

PROFILE

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AICTE Faculty ID : 1-455253409

AICTE Institution ID : 1-9323172510

Anna University Faculty Code: 9576123

Anna University Faculty ID: 2670931984

1.PERSONAL DETAILS :

Date of Birth & Age : 01-06-1984 & 42
Sex & Marital Status : Male & Married
Nationality : Indian

QUALIFICATION:

Degree	Programme and Specialization	Class /CGPA	Month & Year of Passing	Institute/University
B.Tech.	IT	75 (First class with Distinction)	April 2005	Francis Xavier Engineering College/Anna University Chennai
M.E	CSE	81 (First class with Distinction)	August- 2009	National Engineering College, Kovilpatti / Anna University Tirunelveli.
Ph.D	Information and Communication	-	Mar 2020	Anna University, Chennai

PROFESSIONAL EXPERIENCE

Designation	Institution/ Organisation	Period	Nature of Duties
Lecturer	S.Veerassamy Chettiar College of Engineering and Technology, Puliangudi	From 02-05-2005 To 25-05-2007	Teaching
Assistant Professor	National Engineering College, Kovilpatti.	01-06-2009 To 14-07-2015	Teaching
Assistant Professor (Senior Grade)	National Engineering College, Kovilpatti.	15.07.2015 to 28-08-2023	Teaching
Associate Professor	National Engineering College, Kovilpatti.	29-08-2023 to till date	Teaching

Date of joining in Present Institution : 01-06-2009

COURSES TAUGHT:

Course Title	U.G. or P.G.
1. Big Data Analytics 2. Introduction to Data Science 3. Operating system 4. Principles of Object Oriented Analysis and Design 5. Advanced Database Technology 6. User Interface Design 7. Software Project Management 8. Cryptography and Network Security 9. Computer Networks 10. Object Oriented Programming 11. Software Engineering and Quality Assurance 12. Mobile Communication	U.G
1. Business Analytics 2. Wireless Mobile Communication 3. Design Principles of Computer Networks	P.G

2. ACADEMIC ACHIEVEMENTS

2.1 SHORT TERM COURSES / SEMINARS / CONFERENCE/ WORKSHOPS ORGANIZED:

1. Acted as coordinator in “**Rational Application Developer**” workshop from 25-08-2010 to 28-08-2010.
2. Acted as coordinator in “**Research perspective in engineering**” seminar on 02-04-2011.
3. Acted as coordinator in “**Research methods for academicians, research scholars & practitioners**” seminar on 17-11-2012.
4. Acted as coordinator for the **Cisco System (India) pvt.Ltd. Sponsored** seminar on “**Cisco academy meet on “Emerging trends in green networking technologies**” on 08-03-2013. (Fund Sanctioned: Rs.30,000/-)

5. Acted as coordinator in “**Spoken tutorial workshop on linux**” programme on 21.02.2014.
6. Acted as coordinator in “**Spoken Tutorial workshop on C/C++**” programme on 15.02.16.
7. Acted as coordinator in “**Ethical Hacking and Cyber Security**” workshop on 23-02-2017.
8. Acted as coordinator in “**Data Science and Big Data Analytics**” workshop from 08-08-2017 to 12-08-2017.
9. Acted as coordinator in “**Internet of Things**” workshop on 01-03-2018.
10. Acted as coordinator in “**National Level Technical Symposium – JEONTUZ’18**” programme on 02-03-2018.
11. Acted as coordinator in “**Data Science and Big Data Analytics – ICT Academy**” workshop on 19-01-18.
12. Acted as coordinator in “**Skill Training in Technology and Soft Skills – ICT Academy**” programme from 19-08-19 to 31-08-2019.
13. Acted as coordinator in “**Spoken tutorial workshop on Java**” workshop on 04-09-2019.
14. Acted as coordinator in “**Data Science and R- Tool – IEEE Student branch**” workshop on 02-02-2019.
15. Acted as coordinator in “**Deep Learning using MATLAB**” – **IEEE Madras Session Sponsored workshop** during 12th & 13th Nov 2020. (Fund Sanctioned: Rs.20,000/-)
16. Acted as coordinator for the **IEEE Computer Society Student Branch Chapter sponsored** event on **IEEEPROEXPO’23** (National Level Project Exhibition) on 13-10-2023. (Fund Sanctioned: Rs.20,000/-)
17. Acted as coordinator for the **Anna University Chennai sponsored FDTP** on “**CCS334- Big Data Analytics**” from 22-07-2024 to 27-07-2024. (Fund Sanctioned: Rs.35,000/-)
18. Acted as coordinator for FDP on “**Microsoft PowerBI Associate**” jointly with ICT Academy from 26.05.2025 to 30.05.2025.
19. Acted as coordinator for **Meity Government of India supported** FDP on “Semi conductor devices, fabrication and layout design” from 08.12.2026 to 12.12.2026. (Fund Sanctioned: Rs. 55,000/-)

2.2 PROFESSIONAL TRAININGS, CERTIFICATIONS AND PARTICIPATIONS:

1. Attended Workshop on “**Network Laboratory**” at National Engineering College, Kovilpatti, during 6th & 7th Nov 2006.
2. Attended FDP on “**IBM community edition technologies**” at National Engineering College, Kovilpatti, during 25th & 26th Oct 2007.
3. Attended Workshop on “**Network simulator (NS2)**” at National Engineering College, Kovilpatti, during 22nd & 23rd 2008.
4. Attended AICTE Sponsored FDP on “**Wireless and mobile networks**”, at SONA College of Technology, Salem, from 16-11-09 to 28-11-09.

