Dr.M.A.Archana
No.68, 72 South Street,
Paruthikulam, Thimmasamudiram Post,
Kanchipuram,Tamilnadu-631502
Mob: 09677652179
maarchaname@gmail.com,maarchanaphd@gmail.com,
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OBJECTIVES:

I am looking for opportunities that challenge my potential, creativity, and organizational skills. I am eager to work for an organization that encourages me to apply my knowledge and skills to stretch targets.

ACADEMIC QUALIFICATION:

Name of the course	Board/ Year of passing	Name of the Institution	Percentage
Ph.D	SCSVMV-2019	SCSVMV University	
M.E.(Applied Electronics)	Anna University - 2011	CAHCET Engineering College, Vellore	74%
B.E.(E.C.E)	Anna University - 2007	Kanchi Pallavan Engineering College, Kanchipuram	72%
D.E.C.E	DOTE - 2003	Bhakthavachalam Polytechnic, Kanchipuram	85%
S.S.L.C	STATE BOARD - 2000	S.S.K.V Higher Secondary School, Kanchipuram	71%

PROFESSIONAL MEMBERSHIP:

- Member of IAENG (International Association of Engineers)
- Member of IRED (Institute of Research Engineers and Doctors)
- Member of ISRD (International Society For Research And Development)
- Member of ICSES (International Computer Science and Engineering Society)
- Member of IAETSD (International Association of Engineering & Technology for Skill Development)
- Member of IAER(International Association of Educators & Researchers)

COMPUTER EXPOSURE:

- Basic knowledge of "C language"
- Operating System- Windows Platform (XP,2000,98 and MS-DOS)
- Network Simulator (NS-2)

AREAS OF INTEREST:

- Wireless Networks
- Wireless Communication

SUBJECTS TAUGHT:

- Data Communication Networks
- Optical Communication
- Principles of Communication
- Mobile Communication
- Digital Communication
- Broadcasting & Telecasting Systems
- Digital Electronics
- Electronic Devices & Circuits
- Circuit Theory
- Antenna & Propagation
- Microprocessor & Microcontroller
- Medical Electronics
- Analog Communication
- Computer Programming
- Principles of Management

PROJECT DETAILS :
Smart Agriculture sponsored by SCSVMV

PUBLICATION DETAILS:

International Journals

1. **M.A.Archana**, Dinesh Kumar. T and Dr. C. Parthasarathy, "Utilization of Framework for Wireless Service Prov2021iders in Hybrid Access", *International Journal of Advance Research in Computer Science and Management Studies*, ISSN: 2321-7782 (Online), Vol. 1, no. 4, pp 40-48, September 2013.
2. **M.A.Archana**, Dinesh Kumar. T and Dr. C. Parthasarathy, "Partial Swarm Optimization for Minimizing Occlusion Problem during Multi-Face Recognition" *International Journal of Science and Research (IJSR),* ISSN 2319-7064 (Online), Vol.3 no. 7, pp 747-750,July 2014 Impact Factor 2012 : 3.358.

3. **M.A.Archana**, T.Dinesh Kumar and Dr.C.Parthasarathy, "Improving the Throughput under Energy-Constraint in Wireless Mesh Networks" *International Journal of Applied Engineering Research*, Research India Publications, ISSN 0973-4562, Vol 10, no.42, pp 30768 – 30774, July 2015. (SCOPUS Indexed Journal).

4. **M.A.Archana** and Dr.C.Parthasarathy, "Ant Colony Optimization for Improving Throughput over Wireless Mesh Networks" *International Journal of Modern Trends in Engineering and Science*, ISSN: 2348-3121, Vol 4, no. 3, pp 154-157, March 2017.

5. **M.A.Archana** and Dr.C.Parthasarathy, "Survey on Energy Efficient and Throughput Enhancement Routing Protocols over Wireless Mesh Networks" *International Journal for Research in Applied Science & Engineering Technology*, ISSN: 2321-9653, Vol 6, no.1, pp 1078-1083, January 2018. (UGC Approved Journal)

6. **M.A.Archana** and Dr.C.Parthasarathy, "EISO Technique for Wireless Mesh Networks", *International Journal of Advance Research in Science and Engineering*, ISSN: 2319-8354, Vol 7, no. 1, pp 78-86, January 2018. (UGC Approved Journal)

7. **M.A.Archana** and C.Parthasarathy, "Energy Efficient QoS Aware SOCCOR Protocol for Improving Throughput in Wireless Mesh Networks", Springer, *Wireless Personal Communications,* ISSN: 0929-6212 (print), 1572834X (online), Vol 101, pp.583-600, April 2018. (SCI Journal)

