


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Name & Photo :	A.SANGEERANI DEVI 
Designation:	Associate Professor
Qualification :	B.Tech, M.E, (Ph.D).,
Area of Specialization :	DATA MINING AND DATA WAREHOUSING, BIG DATA ANALYTICS, INTERNET OF THINGS
Experience :	Teaching : 16 Years
Aim:	To evaluate, monitor and mentor student academics To develop and implement innovative instructional methods.
Membership in Professional bodies:	<ul style="list-style-type: none">● Life Member- Indian Society for Technical Education● Life Member - CSI● Life Member - IEI● Member - IEEE● Life Member - InSc● Life Member, International Association of Engineers member- IAENG
Responsibilities :	<ul style="list-style-type: none">● Department IEI Coordinator● Department ISO Coordinator● Department NIRF Coordinator● NITTT Module 1 Captain● Acted as Symposium Coordinator● Acted as Project Coordinator & Mini-project Coordinator● Acted as Class Coordinator

Achievements:	<ul style="list-style-type: none"> ● Certified Trainer DELL EMC Data Science and Big Data Analytics ● Certified in NPTEL course IoT, Big Data ● Certified in Big Data Analytics through Tamil Nadu Skill Development Corporation Naam Mudhalvan ● Successfully completed many courses in Coursera ● Produced centum results in various subjects and received cash awards ● Published paper in reputed International and National Journals. ● Presented papers in various National and International Conferences. ● Published Patents
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Professional Experience:

SI. No.	College / Organization	Designation	Period	
			From	To
1	Sri Sai Ram Engineering College, Chennai	Assistant Professor-II	06.06.2012	Till Date
2	New Prince Shri Bhavani College of Engineering	Lecturer	09.06.2010	30.04.2012
3	S K R Engineering College	Lecturer	18.06.2007	09.11.2009
4	Prince Shri Venkateshwara Padmavathy Engineering College	Lecturer	15.12.2004	30.04.2005

AWARDS:

1. Received **IEI - Best Faculty Advisor Award** organized by Southern Regional Technical conclave held at Adhiyamaan Engineering College, Hosur on 6 March 2023.
2. Received **IEI – Academic Excellence Award** organized by Southern Regional Technical conclave held at Adhiyamaan Engineering College, Hosur on 6 March 2023.
3. Received **IEI - Best Faculty Advisor Award** organized by Southern Regional Technical conclave held at Adhiyamaan Engineering College, Hosur on 3 September 2021.
4. Received **Faculty Excellence Award** organized by International Journal of MC Square Scientific Research, Chennai on January 21-23 2021.

JOURNALS & PUBLICATIONS:

1. Published a paper in Journal of Physics: Conference Series- Advances in Computer Science Engineering, Volume 1964 ,Issue-4, July 2021, titled “**Developing an Effective Graph Based Blockchain Framework**”.
2. Published a paper in Journal of Physics: Conference Series- Advances in Computer Science Engineering, Volume 1964 ,Issue-4, July 2021, titled “**A Hybrid Structural Building Data Mining System Based On the Data Tracking Through Devices**”.
3. Published an article in Journal of Physics Conference Series "**Agricultural Farming Survey Using Iot**" DOI:10.1088/1742-6596/1724/1/012047
4. Published an article in Journal of Physics Conference Series "**Safety Monitoring System in Mining Environment Using Iot**" DOI: 10.1088/1742-6596/1724/1/012022
5. Published an article in Journal of Physics Conference Series "**Anywhere Vote: ATM as Evm** " DOI:10.1088/1742-6596/1724/1/012021
6. Published a paper in Lecture Notes in Electrical Engineering , Modeling Simulation and Intelligent Computing , Springer, Volume 659 , <https://link.springer.com/book/10.1007%2F978-981-15-4775-1>, July 2020, titled " **Start-up community using Blockchain**"
7. Published a paper in International Journal of Engineering and Advanced Technology, Volume 9, Issue no. 1S, October 2019, titled “**A Smart Driver Assistance System for Accident Forestalling**”
8. Published a paper in International Journal of Engineering and Advanced Technology, Volume 9, Issue no. 1S, October 2019, titled “**I-Voting on Cloud Framework**”
9. Published a paper in International Journal of Engineering and Advanced Technology, Volume 8, Issue no. 5S3, July 2019, titled “**Violence Detection and Target Finding using Computer Vision**”
10. Published a paper in International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 6, page no.174-178, June 2019, titled “**Deep Neural Network For Automated Lip Reading Visual Speech Recognition**”
11. Published a paper in International journal of Science and Innovative Engineering & Technology (IJSIET), Volume 1,May 2018, titled “**Unleash and Imprint an Escorted Smart Phone: A Secure Mutual Authentication System**”
12. Published a paper in Indian Journal of Public Health Research & Development, Volume 9, Issue no. 2, March 2018, titled “**Anonymous Location-Support and Self-Reliance Routing Protocol For MANET**”
13. Published a paper in Indian Journal of Public Health Research & Development, Volume 9, Issue no. 2, March 2018, titled “**Energy-Efficient and Corrective Algorithm for Improving Stability in Wireless Sensor Networks**”
14. Published a paper in Indian Journal of Public Health Research & Development, Volume 9, Issue no. 2, March 2018, titled “**Reliable Link and Mobile-Based Optimized Routing Scheme for MANETs**”