5. Attended AICTE & DRDO sponsored Seminar on **“Grid computing”**, at National Engineering College, Kovilpatti, from 25-05-09 to 27-05-09.
6. Attended seminar on **“Recent research: multi perception”** at National Engineering College, Kovilpatti, during 18th & 19th 2009.
7. Attended seminar on **“Recent advancement in networking-ranets’09”** at Ultra College of Engineering and Technology for Women, Madurai on 07-11-09.
8. Attended conference on **“Advanced image processing and networking”**, at National Engineering College, Kovilpatti, during 6th & 7th 2009.
9. Attended AICTE Sponsored FDP on **“Prospective issues and methodologies in human machine interaction”** at National Engineering College, Kovilpatti from 17-05-10 to 21-05-10.
10. Attended FDP on **“CCNA Instructor Training Program”**, at VIT University, Chennai campus from 29-11-11 to 9-12-11.
11. Attended DRDO Sponsored Seminar on **“Mobile cellular networks”**, at Kongu Engineering College, Erode, from 06.01.11 to 08.01.11.
12. Attended CSIR Sponsored Seminar on **“Research issues in wearable computing”** at National Engineering College, Kovilpatti during 28th & 29th Jan 2011.
13. Attended IBM Workshop on **“Rapid Application Developer (RAD)”**, at National Engineering College, Kovilpatti from 22-09-11 to 26-09-11
14. Attended FDP on **“Mobile communication”** at Anna University (MIT Campus), Chennai from 14-05-12 to 20-05-12
15. Attended workshop on **“National Programme on Technology Enhanced Learning”** at S.T Hindu College, Nagercoil, on 24-03-12.
16. Attended seminar on **“Semantic informational retrieval from medical database for clinical support systems”**, National Engineering College, Kovilpatti during 6th & 7th April 2012.
17. Attended seminar on **“Principles & Practices of Knowledge Discovery In Database”**, at Anna University, Guindy, during 14th & 15th Aug 2012.
18. Attended workshop on **“Tivoli Directory Server”** at National Engineering College, from 17-09-12 to 20-09-12.
19. Attended DRDO sponsored Seminar on **“Language Based Formal Methods and Verification Techniques for Security”**, at National Engineering College, during 2nd & 8th Aug 2013.
20. Attended IARCS Technically Sponsored course on **“Computational Complexity”**, at National Engineering College during 27th & 28th Sep 2013.
21. Attended workshop on **“Quality Improvement Cell”**, at Government College of Engineering on 07-02-14.
22. Attended workshop on **“Network Simulator NS2”**, at National Engineering College, during 26th & 27th oct 2014.
23. Attended workshop on **“Intellectual Property Rights”**, at National Engineering College on 07-11-2015.
24. Attended TEQIP -TANSCTE & Anna university sponsored programme on **“Foundation skills in integrated product development Train the trainer program – Certified master Trainer”**, IT-ITeS SSC NASSCOM at Thiagarajar College of Engineering, Madurai from 19-01-2016 to 23-01-2016.

25. Attended workshop on **“Data Analysis using SPSS”**, at Mepco Schlenk Engineering college, Sivakasi during 2nd & 3rd Dec 2016.
26. Attended QIP on **“Technology enabled teaching learning process”**, at National Institute of Technical Teachers Training & Research from 27-05-17 to 29-05-17.
27. Attended AICTE sponsored FDP on **“Data Science and its Research Challenges”** at Sri RamaKrishna Engineering college, Coimbatore from 06.11.2017 to 19.11.2017.
28. Attended AICTE sponsored FDP on **“Data Science Research and Big data Analytics”** at National Engineering College from 11.12.2017 to 23.12.2017.
29. Attended faculty training on **“EMC Academic Associate, Data Science and Big data Analytics – EMC Academic Associate”**, organized by EMC² on 17.06.2017.
30. Attended AICTE sponsored QIP on **“Machine Learning and its applications”**, IIT Roorkee from 09-07-18 to 13-07-18.
31. Attended TEQIP III Sponsored Short term course on **“Applications of Data Mining and Deep Learning Techniques in multidisciplinary Area”** at NIT Karnataka. From 24-06-2019 to 28-06-2019.
32. Attended AICTE-Margdharshan scheme workshop on **“Perspective and challenges in outcome based research”**, NIT Trichy from 13.07.2020 to 17.07.20.
33. Attended AICTE Training and learning (ATAL) Academy, Online FDP on **“Data Sciences”**, Dr.Babasaheb Ambedkar Technological University, Lonere, from 30.04.20 to 04.05.2020.
34. Attended NPTEL Online course on **“Introduction to machine learning”** organized by IIT Madras during 2015.
35. Attended NPTEL Online course on **“Introduction to Research”** organized by IIT Madras during 2015.
36. Attended NPTEL Online course on **“Knowledge management”** organized by IIT Kharagpur during Aug-Sep 2018.
37. Attended NPTEL Online course on **“Data mining”** organized by IIT Kharagpur during Feb-Mar 2018.
38. Attended NPTEL- AICTE FDP on **“Introduction to Learning Analytics”** organized by IIT Madras, Aug – Sep 2019.
39. Attended Coursera course on **“Introduction to Data Analytics for Business”**, organized by University of Colorado, during 2020.
40. Attended Great learning Academy course on **“ Introduction to Machine learning”** during Sep. 2022.
41. Attended Great learning Academy course on **“Data Analysis using Excel”** during Sep 2024.
42. Attended Coursera course on **“ Business Analytics with Excel: Elementary to Advanced”** during Jul 2023.
43. Attended **Webinars** on:
 - **“Software Design Aspects of WLAN Access Point”** organized by IETE Chennai Center & Sri Venkateswara College of Engineering on 25-07-2020.
 - **“COVID-19 Challenges and future Strategies”**, organized by Govt.Adarsh College Umaria (MP), 25-06-20.

