

Name : Dr. K.Santhi
Designation : Professor
Department : Information Technology
Qualification : MCA, M. Phil., Ph. D
Experience : Teaching: 22 Years 8 Months Research:19 Years
Area of Specialization(s) : Networking
Personal Mail-ID :santhivisu2002@gmail.com



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Application	Anna University	Nov 2014
M. Phil.	Computer Science	Gobi Arts and Science College	2004
MCA	Computer Applications	Gobi Arts and Science College	2001
B.Sc	Physics	Gobi Rural Arts and Science College	1998

Additional Qualifications

Typewriting English - Junior Grade

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certificate	Virtualization for Beginners	VMWare Academy IT	2016
Online Certificate	Computer Network	NPTEL	2017
Online Certificate	GST in 90 Minutes	ICT Academy	2017
Online Certificate	Cloud Infrastructure and Services	EMC Education Services	2017
Online Certificate	Communication Skills	TCS iON Digital Learning Hub	2019

NPTEL Certificate	Enhancing Soft Skills and Personality	NPTEL	Feb-Apr 2020
NPTEL Certificate	Python for Data Science	NPTEL	Sep-Oct 2020
NPTEL Certificate	Introduction to Internet of Things	NPTEL	Jun-Oct 2021
NPTEL Certificate	Java Programming	NPTEL	July-Oct 2022
NPTEL Certificate	Introduction to Database System	NPTEL	Jan-Apr 2024
NPTEL Certificate	OBE and Accreditation	NPTEL	Jul-Oct 2025
NPTEL Certificate	Cloud Computing	NPTEL	Jul-Oct 2025

Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Software Consultancy	LASHTECH Computer Service	10,000	Completed
Software Consultancy	Sree Amman Fuels	10,500	Completed
Software Consultancy	Pink & Orange Technologies	10,000	Completed

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	1	3
M. Phil.	13	-

Research Publications (Indexed)

International

- **K.Santhi** & M.Punithavalli, “Reliable and Effective Load Balanced Routing Protocol for Mobile Ad Hoc Networks” , European Journal of Scientific Research, PP.No: 357-366, Vol.81 No.3, Issue: July 2012, ISSN: 1450-216X, (Indexed in Elsevier Bibliographic Databases/Scopus).
- P.Bakeyalakshmi & **K.Santhi** “A Survey On Intrusion Detection in manets”, International Journal of Advancements in Research & Technology, PP.No: 1-8 Issue: Volume 1, Issue 5, Oct 2012, ISSN: 2278-7763 (Indexed in Google Scholar).
- Surya.G & **Santhi.K** , “An Enhancement of Routing In Mobile Ad Hoc Networks for Increasing the Speed of Reliable Data Transformation”, International Journal of Computer Science and Management Research, PP.No: 502-508, Issue: Vol. 1,No.3, Oct 2012, ISSN:2278-733X. (Indexed in Google Scholar).
- **K.Santhi** & Dr.M.Punithavalli, “Study on a Reliable and Effective Cache Management Technique for DSR Protocol in Mobile Ad hoc Networks”, RESEARCH INVENTY: International Journal of Engineering and Science, PP.No: 42-48, Issue: Vol. 1 No.8, Nov 2012, ISSN: 2278-4721 (Indexed in DOAJ)
- **K.Santhi** & P.Bakeyalakshmi , “Principal Component Analysis in Routing to Identify the Intrusion by Sequential Hypothesis Testing”, RESEARCH INVENTY: International Journal of Engineering and Science, PP.No: 13-19, Issue: Vol.1 No.8, Nov 2012, ISSN: 2278-4721. (Indexed in DOAJ)
- **K.Santhi** & M.Punithavalli, “Optimized Reliable And Load Balanced Routing Protocol For Mobile Ad Hoc Networks”, Journal of Theoretical and Applied Information Technology (JATIT)), PP.No: 489-497, Issue: Vol.51 No.3, May 2013, ISSN: : 1992-8645(Indexed in EBSCO Publishing USA, Google Scholar journals, Elsevier Scopus)
- M.Kirthika & **K.Santhi**, “A Study On Data Replication Technique In Manet”, International Journal of Research in Advent Technology, PP.No: 450-455, Issue: Vol. 1, No.5,Dec 2013, E-ISSN: 2321–9637. (Indexed in Google Scholar).
- **Santhi.K** & Deepa.J, “A Study on Delay Tolerant Networks “,International Journal of Emerging Technologies in Computational and Applied Sciences, PP.No: 27-29, Spl. Issues: February 2014, ISSN (Print): 2279-0047 ISSN (Online): 2279-0055(Indexed in Google Scholar, DOAJ, EBSCO).

