

Name: Dr C.Kumuthini

Designation: Professor

Department: Computer Applications

Qualification: M.C.A., M. Phil, Ph.D.,

Experience: Teaching: **18 Years**

Area of Specialization(s): Networking

Email ID: kumuthini.vasanth@gmail.com

kumuthini3000@gmail.com



Ph.No:9176642435

Address for Communication: No 62, 6th cross street, Chitra Nagar, Amman Kovil Bus Stop, saravanampatti, Coimbatore -35.

Working Experience

- Working as a Associate Professor at Dr.N.G.P Arts & Science College, Coimbatore from June 2010 to Till Now
- Worked as a Assistant Professor in Sri Vidhya Mandir Arts & Science college, Uthanagari, Dharmapuri from June 2005 to December 2007
- Worked as a Guest Lecturer in Govt Arts College, Salem from August 2004 to April 2005

Teaching Interests

Programming in C, C++, Java, PHP, .NET Programming, Computer networks, RDBMS
Cloud computing, Internet of Things and Mobile Computing.

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D	Computer Science	Bharathiyar University	2017
M. Phil.	Computer Science	Periyar University	2007
M.C.A	Computer Applications	Vysya college	2004
BCA	Computer Applications	Muthu Arts and Science College	2001

Book Publication

S.No	TITLE OF THE BOOK	NAME OF THE PUBLISHERS	ISBN No & YEAR OF PUBLICATION
1	PROGRAMMING IN C++	Charulatha Publications	ISBN No.: 978-93-5577-151-3 Year: June 2022
2	C#.NET PROGRAMMING	Charulatha Publications	ISBN No: 978-93-91405-75-5 Year: August 2021
3	FUNDAMENTALS OF COMPUTER PROGRAMMING	Charulatha Publications	ISBN No.: 978-93-5577-842-0 Year: FEB 2025

Book Chapter

1. Analysis of Crime against Women data using machine learning and statistical Methods”, Handbook of Revolutionizing Data Science and Analytics for Industry Transformation, ISBN 9798369378687, IGI Publications “,Copyright ©2025.(Scopus)
2. REVOLUTIONIZING UAV TECHNOLOGY: THE ROLE OF REINFORCEMENT FEDERATED LEARNING IN ARTIFICIAL INTELLIGENCE,” Handbook of AI and its Applications”, Innovation Online Training Academy@ 2024, ISBN NO: 978-93-93622-75-4.
3. Cloud based data analytics for Healthcare 5.0,” Handbook of Pioneering smart healthcare 5.0 with IoT, federal learning and cloud security”, IGI Publications “,ISBN 9798369326404 ,Copyright ©2024. (Scopus)
4. Analysis of Fake Reviews and User Access Deinal, “Handbook of research in Big data Analytics, Artificial intelligence and Machine learning”, Copyright © 2023, AETS Global.
5. A SECURITY BASED GREEDY METHOD FOR VANETS IN CITY ENVIRONMENT USING SCORE POINT TECHNIQUE”, Handbook of business Data

Communications and Networking, ISBN 978-3-4666-5293-4, IGI Global Scientific Publishing, Copyright © 2015. (Scopus)

Patient

1. Intelligent UV sensors device published on 01.12.2023
2. IoT Based Monitoring system for inland vessels using sensor networks published on 07.07.2023.

Journal Reviewer

1. Reviewer of IGI Global Scientific Publishing.
2. Reviewer of Elsevier journal - Measurement Sensor.
3. Reviewer of international conference- Christ university, pune.
4. Reviewer of international conference- marwadi university, Gujarat.

Resource Person

1. Resource person , Guest Lecture for the two day international seminar on Data Science and AI for Cyber security : Threat Detection and prevention , Department of Computer Science and Applications, Sri Vidhya mandir Arts and Science & RV college of Engineering, Bengaluru on 3rd and 4th Jan 2025.
2. Resource person, Guest Lecture for the one day seminar on latest innovations in internet of things, Department of computer Technology ,Karpagam Academy of Higher Education held on July 03,2024.