- **“Why academic Journal publication is important?”** organized by Thiruvalluvar University college of arts and science, Tirupattur on 04-07-2020.
 - **“Protection of Inventions and Patent Rights”**, organized by Government Kaktiya PG College, Jagdalpur, Chhattisgarh on 04-07-2020.
 - **“Use of LMS, Virtual Teaching and OBE Software for Engineering colleges”** organized by VMedulife Software Services at 20-08-2020.
 - **“The key to successful academic collaborations”** organized by Researcher Academy at 26-05-20.
44. Attended AICTE- MARGDARSHAN sponsored FDP on **“Embracing Online Teaching and Learning”**, organized by Dept. of CSE, NIT Trichy from 03.05.2021 to 07.05.2021.
 45. Attended National level webinar on **“Current Trends in Research & Innovation, Research Paper Publications, IPR and Patents, Research Projects & Fundraising”**, organized by Institute for Academic Excellence, Hyderabad, from 27-08-2021 to 31-08-2021.
 46. Attended Nan Mudhalvan Faculty training programme on **“Big Data Analytics”** organized by Francis Xavier Engineering college & Veranda Edureka, Tirunelveli on 26.10.2022.
 47. Attended online short term course on **“Artificial Intelligence Machine Learning and Deep Learning”** organized by Department of E&TC, JALGAON in association with CCE, NIT Warangal from 28.11.2022 to 02.12.2022.
 48. Attended AICTE Recognized FDP on **“AI/ML and Data Science for Industry 4.0”**, conducted by Computer Science and Engineering, NITTR Chandigarh, from 21.08.2023 to 25.08.2023.
 49. Attended ATAL – AICTE Training and Learning Academy (ATAL) sponsored FDP on **“Data Driven Mathematics: Empowering Academicians for the Era of Data Sciences”** on JAIN University, Bangalore from 16.12.2024 to 21.12.2024.
 50. Attended NBA Awareness Workshop on **Outcome Based Education and Accreditation** at Anna University, Chennai on 09-02-25.
 51. Attended workshop on **“Deep Learning for Generative AI: Theory & Practice (GenAI 2025)”** conducted by Dept.of CSE, IITDM, Kancheepuram from 01.12.2025 to 05.12.2025.

3. PUBLICATIONS

International Journal Publications

- SCI/Scopus indexed : 08
- Non Scopus Indexed : 10

International Conférences Publications

- SCI/Scopus indexed : 10
- Non Scopus Indexed : 24

National Conférences Publications : 13

3.1 INTERNATIONAL JOURNAL PUBLICATIONS:

SCI/SCOPUS INDEXED:

1. S. Chidambaram and K. G. Srinivasagan, “Performance evaluation of support vector machine classification approaches in data mining”, *Cluster Computing The Journal of Networks, Software Tools- Springer (SCI Indexed)*, ISSN 1386-7857, Feb 2018, DOI 10.1007/s10586-018-2036-z.
2. Chidambaram, S, Srinivasagan, K. G, “A Hybrid Random Perturbation Approach for Privacy Preservation in Perturbated Data”, *Journal of Computational and Theoretical Nano science. American Scientific Publication. (SCI Indexed journal)*, Vol. 14, Issue no.7 pp. 3472–3481, 2017. ISSN 1546-1955, Doi:10.1166/jctn.2017.6652.
3. Roy Setiawan, Vidya Sagar Ponnamp, Sudhakar S, Chidambaram S, “Certain Investigation of Fake News Detection from Facebook and Twitter Using Artificial Intelligence Approach”, *Wireless personal Communication*, 2021. (SCI Indexed : Impact factor : 1.36). <https://doi.org/10.1007/s11277-021-08720-9>
4. Sankar Ganesh Sundaram, Saleh Abdullah Aloyuni, Tariq Alqahtani, S.Chidambaram, “Deep Transfer Learning Based Unified Framework for COVID19 Classification and Infection Detection from Chest X-Ray Images”, *Arabian Journal for Science and Engineering*, Springer Berlin Heidelberg publisher, pp.1-18, 2021 (SCI Indexed : Impact factor : 2.33). <https://doi.org/10.1007/s13369-021-05958-0>.
5. S Chidambaram, S Sankar Ganesh, Alagar Karthick, Prabhu Jayagopal, Bhuvaneshwari Balachander, S Manoharan, “Diagnosing breast cancer based on the adaptive neuro-fuzzy inference system”, *Computational and Mathematical Methods in Medicine*, Hindawi Publisher. (Impact factor:0.47), <https://doi.org/10.1155/2022/9166873>, 2022.
6. S. Chidambaram & M. M. Gowthul Alam, “An Integration of Archerfish Hunter Spotted Hyena Optimization and Improved ELM Classifier for Multicollinear Big Data Classification Tasks”, *Neural Processing Letters*, Vol.54, pages 2049–2077, 2022. (SCI Indexed : Impact factor : 3.1) <https://doi.org/10.1007/s11063-021-10718-0>.
7. S. Chidambaram, C. Pretty Diana Cyril & S. Sankar Ganesh, “An efficient big data classification using elastic collision seeker optimization based faster R-CNN”, *Neural Computing and Applications*, 35, pp.19651–19668, 2023. (SCIE Indexed: Impact Factor: 6.0), <https://doi.org/10.1007/s00521-023-08707-6>.
8. Chidambaram, S., Ramesh, S., Geetha, S, C. Pretty Diana Cyril. “Early Detection of Cardiovascular Disease Using AdaBoost Convolutional Random Arithmetic Trigonometric Algorithm”. *Cognitive Computation*, Vol. 17, Issue 153 (2025). (SCIE Indexed & Q1 Rank, Impact Factor: 4.3) <https://doi.org/10.1007/s12559-025-10511-4>.

