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 DATAWAREHOUSING, BIGDATA ANALYTICS, INTERNET OF THINGS
Experience :	Teaching:18.8 Years
Aim:	To evaluate,monitor and mentor student academics To develop and implement innovative instructional methods.
Membership in Professional bodies:	- 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 :	- Acted as Symposium Coordinator - Acted as Project Coordinator& Mini-project Coordinator - Acted as Class Coordinator - Department IEI Coordinator - Department ISO Coordinator - Department NIRF Coordinator - NITTTModule 1 Leader

Achievements:	- Certified Trainer DELLEMC Data Science and Big Data Analytics - Certified in NPTEL course IoT, BigData - 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.

Professional Experience:

SI. No.	College / Organization	Designation	Period	
			From	**To**
1	Sri Sai Ram Engineering College, Chennai	Assistant Professor-II Associate Professor	06.06.2012 1.8.2022	31.7.2022 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 PadmavathyEngineeringCollege	Lecturer	15.12.2004	30.04.2005

AWARDS:

1. Received NPTEL mentor certificate for Cloud Computing Jan-April 2025

2. Received ATAL mentor certificate for the year 2023,2024.

3. Received **Best Faculty Award** organized by Tech Forum Research Foundation on 20 March 2024.

4. Received **IEI-Academic Excellence Award** organized by Southern Regional Technical conclave held at Adhiyamaan Engineering College, Hosur on 6 March 2023.

5. Received **IEI-Best Faculty Advisor Award** organized by Southern Regional Technical conclave held at Adhiyamaan Engineering College, Hosur on 3 September 2021.

6. Received **Faculty Excellence Award** organized by International Journal of MCSquare Scientific Research, Chennai on January 21-23 2021.

JOURNALS & PUBLICATIONS:

1. **IoT Established Ecoplastirid Rover Integrated with Machine Learning** Devi, A Sangeerani and Asmitha, SJ and Dharshini D and others (2025) , pp. 1--5

2. **Remindify: A Seamless Automation for Daily Tasks** Devi A.S.;Akilaandeswari K.;Bhavantee C.;Shali A.;Kavitha D. 2023 Intelligent Computing and Control for Engineering and Business Systems Iccebs 2023 , Vol. (2023) , pp.

3. **Subjective Analysis and Progressive Assistance of Psychological Disorders** Sruthi R.;Harikumar A.;Shali A.;Devi A.S.;Kavitha D. 2023 Intelligent Computing and Control for Engineering and Business Systems Iccebs 2023 , Vol. (2023) , pp

4. **Design and Implementation of Smart Fish Pond Monitoring System Using IoT** Sangeetha S.V.T.;Kuppusamy P.G.;Chandrasekaran V.;Devi A.S. Aip Conference Proceedings , Vol. 2523 (2023) , pp

5. **MedLyric - Exploring Health and Well-Being Through a Website** Hemavathi S.;Sai Kaushik J.;Sai Deepak D.;Sam Abhishek A.C.;Devi A.S.;Velmurugan K.J. 2023 Intelligent Computing and Control for Engineering and Business Systems Iccebs 2023 , Vol. (2023) , pp.

6. **Unleashing the Potential of IoT in Tackling Ocean Pollution: A Data-Driven Approach for Marine Ecosystem Conservation** Srinivasan S.;Vimala Ithayan J.;Devi A.S.;Saravanan T.R.;Ganesh E.N. 2023 2nd International Conference on Smart Technologies for Smart Nation Smarttechcon 2023 , Vol. (2023) , pp. 333-338

7. **Covid Patient Health Monitoring System.** ME, A and Chinnasamy A and others Grenze International Journal of Engineering \& Technology (GIJET) , Vol. 8 (2022)

8. **Simply Book - Easier Way to Find Books** Harish K.S.;Mohanraam V.K.;Sangeerani D.A. 2022 1st International Conference on Computational Science and Technology Iccst 2022 Proceedings , Vol. (2022) , pp. 721-725

9. **Smart Security System** Sangeerani Devi A.;Akilaandeswari K.;Bhavantee C.;Shali A.;Kavitha D.;Hemavathi S. 2022 1st International Conference on Computational Science and Technology Iccst 2022 Proceedings , Vol. (2022) , pp. 42-44

10. **Cosmetic Product Selection Using Machine Learning** Rubasri S.;Hemavathi S.;Jayasakthi K.;Sangeerani Devi A.;Latha K.;Gopinath N. 2022 International Conference on Communication Computing and Internet of Things Ic3iot 2022 Proceedings , Vol. (2022) , pp.

11. **Context aware attention learning for person re-identification (a data driven approach)** Neathi R.;Kavitha D.;Chinnasamy A.;Sangeerani Devi A.;Kanchana Devi V.;Sathish Kumar D. 2022 2nd International Conference on Artificial Intelligence and Signal Processing Aisp 2022 , Vol. (2022) , pp.

