecurity and Blockchain	Sanjivani College of Engineering, Kopergaon, Pune	07/12/2020 to 12/12/2020
ATAL Online FDP on Cloud Technology	KKR & KSR Institute of Technology & Sciences, Guntur.	23/11/2020-27/11/2020
ATAL Online FDP on Artificial Intelligence	Rajagiri School of Engineering and Technology	19/10/2020-23/10/2020
National IP Literacy Week	Ministry of Education, Govt. of India.	15/10/2020 - 23/10/2020
Two Day National Open Workshop on "Getting Aligned to the Publishing Process"- Author Workshop, Scopus + ScienceDirect	Elsevier	25/09/2020 & 28/09/2020
Online Faculty Development Program On Data Science	Rajalakshmi Institute of Technology	24/08/2020-28/08/2020
Faculty Development Program on Salesforce Developer(Online Live FDP)	ICT Academy, Chennai	17/08/2020-22/08/2020
Webinar on "Connected Vehicles"	IET, Chennai Local Chapter	01/08/2020
Online Faculty Development Program on New Normal with Disruptive Technologies	Dr.M.G.R Educational and Research Institute	27/07/2020-31/07/2020
Amrita-Hebeon Webinar cum Workshop on Data Science using Python	Amrita College of Engineering and Technology, Nagercoil	17/06/2020-25/06/2020

Webinar on R & D Proposal Writing for Faculties	Sri Sai Ram Engineering College	12/06/2020
ATAL Online FDP on Artificial Intelligence	NITTTR, Chandigarh	25/05/2020 – 29/05/2020
International Workshop on Big Data Analytics	SSN College of Engineering, Chennai	28/05/2020-30/05/2020
Online FDP on Python	Adhiparasakthi Engineering College	16/04/2020 – 22/04/2020
Online AICTE Recognized Faculty Development Program on Cloud, Fog and Edge Computing	NITTTR, Chandigarh	14/04/2020 – 18/04/2020
AICTE FDP on Internet of Things	NITTTR, Chandigarh	10/04/2020 – 14/04/2020
FDP on Declarative Development for Platform App Builders	ICT Academy , SreeSastha Institute of Engineering & Technology	18/03/2019 – 22/03/2019
Two Week FDTP on EC 6802 –Wireless Networks	Anna University(SSIT)	05/12/2018 – 17/12/2018
FDP on Artificial Intelligence, Machine Learning , Cloud Computing and their Applications	Dept of CSE, Valliammai Engineering College	29/11/2018 – 04/12/2018
Workshop on Ideation and Proposal Formulation	PALS, Rural Technology Action Group, IIT Madras	09/11/2018
TraintheTrainerprogramonSSC/Q0923Q P- Security Infrastructure Specialist	IT-ITeSSSc NASSCOM	29/10/2018 – 03/11/2018
FDP on Red Hat Linux Administration and Industry Adaptation	Advantage Pro in association with SSEC	05/12/2017
FDP on Data Sciences & Big Data Analytics	DELL EMC in association with SSEC	11/09/2017-15/09/2017
FDP on IOT	ICT Academy in association with Jerusalem College of Engg.	26/7/2017-27/07/2017
FDTP on CS6703 Grid and cloud computing	Sri Sai ram Institute of Technology	8/6/2017-16/7/2017
FDP on Grid and Cloud Computing	Sri Sai Ram Engineering college	08/09/2016-09/09/2016
FDP on Grid, Cloud Computing and Data Mining	Sri Sai Ram Engineering College	20/06/16 – 24/06/16

FDP on Cloud computing and Big Data	Department of CSE Sri Sai Ram Engineering College	8/12/2014 &9/12/2014
FDP on Cloud Computing	Department of IT And TCS at Sri Sai Ram Engineering College	05/05/2014
Network Design – A practical approach	Sri Sai Ram Engineering College	03/08/2013 – 04/08/2013
Seminar on Mobile and Pervasive computing	Madras Institute of technology, Anna University, Chennai	06/03/2013 - 07/03/2013
Workshop on Network security	Dept of CSE,Anna University, Chennai	20/07/2012
Workshop on Journal and Thesis writing	Dept of Mech, SSEC	19/01/2012
National Level Seminar on “Recent Trends in Service Oriented Architecture”	Dept. of IT, SSEC	05/01/2012 – 06/01/2012
Workshop on Recent Trends in “Cloud Computing”	Anna University, Chennai	15/12/2011 - 16/12/2011
SDP on “ Case Tools Environment & Work Benches”	Dept. of MCA, SSEC	21/12/2011 – 22/12/2011
Seminar on Network Simulator NS2	SSEC	15/09/2010
National level seminar on “Research Methodologies in Next Generation wireless Network using Opnet”	Department of Information technology, SSEC	19/08/2010 - 21/08/2010
Seminar on “Software Reengineering”	Placement Department, SSEC	16/08/2010
National level seminar on “Research Methodologies in Next Generation wireless Network using Opnet”	Department of Information technology, SSEC	19/08/2010 - 21/08/2010
SDP on “Recent development in computing”	SSEC	April 2010
AICTE sponsored Staff Development Programme on Web Services & Applications.	SSEC	05/05/2008 – 19/05/2008
Workshop on Intellectual Property Rights.	SSEC in association with IPR	30/04/2008