8. **M.A.Archana** and Dr.C.Parthasarathy, "Colony Optimization Routing for Throughput Enhancement over Wireless Mesh Networks", *International Journal of Pure and Applied Mathematics*, ISSN: 1314-3395 (online), Vol 118, no. 20, pp 4777-4784, April 2018. (SCOPUS Indexed Journal)

9. **M.A.Archana**, "Throughput Enhancement with AODV Routing Protocol over Wireless Mesh Networks", *International Journal of Research*, ISSN NO:2236-6124, Vol 8 ,no.3, pp 2287-2293, March 2019. (UGC Approved Journal)

10. **M.A.Archana**, "Wavelet Based Video Text Extraction For Character Recognition" *International Journal of Scientific Research and Review*s, ISSN: 2279-0543, Vol 8 ,no.1,pp 2351- 2357, April 2019. (UGC Approved Journal)

11. **M.A.Archana,** T. Dinesh kumar and V. Uma , "MANETS for 5G Communication Networking", *International Journal of Engineering Research & Technology (IJERT),* ISSN: 2278-0181 , Vol no. 8, Issue no. 06,pp.1-3,July 2020.

12. **M.A.Archana** and T. Dinesh Kumar, "Automatic Multiple Fault Detection in Transmission Lines Using Arduino Based IoT Systems", *Journal of Telecommunication Study,* Vol no.6, Issue no.1,pp.10-18,January-April 2021.

13. **M.A.Archana**, C.Sujitha, C.Swathi and D.Akanksha, "IOT Based Intelligent Gas Leakage Detector uing Arduino", *GIS Science Journal,* ISSN NO : 1869-9391, Vol no.8, Issue no.3, pp.1378-1383,March 2021.

14. **M.A.Archan*a** an*d* K. K. Madhurima, "Analysing Covid-19 Situation using ML Algorithms*" GIS Science Journal,* ISSN NO : 1869-9391, Vol no.8, Issue no.3, pp.1762 - 1767,March 2021.

15. Bestha Uttej Kumar, Ch Pavan Kumar Reddy, C Uday Bhaskar Reddy, and **M.A.Archana**, "IOT based Smart Street Light Management" , *International Journal of Scientific Research*

in Engineering and Management, ISSN: 2582-3930, Vol.no.05, Issue no.04, pp.1-9,April 2021.

16. **M. A. Archana** and T. Dinesh Kumar, "An Automatic Framework for Web Controlled Surveillance using the Raspberry Pi", *Journal of Control System and Control Instrumentation,* Vol. no.7, Issue no.1 ,pp.6-12,January-April, 2021.

International Conferences

1. **M.A.Archana**, T.Dinesh kumar and Dr.C.Parthasarathy, "Secure Routing Protocol in Wireless ADHOC Networking" International Conference on Recent Trends in Engineering and Technology held at Cochin, organized by IJBRMM, ISBN No: 978-81-908980-8-9, pp 11-18, January 2014.

2. S.Vijayaraghavan, **M.A.Archana**, T.Dinesh kumar and Dr.C.Parthasarathy "Novel Vector Quantization for image compression in reconfigurable platform " in the International Conference on "Electronics , Computer Science & Information Technology-2014" held at Ernakulum , organized by IFERP, ISBN No:978-81-929580-4-0, pp 62-66, October 2014.

3. S.Vijayaraghavan, **M.A.Archana** and Dr.C.Parthasarathy, "Performance Analysis of Discrete Cosine Transform Based Image Compression" in the International Conference on Advancements in Engineering & Technology", organized by IAESTD, ISBN No:978-15-028933-1-4, pp7-11,October 2014.

4. **M.A.Archana** and Dr.C.Parthasarathy and C.V.S Ravi Teja, "BER Performance of CDMA, WCDMA, IEEE 802.11g in AWGN and Fading Channels" in the International Conference on "Current Trends in Engineering Research-2014" held at Chennai , organized by IAESTD, ISBN No:378-26-138420-1, pp243-248,August 2014.

5. **M.A.Archana** and Dr.C.Parthasarathy. "Performance Analysis of Real Time Zigbee based Monitoring System in Wireless Networks" International Conference on Emerging Trends in Electronics Communication and Computing Technology, (ICONTECH'16), Organized by SCSVMV University, pp 441-446, May 2016.

