

Dr.K.Mohaideen Pitchai B.E., M.E., Ph.D.**Residential Address**

Plot No.: 167, 2nd Street,
Darling Nagar, Palayamkottai - 627011
Tirunelveli District, Tamil Nadu

Mail Address

kmopi786@yahoo.com
mohaideen1981@gmail.com
kmpcse@nec.edu.in

Contact

+91 9486630723

Date of Birth	30.07.1981	Age	41	Sex & Marital Status	Male & Married
Education					
2015	Doctor of Philosophy <i>Information and Communication Engineering, Anna University, Chennai.</i>				
2008	Master of Engineering <i>Computer Science and Engineering Anna University, Chennai (First Class with Distinction)</i>				
2002	Bachelor of Engineering <i>Computer Science and Engineering Madurai Kamaraj University, Madurai (First Class with Distinction)</i>				
Experience : Teaching-19 years, R&D-12 years					
National Engineering College, Kovilpatti, Tamilnadu					
04/2022 – Till Date		Professor			
06/2016 – 03/2022		Associate Professor(Sr.Grade)			
06/2013 – 05/2016		Associate Professor			
11/2010 – 05/2013		Assistant Professor(Sr.Grade)			
06/2008 – 10/2010		Senior Lecturer			
11/2002 – 05/2008		Lecturer			

Funded Projects : Principal Investigator

1. DRDO, New Delhi sponsored funded project entitled on “Development and Analysis of Finite Automata based Public Key Cryptographic Schemes” with a total cost of Rs.9,78,835/- (December 2020 – June 2022)
2. Institution of Engineers (IE), Kolkatta sponsored funded project entitled on “Design and Development of an Intelligent Structural Health Monitoring System for a Simply Supported Bridge using Wireless Sensor Network” with a total cost of Rs.1,50,000/- (October 2012–September 2014)

Funded Projects: Co-Investigator

1. DRDO, New Delhi sponsored funded project entitled on “Studies in Cellular Automata with its Applications on Cryptography” with a total cost of Rs.12,19,500/- (September 2016-August 2018)
2. AICTE, New Delhi sponsored funded project entitled on “Intrusion Prevention System Development for Ad hoc Network Security” with a total cost of Rs.9,70,000/- (January 2012 – December 2013)
3. DRDO, New Delhi sponsored funded project entitled on “Development of an Intrusion Detection System for Mobile Ad-hoc Networks using Game Theoretical Models” with a total cost of Rs.27,19,000/- (June 2011–May 2013)

Student Funded Projects Guided

1. NewGen IEDC, National Engineering College sponsored product entitled “Smart Baby Cradle using IoT” with a total cost of Rs.2,50,000/- (2022)
2. Institution of Engineers (IE), Kolkatta sponsored funded project entitled on “Smart Staircase Cleaning and Mopping Robot” with a total cost of Rs.30,000/- (2022)
3. TNSCST, Chennai sponsored funded project entitled on “Geo-tagging Augmented Intelligent Accident Rescue Management System” with a total cost of Rs.7,500/- (2020)
4. Institution of Engineers (IE), Kolkatta sponsored funded project entitled on “Intelligent LPG Gas Stove based on Internet of Things (IoT)” with a total cost of Rs.20,000/-. (2020)
5. NewGen IEDC, National Engineering College sponsored product entitled “Automatic Floor Cleaning and Mopping Robot” with a total cost of Rs.2,50,000/- (2019)
6. Institution of Engineers (IE), Kolkatta sponsored funded project entitled on “Intelligent Early Forest Fire Detection System with Self Energy Harvesting Wireless Sensor Networks” with a total cost of Rs.20,000/-. (2018)
7. Tamil Nadu State Government Sponsored funded project entitled on “Android Application for Blood Donor Identification using Cloud” under the scheme of Hon’ble Chief Minister’s Award for Excellence in e-Governance for Students for the year 2015–16 with the total cost of Rs.7,500/- (2016)
8. Institution of Engineers (IE), Kolkatta sponsored funded project entitled on “Development of Automatic GSM based ICU Patient Oxygen and Saline Level Monitoring System” with a total cost of Rs.10,000/- (2015)
9. TNSCST, Chennai sponsored funded project entitled on “Development of a Smart Security System for Preventing ATM Related Fraud Transactions” with a total cost of Rs.7,500/- (2014)