AICTE sponsored Staff Development Programme on Telemedicine & e-health	SSEC	09/07/2007 – 21/07/2007
Faculty Development Programme on Web Technology	CFD, Anna University in Association with TCS	15/05/2006 - 20/05/2006
National Level Workshop on Network Security Threats & Counter Measures”	St. Josephs College of Engg.	Aug 2005
Training Programme on IBM Rational Suite	SSEC	3/9/2005- 4/9/2005
Two-day workshop on .Net & C#	SSEC, Computer Society of India Chennai Chapter	17/12/2004 – 18/12/2004.
Participated in International Conference on Computers, Controls, and Communication	SSEC	20/08/2004 – 22/08/2004
One day Workshop on current Trends in Network Security	Valiant Ciss Tech & Sri Sai Ram Engineering College	17/07/2004
Training Programme on “Quality Management System and Audit Training	Creative Management Consultants	May 2003
Technical Enhancement Training on LINUX Administration	AdvantagePro	03/06/2003 – 10/06/2003
A Seminar on SUN JAVA	SUN Microsystems	April 2002
A Seminar on Application of information Technology in Automobile Industry	Tidel Park	August 2002
Faculty Development Programme on Software Engineering	Siva SubramaniaNadar College of Engineering	December 2002
A winter school on Oracle 9i	SSEC in association with SRM Radiant	07/11/2001 – 09/11/2001
Workshop on Teaching Technology and counseling skill	Abirami Academy	24/02/2001

Programmes Organized:

Name of the Programme	Organized by	Date
404 The Brain Not Found	Code club	13/02/2026
Hands on training in C using Skillrack Platform	Code club and Skill Development club	09/10/2025 to 11/11/2025
Advancing Personal Efficiency and Productivity through Research and Innovation	CSE	29/08/2025
SOAR – Alumni Intercation – Enlightening the Young Minds	CSE	23/08/2025
From IDEAS to IMPACK-How Genarative AI is transforming Business	CSE	18/08/2025
Orientation Programme on Python	Code club and Skill Development club	16/06/2025 to 20/06/2025
Role of Cloud and Big Data in Today’s Digital World	CSE	23/08/2024
NEXUS 1.0	Code club	8/8/2024 & 9/8/2024
Orientation Programme on C Programming	Code club and Skill Development club	15/07/2024 to 19/07/2024
Orientation Programme on Python	Code club and Skill Development club	10.06.24 to 14.06.24
Creating a Vision Board for the Future Career Paths post Engineering	CSE	20.10.2023
How to become a successful Entrepreneur- Alumni Talk	CSE	20.09.2023
Big Data overview with Hadoop	CSE	24.08.2023
Stupid Code 2.0	Code club	23.08.2023
Entrepreneurial Learning and Growth-Alumni Talk	CSE, IIC, Career Guidance Cell	26.05.2023
PY’RATES	Code club	29.05.2023 – 02.06.2023
Hack-Riot	Code Club	24.04.2023 & 25.04.2023
Emerging IT Trends and Career Development- Alumni Talk	CSE, Career Guidance Cell	13.03.2023
Variables- Code your way to a world of Fun	Code Club& IEEE ITS	03.03.2023
History of Classic Cipher- Alumni Talk	CSE,SSEC, Cyber club & Code club	30.01.2023
CODITO	SSEC & Code club	25.01.2023-30.01.2023
VORFALL ‘22	SSEC & Code club	14.11.2022 & 15.11.2022