NON - SCOPUS INDEXED JOURNAL PUBLICATIONS:

1. Renugadevi S, Chidambaram S, “Secure Transaction in Online Banking System Using IB-mRSA”, *International Journal of Engineering Research & Technology (IJERT)*, ISSN:2278-0181 Vol. 2, Issue 1, January- 2013.

2. Esakkiraj S, Chidambaram S, “A Predictive Approach for Fraud Detection Using Hidden Markov Model”, *International Journal of Engineering Research & Technology (IJERT)*, ISSN:2278-0181, Vol. 2, Issue 1, January- 2013.
3. Kalaiivani R, Chidambaram S, “Additive Gaussian Noise Based data Perturbation in Multi-level trust privacy preserving data mining”, *International Journal of Data Mining & Knowledge management Process (IJDKP)-2014*, Vol.4, No.3, May 2014. <https://doi.org/10.5121/ijdkp.2014.4303>.
4. Kumar M, Chidambaram S, “Optimization Technique for Feature Selection and Classification using Support Vector Machine”, *International Journal for trends in engineering and Technology*, Volume 4, Issue 1, April 2015. ISSN:2349 – 9303.
5. Aishwarya S, Vaishnavichandravadhana P, Chidambaram S, “Automatic Text Sentiment Analysis using Naïve Bayes Algorithm”, *International journal of Advanced Research in Management, Architecture, Technology and Engineering*, ISSN: 2454-9762, Vol.No.2, Issue. 11, March 2016.
6. Ashwin Kumar N, Vijay Kumar B, Vishnu Prabhu S, Chidambaram S, “An sentimental Analysis of product Success Rate Prediction using Text Mining”, *SSRG International journal of computer science and Engineering*, ISSN: 2348-8387, Special Issue, pp.22-26, 2019.
7. Revathi.B , Chidambaram.S, “Sequential Covering Strategy Based Classification Approach using Ant Colony Optimization”, *International Journal of Innovative Research in Science Engineering and Technology (ICIET'14)*, (*Scopus indexed*), ISSN(Online): 2319-8753 Volume 3, Special Issue 3, March 2014.
8. Abarna.A, Amuthavani.B, Varshini.V, Chidambaram.S, “Prediction of Emergency Admissions in Health centres using Data Mining”, *International journal of innovative Technology and Exploring Engineering. (Scopus indexed) Value of Citation: 6.03*, ISSN:2278-3075, Volume-9, Issue 8, Jun 2020, pp.No. 664-667, <https://doi.org/10.35940/ijitee.h6486.069820>.
9. S.Sankar Ganesh, , S.V.Sudha,, S.Ayyasamy,, G.Pandiya Rajan,, S.Chidambaram, “Optimal Feature subset selection and MSVM classification based CBIR for Medical Images”, *International Journal of Advanced Trends in Computer Science and Engineering (Scopus Indexed)*, ISSN 2278-3091, Vol.9, Issue No.4, August 2020. *Doi: 10.30534/ijatcse/2020/81942020*.
10. Aishwarya R, Hakshana P, Maragathavalli V, Shifara Marjan U, Chidambaram S, “Effective Prediction of Heart Disease Using Machine Learning Technique”, *GIS Science Journal (Scopus indexed)*, ISSN No: 1869-9391, Vol. 8, Issue 3, March 2021. *DOI:20.18001.GSJ.2021.V8I3.21.36735*.

3.2 INTERNATIONAL CONFERENCE PUBLICATIONS:

SCOPUS INDEXED:

1. Chidambaram S, Srinivasagan K.G, “Optimization Approach for Feature Selection and Classification with Support Vector Machine”, *Springer AISC Series - International conference on Computational Intelligence in Data Mining (ICCIDM '15) Proceedings*, at Rorland Institute of Technology, Berhampur, Odisha, during 5th & 6th 2015.