CONFERENCE & WORKSHOP:

1. Presented a paper titled " **Privacy Preservation of Sensitive Data in Big Data Analytics - A Survey**" in the International Conference on Internet of Everything, Microwave Engineering , Communication and Networks (IEMECON 2021) sponsored by IEEE Delhi Section on 1.12.2021 & 2.12.2021
2. Presented a paper titled " **Resume Validation and Filtration using Natural Language Processing**" in the International Conference on Internet of Everything, Microwave Engineering , Communication and Networks (IEMECON 2021) sponsored by IEEE Delhi Section on 1.12.2021 & 2.12.2021
3. IEEE international workshop on "**Natural Inspired Computing Applied to Engineering**" conducted by SEC, organised by IEEE CIS Madras Chapter from 23.07.2021 - 26.07.2021
4. Presented a paper titled "**Developing an Effective Graph Based BlockChain Framework**" in International Conference on Emerging Trends in Science, Engineering & Management VIRTUAL CONFERENCE 2021 (ICETSEM-2021), 21st - 23rd January 2021 which is organized by International Journal of MC Square Scientific Research, Chennai
5. Presented a paper in the International Conference on Innovation and Challenges in Computing, Analytics and Security organized by Pondicherry Engineering College, titled "**Anywhere Vote : ATM as EVM**" from 29 & 30 July 2020
6. Presented a paper in the International Conference on Modeling, Simulation and Intelligent Computing organized by BITS Pilani, Dubai Campus , titled " **Start-up community using blockchain**" from 29 January to 31 January 2020.
7. Presented a paper in the 2nd International Conference on Computational Science and Technology (ICCST2020), titled " **Ponzi Scheme Detection Using Blockchain**" on 5.3.2020 & 6.3.2020
8. Presented a paper in the 2nd International Conference on Computational Science and Technology (ICCST2020), titled "**Smart Traffic Control System**" on 5.3.2020 & 6.3.2020
9. Presented a paper in the 2nd International Conference on Computational Science and Technology (ICCST2020), titled " **Intrusion Prevention in Network Using Supervised Deep Learning**" on 5.3.2020 & 6.3.2020
10. Presented paper in International conference – ICCET'18 held at Prince Shri Venkateswara Padmavathy Engineering College, titled "**Unleash and Imprint an Escorted Smart Phone: A Secure Mutual Authentication System**".
11. Presented paper in National conference – NCISCC'18 held at Sri Sairam Engineering College, titled "**Abandoned trail and Decipher of Smartphone – A secure gateway for Data Preserving**".
12. Presented paper in National conference – NCISCC'18 held at Sri Sairam Engineering College, titled "**Visual speech Recognition – Automated lip reading using deep Neural Networks**".
13. Attended workshop on Redhat (Open source) Technology and industry Adaptation in Sri Sairam Engineering college on 5.12.2017
14. Attended Workshop on **Mobile Application Development** held at Sri Sairam Engineering College from

17.2.2016 to 20.2.2016

15. Presented paper in International conference - ICISC'13 , titled “**Cloud computing and Semantic web**”.
16. Presented paper in International conference – Advances in Computer communication and Management ‘13, titled “**Video Quality Improvement using Adaptive Spatial and Temporal pooling**”.
17. Presented paper in National conference – Recent trends in Information Technology and Communication’13, titled “**Video Quality Improvement using Adaptive Spatial and Temporal pooling**”.
18. Participated in IEEE *Workshop* on "**Internet of Things for Agricultural Applications**" from 22.10.2020 to 24.10.2020
19. Participated in virtual *Workshop* on "**Applications of Deep Learning**" organized by Annamalai University from 8.7.2020 to 10.7.2020
20. Attended *Workshop* on **Network Simulator NS2** held at Jeppiar Engineering College from 19.11.2012-20.11.2012

BOOK PUBLICATION:

1. “Emerging Technologies in Engineering Research” Chapter 18 - “**Big Data Analytics**” has been published by Technical Research Publications with ISBN : 978-93-5419-211-1 (Online).
2. Book chapter in Cloud computing with Wireless Network and Pattern Recognition - "**An Improved Approach for Smart Devices Using Blockchain System**"

ATAL FACULTY DEVELOPMENT PROGRAMS:

1. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on "**Sensor Data Analytics**" from 29/11/2021 to 03/12/2021 at Indian Institute of Information Technology Kottayam"
2. Participated in Faculty Development Programme on “Deep Learning & Applications (Parallel Architectures)” Aug 23- Sept 3, 2021 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
3. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on "**Patent Law for Engineers and Researchers**" from 26.07.2021 - 30.07.2021 conducted by Prathyusha College of Engineering
4. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on "**Blockchain**" from 20.12.2020 to 24.12.2020 at IIT, Patna
5. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on "**Augmented Reality(AR)/Virtual Reality(VR)**" from 23.11.2020 to 27.11.2020 at Government Engineering College Rajkot

6. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on "**Internet of Things(IoT)**" from 2.11.2020 to 6.11.2020 at Government Engineering College Rajkot
7. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on "**Data Science**" from 5.10.2020 to 9.10.2020 at Central University of Tamil Nadu

PATENT:

1. Filed a patent titled "**IOT BASED SMART E-METER**" published on 7.5.2021
2. Filed a patent titled "**VOICE BASED ALERTING AND ASSISTING TOOL FOR VISUALLY CHALLENGED**" in 11/02/2021 published in 19/02/2021 publication number 08/2021
3. Filed a patent titled "**EMOTION RECOGNITION FITNESS ASSISTANCE FOR FITNESS BLENDERS USING MEL FREQUENCY CEPTRAL COEFFICIENTS**" in 23/12/2020 published in 01/01/2021 publication number 01/2021

STAFF DEVELOPMENT PROGRAMS:

1. Attended FDP on "**Industrial Applications of machine learning and deep learning**" organized by VIT Chennai from 7-11 December 2021
2. AICTE Sponsored STTP on "**Speech and Image Processing using Deep Learning Techniques**" organized by Annamalai University from 03.03.2021-09.03.2021
3. Participated in **4 Weeks Women Entrepreneurship Development Program (WEDP)** organized by IITM HTIC MedTech Incubator from 22.2.2021 to 20.3.2021
4. Attended 2 week online Patent Course by Turnip Innovations from 2.6.2021-16.2.2021
5. Participated in the Online International online FDP on "**Recent Advances in Computer Science and Allied Domains**"(RACSAD - II 2020) on 23.11.2020 to 28.11.2020
6. Participated in the AICTE online Short Term Training Program on "**Deep Learning Techniques for Ambient Intelligence and Smart Environment - I**" from 19.10.2020 to 24.10.2020
7. Participated in the Online Faculty Development Program on "**Magical Shift Towards Cloud Computing**" from 12.10.2020 to 16.10.2020
8. Participated in the Online Faculty Development Program on "**Cloud Computing : A Hands on Approach with AWS Cloud**" organized by NITTTR from 14.9.2020 to 18.9.2020
9. Participated in the Online Faculty Development Program on "**Data Science**" from 24.8.2020 to 28.8.2020
10. Participated in the Online International Faculty Development Program on "**Internet of Things**" on 18.7.2020-25.7.2020
11. Participated in the Online Faculty Development Program on "**Machine Learning and Cloud Infrastructure**" on 6.7.2020-10.7.2020
12. Participated in the Online Faculty Development Program on "**Computer Vision Using Deep Learning**"

on 26.6.2020-30.6.2020

13. Participated in the Online Faculty Development Program on "**Introduction to Python Programming**" organized by ICT ACADEMY from 18.6.2020 to 24.6.2020
14. Participated in the Online Faculty Development Program on "**Outcome Based Education Software**" on 11.6.2020
15. Participated in the Online International online FDP on "**Recent Advances in Computer Science and Allied Domains**"(RACSAD 2020) on 8.6.2020 to 12.6.2020
16. Participated in Faculty Connect Programme on "**Problem solving and Python programming**" conducted by Pearson publication at Sri Sairam Institute of Technology on 5.6.2018 & 6.6.2018
17. Participated in National Seminar on "**Convergence of IOT, Big Data Analytics and cloud computing for Smart Governance**" sponsored by AICTE held at SSN college of Engineering from 23.11.2017 to 25.11.2017.
18. Participated in Faculty Development Program "**Data science and Big data Analytics**" held in Sri Sairam Engineering College conducted by ICT Academy from 11.9.2017 to 15.9.2017.
19. Participated in Faculty Development Program "**Grid and Cloud Computing**" held in Sri Sairam Engineering College on August 2016.
20. Participated in Faculty Development Program "**Cloud Computing and Virtualization**" held in Sri Sairam Engineering College on March 2015.
21. Participated in Faculty Development Program "**Cloud Computing and Big Data**" held in Sri Sairam Engineering College on December 2014.
22. Participated in Faculty Development Program "**Soft Computing and Open Source Software**" held in Sri Sairam Engineering College on August 2012.