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certification	Exploring Internet of things with Cisco Packet tracer	CISCO network Academy	2025

Certification	PHP MYSQL Training course	Infosys Bring Board	2024
Certification	Java Fundamentals concepts	Infosys Bring Board	2024
Certification	Java Programming	Coursera	2023
Certification	C# Programming	Infosys Bring Board	2023
Certification	Networking and web technology	Infosys Bring Board	2022
Certification	Google Analytics for Beginners	Google Analytics Academy	2022
Certification	Introduction to Digital Marketing	Great learning Academy	2022
Certification	<i>Wipro certified faculty program</i>	<i>Wipro- Talent Next</i>	<i>2020</i>
Certification	Introduction to R programming	Udemy	2021
Certification	Cloud Computing	NPTEL	2020
Certification	Python programming	Coursera	2020
Certification	Digital teaching techniques	ICT Academy	2020
Online Certification	R Tool	IIT Bombay	2020
Online	BOSS Linux	IIT Bombay	2020

Certification			
Online Certification	Java	IIT Bombay	2020
Certification	Java Script Essentials	Udemy	2018
Certification	C Programming	NPTEL	2017
Diploma	E-Commerce	CRG Computer Solutions	2000
Certification	VB, Linux & ASP	SRM Radiant Infotech Limited	2003

Responsibilities

1. Assisted students in recruitment and outreach activities.
1. Co-ordinator in Parents Teachers Association and Student Induction Programme.
2. Member in Curriculum Development Cell(CDC), Board of Studies, Academic Audit committee .College Committee, ICON club, Center for Equal Opportunity and Rotaract Club

External BOS member

Member of Board of Studies in Computer Science and Applications (Undergraduate and Postgraduate) for Sri Vidya Mandir Arts & Science College (Autonomous), Uthangarai, Tamil Nadu.

Research Guidance

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

Research Publications (Indexed)

1. Dr C.Kumuthini,” Predicting User Behavior Models Using M-Commerce Methods Decorated with Weighted Scoring and Mining Techniques”, IEEE explorer 2025, Issue1-9, DoI:10.1109/ICCDA64887.2024.10867303.(**indexed in scoup-us**)
2. Dr C.Kumuthini,” Fault Detection System Using Machine Learning in IoT Based Automobile Industries”,IEEE explorer,2025, DoI:10.1109/ICCDA64887 .2024.10867303 **indexed in scoup-us**)
3. Dr C.Kumuthini,” WEB USAGE MINING AND ITS TECHNIQUES – A RESEARCH TRAVELOGUE”,IAPQR Transactions,2024,Volume 49,Issue 24,Page No 0970-0102, IAPQR Transactions.(**UGC CARE**)
4. Dr C.Kumuthini,” Securing Smart Water Irrigation Systems: The Role of Blockchain in IoT Integration”,International Journal of Research Publication and ReviewsInternational, 2024, Volume 5, Issue 8,Page No4241-4247,ISSN 2582-7421.
5. Dr C.Kumuthini,” A Deep Learning Model For Efficient Intrusion Detection In Wireless Sensor Networks”, Computer Integrated Manufacturing Systems,2024, Volume 30 Issue 8,Page No,64-80 ISSN 1006-5911. (**indexed in scoup-us**)
6. Dr C.Kumuthini ,“Deep Insight: Enhancing Internet of Things (IoT) Security with Intrusive Deduction Systems (IDS)”, Journal of Cryptography and Network Security, Design and Codes,, e-ISSN: 3048-6386, Vol. 1, Issue 3 (September – December, 2024) pp: (13-20)
7. Dr C.Kumuthini, “Enhancing Cloud-Based IoT Security with Lightweight Cryptographic Techniques”, Journal of Cyber Security in Computer System, e-ISSN: 2583-4703, Vol. 3, Issue 3 (September – December, 2024) pp: (38-49)
8. Dr C.Kumuthini, A Comprehensive Study on Security in Edge-as-a-Service”, Journal of Cyber Security, Privacy Issues and Challenges, e-ISSN: 2583-7656, Vol. 3, Issue 3 (September – December, 2024) pp: (56-62)
9. Dr C.Kumuthini, ”Streamlining Text Data Preparation and Label Consistency with LexiCleanse and EmoLabel Mapper in prompt-Based sentiment and Emotion Detection”, “International Journal of Intelligent Systems and Applications in Engineering (IJISAE)”, ISSN Number: 2147-6799, Volume 12 No 4 (2024).(b**indexed in scoup-us**).
10. Dr C.Kumuthini,” Energy Efficient Computing Strategies for Green Cloud”, Journal of Propulsion Technolog, Vol. 44 No. 6 (2023), ISSN: 1001-4055.(b**indexed in scopus**)