- L.Shrinithi & **K.Santhi** “Survey on Cooperative Opportunistic Routing Scheme in MANET”, International Journal of Advent Research in Computer & Electronics, PP.No: 1-4, Issue: Vol.1, No.1, March 2014, E-ISSN:2348-5523.
- J.Deepa & **K.Santhi** “A Defense approach for detecting State Explosion Attacks in Practical Mobile Data Offloading”, International journal of Engineering & Technical Research , PP.No: 197-200, Issue: Vol-3, issue-5 , May 2015, ISSN: 2321-0869. (Indexed in Google Scholar)
- **Dr.K.Santhi** , “QoS Guided Route Discovery Based on Bandwidth and Latency” , International Journal of Applied Engineering Research, PP.No:24999-25016, Volume 10, Number 10 (2015), ISSN: 0973-4562.(Indexed in Scopus, EBSCO host, Google Scholar)
- **K.Santhi** & V.Abinaya , “Intrusion Detection System for Black Hole Detection and Prevention in MANET Using Adaptive Neural Fuzzy Inference System”, International Journal of Computer Science and Engineering, PP.No:82-88, Issue: Volume 3, Issue-12, Dec 2015, E-ISSN: 2347-2693.(Indexed in DOAJ, Google Scholar)
- V.Abinaya & **Dr. K.Santhi** “HOP-COUNT BASED ENHANCED COOPERATIVE BAIT DETECTION SCHEME USING PREVENTION OF COLLABORATIVE BLACK HOLE ATTACK IN MANET” , International Journal of Computer Technology & applications, PP.No: 253- 260, Issue: Volume 7, Number 2, , April 2016, ISSN:2229-6093(Indexed in Google Scholar, EBSCO HOST, DOAJ).
- **Dr.K.Santhi** & Dr.G.Kalpna , “Optimized Route Technique for DSR Routing Protocol in MANET”, International Journal of Computer Technology and Applications, PP.No: 773-779, Issue: Vol-7, Issue-6, Nov-Dec-2016, ISSN:2229-6093.(Indexed in DOAJ, Google Scholar).
- Ms.Raghavi & **Dr.K.Santhi**, “Social Media and Cyber Wellness”, International Journal of Advanced Computer Applications, PP.No:41-43, Volume:VI, Issue:1, Dec-2016.
- K.G.Arthi & **Dr.K.Santhi** , “Dynamic Routing for Flying Ad Hoc Network”, International Journal of Advanced Research in Computer and Communication Engineering, PP.No: 161-170, Issue: Vol.6, Issue-4, , ISSN: 2278-1021(online) ISSN: 2319-5940 (Indexed in Google Scholar).
- A.C.Ashmita & **Dr.K.Santhi**, “A comprehensive study on Amazon AWS Cloud Services and Architectural Framework”, International Journal of Engineering Science Invention,

PP.No:17-26, Volume:1, Jan 2018. ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 (Indexed in Google Scholar, EBSCO HOST).

- S.Dhiwakar & **Dr.K.Santhi**, “ Application of Online Goods Booking System Using Php and MySQL”, International Journal of Scientific Research in Engineering and Management, PP.No:1-8, Volume:04 Issue:07, July-2020, ISSN:2582-3930. (Indexed in UGC, Google Scholar)
- B.Aishwarya, Dr.V.Vinodhini, Mrs.N.Vanitha & **Dr.K.Santhi**, “ A Study on Visual Cryptographic Encryption Technique for Securing Medical Images” International Journal of Scientific Research in Engineering and Management, Volume:04 Issue:07, PP.No:1-8, July-2020, ISSN:2582-3930. (Indexed in UGC, Google Scholar)
- V.Madhumitha, Dr.V.Vinodhini, Mrs.N.Vanitha & **Dr.K.Santhi**, “ An Investigation on organizing Photo Chipping in Online Social Networks”, International Journal of Scientific Research in Engineering and Management, Volume:04 Issue:07, PP.No:1-8, July-2020, ISSN:2582-3930. (Indexed in UGC, Google Scholar)
- S.Nivetha, Dr.V.Vinodhini, Mrs.N.Vanitha & **Dr.K.Santhi**, “Fingerprint Detection System for Online Transactin Using Image Pre-Processing Technique” International Journal of Scientific Research in Engineering and Management, Volume:04 Issue:07, PP.No:1-8, July-2020, ISSN:2582-3930. (Indexed in UGC, Google Scholar)
- Dr.V.Vinodhini, Dr.G.Kumuthini & **Dr.K.Santhi**, “ A Study on Behavioural Analysis of Specific Ransomware and its Comparison with DBSCAN-MP”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, PP.No:1-6, Volume:7, Issue:1, Jan-Feb 2021, ISSN: 2456-3307. (Indexed in UGC, Google Scholar)
- **Dr.K.Santhi**, Dr.V.Vinodhini, “Study on Selection Methods of Parents and Crossover in Genetic Algorithm”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, PP.No:280-285, ISSN: 2456-3307. Volume: 7, Issue:2, March - April 2021,(Indexed in UGC, Google Scholar).
- Donu Jose. V, **Dr.K.Santhi**, “SURVEY ON PLANT LEAF DISEASE DETECTION AND ANALYSIS THROUGH MACHINE LEARNING TECHNIQUES”, International journal of analytical and experimental modal analysis, PP.No:486-496, ISSN:0886-9367,

Volume XIII, Issue IV, April-2021,(UGC-CARE Group 'II' Journals List:UGC-CARE Group 'II' Journals list -Serial No. 36272)