IEEE International Conference on Computational Science and Technology	CSE,SSEC	09.11.2022 & 10.11.2022
Career Options in Cyber – Alumni Talk Security	CSE,SSEC	02.11.2022
Pursuing Higher Studies in – Alumni Talk Abroad	CSE,SSEC	07.10.2022
Code School	SSEC & Code club	28.08.2022
Inauguration of Career Guidance Cell	CSE, SSEC	22.09.2021
Virtual Industrial Tour-NOKIA	CSE, SSEC	14.09.2021
Hands on Training in Python	SSEC & Code club	29.07.2021-03.08.2021
Train the Trainer- KNIME Analytics Tool	SSEC & Code club	07.09.2021-09.09.2021
What Next?- Alumni Talk	CSE, SSEC	18.05.2021
5 Days Workshop on Mobile Application Development	CSE, SSEC & RAISE	19.02.2021-21.02.2021 and 27.02.2021-28.02.2021
Web Master	SSEC & Code club	13.02.2021-17.02.2021
SAI HORIZON 2020	CSE, SSEC	07.11.2020
Hands on training on Python	SSEC & Code club	05.10.2020-09.10.2020
Where can you end up yourself in a service Industry? - Alumni Talk	CSE, SSEC	29.08.2020
What does it take to be a DevOps Engineer? - Alumni Talk	CSE, SSEC	25.07.2020
Building a Career in Cyber security- Alumni Talk	CSE, SSEC	11.07.2020
Bridging the Gap between Engineering and Design -- Alumni Talk	CSE, SSEC	04.07.2020
Build Your Future in Cloud – Alumni Talk	CSE, SSEC	27.06.2020
Python – TUNE UP	SSEC & Code club	15.06.2020 – 19.06.2020
Programming Essentials in Python	SSEC & Code club	25.05.2020-29.05.2020
Super minds in CLOUD Technologies	CSE, SSEC	11.05.2020
NCSICC'19	CSE, SSEC	March 2019

ICCST'17	CSE,SSEC	March 2017
And many more FDP's, Seminar's, Webinar's, Workshop's, SDP's, Symposia, Conferences etc.		

Other Activities:

- ❖ **Jury Panel member** for the online Paper presentation Contest on **Industrial Automation through AI** organized by **Centre of Data Science and Artificial Intelligence, Rajalakshmi Institute of Technology in association with CSI**
- ❖ Have been a **Resource Person** for the online **AICTE STTP on PLC and Industrial Automation** organized by **Rajagopal Polytechnic, Gudiyattam.**
- ❖ Have been a **Resource Person** for the Webinar on **Cloud Computing Strategies for Enterprise** to the technical team of CAL-ASIA Pte Ltd., Singapore
- ❖ Have been a **Resource Person** for the Webinar on **Cloud Data Storage** to the staffs of ZEUS System.
- ❖ Have been a **Resource Person** for the Awareness programme on "Introduction to Cloud Data Storage" organized by **Rajagopal Polytechnic, Gudiyattam.**
- ❖ **Department SCOPE member - Propagator**
- ❖ **CODE CLUB SCOPE member – Propagator**
- ❖ **START SCOPE member – Strategist**
- ❖ **IEEE Cloud Computing Society SCOPE MEMBER- Strategist**
- ❖ **NBA – DAB In charge, Criterion 4 coordinator**
- ❖ **Department UBA Coordinator**
- ❖ **Have Been University Practical Exam Coordinator**
- ❖ **Have been Result Analysis In charge**
- ❖ **Innovators – Research Grant Team member**
- ❖ **Active Member in Code Club, Sai Muthamizh Mandram**
- ❖ Have been **Course Moderator several times**
- ❖ Have been one of the **Event Coordinators** in College Cultural.
- ❖ Acted as **Project Guide for the UG & PG projects** and received funds from **TNSCST& IEDC, SSEC**
- ❖ Have been **CII Coordinator**
- ❖ Have been the **First Year Coordinator**
- ❖ **Co-Chair in the IEEE technically sponsored International Conference on "Computational Science and Technology"**
(ICCST'22)

- ❖ **Session Chair in the National Conference on “Smart Innovations in Communications and Computing (NSSICC-2021).**
- ❖ **Session Chair in the International Conference on “Computational Science and Technology” (ICCST2020)**
- ❖ **Organizing Chair and Review Committee Member of National Conference NCSICC’19**
- ❖ Acted as **Coordinator** and **Session Chair** for International Conference ICCST’17
- ❖ **Question paper setter** for Anna University Exams and for various other Universities.
- ❖ Have been the Coordinator for various **National Level Technical Symposium**
- ❖ Have been the **Time Table Coordinator**
- ❖ Have been the **CSI Coordinator.**
- ❖ Have been **Chief Mentor** of the CSE Department.
- ❖ Have been a **Guest Lecturer** to Dhanalakshmi College of Engineering for the subject **Introduction to Information Systems.**
- ❖ Have been the **Coordinator** for arranging the **Seminar, Workshop & Conferences.**
- ❖ Actively Participated in organizing **FDP, SDP and Conferences (both National & International).**
- ❖ Acted as **Department Placement Coordinator**
- ❖ Have been **Project Coordinator** for both UG & PG students
- ❖ Acted as **Mini Project Coordinator** and organized Mini-Project Exhibition
- ❖ Have been a **Resource Person** for the **Anna University Conducted Bridge Course for Placement Training** to the Final year SC/ST students of all branches.
- ❖ Have been a **Resource Person** for the **“Placement Training Programme”** organized by **WIPRO Technologies** to all the placed candidates of all branches.
- ❖ Have been a **Class Coordinator** several times.