6. **M.A.Archana** and Dr.C.Parthasarathy, "EISO Technique for Wireless Mesh Networks" International Conference on Science, Technology and Management, Organized by Osmania University Campus, Hyderabad, ISBN No:978-93-861719-4-8, pp 23-31, January 2018.

7. **M.A.Archana** and Dr.C.Parthasarathy, "Colony Optimization Routing for Throughput Enhancement over Wireless Mesh Networks" International Conference on Interdisciplinary Research Practices and Applications,(ICIDRPA'18),held at Coimbatore, organized by Dhanalakshmi Srinivasan College of Engineering, pp 1-7, March 2018.

National Conferences

1. **M.A.Archana**, "Video Text Extraction for Character Recognition" National Conference on Recent Trends in Communication, organized by Annai Mathammal Sheela Engineering College, October 2010.

2. **M.A.Archana**, "Measured and Characterized Microwave Radio Propagation in ICT", National Conference on Emerging Trends in Communication, VLSI, Image Processing, organized by Gojan School of Business and Technology, February 2012.

3. B.Chandrasekaran and **M.A.Archana**, "Optical Layer Network Security in Fiber Optic", National Conference on Advance in Microwave Radar And Communication Engineering, organized by Saveetha University, February 2013.

4. G.Jeswanth Kumar, **M.A.Archana** and Dr. C.Parthasarathy, "VOIP Channel Capacity in Wireless Networks", National Conference on Network Security organized by SCSVMV University, ISBN No:978-81-928100-0-3, October 2013.

5. **M.A.Archana**, Dr.C.Parthasarathy and Karanam Chakradhar, "Improving Data Throughput in Wireless Local Area Networking" National Conference on Recent Advances in Information Technology, organized by SCSVMV University, ISBN No: 978-81-928100-8-9, pp 39-43,January ,2015.

6. **M.A.Archana** and Dr.C.Parthasarathy, "Overview Of Energy Efficient Protocols For Wireless Networks" National Conference on Recent Advancements in VLSI, Signal Processing & Communication, organized by SCSVMV University, ISBN No: 978-81-928100-8-7, pp1-7, February 2015.

7. **M.A.Archana** and Dr.C.Parthasarathy, "Improving Overall Network Throughput over Wireless Mesh Networking" National Conference on Engineering Trends in Electronics, Communication and Networking, NCETECN'16, organized by Dhanalakshmi College of Engineering, Chennai, pp13-16, March 2016.

8. **M.A.Archana** and Dr.C.Parthasarathy, "Energy Management for Broadcasting over Wireless Mesh Networks", National Conference on Advanced Communication & VLSI Computing Techniques, organized by SCSVMV University, ISBN No: 978-81-928100-9-2, pp.355-360, March 2016.

9. **M.A.Archana**, Aadarsh Rajesh and Suhruth Dantu, "Energy-Efficient Techniques for Cellular Mobile Communication", National Conference on Advance Communication & VLSI Computing Techniques (NCACVC'16), organized by SCSVMV University, ISBN No: 978-81-9281000-9-2, pp 361-365, March, 2016.

10. **M.A.Archana**,H.Akhil, M.Kasi Jyothi and T.Gangagiri Datta, "Amalgamation of Wi-Fi and Li-Fi concerning the challenges of 5G", in the Proceedings of the Third National Conference on Recent Advancements in VLSI, Signal Processing and Communication, (RAVSC – 2017) organized by SCSVMV, ISBN .No. 978-81-90994-85-9,pp. 305-310 on 28th March 2017.

11. **M.A.Archana** and Dr.C.Parthasarathy, "Survey on Energy Efficient and Throughput Enhancement Routing Protocols over Wireless Mesh Networks", National Conference On Recent Trends In Computer Science, Applications And Engineering (NCRTCAE-18),organized by Thiruvalluvar University Constituent College of Arts and Science, Arakkonam, ISBN No:978-81-922142-7-6,pp 63, February 2018.

12. Dinesh Kumar.T and **M.A.Archana**, "Novel Spurious Power Supression Technique For Wireless Communication Standards" National Conference on "Innovative Research on Robotics, Circuits & Technology" (IRCT'18), organized by SCSVMV, ISBN: 97893-87088-23-8, pp 107-113, March 2018.

13. **Dr.M.A.Archana** and Dr.T.Dinesh Kumar, "An Automatic Framework For Vehicle E-Parking System in Smart Cities using the Arduino" National Conferencre on Research Emerging Science, Engineering & Advanced Research in Communication and Healthcare 2022, organized by Aarupadai Veedu Institute Of Technology, Vinayaka Mission's Research Foundation, Chennai, ISBN: 978-93-5659-451-7, pp 5-7, July 2022.