Awards Received

1. Received certificate for 5 years of active participation and service in the Cisco Networking Academy program
2. Received Project Completion Certificate (PCC) from Institution of Engineers India (IE(I)), Kolkata for the successful completion of following IE(I) sponsored projects
 - a. Intelligent LPG Gas Stove based on Internet of Things (IoT)
 - b. Intelligent Early Forest Fire Detection System with Self Energy Harvesting Wireless Sensor Networks
 - c. Development of Automatic GSM based ICU Patient Oxygen and Saline Level Monitoring System
 - d. Design and Development of an Intelligent Structural Health Monitoring System for a Simply Supported Bridge using Wireless Sensor Network
3. Received Plaque and Certificate from Institution of Engineers India (IE(I)), Kolkata for the successful completion of IE(I) sponsored project entitled “Design and Development of an Intelligent Structural Health Monitoring System for a Simply Supported Bridge using Wireless Sensor Network” in 29th Indian Engineering Congress during December 19-21, 2014 at Hyderabad.
4. Received cash award of Rs.85,000/- from National Engineering College, Kovilpatti, Tamilnadu for obtaining project grant from DRDO, New Delhi with the cost of Rs.27.16Lakhs.
5. Received appreciation certificate from Kovilpatti Blind Association (KOBRA) for coordinating final year student project entitled “Design and Development of e-voting machine for visually impaired peoples”.
6. Received Plaque from the Collector, Thoothukudi District for the guidance given to the student’s project

entitled on “Android Application for Blood Donor Identification using Cloud” under the scheme of Hon’ble Chief Minister’s Award for Excellence in e-Governance for the year 2015–16.

Consultancy Works

1. Completed Consultancy Work to TATA Power SED, Bangalore entitled “Services in the area of Intelligence” with the total cost of Rs.3,60,000/- from January 2018 to September 2018.

Patent Published

1. Published a Patent entitled “Automatic Floor Cleaning and Mopping Device” on 28.02.2020. (Journal No. 09/2020). Application No. 202041007307. Status: Reply Filed. Application in amended examination.
2. Published a Patent entitled “System and Method for Cardless Transactions using Automated Teller Machine” (Journal No. 19/2020). Application No. 201841010035. Status: Awaiting Request for Examination.
3. Published a Patent entitled “Method and System of Data Transmission from Sensor Network Nodes” (Journal No. 48/2019). Application No. 201841019925. Status: Awaiting Request for Examination.

Industry Training Programme Attended

- Attended one week industrial training programme on “Block Chain Technology” at Adroit Soft India Pvt. Ltd., Chennai from 25.06.2018 to 30.06.2018.

Supervisor Recognition

- Recognized under Anna University Chennai [Ref. No.4040055]

Publications Details

h-index: 4

Citations: 43

Publications Count: 19

Books Published:

- Co-Author of the book entitled “Theory of Computation” published by yesdee publishers, Chennai. (ISBN: 978-93-80381-54-1)

Paper Published in International/National Journals:

1. Maximizing energy efficiency using Dinklebach’s and particle swarm optimization methods for energy harvesting wireless sensor networks
Sadhana: Academy Proceedings in Engineering Sciences (IF: 1.188), Vol.47, Issue 2, Article: 60, 2022.
2. Determination of energy efficient optimal sojourn location of mobile sinks in clustered corona-based wireless sensor networks
Peer to Peer Networking and Applications (IF: 3.307), <https://doi.org/10.1007/s12083-021-01224-0>, 2021.
3. Modeling and simulation of defense game model for jamming attack in wireless sensor networks using evolutionary game theory
Concurrency and Computation: Practice and Experience (IF: 1.536), <https://doi.org/10.1002/cpe.6742>, 2021
4. Construction of Cryptographically Secure AES S-Box to Second Order Reversible Cellular Automata
Journal of Intelligent and Fuzzy Systems (IF: 1.851), vol.39, no.3, pp.4313-4318, 2020.
5. Energy Efficient Routing in Wireless Sensor Network Using Artificial Bee Colony Optimization
Sylwan Journal, Page No.: 473-487, Vol. 163, Issue. 12, 2019.
6. Secure Wireless Body Area Networks for Healthcare Applications
International Journal of Recent Technology and Engineering (Scopus), Vol.8, Issue.4, pp.4627-4634,2019
7. Analyzing Cryptographical Properties of 1D and 2D Cellular Automaton

8. Dynamic Load Balanced Clustering using Elitism based Random Immigrant Genetic Approach for Wireless Sensor Networks
Journal of Acta Graphica, Page No.: 15-24, Vol. 28, No.1, 2017.
9. A Survey on Cellular Automata with the Application in Pseudo Random Number Generation
Journal of Network and Information Security, Vol.5, Issue: 2, 2017.
10. An Energy Efficient Routing Protocol for extending Lifetime of Wireless Sensor Networks by Transmission Radius Adjustment
Journal of Acta Graphica, Page No.: 33-38, Vol. 27, No.4, 2016.
11. Trust Based Routing Algorithm for Mobile Ad Hoc Networks
Asian Journal of Information Technology (Scopus), Page No.: 4698-4704, Vol. 15, Issue: 23, 2016.
12. Energy Efficient Routing Mechanism for Improving Lifetime of Wireless Biosensor Networks
Journal of Pure and Applied Microbiology (Scopus), Page No.:365-370, Vol. 9 No. Special Edition Nov. 2015.
13. Energy Efficient Routing Protocol for Wireless Sensor Networks using Dominating Set Theory with Minimum Cardinality Factor
Information – An International Inter disciplinary Journal, Page No.:2279- 2288, Vol.17, No.6 (A), June 2014.
14. Energy Efficient low-cost Virtual Backbone Construction for Optimal Routing in Wireless Sensor Networks
Journal of Mathematical Problems in Engineering (IF:1.305), Special Issue on Sensor/Actuator Networks and Networked Control Systems, Article ID: 360694, 7 Pages, June 2014.
15. Enhancement of Security and Congestion Adaptiveness in Dynamic Source Routing Protocol
CiiT International Journal of Networking and Communication Engineering, Page No.: 366-370, Vol.4, No.7, June 2012.
16. Comprehensive Survey on Game Theory based Intrusion Detection System for MANETs
International Journal of Computer Applications, Page No.: 23-29, No.5, December 2011.
17. An Energy efficient Routing Scheme using Connected Dominating Set for Wireless Sensor Networks
CiiT International Journal on Wireless Communication, Page No.371 –377, Vol. 5, April 2011.
18. Multispeed Energy-Efficient Reliable Routing (MERR) Protocol for Coal Mine Monitoring.
International Journal of Computing, Communication and Information Systems, Page No.34 –39, Vol.1, No.1, Jan-June 2010.
19. Enhancing the Routing Performance of Wireless Sensor Networks using Connected Dominating Sets
International Journal of Convergence Information, Technology, Korea, Page No. 27-30, Vol. 3, No. 3, September 2008.

Paper Published in International/National Conferences:

International Conferences

1. An Energy Efficient Routing Mechanism in Software Defined Wireless Sensor Network for forest fire monitoring applications.
International Conference on Recent Advances in Engineering and Technology, Sri Krishna College of Engineering and Technology, Coimbatore, 08- 09 February 2019.