- Nandhini.N, **Dr.K.Santhi**, Dr.V.Vinodhini, “EMPLOYEE PERFORMANCE ANALYSIS TOOL”, “International Journal of Scientific Research in Engineering and Management (IJSREM)”, PP.No:1-4, Volume: 05 Issue: 05 May - 2021 ISSN: 2582-3930, May 2021.(Indexed in UGC, Google Scholar)
- Donu Jose. V, **Dr.K.Santhi**, “Early Detection and Classification of Apple Leaf Diseases by utilizing IFPA Genetic Algorithm with MC-SVM, SVI and Deep Learning Methods”, INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY, PP.No:1440-1450, ISSN Print: 0974-6846, Vol:15, Issue:29, July-2022.(Web of Science)
- Donu Jose.V, **Dr.K.Santhi**, “Robust Detection and Classification of Apple Leaf Diseases at Early Stage by utilizing Reconnaissance Cognitive SDS Method with Enhanced IWO Algorithm”, NeuroQuantology, PP.No: 544-559, Vol.20, Issue.No.20, December 22. (Scoups).
- Dr.K.Santhi, E.Asvitha, D.Hemala, P. Mahalakshmi, “Impact of Cyber Security in Our Society”, INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, Volume 10, Issue 2, July -2023, PP:1012-1016, ISSN: 2349-6002.
- Dr.K.Santhi, S.Saraswathi, M.Soundarya, S.Priyanka, “Data Management and The Era of 5G Technology”, Journal Of Emerging Technologies and Innovative Research, Volume:10, Issue:8, Aug-2023, PP:347-350, ISSN-2349-5162.
- Ms.Shalini.M, Mr. Selva Vigneshwaran, **Dr.K.Santhi**, “IoT Based Intelligent Greenhouse Monitoring System”, International Journal of Engineering Inventions, Volume :12, Issue: 6, June-2023, PP.No:1-5, e-ISSN: 2278-7461, p-ISSN: 2319-6491.
- Jose V Donu, K.Santhi, “Real Time Classification and Detection of Apple Leaf Diseases at Early Stage by Employing Enhanced Paddy Field Pattern Search Method (EPF-PSM) with 2LC” , Indian Journal of Science and Technology, Vol:16, Issue:22, June 23, PP.No: 1682-1693, Electronic: 0974-5645.
- Dr.K.Santhi, R.Mohammed Abu, G.Dilip Kumar, M.Sivashankar, B.Ruban Raj, “Hand Gesture Recognition on Indian Sign Language using Neural Network”, Journal of Emerging Technologies and Innovative Research, Vol:10, Issue: 9, Sep 23, PP.No:86-90, Electronic ISSN-2349-5162.

- Dr.N.Sathya , Dr.K.Santhi, “Improved Nature Inspired Intelligence Techniques for Shortest Path Routing in Network Problems”, Journal of Propulsion Technology, Vol:44, No.:6, 2023, ISSN:1001-4055, PP.No: 5982-5992.
- Dr.G.Kalpana , Dr.K.Santhi, “ A Systematic Review on Deep Learning Approach in Real World Application” , IAPQR Transactions, Vol. 49, Issue 02, No. 04:2024, ISSN: 0970 - 0102, PP. No: 139-144.
- R.Ramakrishanaveni, Dr. K.Santhi, “RESEARCH REVIEW ON DIFFIE HELMAN KEY EXCHANGE, RSA AND AFFINE CIPHER FOR DATA SECURITY”, IAPQR Transactions, Vol. 50, Issue 01, No. 01 : 2025, ISSN **0970-0102** , PP.No:179-183
- Dr.S.Omprakash, Mrs.K.R.Prabha, Mrs.P. Shanthi, Dr.K.Santhi, Dr.M.Sangeetha, “Computer Vision in Medical Imaging Detecting Tumors Using AI-Powered Image Processing “ , The Bioscan, Vol.20, Issue 01:2025, ISSN:0973-7049, PP.No:651-655.
- R. Deepika, Dr. K. Santhi, “Enhancing Career Development through Alumni Engagement Platforms: An Analytical” , International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol.11, Issue 02, March-April-2025, ISSN : 2456-3307, PP.No:1283-1287.
- Kanishkaa.S, Santhi. K, “ A COMPARATIVE ANALYSIS OF JACCARD AND COSINE SIMILARITY FOR PLAGIARISM DETECTION”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol. 13, Issue 3, March 2025, ISSN: 2321-2004, PP.No:59-64.
- S.Suganth, Dr. K. Santhi, “Smart Farming Equipment Rental System” , International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol.11, Issue 02, March-April-2025, ISSN : 2456-3307, PP.No:1170-1177.
- V. Ajay Priyadharsan , Dr. K. Santhi, “ Animal Detection system using OpenCV” , International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 4, April-2025, ISSN (O) 2321-2004, PP.No:25-31.
- Deepika. D.S, Santhi. K, “PAWPREDICT USING YOLO (You Only Look Once) FOR OBJECT DETECTION “ International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 3, March-2025, ISSN (O) 2321-2004, PP.No:149- 156