BOOK PUBLICATIONS:

❖ Dr.T.Dinesh Kumar and **Dr.M.A.Archana**, "Fundamentals of Internet of Things and It's Applications", Alpha International Publication, ISBN:978-93-95405-67-6, October 2022.

PATENT DETAILS:

1. Dr.M.S.Nidhya,Dr.R.Jayakarthik,**Dr.M.A.Archana**,Dr.V.Thirunavukkarasu,K.S.Mohanasundaram, Dr.G.M.Nasira, G.Devika, K.Shankar, M.Ilayaraja , Dr.R.Shobarani, 2019, "PROCESS TO DISPLAY AIR PURITY INDEX" India Application No.201941041701 A (19), Filed October 15, 2019, Published October 25, 2019.
2. Dr. Mirza Waseem Hussain, Karthikeyan T, Dr. Pankaj Shambunath Mishra, Dr.T.Dinesh Kumar, **Dr.M.A.Archana**, Dr. K. Ambujam,S.S.Raju, Aditya Mandloi, Sheetal Mungale, D. Arivazhagan, M.S.Sathya, T. Aarthi, 2022 "Neural Network for ECG Anomaly Detection in IoT Environment" India, Application No. 202211043348A , Filed July 28, 2022, Published August 05,2022.
3. Dr. Bharat Bhushan Agarwal, K. Rama Krishna, R.Sudha, Dr.D.Rasi, Prof. Alok B. Patel, Dr.T.Dinesh Kumar, **Dr.M.A.Archana,** Dr.M.Jemimah Carmichael, Dr.M.Shanmugapriya, H.Ramprasanth, Dr. Harikumar Pallathadka, 2022 "High Performance Computing (HPC) Integration of IoT and Big Data Analytics: Design and Experimental Evaluation of an HPDA Framework for eScience at Scale" India, Application No.202211045530A, Filed August 9 , 2022, Published August 26,2022.
4. Prof.Mrunalini Buradkar, Dr.M.Newlin Rajkumar, Dr.S.Perumal, Dr.A.S.Arunachalam, Mr.R.Balamurugan, Mihaltan Traian Candin, Sakthivadivel M, Sonu Kumar, Dr.T.Dinesh Kumar and **Dr.M. A. Archana,** 2022 "Lpg Gas Detector Leakage System using Internet Of Things (IoT)" India, Application No. 202221050682 A, Filed September 05,2022, Published October14,2022.

WORKSHOPS / SEMINARS/WEBINARS ATTENDED:

1. Participated in the National Workshop on "NS2 Simulator for Communication Networks", Organized by Bharath University on 27th January 2012.
2. Participated in the National Workshop on "Basic Electronics", Organized by Indian Institute of Technology-Bombay, during 28th June - 08th July ,2011.
3. Participated in the National Workshop on "National Mathematics Day" Organized by SCSVMV University on 29th February, 2012.
4. Participated in the National Workshop on "Research Methodologies From End To End", Organized by Thirumalai Engineering College on 11th May, 2013.