2. A three layer privacy preserving cloud storage scheme in FOG computing.
International Conference on Information, Embedded and Communication Systems, St. Joseph College of Engineering, Sriperumpudur, 22 March 2019.
3. A Game Theoretic Approach for Modeling Jamming Attacks in Delay Tolerant Networks
International Conference on Current Trends towards Converging Technologies, SVS College of Engineering, Coimbatore, 01- 03 January 2018.
4. Development of Novel Dynamic Load Balanced Clustering for Wireless Sensor Networks
International Conference on Advanced Computing & Communication Systems, Sri Eshwar College of Engineering, Coimbatore, 06- 07 January 2017.
5. Modeling the interactions between Malicious and Regular node in Sensor Networks using Game Theoretical Models.
3rd IEEE International Conference on Innovations in Information Embedded and Communication Systems, Karpagam College of Engineering, Coimbatore, 17-18 March 2016.
6. Augmented DTN Based Energy Efficient Routing Protocol for Vehicular Ad Hoc Network
IEEE Sensors 2015, Busan, South Korea, November 2015.
7. A Novel Trust based Routing Algorithm for Mobile Ad hoc Networks
Information Technology: Yesterday, Today and Tomorrow, DRDO, DESIDOC, New Delhi, February 2015.
8. Game Theoretical Computation based Energy Efficient Routing for Wireless Sensor Networks
International Conference on Eco-friendly Computing and Communication Systems, NITK, Mangalore, India, ISBN No.: 978-1-4799-7002-5, December 2014.
9. Modelling Intrusion Detection as a Non Cooperative Game
International Conference on Pattern Recognition, Informatics and Mobile Engineering, Periyar University, Tamilnadu, February 2013.
10. A Novel Secure Data Aggregation Model for Wireless Sensor Networks using Fuzzy Logic
IEEE Sensors 2012, Taipei, Taiwan, Page No. 4060-4070, Vol. 7, No.47, October 2012.
11. Multispeed Energy Efficient Reliable Routing (MERR) protocol for Coal Mine Monitoring.
International Conference on High Performance Communication Networks and Computing, Sastra University, Thanjavur, Tamilnadu, January 2010.
12. Coverage Preserved Optimal Routing Protocol of Improving the Quality of Service in Wireless Sensor Networks.
ACM International Conference on Interactions Science (ICIS), The Association for Computing Machinery (ACM), Korea, November 2009.
13. A Novel Protocol providing probabilistic QoS guarantee in terms of Reliability and Timeliness for Wireless Sensor Networks.
International Conference on Sensors and related Networks, VIT University, Vellore, December 2009.
14. Generating Quality Connected Dominating Set for efficient routing in Wireless Sensor Networks by minimizing the cardinality factor
International Conference on Sensors and related Networks, VIT University, Vellore, December 2007.

National Conferences

1. A novel trust based routing for Mobile Adhoc Networks

National Conference on Security Monitoring, Amrita School of Arts and Science, Kochi, February 2013.

2. Distance based Energy Aware Routing Protocol in Wireless Sensor Network

National Conference on High Performance Computing, Government College of Engineering, Tirunelveli, March 2010.

3. Enhancing the Efficiency of Routing in Wireless Sensor Network using Quality Connected Dominating Set

National Conference on Computing Technologies. Mepco Schlenk Engineering College, Sivakasi, March 2008.

Membership in Professional Societies

1. Life Member in Indian Society for Technical Education (ISTE), New Delhi – LM 95685

2. Associate Member in Institution of Engineers (IE), Kolkatta–AM100625

3. Member in IDES (Institute of Doctors, Engineers and Scientists) -5146

Sponsored FDTP/STTP/Seminar/Workshop/Training Programme Organized

1. 28.01.2011 & 29.01.2011 - CSIR Sponsored a Two day National Level Seminar on “Research Issues in Wearable Computing” - *Sanctioned Amount Rs.30,000/-*