- S. KEERTHANA, DR. K. SANTHI, “LEVERAGING MACHINE LEARNING ALGORITHM FOR DETECTING PSYCHOLOGICAL INSTABILITY”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 3, March-2025, ISSN (O) 2321-2004, PP.No:195- 202.
- R.Mugil Vishnu, Dr.K.Santhi, “BITCOIN PRICE PREDICTION USING MACHINE LEARNING AND DEEP LEARNING MODELS”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 4, April-2025, ISSN (O) 2321-2004, PP.No:240-243.
- K. Naveen, Dr. K. Santhi, “Secure Application Using Multifactor Authentication”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 3, March-2025, ISSN (O) 2321-2004, PP.No:203-209
- M.Sabarishan , Dr. K. Santhi, “INDUSTRY ENERGY CONSUMPTION PREDICTION USING MACHINE LEARNING ALGORITHM”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 3, March-2025, ISSN (O) 2321-2004, PP.No:370 - 374
- Winmaniraja. B, Santhi. K, “RAINFALL PREDICTION SYSTEM USING MACHINE LEARNING ALGORITHM” , International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 3, March-2025, ISSN (O) 2321-2004, PP.No: 260 -263
- Rithanya.P.M, Santhi. K, “A MODULAR EVENT MANAGEMENT SYSTEM WITH REAL-TIME COLLABORATION AND ONLINE BOOKING FEATURES”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 3, March-2025, ISSN (O) 2321-2004, PP.No: 260 -263
- R. Sriman, Dr. K. Santhi, “ AES Based Image Encryption and Decryption for Secure Data Transfer”, International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.13, Issue 3, March-2025, ISSN (O) 2321-2004, PP.No: 276 -280.
- R. Anitha and K. Santhi “An Optimized Machine Learning Model for Predicting Biogas Production from Anaerobic Digestion: A Literature Survey”, Indian Journal of Natural Sciences, Vol.16 , Issue 92 , Oct - 2025, ISSN: 0976 – 0997, [PP.No:101049-101055](#)

- Mrs. R. Ramakrishnaveni and Dr. K. Santhi, “AN INNOVATIVE APPROACH TO KEY EXCHANGE: DUAL SECURED DIFFIE - HELLMAN WITH RSA AND IMPROVED AFFINE CIPHER INTEGRATIONS”, International Journal of Applied Mathematics, Volume 38 No. 118, Dec 2025, ISSN: 1314-8060, [PP.No:](#) 375 – 387
- V. S. JAGADEESWARAN1, DR. K. SANTHI , “DP-MCR: A BIO-INSPIRED MULTI-CONSTRAINT ROUTING PROTOCOL FOR DELAY-RESILIENT AND SECURE COMMUNICATION IN AGRICULTURAL IOT NETWORKS”, Journal of Theoretical and Applied Information Technology, Vol.103. No.24, December 2025, E-ISSN: 1817-3195, PP.No:10520 - 10545.
- Abhishek Kumar G & , Dr. K. Santhi, “ An Integrated E-Procurement System for Government Tender”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [pp.No:232](#) - 241
- Dharshan M S & Dr. K. Santhi, “Prediction of Alzheimer's Disease Using Machine Learning”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [PP.No:](#) 381-388
- Dharshana G R & Dr. K. Santhi, “AI POWERED FOOD NUTRITION ANALYZER USING IMAGE RECOGNITION” , International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 2, February 2026, ISSN (O) 2393-8021, [PP.No:](#) 328-331.
- Monish K & Dr. K. Santhi, “AI Driven Healthcare Virtual Assistant For Disease Prediction And Personalized Recommendations”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [PP.No:](#)113 - 117.
- Mugundhan AV &, Dr. K. Santhi, “ THE PERSONALISED TRAVEL PLANNING SYSTEM WITH AI ASSISTANT”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 2, February 2026, ISSN (O) 2393-8021, [PP.No:](#)440 - 447
- Perarasan K & Dr. K. Santhi, “A Web-Based Intelligent System for Automated Detection, Classification, and Analysis of Microplastics from Microscopic Images Using Ultralytics YOLO”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [PP.No:](#)131 - 137

- Raghul R B & Dr. K. Santhi, “Neuro Guard: A Multimodel Framework for Early Mental Health Risk Prediction and Intervention”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [PP.No:](#) 307 - 313.
- S. Sankar & Dr. K. Santhi, “ Web Portal For Acting Driver Hiring System”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [PP.No:](#) 49 - 56.
- Santhosh M1 & Dr. K. Santhi, “ HEART DISEASE PREDICTION USING RANDOM FOREST CLASSIFIER”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 2, February 2026, ISSN (O) 2393-8021, [PP.No:](#)435 - 439.
- Sowmiya C & Dr. K. Santhi, “ AI RESUME ANALYZER”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [PP.No:](#) 185 - 191.
- Vignesh S & Dr. K. Santhi, “ DETECTING MALICIOUS URLs USING DATA ANALYTICS AND MACHINE LEARNING”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [PP.No:](#) 319 - 325.
- Yuvaraj S & Dr. K. Santhi, “ Pest Detection in Crops Using Machine Learning”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 13, Issue 3, March 2026, ISSN (O) 2393-8021, [PP.No:](#) 326 - 331

Book Chapter Publication

- “STUDY OF MANET AND ITS CHALLENGES” , INTELLIGENT AUTOMATION CONTROL FOR SCIENTIFIC RESEARCH IN ENGINEERING – VOLUME I, ISBN NO: 978-939-0-95691-3, PP.No: 7-13, May 2022.
- “Effects Of Cybersecurity on Healthcare”, Handbook of Research on CyberSecurity in Healthcare, ISBN No: 9789352886432, PP.No:100-105
- “APPLICATION OF VGG IN REAL TIME IMAGE DETECTION”, Digital Information Security and Computing Technologies, IC - DISCT 2022 International Conference Chapters Edited Book Volume I, ISBN No:9789356203211, PP.No:9-17