11. Dr C.Kumuthini, "Detecting Ocular Tb With Modified Co-Occurrence Matrix", Tuijin Jishu/Journal of Propulsion Technology, Vol. 44 No. 4 (2023), I ISSN: 1001-4055. **(indexed in scopus)**
12. Dr C.Kumuthini, 'Ant with Artificial Bee Colony Techniques in Vehicular Ad-hoc Networks", 2023, International Journal of Data Informatics and Intelligent computing (IJDIIIC), Vol. 2, No. 3, September 2023, pp. 21~28
13. Dr C.Kumuthini, "A Novel Energy Efficient Cluster Based Routing in Wireless Sensor Network", 2023, INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY, ISSN Print: 0974-6846, 16(15):1168-1177. **(Indexed in Web of Science)**
14. Dr C.Kumuthini, "A COMPARITIVE ANALYSIS OF CLOUD BASED WITH TRADITIONAL HOSTED SYSTEM", International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:05/May-2023, e-ISSN: 2582-5208
15. Dr C.Kumuthini, "A Survey of Content based Image Retrieval System in Detecting Ocular Tuberculosis", 2022, International Journal of Engineering Research & Technology (IJERT), Volume 10, Issue 05, ISSN: 2278-0181, page No:23-26.
16. Dr C.Kumuthini, "Energy Consumption Minimization in Cognitive Radio Mobile Ad-Hoc Networks using Enriched Ad-hoc On-demand Distance Vector Protocol", 2022, IEEE EXPLORE, 15 April 2022, DOI: 10.1109/ICACTA54488.2022.9752899 **(indexed in Scopus)**
17. Dr C.Kumuthini, "Geographical Routing Protocols in Wireless Sensor Network", International Journal of Research in Engineering and Science (IJRES)", Volume 10 Issue 3 || 2022 || PP. 77-82, ISSN (Online): 2320-9364.
18. Dr.C.Kumuthini, "QFNSS BASED SCHEDULING ALGORITHM IN MOBILE AD-HOC NETWORKS", Journal of Emerging Technologies and Innovative Research (JETIR)", Volume 8, Issue 6, Page No: a702-a707, Year June-2021, ISSN Number: 2349-5162 UGC Journal No :63975 (UGC Journal).
19. Dr.C.Kumuthini, "Applications of IoT in Agriculture", International Journal of Scientific Research in Computer Science, Engineering and Information Technology", Volume 7,

Issue 2 Page Number : 105-107, March-April-2021, ISSN : 2456-3307 UGC Journal No : 4718 (UGC Journal).