5. Participated in the National Workshop on "Modeling Of Controllers For Power Converters" Organized by SCSVMV University on 23rd August, 2013.
6. Participated in the Regional Workshop on "RESEARCH METHODOLOGY", Organized by SCSVMV University on 30th August, 2013.
7. Participated in the National Workshop on "Matlab and Its Applications", Organized by SCSVMV University on 6th September, 2013.
8. Participated in the National Workshop on "Scilab Training", Organized by SCSVMV University on 9th September, 2014.
9. Participated in the National Seminar on "Enhancement of Quality in Higher Education- Role of Teachers", Organized by SCSVMV University on 30th January, 2015.
10. Participated in the National Workshop on "Shodhganga & Anti-Plagiarism Software", Organized by SCSVMV University on 26th March, 2015.
11. Participated in the International Seminar on "Impact Of Electromagnetic Radiation On Humans" Organized by SCSVMV University on 6th May, 2015.
12. Participated in the National Workshop on "Embedded Systems" Organized by Pallavan College Of Engineering on 25th July, 2015.
13. Participated in the National Workshop on "Matlab & its application" Organized by SCSVMV University on 12th October, 2015.
14. Participated in the National Workshop on "Realization Of OFDM For Wireless Communications Using Matlab" Organized by VIT University on 17th October, 2015.
15. Participated in the National Workshop on "Design and Implementation Of Power Electronic Converters Using Matlab" Organized by SCSVMV University on 5th February, 2016.
16. Participated in the National Workshop on "Quality Enrichment Programme II" Organized by SCSVMV University on 20th September, 2016.
17. Participated in the National Seminar on "Emerging Trends in Pure and Applied Mathematics", Organized by SCSVMV University on 24th February, 2017.
18. Participated in the National Seminar on "Curriculum Enrichment", Organized by SCSVMV University on 20th March, 2017.
19. Participated in the National Workshop on "Research Innovation and Intellectual Property Rights" Organized by SCSVMV University on 24th March, 2017.
20. Participated in the National Workshop on "Web Training Programme on Urkund: Anti plagiarism software", Organized by SCSVMV University on 16th November, 2017.
21. Participated in the National Seminar on "Glimpses of Indian Space Programme-2018", Organized by "SCSVMV University" on 25th January, 2018.
22. Participated in the National Workshop on "Awareness Program on Intellectual Property Rights and Patents", Organized by SCSVMV University on 22nd February, 2018.
23. Participated in the National Workshop on "Awareness Program on Research Grant Through Funding Agencies", Organized by SCSVMV on 22ndAugust, 2018.
24. Participated in the International Workshop on "Graph Theory and its Application", Organized by SCSVMV during 20th -21st December, 2018.
25. Participated in the webinar on "Building Neural Network in Simple Way", organized by Codegnan IT solutions OPC pvt ltd on 21st April ,2020.
26. Participated in the webinar on "Linear Regression using python", organized by Codegnan IT solutions OPC pvt ltd on 23rd April ,2020.
27. Participated in the webinar on "Building Probabilistic Classifier using SCIKIT", organized by Codegnan IT solutions OPC pvt ltd on 27th April ,2020.

28. Participated in the webinar on "Building API with Python", organized by Codegnan IT solutions OPC pvt ltd on 29th April ,2020.
29. Participated in the webinar on "Machine Learning with SCIKIT", organized by Codegnan IT solutions OPC pvt ltd on 01st May,2020.
30. Participated in the webinar on "Oppurtunities for Engineers and Expectations from Industry" Organized by Chennai Institute of Technology on 02nd May,2020.
31. Participated in the webinar on "Build your Career with Data Science", organized by Codegnan IT solutions OPC pvt ltd on 03rd May,2020.
32. Participated in the webinar on "Virtual Reality" organized by SRM University-Ramapuram Campus on 14th May 2020.
33. Participated in the webinar on "E-Vehicle Design" organized by Hindusthan Institute of Technology and Science on 15th May,2020.
34. Participated in the webinar on "Revolutionary Challenges in 5G Technologies and Impact on COVID-19 Pandemic", organized by Vellammal College of Engineering & Technology from 27th -30th May,2020.
35. Participated in the webinar on "Machine Learning & Artificial Intelligence in Brave New World" organized by SunRise University,Alwar on 08th June 2020.
36. Participated in the webinar on "Awareness of National Education Policy-2020" organized by SCSVMV, Kancheepuram on 27th September,2020.
37. Participated in the TEQIP - III sponsored online workshop "5G Communication: Key Enabling Technologies" organized by 5G Innovation Center, Department of Electronics and Communication Engineering, Coimbatore Institute of Technology, Coimbatore-641014, during 19th March 2021 to 20th March,2021.
38. Participated in the National Webinar on "Effective and Efficient Writing of Research Papers for the Web of Science, Scopus Indexed Journal and Conference Papers Using Typeset Research Studio" organized by Hyderabad Institute of Technology and Management on 11th June 2021.
39. Participated in the National Webinar on "Constitutional and Legal Provisions For Protecting Children Against Abuse" Department of Library and Information Science, University Library Buildings, University of Kerala, Palayam, Trivandrum, Kerala on 12th June, 2021.
40. Participated in the National Webinar on "UGC CARE Indexing Journal List" organized by Progress with Prof.Mahamani, YouTube channel on 18th July, 2021.
41. Participated in the National Webinar on "Introduction to Patents" Organised by Department of Computer Science and Engineering,SCSVMV and SOLUTIONS4URIP on 24th July, 2021.
42. Participated in the National Webinar on "Emerging trends and research perspective of Artificial Intelligence in Electrical Engineering", organised by Nehru Institute of Engineering & Technology,Coimbatore on 12th August, 2021.
43. Participated in the National Webinar on "Outcome Based Education" organised by IQAC , SCSVMV on 21st October,2021.
44. Participated in the National Webinar on "Data Science and its applications" organised by Social Development Federation, Agra, U.P on 01st January 2022.
45. Participated in the expert talk "Applications of Probability & Statistics in Defence", organized by the Department of Mathematics, SRMIST, Ramapuram, Chennai - 600089 as part of National Statistics Day on 29th June 2022.