- “AN ADVANCED SURVEY FOCUSING ON CLOUD COMPUTING”, Recent Trends in the Field of Computer Science and Information Technology, Charulatha Publications, ISBN.No: 978-93-5577-685-3, PP.No: 8-17, Dec 2023.
- “FLOWER POLLINATION ALGORITHM INVASIVE WEED OPTIMIZATION ALGORITHM AND PADDY FIELD ALGORITHM IN PREDICTION OF LEAR DISEASES”, Recent Trends in the Field of Computer Science and Information Technology, Charulatha Publications, ISBN.No: 978-93-5577-685-3, PP.No: 8-17, Dec 2023.
- “From 5G to 6G: A Systematic and Analytical Survey of Architectures, Enabling Technologies, Applications and Research Challenges”, Recent Trends in Information Technology & Communication for Industry 4.0,RcHub Academy Publication ISBN 978-81-966869-4-9, [PP.No:124](#) -133
- “Block chain Technology in Financial Markets: Enhancing Security, Transparency, and Efficiency”, Artificial Intelligence, Digital Payment Systems, And Financial Inclusion: Revolutionizing Retail and Beyond, RcHub Academy Publication, ISBN: 978-81-972363-8-9

Presentations in Conference

- “A reliable and effective cache management technique for DSR routing protocol for MANET”, IEEE sponsored International Conference on Computer Modeling and Simulation, Navinchandra Institute Of Technology, Mumbai on 9th and 10th January 2011.
- “A survey on performance evaluation of DSR Routing protocol Enabled with QoS”, National Conference on Advanced Trends in Computer Technology, Dr. NGP Arts and Science College , Coimbatore on 3rd February 2012.
- “A study on principal component analysis in intrusion detection for wireless ad-hoc networks”, National Conferences on Issue and Trends in Advanced computing, Banari Amman Institute of Technology, Sathyamangalam on 17th & 18th March 2012.
- “A Survey on Route Cache Update Mechanisms in DSR Protocol”, National Conference on Innovations in Communicative World, Dr. NGP College of Arts & Science College, Coimbatore on 27th September 2012.

- “ Analysis on Intrusion Detection in Mobile ad hoc network”, National Conference on Innovations in Communicative World , Dr. NGP College of Arts & Science College, Coimbatore on 27th September 2012.
- “Study on a Reliable and effective cache management technique for DSR protocol in Mobile Ad hoc Networks”, International conference on Science, Engineering and Technology Vellore institute of Technology, Vellore, 8th & 9th November 2012.
- “A survey on effective cache management techniques in dynamic source routing “ , Regional Science congress on Science for shaping the future of India, Kongunadu Arts and Science College, Coimbatore on 15th & 16th December 2012.
- “A survey on data replication technique to improve the data availability and controlling queue delay in manet” , CSIR & ISTE sponsored National Conference on Advances in Intelligent and optimized Computing Paradigm, Vivekananda institute of information and management studies , Tiruchengode on 6th & 7th September 2013.
- “A study on delay tolerant networks”, National conference on Research Issues in Computer Application , Dr.NGP College of Arts and Science, Coimbatore on 21st February 2014.
- “Effective approaches for improving scalability for DSR in MANET”, UGC sponsored National Conference on Cyber Security , PSGR Krishnamal College for Women, RamaCoimbatore on 9th & 10th January 2014.
- “A Study on Mobile Ad Hoc Network Security”, UGC sponsored National Conference on Cyber Security, PSGR Krishnamal College for Women, Coimbatore on 9th & 10th January 2014.
- “A Survey in Mobile Adhoc Networks”, National conference on Innovative Trends in information technology, KG College of Arts & Science, Coimbatore on 7th February 2015.
- “Performance Analysis Of Routing Protocols In Blackhole Attacks”, IEEE sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIECS’15, Karpagam College of Engineering, Coimbatore on 19th & 20th march 2015.
- “Survey on Flying Ade Hoc Network”, National conference on computer communication and information technology , Dr.NGP College of Arts & Science, Coimbatore on 28th September 2016.