20. Dr.C.Kumuthini,” Integration of WiFi With WiMAX Technology in Vehicular Ad-hoc Networks”, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 7, Issue 2 Page Number : 35-39 March-April-2021, ISSN:2456-3307 UGC JournalNo:64718)
21. Dr.C.Kumuthini,” 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, Volume 7, Issue 1, January-February 2021, DOI : 10.32628/CSEIT206670 ISSN:2456-3307 (UGC Journal)
22. Dr.C.Kumuthini,” Comparative Analysis of FANET Routing protocols: A Survey”, International journal of scientific research in computer science applications and management studies, Volume 8, issue 2 March 2019, 2319-1953
23. Dr.C.Kumuthini, “HIPI: A REVIEW ON HADOOP MAP REDUCE FRAMEWORK USING IMAGE PROCESSING IN BIGDATA”, International journal of computer science and engineering, Vol.06 , Issue.08 , pp.34-39, Oct-2018
24. Dr.C.Kumuthini, “A REVIEW OF MAC ADDRESS FILTERING AND SPOOFING IN WINDOWS OPERATING SYSTEM”, International Educational and Research Journal, Vo. 3, Issues 5, May 2017.
25. Dr.C.Kumuthini, “CONCEPTUAL SEARCH ENGINE USING NON-NEGATIVE MATRIX FACTORIZATION AND BRUSH STRUCTURE MODE”, Asian Journal of Research in Social Sciences and Humanities, Vol. 6, Issue 6 , Special Issue June 2016, pp. 114-121.(**indexed in Scopus- Annexure II**)
26. Dr.C.Kumuthini, “EVOLVING INTUITIONISTIC FUZZY PRIORITY CLASSIFIER WITH BIO-INSPIRATION BASED SCHEDULING SCHEME FOR WIMAX IN VEHICULAR AD-HOC NETWORKS”, Wireless Networks -**springer**, Volume 21, Issue 4, May 2015, ISSN 1022-0038.(**indexed in SCI-Annexure-I**)
27. Dr.C.Kumuthini, “AN ACCESS-POINT BASED ROUTING ALGORITHM(APBR) USING GREEDY METHOD TOWARDS IMPROVING QUALITY OF SERVICES

FOR VANET”, International journal of Applied Engineering Research, Volume 10, Issue 3, 2015, ISSN 0973-4562.(**indexed in Scopus-Annexure-II**)

28. Dr.C.Kumuthini, “A SECURITY BASED GREEDY METHOD (SGMA) FOR VANETS IN CITY ENVIRONMENT USING SCORE POINT TECHNIQUE”, International Journal of business Data Communications and Networking, Volume 10, Issue 3, September 2014, ISSN 1548-0631 pp No. 1-16.(**indexed in scopus and SCI -Annexure-II**)
29. Dr.C.Kumuthini,“QOS FACTORS BASED NODE SELECTION AND SCHEDULING ALGORITHM FOR IMPROVING SYSTEM PERFORMANCE IN MOBILE ADHOC NETWORK”,International Journal of Computer Technology and Applications vol.5 ,Issue 6,December 2014,ISSN:2229-6093 (UGC Journal)
30. Dr.C.Kumuthini,” A SURVEY on various scheduling techniques based on QoS factors in MANET”, International Journal of Scientific research ,Vol. 3, Issue. 11, November 2014 ,ISSN:2277-8179.
31. Dr.C.Kumuthini “Analysis of elliptic curve integrated encryption system in VANET”, International Journal of Emerging Technologies in Computational and Applied Sciences” ,Vol.1 Special issue 7,2014 ,ISSN: 2279-0055 Impact factor 1.234.
32. Dr.C.Kumuthini, “ANALYSIS OF VARIOUS POSITION BASED ROUTING PROTOCOLS AND GREEDY METHOD IN VANET”, International Journal of Emerging Technologies in Computational and Applied Sciences Vol. 1 Special issue 7,2014, ISSN: 2279-0055 Impact factor 1.234.
33. Dr.C.Kumuthini, “A SURVEY OF VARIOUS REPUTABLE UNICASTING PROTOCOL AND NEW ENERGY EEDANT IN MANET”, International Journal of Computer Technology and Applications , Vol.5,No.3, JUNE 2014 ,ISSN 2229-6093.
34. Dr.C.Kumuthini, “A SURVEY OF REPUTABLE AND DISSEMINATION PROTOCOL IN VANET”, International Journal of Computer Applications, Vol. 72, June 2013, ISSN:12648-9091, Impact factor 0.835.(**indexed in scopus**).
35. Dr.C.Kumuthini, “NETWORK DELINEATE SAFEGUARD FOR SURPLUS CONTROL“ International Journal of Scientific and Research Publications, Vol. 3, Issue .3, March 2013, ISSN 2250-3153.