46. Participated in the National Workshop on "Writing & Publishing Scientific Articles" Organized by IQAC cell, SCSVMV University,Enathur on 01st July 2022 .
47. Participated in the National Webinar on "Challenges faced in NAAC Accreditation & Live Ki-NAAC Software product Demo" organized by Kramah Software Pvt. Ltd on 30th July 2022.
48. Participated in the National Seminar on "National Educational Policy: Quality Enhancement and Reforms in Higher Education Institutions (HEIs)" organized by Sri Ramakrishna Engineering College, Coimbatore from 4th -5th August,2022.
49. Participated in the National Webinar on Expert talk "Carving your Career" organized by SRM Institute of Science and Technology, Ramapuram Campus, Chennai on 6th August,2022.
50. Participated in the National Workshop on "Reliability Modeling and Its Applications" organized by SRM Institute of Science and Technology, Ramapuram Campus, Chennai from 24th & 26th August 2022.
51. Participated in the National Lecture on "Innovation and Prototype Validation -Converting Innovation into Startup" organized by COER, Roorkee on 27th August,2022.
52. Participated in the National Workshop on "Entrepreneurship and StartUp for Beginners" organized by Bharat-Ratna Indira Gandhi College of Engineering, Kegaon, Solapur on 15th September, 2022.
53. Participated in the National Webinar on "Motivational Talk on Innovations in Skills Development" organized by SIMATS,Chennai on 21st September, 2022.

FACULTY DEVELOPMENT PROGRAMME ATTENDED:

1. Participated in the National Faculty Development Programme on "Parallel Processing", Organized by SCSVMV University on 2nd July, 2015.
2. Participated in the National Faculty Development Programme on "Embedded System Design Using Arduino", Organized by NIELIT-Chennai from 19th - 25th February 2016.
3. Participated in the National Faculty Development Programme on "Tools, Trends & Research Challenges in Network Infrastructure Security and Applications" Organized by SCSVMV University from 24th - 25th March, 2016.
4. Participated in the National Faculty Development Programme on "Recent Trends and Tools in Modern Wireless and Digital Communication Networks" Organized by SCSVMV University from 26th June -1st July, 2016.
5. Participated in the National Faculty Development Programme on "Introduction to Big Data Analytics" Organized by "SCSVMV University from 22nd - 23rd December, 2017.
6. Participated in the Online FDP on "Tools for Online Classroom post COVID-19" Organized by P.B.Siddartha College of Arts & Science,Vijayawada from 18th -20th May, 2020.
7. Participated and completed successfully in the AICTE Training And Learning (ATAL) Academy Online FDP on "Advanced Optical Access Networks and its Role in Smart Cities" organized by Indian Institute of Information Technology, Kota (MNIT Campus Jaipur) from 23rd to 27th November 2020.
8. Participated and completed successfully in the AICTE Training And Learning (ATAL) Academy Online FDP on "Wearable Devices" organized by Sri Ramakrishna Institute of Technology from 30th November 2020 to 4th Decemebr 2020.
9. Participated and completed successfully in the AICTE Training And Learning (ATAL)

Academy Online FDP on " Advanced Communication Engineering" organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai from 7th to 11th December 2020.

10. Participated and completed successfully in the AICTE Training And Learning (ATAL) Academy Online FDP on "Human Centre Computing" organized by Gauhati University Institute of Science and Technology from 15th to 19th February 2021.

11. Participated and completed successfully in the AICTE Training And Learning (ATAL) Academy Online FDP on "Towards 5G & Beyond with IoT and Machine Learning" organized by School of Engineering and Technology, Central University of Haryana from 26th to 30th July 2021.

12. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things in 5G Wireless Communication" organized by North Eastern Regional Institute of Science and Technology (NERIST) from 06th to 10th September, 2021.

13. Participated & completed successfully AICTE-ISTE approved Orientation/Refresher programme on "IOT and Smart Technologies" organized by Model Institute of Engineering and Technology (MIET), Jammu from 13th to 18th December, 2021.