- “Social Media and Cyber Wellnes”, International Conference on Digital India-The Unfolding Opportunities & Challenges, Vivekanandha Institute of Information and Management Studies, Tiruchengode on 2nd & 3rd March 2017
- “A Study on Wireless Sensor Network”, Sixth National Conference on Intelligent Computing, K.S.Rangasamy college of Arts and Science, Tiruchengode on 15th & 16th September 2017.
- “Study on Wireless Sensor Network”, National Conference on Recent Trends and Advances in the field of Information Technology, Karpagam Academy of Higher Education, Coimbatore on 22nd September 2017.
- “Security Issues in Mobile Ad-Hoc Network”, National Seminar on Computing Platforms for Biological Big Data Analytics(SERB Sponsored), Dr.N.G.P.Arts and Science college, Coimbatore on 5th & 6th February 2020.
- “Data Analysis in Criminal for Improving CIS using Data Mining Techniques”,. International Conference on Data Analytics and Computational Mathematics, Sri Ramakrishna College of Arts & Science for Women, Coimbatore 29th February 2020.
- “Application of VGG in Real Time Image Detection”, International Conference on Digital Information Security And Computing Technologies in Collaboration with Lincoln University, Malaysia, Sankara College of Science and Commerce, Coimbatore, April 08 & 09th 2022.
- “A Hybrid Approach on Asymmetric Algorithms for Data Security”, International Conference on Recent Trends in Multidisciplinary Research and Innovation in association with BRITTS Imperial University College , AVP College of Arts and Science, Tirupur, 13th September 2024.
- “A Study on Cyber Threats and Ethical Hacking Techniques” , International Conference on Computational Intelligence and Communication Technologies in association with Analytics Society of India & ICT Academy, Dr. N.G.P Arts and Science College, 3rd January 2025.
- “ AI For Mental Health Monitoring And Intervention: A Comprehensive Study On Opportunities And Challenges”, International Conference on “Innovations in Intelligent Computing and Biological Sciences, Sri Ramakrishna College of Arts & Science for

Women in collaboration with Asia Pacific University of Technology & Innovation, Malaysia on January 24, 2025.

- “ AI Powered Mental Health Assessment using Speech and Text Analysis” , 3rd International Conference on Computational intelligence and communication Technologies, Dr.N.G.P Arts and Science College in association with ICT Academy & Analytics Society, 4th January 2026.
- “Security and Mitigation Strategies for IoT Systems: A Layered Defence Approach Against DDOS and Spoofing Attacks”, International Conference on Innovations in Computing and Biosciences, Sri Ramakrishna College of Arts and Science for Women in collaboration with Quest University, Malaysia, January 23, 2026.
- “A Hybrid Approach to Enhance Key Exchange : Two Fold Secured Diffie Hellman, RSA and Add-on SHA 256 Algorithms “, Two-day International Conference on Interdisciplinary Advances in Science, Technology, Humanities and Innovation organized by IQAC, APC Mahalaxmi College for women, Thoothukudi in collaboration with ICT Academy, 26 &27 th February 2026.
- “Unsupervised Learning Techniques for Intrusion Detection in Computer Networks A Comparative Study Using the CICIDS2017 Dataset” , 2026 Sixth International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT) ISBN: 979-8-3315-7322-5,2026, IEEE, DOI: 10.1109/ICAECT68478.2026.11426096

Participation in Seminars

- “ Challenges and Strategies in Research” at SNS College of Engineering on 13th February 2013.

Participation in Workshop

- “Advances in mobile and wireless network technologies” , VLB Janakiammal College of Engineering and Technology , Coimbatore on 25th and 26th March 2009.
- “Android Mobile Application Development” at Sri Ramakrishna Engineering College on 27th January 2012.

- “Network Security” at Rathinam College of Arts and Science on 27th and 28th February 2015.
- “Big Data Analytics” at Sri Ramakrishna College of Arts and Science for Women on 6th and 7th March 2015.
- “Android Application on IoT” at Kumaraguru College of Technology on 29th and 30th July 2016.
- “Network Simulation using NS3” at Kumaraguru College of Technology on 23rd and 24th February 2017.
- “Salesforce Trailhead” at PSG Institute of Technology and Applied Research on 15th and 16th June 2017
- “THREE DAYS WORKSHOP ON MACHINE LEARNING WITH SCIKIT LEARN, KERAS AND TENSOR FLOW”, at Sri Ramakrishna Engineering College, Coimbatore from 17th -19th May 2021.
- Nine days National level Workshop on DEVOPS at SRM Institute of Science and Technology, Chennai from 16th June to 24 June 2023.

Participation in Orientation Programme / Short Term Courses

- UGC Sponsored Orientation Course conducted by Bharathiar University during the period 14th October to 10th November 2004.
- UGC Sponsored Refresher Course conducted by Gandhigram Rural University during the period 16th November to 6th December 2005
- 7 Days Online short - Term Training Programme on “Power BI “ organized by School of Computer Science, Kongunadu Arts and Science College, Coimbatore in association with [OXI.AI.ACADEMY](#) from 23.09.25 to 30.09.25

Participation in Faculty Development Programme

- “Data Centre Virtualization Fundamentals” at Sri Krishna College of Technology on 26th and 27th August 2016.
- “Introduction to Cloud Infrastructure and Services” at Sankara College of Science and Commerce on 20th and 21st March 2017.
- “Cloud Infrastructure and Services” at Sri Ramakrishna College of Arts and Science for Women from 7th to 11th August 2017.
- “Introduction to Big Data Analytics” at Avinashilingam Institute for Home Sciences and Higher Education for women from 22.1.2020-24.1.2020
- “Digital Teaching Techniques” at DR.N.G.P Arts and Science College from 10-8-2020 to 15-8-2020.
- “Faculty Development Programme on Cloud Computing” at E & ICT Academy, IIT Kanpur from 7th June to 12th June 2021.
- “Faculty Development Programme on Python” at E & ICT Academy, IIT Kanpur from 14th June to 19th June 2021.
- “Online Faculty Development Programme on Research Methodology and Pedagogy for Tertiary Education” by Internal Quality Assurance Cell and Centre for Faculty Development at Dr. N.G.P Arts and Science College, from 15th June to 21st June 2021.
- “Faculty Development Programme on Advanced Excel and Data Visualization” at E & ICT Academy, IIT Kanpur from 21th June to 26th June 2021.
- NPTEL- AICTE Faculty Development Programme on Programming in Java, MoE, Govt of India from July-Oct 2022.
- Faculty Development Programme on IoT and Drone at E & ICT Academy, IIT Kanpur from 27th Feb to 4th March 2023.
- Faculty Development Programme on Research Tools and Methodologies, Sri Krishna Adithya College of Arts & Science, Kovaipudur, Coimbatore from 07.06.2023 to 13.06.2023