PRESENTATIONS IN CONFERENCE

1. Carbon Emission monitoring in home sensor networks using green-IOT based Event Detection in the international conference on computing intelligence and communication technology at Dr.N.G.P Arts and Science College on 3rd jan 2025.
2. Fault Detection System Using Machine Learning in IoT Based Automobile Industries in the 2nd International Conference on Computing and Data Analytics (ICCD), College of Computing and Information Sciences of University of Technology and Applied Sciences (UTAS), Sultanate of Oman, IJCS on Nov 2024.
3. Predicting User Behavior Models Using M-Commerce Methods Decorated with Weighted Scoring and Mining Techniques Industries in the 2nd International Conference on Computing and Data Analytics (ICCD), College of Computing and Information Sciences of University of Technology and Applied Sciences (UTAS), Sultanate of Oman, IJCS on Nov 2024.
4. NEP Applications opportunities and challenges in the national seminar organized by IQAC sponsored by ICSSR on 4th and 5th July 2024.
5. Analysis of Machine learning Algorithms to detect wormhole attack in MANET in the international conference held on 28th aug 2024 , Dr. RV Arts and Science College, Coimbatore.
6. Artificial Intelligence with Internet of things: Future Directions in the 3rd international conference held on 13,09,2024, United College of Arts and science, Coimbatore.
7. Secure smart bin IoT –Enabled Monitoring System in national seminar on IOT cyber security:challenges and solutions for social and real-life applications on January 5,2024 organized by department of computer science with cognitive systems, Dr.N.G.P Arts and Science College.
8. A study on green cloud computing strategies in the international conference on computational Intelligence and Communication Technologies organized by faculty of computer science on January 4,2024, Dr.N.G.P Arts and Science College.
9. Smart sensing for precision agriculture through IoT in the international conference on Recent Trends in Computer Science and Data Analytics held on February 02,2024, KPR College of Arts and Science.
10. A survey of Blockchain Technologies in Health Care in the international conference on Recent Trends in Computer Science and Data Analytics held on February 02,2024, KPR College of Arts and Science.

11. The Impact of AI on Human Society in international conference on Computational intelligence and Biological sciences organized by Sri Ramakrishna college of Arts and Science for women on October 5,2023.
12. COMPUTING STRATEGIES FOR GREEN CLOUD in national conference on cyber security and Digital Forensics for society quest organized by PSGR Krishnammal College for Women Government arts and Science College, Coimbatore on 19th and 20th Oct 2022.
13. IMAGE RETRIEVAL WITH GRAY CO-OCCURRENCE MATRIX in national conference on research quest organized by Government arts and Science College, Kadayanallur on 23rd and 24th april 2022.
14. IOT-ENABLED GARBAGE BIN in international conference on digital information security and computing technologies in Collaboration with Lincoln university , Malaysia organized by sankara college of science and commerce , Coimbatore on 12.4.22
15. A SURVEY OF CBIR SYSTEM IN DETECTING OCULAR TB in national conference on innovation in computing and communication technology organized by Kongu Nadu college of engineering and technology, Trichy on 8.4.22
16. ENERGY CONSUMPTION MINIMIZATION IN COGNITIVE RADIO MOBILE AD-HOC NETWORKS USING ENRICHED AD-HOC ON-DEMAND DISTANCE VECTOR PROTOCOL in IEEE International Conference on Advanced Computing Technologies and Applications(ICTACT' 22) organized by Sri Krishna College of engineering and technology held during march 4 & 5 ,2022.
17. IOT ENABLED SOIL MOISTURE MONITORING SYSTEM FOR AGRICULTURE in Two days International Conference on Computing and Intelligent System (ICCIS'21) jointly organized by the Sri krishna Adithya College of Arts and Science held during 25th to 26th August, 2021.
18. ARTIFICIAL INTELLIGENCE AND ROBOTICS, two day international conference on machine learning and neural information systems organized by Department of computer science and applications , sri vidhya mandir Arts and Science College, Uthangarai on 18th and 19th march 2021.
19. SECURITY ISSUES IN INTERNET OF THINGS : A SURVEY" , International Conference on Advances in IoT, High Performance and Edge Computing (ICIHPE 2020), ICT Academy.