14. Participated & completed successfully AICTE-ISTE approved Orientation/Refresher programme on "Emerging Trends in Embedded systems and IOT" organized by Nehru College of Engineering and Research Centre,Thrissur,Kerala from 01st to 07th February, 2022.

15. Participated in the "Five Day International Virtual Faculty Development Program" organised by the Faculty of Education and Academic Staff College, Dr.M.G.R. Educational and Research Institute, Tamil Nadu, Chennai-95 from 20th to 24th June, 2022.

16. Participated in the one week Faculty development programme on "Entrepreneurship , Innovations & Digital Skills in New Era of AI" organised by MIT, MORADABAD, from 25th to 29th July 2022.

17. Participated in the seven days online Faculty Development Programme on "Applications Of Machine Learning and Deep Learning using Matlab" organised by Veltech Multi Tech Dr.Rangarajan Dr.Shakunthala Engineering College, Avadi from 1st -7th August, 2022.

18. Participated in the "FDP on Power System Design & Analysis using DIgSILENT PowerFactory Software" organised by M/s DELLSOFT Technologies Pvt. Ltd. New Delhi on 1st August, 2022.

19. Participated in the "FDP on Microgrid System Design & Simulation using HOMER Pro & HOMER Grid Software" organised by M/s DELLSOFT Technologies Pvt. Ltd. New Delhi on 3rd August, 2022.

20. Participated in the International Faculty Development Program on "Futuristic Research in Mechanical Engineering" organized by SRM Institute of Science and Technology, Ramapuram Campus, Chennai from 6th -13th August,2022.

21. Participated in the "FDP on Automation System Design & Simulation using Automation Studio Software" organised by M/s DELLSOFT Technologies Pvt. Ltd. New Delhi on 12th August, 2022

22. Participated in the Faculty Development Programme on "21st Century Skills for Teaching & Learning (CSTL-2022)" organised by Department of Computer Science and Engineering of GMR Institute of Technology, from 16th -20th August, 2022.

23. Participated in the one week Faculty Development Programme on "Amazon Web Services" organised by GMR Institute of Technology, Rajam, from 22nd -27th August, 2022.

24. Participated in the Faculty Development Programme on "Integration of EV in smart grid using V2G Technology" organised by Sri Krishna College of Engineering and Technology, Coimbatore, from 06th - 07th & 09th September 2022.

SHORT TERM PROGRAMME ATTENDED:

1. Participated in the AICTE recognized Short Term Course on "Cyber Crime & Forensic Tools through ICT", Organized by "NITTTR-Chandigarh" from 31st August - 4th September, 2015.
2. Participated in the AICTE recognized Short Term Course on "Web Based Content Generation through ICT", Organized by "NITTTR-Chandigarh" from 28th March - 1st April ,2016.
3. Participated in the AICTE recognized Short Term Course on "Wireless Networks through ICT", Organized by "NITTTR-Chandigarh" from 2nd - 6th May, 2016.
4. Participated in the AICTE recognized Short Term Course on "Optical Fiber Communication through ICT", Organized by "NITTTR-Chandigarh" from 5th - 9th September, 2016.
5. Participated in the AICTE recognized Short Term Course on "Wireless and Mobile Communication through ICT", Organized by "NITTTR-Chandigarh" from 3rd - 10th October, 2016.
6. Participated in the AICTE recognized Short Term Course on "Entrepreneurship and Business Incubation using Blue Ocean Strategies through ICT", Organized by "NITTTR-Chandigarh" from 7th -11th November, 2016.
7. Participated in the AICTE recognized Short Term Course on "IOT in Manufacturing through ICT", Organized by "NITTTR-Chandigarh" from 15th to 17th October, 2018.
8. Participated in the AICTE recognized Short Term Course on "Next Generation Wireless technologies through ICT", Organized by "NITTTR-Chandigarh" from 26th to 30th November, 2018.
9. Participated in the AICTE recognized Short Term Course on "Wireless Propagation through ICT", Organized by "NITTTR-Chandigarh" from 25th February to 1st March, 2019.
10. Participated in the AICTE recognized Short Term Course on "Electric Vehicle Technology" Organized by "NITTTR-Chandigarh" from 26th August to 30th August 2019.
11. Participated in the AICTE recognized Short Term Course on "Data Science using R" Organized by "NITTTR-Chandigarh" from 14th October to 18th October 2019.
12. Participated in the Online Training Programme on "Sensor Applications using my RIO" Organized by "NITTTR-Chennai" from 21st February to 25th February 2022.