- Faculty Development Programme on Data Science Specialization using Python, Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore from 19.06.2023 to 23.06.2023.
- Faculty Development Programme on Developing Human Potentials in Emerging Technologies in Computer Science, Kongunadu Arts and Science College, Coimbatore, from 04.09.2023 to 16.09.2023.
- Faculty Development Programme on IoT, Enthu Technologies India Pvt Limited, Dr. N.G.P Arts and Science College, Coimbatore on 15.12.2023 to 16.12.2023
- Faculty Development Programme on Next Generation Artificial Intelligence Vishwakarma Institute of Information Technology, from 11.03.2024 to 16.03.2024
- Faculty Development Programme on 7 Days National Level FDP on Python, Star International Foundation for Research and Education, Tiruchengode, from 19.03.2024 to 25.03.2024
- International Faculty Development Programme on Gen-AI and Prompt Engineering Using Microsoft Co-Pilot, organized by BNM Institute of Technology Bangalore (BNMIT) – Karnataka, D.Y. Patil Agriculture and Technical University Talsande – Maharashtra and Marwadi University Rajkot - Gujarat in Collaboration with ExcelR Edtech Pvt. Ltd, Date: 16th Sep to 20th Sep 2024.
- Five Days International Virtual FDP on "Exploring New Frontiers in Teaching Tools, AI and Data Analytics" organized by MEASI Institute of Information Technology, Royapettah, Chennai from 29-07-2024 to 02-08-2024.
- Five Days Online Faculty Development Programme “Evolving Landscape of Data Science - Current Trends & Patterns” organized by Hindusthan College of Arts & Science , Coimbatore from 23.9.24 to 27.9.24.
- One Week Faculty Development Programme on “Microsoft Azure AI Engineer” hosted by Dr. N.G.P Arts and Science College , E & ICT, Feb 03-Feb 07, 2025.
- Five Days Virtual Faculty Development on “Cyber Physical Systems” organized by Dr. M.G.R. Educational and Research Institute, Chennai from 26.05.2025 to 30.05.2025

- NPTEL- AICTE Faculty Development Programme on OBE and Accreditation , MoE, Govt of India from Jul-Oct 2025.
- National Level 2 Days FDP on “Tech - Enabled Teaching for Tomorrow” organized by Brighthawk InfoTech Solutions PVT. LTD from 20th & 21st September 2025 .
- Six Days Online Faculty Development Program on “ Smart Healthcare with AI, IoT & Cybersecurity” organized by the Department of Master of Computer Application, Rathinam Technical Campus, Coimbatore from 01/09/25 to 06/09/2025.
- FDP on “Digital Marketing” organized by Dayananda Sagar University , Bangalore, with ExcelR Edtech Pvt.Ltd from 22.9.25 to 26.9.25.
- 7 Days FDP on “The Gen Z Effect: Innovation, Impact and the Future of Industry” organized by Star International Foundation for Research and Education, Namakkal from 2-10-2025 to 08-10-2025.
- Six Days FDP on “ Foundations of Data Science and its Applications” organized by the Department of Computer Science and Engineering , Guru Nanak Institute of Technology from 27-10-2025 to 01-11-2025.
- NPTEL- AICTE Faculty Development Programme on Cloud Computing, MoE, Govt of India from Jul-Oct 2025.

Participation in Institutions Innovation Council Organized by MHRD

- Participated in the IIC online sessions conducted by IIC of MHRD’s Innovation Cell from 28th April to 22nd May 2020
- Participated and completed Innovation Ambassador Training Conducted by MoE’s Innovation Cell & AICTE, New Delhi.
- Undergone Innovation Ambassador Training conducted by MoE’s Innovation cell & AICTE during the period from 30th June-30th July 2021 in online mode.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

- Chairperson, “International Conference on Computational Intelligence and Biological Science “, Sri Ramakrishna College of Arts and Science college” , October 2023
- Resource Person Guest Lecture on “ How to work on a Project & The Art of Resume Writing” , Angappa College of Arts and Science College, Coimbatore, Feb 2017.
- Resource Person Guest Lecture on “Understanding the Cloud: its child’s play”, Pioneer College of Arts and Science, Coimbatore, Feb 2018.
- Resource Person Webinar on “Monty Python Flying Circus” , PPG College of Arts and Science, Coimbatore, March 13, 2023.
- Resource Person on Faculty Professional Development Programme on OpenAI Tools for Research Writing, Faculty of Computer Science, Dr.N.G.P Arts and Science College, Coimbatore, March 28 2024.