20. IMPROVING DATABASE SECURITY IN CLOUD COMPUTING, second international conference on research trends in computing technologies, 28-29 feb 2020 at Dr.N.G.P arts and Science college.
21. VEHICULAR AD-HOC NETWORKS IN BLOCK CHAIN CLOUD COMPUTING, national conference on emerging research trends in computer science and technology, SNMV college of Arts and Science and Institute of Management,29-jan-2020.
22. “RECENT TRENDS AND ADVANCES IN THE FIELD OF INFORMATION Technology”, Karpagam Academy of Higher Education, Coimbatore, 27-Sep-2019.
23. VIRTUAL REALITY AND ITS CHALLENGES, National conference on “Recent Trends and Advamces in the field of information Technology” at karpagam academy of higher education on 28-sep-2018.
24. “Routing Protocols: Flying Ad-hoc Networks, International Conference on Engineering and Technology, Rathinam Technical Campus, 30-Aug-2018 to 31-Aug-2018.
25. A COMPARITIVE ANALYSIS OF LI-FI AND WI-FI, international conference on Research Trends in computing Technologies, Dr.N.G.P Arts and Science College, 9-Aug-18 to 10-Aug-18.
26. A STUDY AND ANALYSIS OF ARTIFICIAL INTELLIGENCE IN VARIOUS APPLICATIONS, international conference on Research Trends in computing Technologies, Dr.N.G.P Arts and Science College, 9-Aug-2018 to 10–Aug- 2018.
27. A REVIEW ON HADOOP MAPREDUCE FRAMEWORK USING IMAGE PROCESSING IN BIGDATA, international conference on Research Trends in computing Technologies, Dr.N.G.P Arts and Science College, 9-Aug-2018 to 10–Aug- 2018.
28. VIRTUAL REALITY AND ITS CHALLENGES, international conference on Research Trends in computing Technologies, Dr.N.G.P arts and Science College, 9-Aug-2018 to 10 – Aug- 2018.
29. WI-FI IN AD-HOC NETWORKS: ASTUDY, National Conference on Emerging Trends in computing and communication , karpagam University, 17 – Feb- 2017.
30. “ANALYSIS OF VARIOUS SECURITY CHALLENGES IN VEHICULAR ADHOC NETWORKS”, National Conference, Rathinam Academy of higher education Science, 22 – Sep-2017.

31. "ANALYSIS OF VARIOUS SECURITY CHALLENGES IN VEHICULAR ADHOC NETWORKS", National Conference, Karpagam Academy of higher education Science, 22 – Sep-2017.
32. "A VEHICULAR AD-HOC NETWORKS IN WIMAX TECHNOLOGY". National Conference on "Emerging Trends in Big Data Technologies and Research Issues", Dr. N.G.P Arts and Science College ,24-Feb-2017.
33. "WI-FI IN AD-HOC NETWORKS, National Conference at Karpagam University, 17 - Feb- 2017.
34. A VARIOUS DOWNLINK SCHEDULING ALGORITHMS IN WIMA, National Conference , PSGR Krishnammal College for Women, 5 – Feb-2016.
35. KEY MANAGEMENT PROTOCOLS AND OPTIMAL KEY MANAGEMENT IN WIRELESS NETWORKS, National Conference , Sri Ramakrishna Mission Vidyalaya College of Arts and Science , 22 – Sep- 2015.
36. COMPARITIVE ANALYSIS OF WIFI WITH WIMAX TECHNOLOGY, National Conference , Arignar Anna College , 07 – Feb- 2015.
37. A SURVEY OF SECURITY ISSUES IN MANET, National Conference, Sri Ramakrishna Mission vidhyalya college of Arts and Science, 23 – Sep- 2014.
38. PERFORMANCE COMPARISON OF GPSR, GSR, GYAR ROUTING STRATEGY FOR VEHICULAR ADHOC NETWORK, international Conference, Periyar University College of Arts and Science , 12- Sep- 2014.
39. ANALYSIS OF SECURITY ATTACK IN VANET. National Conference , RVS College of Arts & Science , 27 – Feb- 2014
40. ANALYSIS OF ELLIPTIC CURVE INTEGRATED ENCRYPTION SYSTEM IN VANET. National Conference, Dr.N.G.P Arts College of Arts and Science, 21- Feb-2014.
41. A STUDY OF ACKNOWLEDGEMENT BASED BROADCAST PROTOCOL IN VANET, National Conference, RVS College of Arts & Science,15 –Feb- 2013.
42. VULNERABILITY CHECKING OF WEB SERVICES USING SQL INJECTION. National Conference, Dr.N.G.P Arts and Science college , 3 -Feb- 2012.
43. FORTPOLIO IN HIGHER EDUCATION ,State level conference, Dr.N.G.P college of Arts and Science college , 9-Dec-2011 to 10- Dec- 2011.
44. GATT AND RELAVANCE OF IT TO INDIA. National Conference, Dr.N.G.P college of Arts and Science college, 20 –Jun-2005 to 22 -Jun- 2005.