2. Poneeswari J, Saranya.D, premchand.S, **Chidambaram S**, “**Predictive and comparative analysis for diabetes using machine learning algorithms**”, Int. Conf. on Smart Tech. and Applications, Ramco Institute of Technology, Rajapalayam, AIP Conf. Proc. 2831, 020023 (2023), <https://doi.org/10.1063/5.0166388>.
3. SugaPriya K, Saranya A, Abinesh S, **Chidambaram S**, "A Performance Analysis of Predicting Diabetics Disease Using Hybrid Machine Learning Approach", *2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)*, Sri Eshwar College of Engineering, Coimbatore, India, 2023, pp. 1105-1108, doi: 10.1109/ICACCS57279.2023.10113086.
4. Narmatha N, Harini D, Abishek S, **Chidambaram S**, “**Ensemble Classification for Stroke Prediction and Diagnosis: Enhancing Accuracy through Collaborative Algorithms**”, 2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), DOI: <https://ieeexplore.ieee.org/document/10368945>, Nov 2023.
5. Aarthi S, Kavishka P, Meena G, **Chidambaram S**, “**A Novel Prediction Technique for Identifying Chronic Kidney Disease in data Analytics Approaches**”, 2023 International Conference on Research Methodologies in Knowledge Management, Artificial Intelligence and Telecommunication Engineering (RMKMATE), DOI: <https://ieeexplore.ieee.org/document/10369646>, Nov, 2023,
6. **S. Chidambaram**, Dharmar V M, Ganesh Ram M, Visal Kumar M, Yogaraj S “**A Hybrid Approach for Time Series Forecasting Using Temporal Convolution Networks and CatBoost Classifier**”, IEEE 2024 International Conference on Emerging Research in Computational Science (ICERCS), 12-14 December 2024, <https://ieeexplore.ieee.org/document/10894990>, ISBN:979-8-3315-3497-4.
7. **S Chidambaram**, M Narayanan, C Sankar, J Santhosh, “**An Ensemble Learning and Machine Learning Approach for Predicting Diabetic Disease**”, IEEE International Conference on Integrated Intelligence and Communication Systems (ICIICS), 22-23 November 2024, DOI: 10.1109/ICIICS63763.2024.10859712, ISBN:979-8-3315-0497-7.
8. M.Dheikshanya, **S.Chidambaram**, “**Data-Driven Insights In To Diabetes Risk Factors And Patient Care Optimization Using Machine Learning Algorithms**”, 2025 Fourth International Conference on Smart Technologies, Communication and Robotics, IEEE Xplore: 03 June 2025, DOI: 10.1109/STCR62650.2025.11019069.
9. AdhiLakshmi S; Vasantha Suba S P; Sheik Raseeth Ansar A; **Chidambaram S**, “**A Comprehensive Hybrid Deep Learning Strategy implementing YOLOv5 Detection and Watershed Segmentation for diagnosing Breast Cancer disease**”, 2025 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IconSCEPT), IEEE Xplore, 23 March 2026, DOI: <https://ieeexplore.ieee.org/document/11437343>.
<https://doi.org/10.1109/IconSCEPT66142.2025.11437343>
10. Akalya K; Prathisha S; Sri Ganga Harini K; **Chidambaram S**, “**Early Detection and Categorization of Cervical Cancer Cells Using Deep Learning Technique**”, 2025 International Conference on Signal Processing, Computation, Electronics, Power and Telecommunication (IconSCEPT), IEEE Xplore, 23 March 2026, <https://ieeexplore.ieee.org/document/11437223>.

NON -SCOPUS INDEXED:

1. Sivakumar V, **Chidambaram S** “**Qos based load distributed energy efficient routing in wireless sensor networks**”, *International Conference on Computing Technologies (ICONCT'09)*, at Mepco Schlenk Engineering College, Sivakasi on 09.11.2009.
2. Ramesh Kumar A, **Chidambaram S**, “**Tele-monitoring heart failures using CART method**”, *International conference on Emerging trends in Computer & Communication Technologies.(EMICS '12)*, at Maria College of Engineering & Technology, during 16th &17th Feb 2012.
3. Kavaiah G, **Chidambaram S**, “**Non technical losses identification & prediction in power utilities using genetic algorithms & support vector machine**”, *International conference on Emerging trends in Computer & Communication Technologies.(EMICS '12)*, at Maria College of Engineering & Technology, during 16th &17th Feb 2012.
4. Muthu Selvi, R, **Chidambaram S**, “**System for detection of fraud in electricity consumption using support vector machine**”, *International conference on Emerging trends in Computer & Communication Technologies.(EMICS '12)*, at Maria College of Engineering & Technology, during 16th &17th Feb 2012.
5. Esskkiraj S, **Chidambaram S**, “**Comprehensive Survey on decision tree algorithms in Data mining**”, *International Conference on E-Governance & Cloud computing Services. (E-Gov '12)*, at Dr.M.G.R University, Chennai, during 17th & 18th 2012.
6. Renuga Devi S, **Chidambaram S**, “**Secure Transaction in online banking system using IB-MRSA**”, *International Conference on Advanced Computing, Machines and Embedded Technology*, at JKK Natraja College of Engineering College & Technology during 08th & 09th 2013.
7. Revathi B, **Chidambaram S**, “**Sequential Covering Strategy Based Classification Approach using Ant Colony Optimization**”, *IEEE International Conference on Innovations in Engineering and Technology (ICIET '14)*, at K.L.N College of Engineering, Madurai, during 21st & 22nd 2014.
8. Kalavani R, **Chidambaram S**, “**Additive Gaussian Noise Based Data Perturbation in Multi-level trust privacy preserving Data mining**”, *International Conference on Innovation in Electronics, communication and computing*, at Velammal college of Engineering and Technology, Madurai, during 10th &11th 2014.
9. **Chidambaram S**, Srinivasagan K.G, “**A combined random noise perturbation approach for multi level privacy preservation in data mining**”, *Recent Trends in Information Technology (ICRTIT)*, Anna University, MIT Campus, on 12.04.2014. <https://doi.org/10.1109/icrtit.2014.6996194>,
10. Kumar M, **Chidambaram S**, “**Optimization Technique for Feature selection and Classification using support vector machine**”, *International Conference on innovations in communications and computer engineering (ICICCE '15)*, at Coimbatore Institute of Technology, Coimbatore, on 15.02.2015.
11. Aishwarya S, **Chidambaram S**, “**Automatic Text Sentiment Analysis using naive bayes algorithm**”, *Int.Conference on Information and communication & Electrical Technologies*, at SriVidya College of engineering and Technology on 24.03.2016.