12. **IT Finder** Sangeerani Devi A.;Sriram S.;Dhiyanesh E.V.;Lakshmikanth R. 2022 1st International Conference on Computational Science and Technology Iccst 2022 Proceedings , Vol. (2022) , pp. 1035-1037

13. **Efficient Stock Prediction Technique using ML**. RP, Hemachanderen and Hemavathi S and others Grenze International Journal of Engineering \& Technology (GIJET) , Vol. 8 (2022)

14. **Developing WSN Throughput by using Signal to Noise Ratio and Validation Component** Selvaraj Y.;Sangeerani Devi A.;Arul U.;Ravi Prasad B.;Kavitha S. 6th International Conference on I Smac Iot in Social Mobile Analytics and Cloud I Smac 2022 Proceedings , Vol. (2022) , pp. 374-377

15. **Analysis and Prediction of Stock Price Using Hybridization of SARIMA and XGBoost** Kumar D.S.;Thiruvarangan B.C.;Sai Nikhil Reddy C.;Vishnu A.;Devi A.S.;Kavitha D. 2022 International Conference on Communication Computing and Internet of Things Ic3iot 2022 Proceedings , Vol. (2022) , pp.

16. **PRIVACY PRESERVATION OF SENSITIVE DATA IN BIG DATA ANALYTICS - A SURVEY** Devi A.S.;Chinnasamy A. Iemecon 2021 10th International Conference on Internet of Everything Microwave Engineering Communication and Networks , Vol. (2021) , pp.

17. **Resume Validation and Filtration using Natural Language Processing** International Conference on Internet of Everything, Microwave Engineering, Communication and Networks (IEMECON) (2021)

18. **Safety Monitoring System in Mining Environment Using Iot** Journal of Physics: Conference Series (2021)

19. **Agricultural Farming Survey Using Iot** Shali A.;Devi A.S.;Kavitha D. Journal of Physics Conference Series , Vol. 1724 (2021) , pp

20. **Any Where Vote: ATM as EVM** Devi A.S.;Chinnasamy A.;Kavitha D.;Shali A. Journal of Physics Conference Series , Vol. 1724 (2021) , pp.

21. **A Hybrid Structural Building Data Mining System Based on the Data Tracking through Devices** Sangeerani Devi A.;Ravi Prasad B.;Loganathan V.;Saurav S. Journal of Physics Conference Series , Vol. 1964 (2021) , pp.

22. **Developing an Effective Graph Based Block Chain Framework** Ravi Prasad B.;Saurav S.;Sangeerani Devi A.;Loganathan V. Journal of Physics Conference Series , Vol. 1964 (2021) , pp.

23. **Start-up community using blockchain** Subhiksha S.;Prakash S.;Samundeswari S.;Sangeerani Devi A. Lecture Notes in Electrical Engineering , Vol. 659 (2020) , pp. 11-18

24. **ANYWHERE VOTE: ATM AS EVM** A SANGEERANI DEVI, SONIA PRAKASH,

LAAVANYA, MANI The TEQIP-III Sponsored First International Conference on Innovations and Challenges in Computing, Analytics and Security (ICICCAS-2020) , Vol. (2020) , pp.

25. **I - Voting on Cloud Framework** D.Sathishkumar, M.SureshAnand, J.JeganAmarnath, A.SangeeraniDevi S.Gurusubramani International Journal of Engineering and Advanced Technology (IJEAT) , Vol. 9 (2019) , pp. 61

26. **Online rehabilitation tool for identifying learning disabilities** Devi A.;Sreya Prakash S.;Abinaya D. 2019 IEEE International Conference on System Computation Automation and Networking Icscan 2019 , Vol. (2019) , pp.

27. **A Smart Driver Assistance System for Accident Forestalling** Sangeerani Devi, Shali A, Kavitha D International Journal of Engineering and Advanced Technology , Vol. (2019) , pp.

28. **DEEP NEURAL NETWORK FOR AUTOMATED LIP READING VISUAL SPEECH RECOGNITION** A.Sangeerani Devi ,Ramya.M, Sri Ranjani B, Puranimaa.B International Journal of Emerging Technology and Innovative Research , Vol. (2019) , pp.