Conference / Seminar / Workshop Organized

- Organized Seminar on “What got you here won’t get you there-then what will?!” by S.Nivrutha, Manager Operation, Payoda Technologies PVT Ltd, Coimbatore.
- Co-Organized workshop on “Hands on workshop on openstack cloud computing & Platform” by Mr.V. Senthil Kumar, Technical Architect, TCS Innovation Labs, Coimbatore.
- Acted as an Organizing Committee Member for National Level Technical Symposium on TECHTRIX-2020, Dr. N.G.P. Arts and Science College, Coimbatore, 03-Feb-2020.
- Acted as an Organizing Committee Member for “National Seminar on Computing Platforms for Biological Big Data Analytics(SERB Sponsered)”, Dr. NGP Arts & Science College, Coimbatore, 5th& 6th February 2020.
- Acted as an Organizing Committee Member for “2nd International Conference on Research Trends in Computing Technology”, Dr. NGP Arts & Science College, Coimbatore, 28th & 29th February 2020..
- Acted as an Organizing Member in “2nd National Virtual Conference on Applications of Deep Learning in Artificial Intelligence for Healthcare(NCDAH-2021)” , Dr.N.G.P Arts & Science College, Coimbatore, 25th March 2021.

- Acted as Organizing committee member in the 3rd International Conference on Computational Intelligence and Communication Technologies in association with ICT Academy & Analytics Society of India , Dr. N.G.P. Arts and Science College
- Worked as an organiser and Successfully conducted IT Skills course Training for the students of Dr. N.G.P, Arts and Science College, Tamil Nadu

Patent Publication

- “IoT and Cloud Computing-based identification of cyberthreats using Machine Learning”, Dr.K.Santhi, July 2022.
- “A Smart Locking System for Vehicles Using IoT and Cloud Technique and Server” Dr.K.Santhi, February 2023.
- “AI BASED HUMANOID ROBOT FOR SURVEILLANCE AND SECURITY”, Dr.K.Santhi, 28 February 2024.
- “AI Based Interactive Digital Kiosk for Agile Project Management” , Dr.K.Santhi, 4 June 2025.

Reviewer in journal

- Acting as a reviewer for the Journal of Emerging Technology and Innovative Research from July 2023 onwards.
- Acting as a reviewer for Advances in Science, Technology and Engineering Systems Journal from December 2023 onwards.
- Acted as a reviewer for the International Conference on Computational Intelligence and Biological Science, Sri Ramakrishna College of Arts and Science for Women, Coimbatore, October 2023.
- Acted as a reviewer for the paper entitled “Enhancing Cyber Security with Deep Learning and Intrusion Detection Systems.” in Journal of Cyber Security in Computer System
- Acted as a reviewer for the paper entitled “Enhancing Cyber Security with Deep Learning and Intrusion Detection Systems.” in Journal of Cyber Security in Computer System

- Acted as a reviewer for the paper entitled “Evaluating the Effectiveness of End-to-End Encryption in Mobile Applications for Secure Data Exchange.” in Journal of Information Security System and Cyber Criminology Research
- Acting as a Reviewer in the International Journal of Innovative Research in Technology
- Acted as a Reviewer in the Asian Journal of Research in Computer Science
- Acted as a Reviewer in the Journal of Engineering Research and Reports
- Acted as a reviewer for the paper entitled “DocSort AI: Document Governance System for Secure Business Records..” in Journal of Hacking Techniques, Digital Crime Prevention and Computer Virology

Member in BoS

- UG- Board of Studies, NGM College, Pollachi, 2010-2011.
- UG-Acting as University Nominee for Board of Studies,, NGM College, Pollachi, 2022-25.
- Acting as an University nominee for Academic Council for NGM College, Pollachi, AY 2022-25.
- Acting as an subject expert for Board of Studies, Department of Data Science & Analytics, Hindustan College of Arts and Science , Coimbatore , AY 23-26.

Book Publication

- “ Mobile Computing Technology and It’s Application” , Scientific International Publishing House, ISBN NO: 978-93-5625-650-7, Ist Edition, 2025.
- “Modern Full Stack Web Development with React and MongoDB”, Priyam Publication, ISBN NO: 978-81-986245-0-5, 2025
- “ 100 Python Programs: A Hands-On Guide with Data Science: Data Science” Kindle Edition,

Editorial Board Member

1. Chief Editor of the Book Chapter “Title: RECENT TRENDS IN THE FIELD OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY”, Charulatha Publications, ISBN NO: 978-93-5577-685-3, Dec-2023.
2. Editor in MAT Journals “Journal of Security in Computer Networks and Distributed Systems”, June -2024
3. Acting as Editorial Board Member in the Journal of Academic Trends & Innovative Research

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
International Association of Engineers	Life-time	Dec 2016 onwards

Computer Society of India	1 Year	2012 – 2013
Teaching and Education Research Association	Life-Time	March 2020 Onwards
Green ThinkerZ Society	Life Time	July 2023 onwards
I2OR(International Institute of Organized Research	Life Time	July 2023 Onwards

Staff Recognition

1. Recognized as a Mentor for the NPTEL online certification course Database Management System during the period of Jan – Apr 2025

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
EMC Academic Associate	Sri Ramakrishna College of Arts and Science for Women, Coimbatore	2018
NPTEL Discipline Star	NPTEL Swayam	Feb 1, 2026

Additional Qualifications