12. Lakshmi priya A, Divya J, **Chidambaram S**, “**Internal Intrusion Detection and Protection System**”, *Int.Conference on Information and communication & Electrical Technologies*, at SriVidya College of engineering and Technology on 24.03.2016.
13. **Chidambaram S**, “**Identifying patients with copcl at high risk of readmission**”, *International conference on science, technology, engineering and management*, at Kalaignarkarunanidhi Institute of Technology, Coimbatore, during 23rd & 24th 2018.
14. Anusiya S, **Chidambaram.S** “**Women safety android application using GPs and Alert**”, *International conference on science, technology, engineering and management*, at Kalaignarkarunanidhi Institute of Technology, Coimbatore, during 23rd & 24th 2018.
15. **Chidambaram S**, “**An sentimental Analysis of product success Rate Prediction using Text Mining**”, *International conference on current Research in Engineering Science and Technology*, at Jeyaram College of Engineering and Technology on 08.03.2019.
16. Ajay Balaji S, Patrick J, Parthipan S, **Chidambaram S**, “**Mining Twitter Information for Causal connections among tweets and True results**”, *International conference on Innovation in Engineering, science and Technology 2020*, at Kalasalingam Institute of Technology, during 12th & 13th March 2020.
17. Abarna.A, Amuthavani.B, Varshini.V, **Chidambaram.S**, “**Identifying High risk Patients in Emergency Admission using Data mining**”, *International conference on Intelligent systems and Control*, at Karpagam college of engineering, during 9th & 10th 2020.
18. **Chidambaram S**, “**Effective Revelation on Crime Forecasting Using Hybrid Model In Big Data Analytics**”, *International Conference on Mathematical Sciences, ICMS2020*, Sathyabama Institute of Science and Technology, Chennai, March 2020.
19. **Chidambaram S**, “**Effective prediction of heart disease using machine learning technique**”, *Int. Conf. of innovative inventions in engineering and Technology*, at International institute of research in multidisciplinary, Andhra Pradesh, 24.01.2021.
20. Primita R, **Chidambaram S**, “**Diabetic prediction using hybrid Ensembling of different machine learning classifiers**”, *Int. Conf. on Smart Tech. and Applications*, Ramco Institute of Technology, Rajapalayam, during 11th & 12th March 2022.
21. Jayashri K.S, Ishwarya.S, Ragul S, **Chidambaram S**, “**Cardio Vascular Disease Prediction using Machine learning Approach**”, *Int. Conf. on Smart Tech. and Applications*, Ramco Institute of Technology, Rajapalayam, during 11th & 12th March 2022.
22. Deepak Kumar S, Hariharasudhan P, **Chidambaram S**, “**Online shopping recommendation system using three stage algorithms**”, *International conference on artificial intelligence blockchain*, Bannari Amman Institute of Technology, sathyamangalam on 5th & 6th January 2023.
23. Sugapriya K, Saranya A, Abinesh S, **Chidambaram S**, “**Diabetes Prediction using Boosting Algorithms in Data Analytics**”, *International conference on artificial intelligence blockchain*, Bannari Amman Institute of Technology, sathyamangalam on 5th & 6th January 2023.
24. **Chidambaram S**, “**Diabetics prediction using Hybrid ANN with Logistic regression algorithm**”, *Int. Conf. on artificial intelligence, 5G communications and*

network Technologies, during 23rd & 24th March 2023, at Vellammal Institute of Technology, Chennai.

3.3 NATIONAL CONFERENCE PUBLICATIONS

1. **Chidambaram S**, Anantha Kumaran S, “**Advanced computer engineering and networking**”, *Advances in Computer Engineering and Networking*, at PSNA college of Engg and Tech, Dindigul, on 21.03.2009.
2. Ramesh Kumar A, **Chidambaram S**, “**Home monitoring of heart failure using data mining**”, *Computing Technologies (MEPCONCT '12)*, at Mepco Schlenk Engineering College, Sivakasi, on 14.03.2012.
3. Renuga Devi S, **Chidambaram S**, “**Survey on Asymmetric Key encryption algorithms**”, *Modeling, Simulation and Optimization (NCMSO '12)*, at VELS University, Chennai, on 02.11.2012.
4. Esakkiraj S, **Chidambaram S**, “**Decision Tree based prediction model for fraud detection using Hidden Markov Model**”, *Emerging Trends in Computer Science and Engineering (ETICSE'13)*, at K.S.R Engineering college on 06.03.2013
5. Sangeetha Devi I, **Chidambaram S**, “**Data Collection in partitioned wireless sensor network using multi-mobile element system**”, *NCFCSCT '13*, at Sri Ramakrishna Engineering College Coimbatore, during 12th & 13th 2013.
6. Renuga Devi S, **Chidambaram S**, “**Identity based Transaction Using Advanced Encryption Standard (AES) in Banking System**”, *Emerging Trends in Computer Engineering and Technology*, at Sri Vidya College of Engineering College & Technology, Virudhunagar, on 08-03-13.
7. Sangeetha Devi I, **Chidambaram S**, “**Mobile Robot based Data collection in wireless sensor Networks**”, *Emerging Trends in Computer Engineering and Technology*, at Sri Vidya College of Engineering College & Technology, Virudhunagar, on 08.03.13
8. Revathi, **Chidambaram S**, “**Improving Classification accuracy using feature selection techniques**”, *VISION '14*, at Government College of Engineering, Tirunelveli, on 03.04.14.
9. Arunaa Kalai Vani K, **Chidambaram S**, “**Rarity based risk score with scalling method for android applications**”, *National Conference on Computing and Applications (NACCA'15)*, at National Engineering College on 23-03-15.
10. Sameera M, Sivaranjani P, **Chidambaram S**, “**Continuous authentication and Biometrics user Identity verification for the internet security**”, *National Conference on Computing and Applications (NACCA'15)*, at National Engineering College on 23.03.15.
11. Kumar M, **Chidambaram S**, “**Feature selection optimization technique using support vector machine classifier (FACT ' 15)**”, *National Conference on Frontiers in Applied Science and Computer Technology (FACT'15)*, at National Institute of Technology, Trichy during 6th & 7th 2015.
12. Aishwarya S, **Chidambaram S**, “**Automatic Text Sentiment Analysis using Naïve bayes Algorithm**”, *National conference on Engineering Applications, at Universal College of Engineering and Technology* on 21.03.2016.