29. **Violence detection and target finding using computer vision** Sangeerani Devi A.;Prakash S.;Laavanya K.;Shali A.;Sathish Kumar D. International Journal of Engineering and Advanced Technology , Vol. 8 (2019) , pp. 235-238

30. **Energy-efficient and corrective algorithm for improving stability in wireless sensor networks** Kumar D.S.;Anand M.S.;Balamurugan M.;Devi A.S. Indian Journal of Public Health Research and Development , Vol. 9 (2018) , pp. 353-356

31. **Reliable link and mobile-based optimized routing scheme for MANETS** Devi A.S.;Anand M.S.;Kumar D.S.;Balamurugan M. Indian Journal of Public Health Research and Development , Vol. 9 (2018) , pp. 372-375

32. **Anonymous location-support and self-reliance routing protocol for MANET** Balamurugan M.;Anand M.S.;Kumar D.S.;Devi A.S. Indian Journal of Public Health Research and Development , Vol. 9 (2018) , pp. 323-326

33. **Alumni Networking and Online Career Guidance** Tapasya, K and Devi, A Sangeerani and Chinnasamy, A and Kavitha, D and Kumar, D Sathish and Shali A

34. **DETECTION OF TRICKERY CREDIT TRANSACTION** Sangeerani Devi, A and Aishwaryaa, SP and Srija G

CONFERENCE&WORKSHOP:

1. Presented a paper titled "**ENHANCING OBJECT-CUTTING EFFICIENCY IN SMALL-SCALE INDUSTRIES USING COMPUTER VISION-A SUSTAINABLE APPROACH TO REDUCING MATERIAL WASTAGE**" in the International Conference on Future Tech: AI -Driven Innovations for

sustainable development Goals (Future Tech - 2025) on Dec. 22 - 23 , 2025.

2. Presented a paper titled "**IOT ESTABLISHED ECOPLASTIRID ROVER INTEGRATED WITH MACHINE LEARNING**" 2nd International Conference on Computing and Data Science (ICCDS-2025), on 25th & 26th July 2025,

3. 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

4. Presented a paper titled "**Resume Validation and Filteration 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

5. 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

6. 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

7. Presented a paper in the International Conference on Innovation and Challenges in Computing, Analytics and Security organized byPondicherryEngineeringCollege,titled**"Any where Vote:ATM as EVM"**from 29 & 30 July 2020

8. 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.

9. 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

10. 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

11. Presented a paper in the 2nd International Conference on Computational Science and Technology (ICCST2020), titled **" Intrusion Prevention in Network Using Supervised DeepLearning"** on 5.3.2020&6.3.2020

12. Presented a 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**".

13. Presented a paper in National conference–NCISCC'18 held at Sri Sairam Engineering College,titled "**Abandoned trail and Decipher of Smartphone –Asecuregateway for Data Preserving**".

14. Presented a paper in the National conference–NCISCC'18 held at Sri Sairam Engineering College,titled "**Visual speech Recognition –Automated lip reading using deep Neural Networks**".

15. Attended workshop on Redhat(Opensource) Technology and industryAdaptation in Sri Sairam Engineering college on 5.12.2017

16. Attended Workshop on **Mobile Application Development** held at Sri Sairam Engineering College from 17.2.2016 to 20.2.2016

17. Presented a paper in International conference-ICISC'13,titled"**Cloud computing and Semantic web**".

18. Presented a paper in International conference–Advances in Computer communication and Management'13, titled "**Video Quality Improvement usingAdaptive Spatial and Temporal pooling** ".

19. Presented paper in National conference – Recent trends in Information Technology and Communication'13, titled "**Video Quality Improvement using Adaptive Spatial and Temporal pooling**".

20. Participated in IEEE *Workshop* on**"Internet of Things for Agricultural Applications"**from 22.10.2020 to 24.10.2020

21. Participated in virtual *Workshop* on **"Applications of Deep Learning"**organized by Annamalai University from 8.7.2020 to 10.7.2020

22. Attended *Workshop* on **Network Simulator NS2** held at Jeppiar Engineering College from 19.11.2012-20.11.2012

BOOKPUBLICATION:

1. "Emerging Technologies in Engineering Research" Chapter18 -"**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**"

3. Book chapter in Advances in Cloud Computing Security Techniques and Applications- -"**A Review on Big Data:Security Challenges" (ISBN: 978-81-955340-6-7)**

4. Book chapter in Recent Trend in Intelligent Automation and Computing Techniques - "**Challenges and Opportunities for SMS security in Mobile Communications**" ISBN: 978-93-94639-07-2

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" form 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 "DataScience" from 5.10.2020 to 9.10.2020 at Central University of TamilNadu

PATENT:

1. **Emotion Recognition Fitness Assistance for Fitness Blenders using MEL frequency Ceptral Coefficients** Inventor(s): Dr.M.SureshAnand, J.JeganAmarnath,J K Periasamy,D SathishKumar , Chinnasamy, Gopinath,Balamurugan Assignee: | Published: 0000-00-00

2. **Voice Based Alerting and Assisting Tool for Visually Challenged** Inventor(s): Periasamy J K Assignee: | Published: 2021-02-11