Participation in Conference

- Advances in sensor, Energy and hybrid vehicles, international Conference-ICT Academy, 14-18 oct 2020.
- Signals,Communication and embedded systems, international Conference -ICT academy, 14-18 oct 2020.
- Emerging Education Models For 21st Century Learner, , Dr.N.G.P.Arts and Science College, Coimbatore , 1-Aug-2015.
- Recent Trends in Computer Technologies, , Dr.N.G.P.Arts and Science College, Coimbatore , 30th & 31th- Jan-2014.
- Multimedia Signal Processing and Networking, , Dr.N.G.P.Institute of Technology, Coimbatore , 30-Oct-2010
- Issues in Higher Education, , Dr.N.G.P.Arts and Science College, Coimbatore , 29-Oct-2010

Participation in Seminars

- Data Science and AI for cyber Security: Threat Detection and Prevention , Sri Vidhya mandir arts and science & RV college of Engineering, Bengaluru on 3rd and 4th Jan 2025.
- IEEE Explore, Dr.N.G.P Arts and Science College on 17.10.2023.
- 5G Networks and security concerns , SMIT (Sikkim Manipal university on 31.02.2022
- Role of Green IOT and its applications, PSG Arts and Science College on 29.03.2021.
- RESEARCH IN COMPUTERS : WHY,WHAY AND HOW ?, Bharathiar University , 10-Feb- 2012.

Participation in Workshop

1. Attended nine days national level workshop on DEVOPS held from 16 june 2023 to 24 june 2023 organized by the faculty of sciences and humanities, Department of Computer Science and Applications , SRM Institute of Science and Technology, Chennai.
2. Attended Five days online workshop on Zero coding: Data Analytics & Machine Learning for IoT Automation” conducted from 21-06-2021 to 25-06-21 organized by VIT Chennai.
3. Participated in the National Workshop on 'How to write a research paper?' on 22/6/2021 organized by School of Social Sciences and Languages(SSL), VIT Chennai.
4. R programming, Spoken Tutorial Project, IIT Bombay, May 11th 2020.
5. Boss-Linux-Ubuntu operating system, Spoken tutorial IIT,15th april 2020.
6. BOSS Linux Training, Spoken Tutorial Project, IIT Bombay, April 22nd 2020.
7. To promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs, MHRD's Innovation Cell, New Delhi, om 28th April to 22nd May 2020.
8. MOBILE APLICATION DEVELOPMENT, Dr.N.G.P Arts and Science College, 18-Dec-2017 to 19-Dec-2017.
9. DATA VIZUALIZATION WITH TABLEAU, Dr.N.G.P Arts and Science College, 07-Aug-2017 to 08-Aug-2017.
10. BIG DATA ANALYTICS USING WEKA, Karpagam University , 3-Mar-2015.
11. SIMULATION AND EMULATION OF SELF ORGANIZED NETWORKS, Kongu Engineering College ,Perundurai , 11-Sep-2014 to 13-Sep-2014.
12. Ns2, Kongu Engineering College, Perundurai, 17-Jul-2014 to 19-Jul-2014.
13. ANDROID APPLICATION DEVELOPER, Dr.N.G.P Arts and Science College,25-Sep-2013
14. RESEARCH PARADIGMS IN NETWORKING AND COMMUNICATIONS, SVS Institute of Computer Applications, 30-Mar-2012 to 31-Mar- 2012.
15. TEACHING SOFTWARE TESTING TECHNIQUES , Prakat solutions at Bharathiar University, 4-Jan-2011 to 7-Jan-2011.