13. Lakshmi Priya A, Divya J, Chidambaram S, “**Internal Intrusion Detection and Protection System**”, *National conference on Advanced Computing Technologies*, at Sri Vidya College of Engg. and Technology, on 24.03.2016.

4. ADMINISTRATIVE ACTIVITIES:

- In-charge for the entire college computer consumable resources at National Engineering College, Kovilpatti from 2009 to 2014.
- Incharge for Computer System purchase for National Engineering College and its sister institutions from 2015 to 2021.
- Campus Wifi network infrastructure upgradation committee member.
- Coordinator for IT Association at National Engineering College, Kovilpatti from 2018 & 2019.
- NBA Coordinator for (Criteria III & IV).
- NAAC coordinator for (Criteria VI).
- IQAC Member – Institute Level.
- Placement coordinator for IT department at National Engineering College, Kovilpatti during 2012 and 2020.
- Acting as a CSI student branch councilor during 2021-2022.
- Acted as IEEE CS and IEEE branch faculty coordinator during 2023-2024.
- NBA department coordinator during 2024-2025.
- ICT Academy Coordinator during 2024-2025 to till date

5. INVITED TALKS:

1. Acted as resource person for SDP on “**Secure Routing In Wireless Sensor Networks**” at National Engineering College, Kovilpatti, on 17.07.2009.
2. Acted as resource person for the seminar on “**Mobile Communication and Pervasive computing**” at Francis Xavier Engg. College, Tirunelveli, on 15.08.2015.
3. Acted as resource person for the seminar on “**Recent Trends in Mobile Communication and Wireless Sensor Networks**” at G.U Pope College of Engineering, Thoothukudi, on 22.10.2015.
4. Acted as resource person for the AICTE sponsored FDP on “**Data Science Research and Big data Analytics**” at National Engineering College, Kovilpatti, on 20.12.2017.
5. Acted as resource person for the seminar on “**Data mining and Deep learning techniques in recent applications**” at National Engineering College, Kovilpatti, on 06.07.2019.
6. Acted as an **expert member for the Academic Audit** conducted by IT Department, St.Xavier’s Catholic College of Engineering, Nagarcoil on 14.10.2023.
7. Delivered Guest Lecturer in the topic of “**Text Sentimental Analysis**” for the Six days ATAL FDP on “**Recent Trends in Information and Communication Engineering**” organized by CSE Dept, St.Mother Theresa Engineering College, Thoothukudi on 07-11-2023.
8. Acted as resource person for the Anna University sponsored FDTP on “**CCS334 – Big Data Analytics**” in the topic of Web analytics organized by IT Dept, National Engineering College, Kovilpatti, on 22-07-2024.

9. Acted as resource person for the Faculty Training Programme on “**Advanced Data Analytics with Machine Learning**” organized by CSE Dept, J.P College of Arts and Science, Tenkasi on 19-02-2025.
10. Visited **Brain Computer Interface (BCI) Research Lab, at IIT Kharagpur** during 28.02.2025 & 01.03.2025 and Interacted with **Prof. Dr.Debasis Samantha** for establishing the Lab at NEC.
11. Acted as resource person for the one day faculty Training programme on “**Advanced Data Analytics with Machine Learning**” organized by J.P College of Arts and Science, Tenkasi on 19.02.2025.
12. Acted as resource person for the National level Online Faculty Development Programme on “**Effective Teaching in the 21st Century : Strategies and Tools for Success**” organized by ECE Dept, J.P College of Arts and Science, Tenkasi on 21-03-2025.
13. Acted as resource person and deliver the talk on “**ML Approaches for Data Prediction in WSN Environments**” in the 5-Day Faculty Development Program (FDP) on “Emerging Trends and Research Opportunities in Wireless Sensor Networks and Internet of Things”, organized by School of Computer Science and Engineering, **VIT-AP University**, Amaravati on 21-03-2025.
14. Acted as chairperson in **International conference on intelligent computing and Vision Technologies (ICICVT-2025)** held at SKN Sinhgad College of Engineering, Pandharpur during 12.12.2025 & 13.12.2025.
15. Acted as conference Keynote speaker & session chair for the **2nd international conference on cloud computing and intelligent systems (ICCCIS ‘2026)** organized by Dept.of CSE, Dr. G.U Pope College of Engineering, Thoothukudi on 16.04.2026.