3. **IOT BASED SMART E-METER** Inventor(s): 1)Mr.N. GOPINATH 2)Miss. M.V.S.SOUNDARYA LAHARI 3)Miss. J.C.E.SAI SUMITRA 4)Dr. M. SURESH ANAND 5)Dr. A. CHINNASAMY 6)Mr. D. SATHISH KUMAR 7)Mrs. A. SANGEERANI DEVI 8)Mrs. D. KAVITHA 9)Mrs. S. HEMAVATHI 10)Mrs. A. SHALI Assignee: | Published: 0000-00-00

4. **Design System of AI-powered technology analysis and annotates x-rys for dentists** Inventor(s): Dr.k.valarmathi,Dr.A.manju,Dr.M,Arivukarasai,Mrs.A.Sangeerani Devi,Mr.M.Balamurugan,Mrs.N.Suriya,Dr,A.Daniel,Mr.N.Suresh Kumar,Dr.N.Partheeban,Mr.Y,Justin Dhas Assignee: | Published: 2022-10-04

STAFF DEVELOPMENT PROGRAMS:

1. Attended 5 days FDP on **OBE Research Empowerment through Technology** conducted on 1.7.2025 - 5.7.2025.

2. Attended 5 days FDP on **AI TOOLS Brainovision Solutions India Pvt Ltd** from 17.2.2025 - 25.2.2025

3. Attended a **Value Added Course "Essentials Techniques and Foundations of Unreal Engine"** organized by Monolith Research and Training Labs 15.4.2024-22.4.2024

4. Attended International one week FDP on "**Deep Learning Techniques for Social Media Analytics** " from 15.4.2024-20.4.2025

5. Attended 5 days FDP on "**AI Insights Predictive Power of ML, DL, NLP**" from 14.5.2024-18.5.2024

6. Attended 5 days FDP on "**Microsoft Power BI Data Analyst Associate"** Organized by **ICT ACADEMY** 12.12.2022-16.12.2022

7. Attended FPD on "**Big Data Analytics**" organized by **Nan Mudhalvan Tamil Nadu Government Skill Development Corporation** on Oct 2022

8. Attended FDP on "**Industrial Applications of machine learning and deep learning** " organized by VIT Chennai from 7-11 December 2021

9. AICTE Sponsored STTP on "**Speech and Image Processing using Deep Learning Techniques"** organized by Annamalai University from 03.03.2021-09.03.2021

10. Participated in **4 Weeks Women Entrepreneurship Development Program (WEDP)** organized by IITM HTIC MedTech Incubator from 22.2.2021 to 20.3.2021

11. Attended 2 week online Patent Course by Turnip Innovations from 2.6.2021-16.2.2021

12. 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

13. 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

14. Participated in the Online Faculty Development Program on **"Magical Shift Towards Cloud Computing"** from 12.10.2020 to 16.10.2020

15. Participated in the Online Faculty Development Program on**"Cloud Computing:A Handson Approach with AWS Cloud"**organized by NITTTR from 14.9.2020 to 18.9.2020

16. Participated in the Online Faculty Development Program on**"Data Science"** from 24.8.2020 to 28.8.2020

17. Participated in the Online Faculty Development Program on **"Internet of Things"** on 18.7.2020-25.7.2020

18. Participated in the Online Faculty Development Program on**"Machine Learning and Cloud Infrastructure"**on 6.7.2020-10.7.2020

19. Participated in the Online Faculty Development Program on **"Computer Vision Using Deep Learning"** on 26.6.2020-30.6.2020

20. Participated in the Online Faculty Development Program on **"Introduction to Python Programming"** organized by ICT ACADEMY from 18.6.2020 to 24.6.2020

21. Participated in the Online Faculty Development Program on **"Outcome Based Education Software"** on 11.6.2020

22. 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

23. Participated in the Online Faculty Development Program on "**Problem solving and Python programming**" conducted by Pearson publication at Sri Sairam Institute of Technology on 5.6.2018 & 6.6.2018

24. 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.

25.   Participated in Faculty Development Program "**Data science and Big data Analytics**" held in Sri Sairam Engineering College conducted by ICTAcademy from 11.9.2017 to 15.9.2017.

26.   Participated in the Faculty Development Program "**Grid and Cloud Computing**" held in Sri Sairam Engineering College on August 2016.

27.   Participated in the Faculty Development Program "**Cloud Computing and Virtualization**" held in Sri Sairam Engineering College on March 2015.

28.   Participated in the Faculty Development Program "**Cloud Computing and Big Data**" held in Sri Sairam Engineering College on December 2014.

29.   Participated in the Faculty Development Program "**Soft Computing and Open Source Software**" heldin Sri Sairam Engineering College on August 2012.