Participation in Orientation Programme / Short Term Courses

1. DIGITAL TEACHING TECHNIQUES, organized by ICT Academy from 10 Aug 2020 to 15 Aug 2020.

2. Software Testing Techniques(Prakat Solutions),Bharathiar University, 4-jan-2011 to 7-jan-2011.

Participation in Faculty Development Programme

1. Participated in seven day international FDP on “ Implications of Emerging Computing technologies” organized by Hindustan College of Arts and Science from July 29 to August 04,2024.
2. Participated in five day 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.
3. Participated in five day virtual FDP on “ Advances of Computing Technology” organized by Amity school of engineering and technology , Amity University , Uttar Pradesh, Noida from may 13, 2024 to may 17 2024.
4. Participated in five day virtual FDP on “AI insights :predictive power of ML,DL, & NLP” organized by sphoorthy engineering college held from 14.05.2024 to 18.05.2024.
5. Participated in five day virtual FDP on “emerging research trends in computer science” organized by the department of computer science, KG college of Arts and Science from 08.01.2024 to 12.01.2024.
6. Participated in Seven day National Level FDP on "Future Prospects of Innovations in Computational Intelligence" on “Digital Transformation of Technology” organized by the Department of Computer Studies Hindusthan College of Arts & Science,Coimbatore from Sep 20 to Sep 27 , 2023
7. Participated in one week faculty development programme on the topic “upskill your resources” (under UGC Grant) organized by the department of business Administration, ayya Nadar Ammal College, Sivakasi from 07.07.2023 to 13.07.2023.
8. Participated in Five day National Level FDP on Enpowering Education for Innovation – a NEP Perspective” during 30th june to 4th july, 2023 organized by center for professional development , Dr.N.G.P Arts and Science College,Coimbatore.
9. Participated in one week National Level FDP on cloud infrastructure organized by Brainovision Solutions India Pvt Ltd in collaboration with All India Council for Technical Eductaion(AICTE) from 21st to 25th august 2023.

10. Participated in Five day National Level FDP Organized by sri G.V.G Visalakshi college for Women from 14.11.2022 to 18.11.2022.
11. Participated in Five day IQAC Series 2022 organized by sankara college of science and commerce from 24th January 2022-29th January 2022.
12. Participated in seven day online faculty development programme on Research methodology and pedagogy for Tertiary Education during june 15 – 21, 2021 organized by IQAC , Dr.N.G.P Arts and science College, Coimbatore.
13. Challenges and Opportunities in Startup and Innovation, Mahendra Institute of Technology on 14th July 2020.
14. Python3.4.3, Spoken Tutorial Project, IIT Bombay from 20th to 25th April, 2020.
15. Java, Spoken Tutorial Project, IIT Bombay from 05th April to 13th April ,2020.
16. Boss-Linux-Ubuntu operating system, Spoken tutorial IIT,15th april 2020.
17. Participated in seven day faculty development programme on NAAC Revised Accreditation framework and OBE Assessment Methodology organized by faculty development cell and IQAC, Dr.N.G.P Arts and science college, may27-june 02,2019.
18. QUALITY MEASURES IN HIGHER EDUCATION, Dr.N.G.P Arts and Science College, 3-dec-2018 to 09-dec-2018.
19. PEDAGOGY FOR ONLINE AND BLENDED TEACHNING-LEARNING PROCESS, Indian Institute of Technology, Bombay, 14-sep-2017 to 12-oct-2017(online).
20. FOUNDATION PROGRAM IN ICT FOR EDUCATION, Indian Institute of Technology, Bombay, 03-Aug-2017 to 07-sep-2017(online).

Chair person in Seminar

- Acted as a session chair for ICSSR Sponsored National Seminar on IoT Cyber Security: Challenges and Solutions for social and Real life applications, organized by department of Computer Science with cognitive systems on 05.01.2024.
- Acted as a chair person in the national seminar on “ The future artificial intelligence and machine learning tools and its applications for rural healthcare: a paradigm” held on 14th feb 2020 organized by Dr.N.G..P Arts and Science College, Coimbatore.

Membership in Professional Bodies

Name of the Professional Body	Duration
IAENG	Life-time
CSTA	Annual
Internet Society	Annual