ADDITIONAL RESPONSBILITES:

- Member in University Convocation Reception committee 2009-13, 2015-18.
- Member in University Convocation Disciplinary committee 2014.
- Member in Annual Stock Verification committee 2010, 2017-19.
- Member in University Admissions 2015, 2016.
- University Placement Activity 2014, 2015, 2016.
- Member of departmental Students Colloquium committee during 2018-19.
- Member in design of curriculum and syllabus for updating of course in AICTE regulations.
- In-charge for First Year Class Monitoring and Students Affairs Committee 2014-2015.

- Department IQAC member, Women cell, Class-In charge, Students Mentor, Exam cell, Result Analysis Co-ordinator.
- Co-ordinator for Short Term Course on "Wireless Mobile Communication" Organized by "NITTTR-Chandigarh" from 03.10.2016 to 07.10.2016.
- Co-ordinator for Short Term Course on "Tools for Engineering Research" Organized by "NITTTR-Chandigarh" from 30.01.2017 to 03.02.2017.
- Co-ordinator for Awareness programme on "Robotics" on 29.08.2017.
- Co-ordinator for "National Inventors Day" celebration event on 11.02.2016.
- Co-ordinator for "Blood Donation Camp" on 10.10.2017.
- Event Co-ordinator for Engineer's day celebration, National Level Technical Symposium APOGEE.
- Organizing Committee member for organizing IEEE Project expo, National Conference, IEEE International conference.
- Event organized for tarunyam from 2013.
- Organized Guest Lecture on "Neural Networks & its Applications" on 19.01.2016.
- Organizing Committee member for "International Conference on Emerging Trends in Electronics Communication and Computing Technology", from 5th & 6th May, 2016.
- Organised Guest Lecture on "C Programming & MS-Office" on 01.11.2017.
- Organised National workshop on "Effective Teaching & Learning Methodology" on 19.02.2016.
- Organized International Women's Day Celebration- 2015, 2016.
- Prepared Department Performance Academic Index (DAPI) for the year 2019-20.
- Prepared Department NAAC Self Study Report (SSR) – Criteria-II -2022.

EXPERIENCE:

- Worked as **Lecturer** at Thirumalai Engineering College, Kanchipuram, Tamilnadu from 02nd July 2007 - 30th August 2009.
- Working as **Assistant Professor** at Sri Chandrasekhendra Saraswathi Viswa MahaVidyalaya (SCSVMV), Kanchipuram, Tamilnadu from 31st August 2009 to till date.

RESOURCE PERSON DETAILS:

1. Resource person for National Seminar on "Modern Wireless Communication Systems" at Sri Ramakrishna Polytechnic, Arakkonam, Vellore on 20th February 2016.
2. Resource person for National Seminar on "Wireless Systems" at Sri Ramakrishna Polytechnic, Arakkonam, Vellore on 10th September 2016.
3. Resource person for National Seminar on "Modern Trends in Wireless Systems" at Sri Ramakrishna Polytechnic, Arakkonam, Vellore on 12th December, 2017.
4. Resource person for National Seminar on "Modern Trends in Communication Engineering" at Sri Ramakrishna Polytechnic, Arakkonam, Nemili on 07.03.2020.
5. Resource person for National Seminar on "Trends in Wireless Communication" at Sri Ramakrishna Polytechnic, Arakkonam, Nemili on 18.06.2022.

QUESTION PAPER SETTING/ EVALUATION DETAILS:

- Examiner for B.E/B.Tech/M.Tech-Semester Examinations, Bharath Institute of Higher Education and Research: BIHER, Chennai.
- Evaluator for B.E/B.Tech – Semester Examinations, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai.
- University Observer for UG/PG Theory Examinations, Aarupadai Veedu Institute of Technology (AVIT)- Vinayaka Missions University, Chennai.
- Examiner for B.E/B.Tech-Semester Examinations, Aarupadai Veedu Institute of Technology (AVIT)- Vinayaka Missions University, Chennai.
- Question paper setter for B.E/B.Tech-Semester Examinations, K.Ramakrishnan College of Engineering (AUTONOMOUS), Tiruchirappalli.

JOURNAL REVIEWER DETAILS:

- Reviewer for International Journal of Computers & Technology
- Reviewer for Journal of Advances in Natural Sciences

DECLARATION:
I hereby declare that the above-furnished details are true and correct to the best of my Knowledge.

Place: Kanchipuram
Date: 20/10/2022

Yours Faithfully

(M.A.ARCHANA)