2. 15.07.2011 & 16.07.2011 - BRNS Sponsored a Two day National Level Seminar on “Research issues in Computer Simulation and Modeling for Advanced Nuclear Energy Systems” - *Sanctioned Amount Rs.60,000/-*

3. 20.01.2012 & 21.01.2012 - NBHM Sponsored a Two day National Level Seminar on “Game Theoretical Models for Problem solving in Wireless Networks” - *Sanctioned Amount Rs.48,000/-*

4. 06.04.2012 & 07.04.2012 - CSIR Sponsored a Two day National Level Seminar on “Semantic Information Retrieval from Medical Databases for Clinical Decision Support Systems” - *Sanctioned Amount Rs.30,000/-*

5. 29.08.2012 - A self sponsored technical seminar on “Imaging Arithmetic: Physics U Maths > Physics + Maths” delivered by Dr. Gaurav Sharma, Professor, Department of Electrical and Computer Engineering, University of Rochester, USA.

6. 28.09.2012 & 29.09.2012 -DAE-BRNS, Mumbai Sponsored a Two day National Level Seminar on “Research issues in Soft Computing Techniques for Nuclear Energy Systems” - *Sanctioned Amount Rs.60,000/-*

7. 08.03.2013 - CISCO Systems India Pvt. Ltd., Sponsored a One day Cisco Academy Meet on “Emerging Trends in Green Networking Technologies” - *Sanctioned Amount Rs.50,000/-*

8. 03.06.2013 to 10.06.13 - Anna University Chennai sponsored one week Faculty Development Training Programme on “Theory of Computation” - *Sanctioned Amount Rs.80,000/-*

9. 02.08.2013 & 03.08.2013 - DRDO sponsored National Level Seminar on “Language based Formal Methods and Verification Techniques for Security” - *Sanctioned Amount Rs.30,000/-*

10. 27.09.2013 & 28.09.2013 - IARCS technically sponsored two days instructional course on “Computational Complexity”

11. 09.06.2014 to 16.06.2014 - ISTE-SRM University sponsored Short Term Training Programme on “High Speed Networks” - *Sanctioned Amount Rs.1,00,000/-*

12. 11.06.14 to 18.06.14 - Anna University Chennai approved one week Faculty Development Training Programme on “Mobile and Pervasive Computing”

13. 29.12.2014 to 31.12.2014 - EDI Gujarat Sponsored Three Days “Entrepreneurship Awareness Camp” -

Sanctioned Amount Rs.60,000/-

14. 08.01.2015 & 09.01.2015 - CRSI sponsored National Level Instructional workshop on “Formal Methods in Cryptography” - *Sanctioned Amount Rs.40,000/-*
15. 07.07.2015 & 08.07.2015 - DBT sponsored National Level seminar on “Cloud Computing Solutions for Genomics Analysis” - *Sanctioned Amount Rs.40,000/-*
16. Received Rs.50,000/- from DAE-BRNS, Mumbai for organizing an International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE’16) from 07.01.2016 to 09.01.2016.
17. Received Rs.50,000/- from ISRO, Bengaluru for organizing an International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE’16) from 07.01.2016 to 09.01.2016.
18. 05.10.2016 & 07.10.2016 - CIIL sponsored National Level Seminar on “Perspectives of Human Computer Interaction in Natural Language Processing” - *Sanctioned Amount Rs.30,000/-*
19. 01.06.2017 to 08.06.2017 - Anna University Chennai approved one week Faculty Development Training Programme on “Theory of Computation”
20. 20.07.2018 to 21.07.2018 - IARCS technically sponsored two days instructional course on “Algorithmic Game Theory”
21. 04.05.2019 – Organized one day workshop on “Scilab for Teachers” sponsored by IIT Bombay
22. 17.08.2019 - Organized one day workshop on “Assistive Technology” for third year and final year students.
23. 14.02.2020 to 15.02.2020 - CIIL sponsored National Level Seminar on “Research Avenues in Deep Learning for Natural Language Processing”. - *Sanctioned Amount Rs.30,000/-*
24. Organized two interactive webinar on “Readiness for Successful Placement” on 16.05.2020 and 23.05.2020.