6. FUNDED PROJECT :

Title of the project : Third eye for visually impaired people.

Funding Agency : DST- NSTEDB - NewGen IEDC scheme.

Amount Sanctioned: Rs. 2,50,000/-

Period : 2021-2022

7. PROFESSIONAL SERVICE: ACADEMIC COMMITTEE

- Programme Criteria IV Coordinator of IT department for **NBA Tier I Accreditation** at National Engineering College, Kovilpatti from 2015 to 2019.
- **Board of Studies** member to frame a curriculum and syllabus for IT Department at National Engineering College, Kovilpatti from 2019 & 2020.

8. INDUSTRIAL TRAINING PROGRAM ATTENDED:

- Attended Industry visit on *Latent View Technologies, chennai* on 19-12-2017 – Advanced Analytics and Machine learning.
- Attended industrial Training program at *Jilaba Software Services private Limited, Chennai* on Java and SQL from 10-09-2018 to 15-09-2018.

- Attended IBM industrial based **Virtual Faculty buildathon Data Analytics with Cognos** Training program from 21.11.2023 to 02.12.2023.
- Attended Industry know how at M/s Alpha Business Solutions Pvt.Ltd, Tirunelveli from 02.06.2025 to 06.06.2025.

9. SPECIAL ACHIEVEMENTS:

- Certified **EMC Academic Associate**, in Data Science and Big data Analytics.
- Certified **instructor** for Cisco Networking Academy Program from Oct 2025 onwards.
- Certified **instructor** for handling **Oracle Academy** courses.
- Certified Master Trainer in “**Foundation skills in integrated product development**” course.
- Completed Coursera course “**The Data Scientist Tool box**” – (Grade Score 92%)
- Completed coursera course “**Introduction to Data Analytics for Business**” (Grade Score : 91.9%)
- Signed MoU with industry “**Zeros and Ones Technology**” to involve in product development activities.

10. MEMBERSHIP IN PROFESSIONAL BODIES:

- ISTE Life Member (LM91587).
- IE(I) Life Member.(M-1774624)
- Member in International Association of Engineers (IAE) (No.265438)
- Member of Institute of Engineering Research and Publications (IERP). (ID No.PM91537028).

11. REVIEWER IN THE REPUTED JOURNALS:

- Knowledge and Information Systems – Springer Publisher.
- Cluster Computing.
- Machine learning

12. BOOK CHAPTER PUBLISHED:

- “Optimization Approach for Feature Selection and Classification with Support Vector Machine”, part of Advances in Intelligent Systems and Computing book series (AISC, volume 410), Computational Intelligence in Data Mining—Volume 1 on pages 103 to 111. 2016. https://doi.org/10.1007/978-81-322-2734-2_11.
- “**IoT based ECG monitoring system for smart healthcare data applications**”, Recent Advancement of IoT devices in Pollution Control and Health Applications, Woodhead Publishing Advances in Pollution Research (**Scopus Indexed**), 1st Edition, **Elsevier**.2023. <https://doi.org/10.1016/B978-0-323-95876-9.00007-0>.
- “**Role of Artificial Intelligence in Healthcare: Technologies, Applications, Challenges and issues**”, Contemporary Applications of Data Fusion for Advanced

Healthcare Informatics (**Scopus Indexed**), IGI Global publisher, Doi: 10.4018/978-1-6684-8913-0.ch018, 2023.

- **Chidambaram S., Pretty C., Geetha S, “Evolutionary Algorithm-Based Solutions for Energy Efficiency in Wireless Sensor Networks”, Battery-Free Sensor Networks for Sustainable Next-Generation IoT Connectivity, (Scopus Indexed), IGI Global publisher, DOI: 10.4018/979-8-3693-7600-3.ch008, Pages: 570, February, 2025.**
- **Chidambaram S, “A Comprehensive Analysis on Advanced Techniques in Healthcare Sensor Data Analytics”, Sensor Data Analytics for Intelligent Healthcare Delivery (Scopus Indexed), ISBN 9781032775463, CRC Routledge Taylor & Francis publisher, Published October 22, 2025.**
- **Chidambaram S., Gowthami N., Ramya G., Tamilselvi S., “Navigating scalability Insights into blockchain enabled SDN”, Blockchain and Software Defined Networking Opportunities Challenges and Future Trends, (Scopus Indexed), CRC Press, Taylor and Francis Group, First Edition, Pages 19, 2026. [https://www.taylorfrancis.com/chapters/edit/10.1201/9781003504559-3/navigating-scalability-gowthami-ramya-tamilselvi-chidambaram.](https://www.taylorfrancis.com/chapters/edit/10.1201/9781003504559-3/navigating-scalability-gowthami-ramya-tamilselvi-chidambaram)**

12. PATENTS:

- **Dr. S. Geetha, Dr.C. Pretty Diana Cyril, Dr . S.Chidambaram, Mrs. Priyanka R, R. Geetha, V. Deepa, “Rapid transaction technique using flexible blockchain configuration in Industrial IoT networks”, Application No.: 202141008443 A under Intellectual Property Rights of India, Published on 05/03/2021.**
- **Dr.A.Shaji George, Dr.C.pretty Diana Cyril, Dr.P.Balaji Srikanth,Dr.S.Chidambaram, Dr.R.Radhika., “ IOT Based Device for Enhanced Network Security”, Design pattern No.45469-001. Date: 28/3/2025, A under Intellectual Property Rights of India.**