Reviewer

1. IEEE Sensor Journal, indexed by Thomson Reuters.
2. Journal of Electrical Engineering and Technology (JEET), indexed by Thomson Reuters.
3. KSII transactions on internet and information systems, indexed by Thomson Reuters.

Certification Courses Completed

1. CCNA (Cisco Certified Networking Associate) Certified Instructor
2. Completed NPTEL certification course on “Theory of Computation” with Elite grade.
3. Completed IIT Bombay Online Courses on “Foundation Programme for ICT in Education (FDP1010x)” and “Pedagogy for Online and Blended Teaching Learning Process (FDP201x)”.
4. Successfully completed the NPTEL certification course on “Blockchain Architecture Design and Use Cases”.

Sponsored STC/FDTP/Seminar/Workshop/Training Programme Attended

1. Attended a workshop on “Some Harder Problems on Theory of Computation” organized by Department of CSE, MNM Jain engineering, Chennai-96 from 26.06.2004 to 27.06.2004
2. Actively Participated in the “Mentors Development Programme” conducted by Department of CSE, National Engineering College, Kovilpatti from 11.09.2004 to 12.09.2004.
3. Actively Participated in short term programme on “Instructional Design and Delivery” conducted by Ministry of Human Resource Development, Government of India at National Engineering College, Kovilpatti from 29.11.2004 to 04.12.2004
4. Attended NASSCOM sponsored two days faculty training programme on “Software Testing” at Accenture

Services Pvt. Ltd., Chennai from 22.05.2006 to 23.05.2006

5. Attended a two days workshop on “Research Motivation” organized by Department of Computer Science and Engineering, National Engineering College, Kovilpatti from 10.11.2006 to 11.11.2006
6. Attended a two days workshop on “Networking & Network Simulators” at RVS College of Engineering & Technology, Dindugul from 30.03.2007 to 31.03.2007.
7. Attended a one day workshop on “Middleware Technologies” at Mepco Schlenk Engineering College, Sivakasi on 20.02.2008.
8. Attended two weeks Continuing Education Programme entitled “Wireless Ad-hoc and Sensor Networks” organized by Department of Information Technology. Indian Institute of Technology, Kharagpur from 02.02.2010 to 15.02.2010.
9. Attended one day Technical Seminar on “Media Security: A set- theoretic framework for Data Hiding” organized by Department of CSE, National Engineering College, Kovilpatti on 29.08.2012.
10. Attended two days ISTE Convention organized by National Engineering College, K.R.Nagar, Kovilpatti.
11. Attended two days workshop on “Internet of Things using Arduino” at National Institute of Technology (NIT), Trichy from 13.11.2015 to 14.11.2015.
12. Attended five days GIAN course on “Algorithmic Foundations of Wireless Sensor Networks with Applications” at National Institute of Technology (NIT) Karnataka, Surathkal from 10.12.2017 to 14.12.2017.
13. Completed one and half week NPTEL-AICTE Faculty Development Programme on “Block chain Architecture Design and Use Cases”.
14. Attended QIP Short Term Course on “Static and Dynamic Traffic Assignment” at Indian Institute of Science (IISc), Bengaluru from 05.08.2019 to 09.08.2019.
15. Attended a webinar on “Research Outcomes: Technical Paper Writing, Research Proposal and Patent Filing” organized by DataTeach.ai on 22.04.2020.
16. Attended webinar on “Research Workflows, Research Metrics & Excellence in Academic Institutes” organized by AICTE and Elsevier on 14.05.2020.
17. Attended AICTE Training and Learning (ATAL) Academy Online FDP on “Blockchain” from 05.10.2020 to 09.10.2020 at National Institute of Technology, Meghalaya.
18. Successfully completed the AICTE Online Orientation Programme for Mentors from 26.07.2021 to 30.07.2021 organized by National Institute of Technical Teachers' Training and Research (NITTTR), Chennai.
19. Attended two days online “National Level Workshop on Curriculum Framework 2022 for Universities, Engineering Colleges and Degree Colleges” on 21.03.2022 and 22.03.2022 organized by Institute for Academic Excellence, Hyderabad in collaboration with “Collegiate Education & Technical Education Department, Govt. of Telangana”.

Project Proposal Presentation Attended

1. Attended Project Proposal Presentation entitled “Development and Analysis of Finite Automata based Public Key cryptographic Schemes” at DRDO, New Delhi during 6th February 2020 under CARS scheme.
2. Attended a project proposal presentation at Indian Institute of Science (IISc), Bangalore for an Indo-Korea joint research project entitled “Intelligent Early Forest Fire Detection System with Self Energy Harvesting

Wireless Sensor Network”.

3. Attended a project proposal presentation at Centre for Artificial Intelligence and Robotics (CAIR), DRDO, Bangalore for a project entitled “Studies in Cellular Automata with its applications on Cryptography”.
4. Attended a project proposal presentation at ICTACT, Chennai for the establishment of Entrepreneurship Development Cell.
5. Attended project proposal presentation at Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam for a project entitled “Design and Implementation of a Novel Routing Architecture to provide QoS for Under Water Communication using Wireless Sensor Networks”.
6. Attended a project proposal presentation at for a project entitled “Development of Computer Assisted Grammar Learning Tool for Classical Tamil Language using Natural Language Processing” at Central Institute of Classical Tamil, Chennai.

International Project Proposals Attempted

1. Made an attempt for submitting collaborative research proposals under various schemes of DST like,
 - Indo-Japan Cooperative Science Programme (IJCSP), Australia - Project entitled on “Design and Development of Wireless Sensor Nodes for Marine Environment Applications”.
 - India Strategic Research Fund (AISRF) - Project entitled on “Design and Development of Intelligent Early Forest Fire Detection System using Wireless Sensor Networks”.
 - Indo-US Science and Technology Forum (IUSSTF) - Collaborative INDO-US workshop entitled on “Research Issues and Challenges in Humanitarian Relief Applications of Wireless Adhoc and Sensor Networks”.
 - Indo-Korea Joint Research Project - Project entitled on “Intelligent Early Forest Fire Detection System with Self Energy Harvesting Wireless Sensor Network”.
 - Indo-Uzbek Joint Research Programme - Project entitled on “Design and Implementation of Delay Tolerant Network Routing for Underwater Wireless Sensor Networks”
 - India-Slovenia Programme of Cooperation in Science and Technology - Mathematical Modeling and Simulation of COVID-19 spread using Cellular Automata (CA) and Artificial Neural Networks (ANN) integrated Model.

Acted as Chair Person/Resource Person/ Expert for Technical Talk

1. Acted Resource Person of Anna University Sponsored FDP on “Web Programming” organized by Department of Information Technology, National Engineering College, Kovilpatti.
2. Acted as Finance Co-chair for the International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE’16) organized by the Department of Computer Science and Engineering, National Engineering College, Kovilpatti.
3. Acted as Co-Chair person of Sixth National Conference on Advanced Image Processing and Networking (NACIPAN’10) organized by the Department of Computer Science and Engineering, National Engineering College, Kovilpatti.
4. Acted as a Chairperson for the National Level Technical Symposium organized by Department of Computer Science and Engineering, PSN College of Engineering & Technology, Palayamkottai.
5. Acted as a Resource person for the Continuing Education Programme on “Advanced C & C + +

Programming” and “Object Oriented Programming and C++” organized by Department of Computer Science and Engineering, National Engineering College, Kovilpatti.

6. Delivered Expert Lectures on “Object Oriented Programming” and “Java Programming” to employees of Covansys (P) Limited (Now CSC), Chennai.
7. Handled Computer Training Classes for Police Persons and TNEB employees of Thoothukudi district.
8. Delivered an Expert lecture on the topic “Undecidability” in Anna University Chennai sponsored one week Faculty Development Training Programme on “Theory of Computation”.
9. Delivered an Expert Classes for III year BE Students of Govt. College of Engineering, Tirunelveli on the topic “Theory of Computation” on 13.10.2016
10. Delivered an Expert lecture in Anna University Chennai sponsored one week Faculty Development Training Programme on “CS8451-Design and Analysis of Algorithms”.
11. Acted Resource Person of Anna University Sponsored FDP on “Theory of Computation” organized by Department of Computer Science and Engineering, Anna University Regional Campus – Tirunelveli on 02.05.2019.

Academic/Administrative Responsibilities

1. Furniture In charge for College Level at National Engineering College, Kovilpatti.
2. Board of Studies Member of CSE Department, National Engineering College, Kovilpatti.
3. Convener of Registration Committee for JOB MELA 2016 organized by Thoothukudi Collectorate at National Engineering College, Kovilpatti.
4. Involved in NBA work (Tier – I) for CSE Accreditation.
5. Involved in NBA work (Tier – II) for MCA Accreditation.
6. Finance Co-Chair for organizing an International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE’16).
7. Press Committee Convener for organizing an International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE’16).
8. Coordinating college level TCS reaccreditation process of National Engineering College, Kovilpatti.
9. Project Coordinator for UG students Project (2013, 2014, 2015 & 2016).
10. Acted a panel member for evaluation of concept understanding review meeting for first year students.
11. Acted as Panel Member of TCS Mock Interview conducted for students.
12. Actively worked in organizing a International Conference (IRIS’06) and various National Conferences (NACIPAN-03,04,05,07,08,10)
13. Acted as Chief Superintendent for conducting TNPSC Group – IV Examination.
14. Panel member for Mock Interview of TCS Recruitment.
15. Team Coordinator of National Engineering College, Kovilpatti ERP project for 8 years from 2003 to 2010. Also involved in maintenance activities of College Staff Salary Module.
16. One of the Instructor of CISCO Networking Academy for handling CCNA classes.
17. Assisted with HOD to apply for the establishment of IIT Bombay Remote Centre in our campus.
18. Assisted with HOD for made an effort to send our passed out final year students for their project internship at CAIR (Centre for Artificial Intelligence and Robotics) Lab, DRDO, Bangalore.

19. Acted as project coordinator for MCA (2 years) and CSE (3 years) student's final year projects.
20. Acted as Treasurer for Alumni association of National Engineering College, Kovilpatti.
21. Convener in Registration committee of Alumni Meet 2014.
22. Convener of Department Interview process for faculty recruitment.
23. Coordinator for Computer Science and Engineering association (CSEA) for two years from 2003- 2005.
24. Actively involved in organizing placement training workshop Vision & Mission 2006 and 2007 for pre-final year students.
25. Assisted for applied of FIST-2012 for our department.
26. Staff Club joint secretary of National Engineering College, Kovilpatti for two years from 2008 to 2010.
27. Coordinator for College level Furniture In charge (2015).
28. Member in Security committee of Graduation day (2012).
29. Member in Refreshment committee of College day (2013, 2014 & 2015).
30. Emergency Committee Convener for 2nd All India Lakshmi Ammal Hockey Tournament organized by K.R.Educational and Charitable trust.
31. Member in Press Committee for 3rd All India Lakshmi Ammal Hockey Tournament organized by K.R.Educational and Charitable trust.
32. Member in Refreshment committee of Anna University, Tirunelveli hockey tournament organized by National Engineering College, Kovilpatti.
33. College level Furniture Assistant In charge (2015-2016)
34. Department Placement Coordinator (2018-2021)
35. Cisco Networking Academy Lead (2019-Till Date)
36. Member of Center for Academic Courses (2022-Till Date).

SIGNATURE