

Dr.T.Dinesh Kumar

Assistant Professor
Department of Electronics & Communication Engineering
Sri Chandrasekharendra Saraswathi Viswa MahaVidyalaya
[SCSVMV] Deemed to be University
Enathur, Kanchipuram, TamilNadu-631561



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OBJECTIVES:

Aim to be placed in a challenging organization that gives me scope to update my knowledge & skills in accordance with the latest trends and be a part of team that dynamically works towards growth of organization thereof.

ACADEMIC QUALIFICATION:

Name of the course	Board/ Year of passing	Name of the Institution	Percentage
Ph.D	SCSVMV-2021	SCSVMV University	
M.E.(Communication Systems)	Anna University - 2010	Ranipettai Engineering College-Walajahpet	74%
B.E.(E.C.E)	Anna University - 2008	Ranipettai Engineering College-Walajahpet	78%
H.S.C	State Board - 2003	Assisi Matric Higher Secondary School-Chennai	79%
S.S.L.C	Matriculation -2001	Assisi Matric Higher Secondary School-Chennai	81%

Ph.D THESIS TITLE “A MODIFIED BRAIN STORM OPTIMIZATION APPROACH FOR PERFORMANCE ESTIMATION OF MULTI CARRIER-CDMA SYSTEM IN FREQUENCY SELECTIVE FADING CHANNEL”

MEMBERSHIP:

1. Member of IRED (Institute of Research Engineers and Doctors)
2. Member of IAENG(International Association of Engineers)
3. Member of ISRD (International Society For Research and Development)
4. Member of IAER(International Association of Educators & Researchers)
5. Member of ICSES (International Computer Science & Engineering Society)

COMPUTER EXPOSURE:

Operating Systems : Windows (98, xp, 2000, 7, 8), Linux

Languages : C

Applications : MS- Office

AREAS OF INTEREST:

- Wireless communication
- Electromagnetic Fields
- Signal Processing
- Wireless Networks

SUBJECTS TAUGHT:

- Optical Communication
- Network Theory & Transmission Lines
- Electromagnetic Theory & Waveguides
- Data Communication Networks
- Microwave Engineering
- Principles of Communication
- Digital Electronics
- High Speed Networks

- Broadcasting & Telecasting Systems
- Medical Electronics
- Digital Communication

PROJECT DETAILS:

- Automatic Water Tank Management System using Arduino sponsored by SCSVMV.
- Low Power ASIC Design for Wireless Standards at Post Graduation Level.
- SPIHT Image Compression at Under Graduation Level.

JOURNAL PUBLICATIONS:

1. M.A.Archana, **T. Dinesh Kumar** and Dr. C. Parthasarathy, "Utilization of Framework for Wireless Service Providers 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, **T. Dinesh Kumar** 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)
4. **T. Dinesh Kumar**, and Dr. P. Venkatesan, 'A Review of Equalizers for Frequency Selective Fading over OFDM channels', *International Journal of Advance Research in Science and Engineering*, ISSN: 2319-8354, Vol.7,no. 02,pp.729-736, January 2018.(UGC Approved)
5. **T. Dinesh Kumar** and Dr. P. Venkatesan "Pre-Equalization Technique in Multi-Carrier CDMA Method for Frequency Selective Fading over Wireless Communication Channels," *International Journal of Recent Technology and Engineering*, ISSN: 2277-3878, Vol no 8, Issue no.1, pp.1582–1585, May 2019.(Scopus Indexed)
6. **T. Dinesh Kumar** and Dr. P. Venkatesan "Performance Estimation of Multi Carrier-CDMA for Single/Multi-User detection in Frequency Selective Fading over Wireless Communication Channels" *International Journal on Emerging Technologies*, ISSN: 0975-8364, Vol no. 10, Issue no.2, pp.159-166, July 2019. (Scopus Indexed)
7. **T. Dinesh Kumar** and Dr. P. Venkatesan Paper entitled "Performance Estimation of PTS based PAPR reduction with CFO optimization of Multi Carrier CDMA system over frequency selective fading channel", *International Journal of Scientific & Technology Research*, ISSN: 2277-8616, Vol no. 8, Issue no. 8, pp. 1146-1152, August 2019. (Scopus Indexed)
8. **T. Dinesh Kumar** and Dr. P. Venkatesan "Performance Estimation of Multi Carrier CDMA Using Adaptive Brain Storm Optimization for 5G Communication System in Frequency Selective Fading

Channels”, *Transactions on Emerging Telecommunication Technologies*, ISSN:2161-3915 Vol.31,no.4, pp.1-20, April 2020. (SCI indexed)

9. M. A. Archana, **T. Dinesh kumar**, 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.
10. 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.
11. **T. Dinesh Kumar**, P.Ranjan Kumar, P.Tarun Aditya and M.Uma Visweswara Prasad, “IOT Based Air Pollution Monitoring System using Arduino”, *Journal of Xi'an University of Architecture & Technology*, ISSN: 1006-7930, Vol no.13, Issue no.3,pp.293-297,March 2021.
12. **T. Dinesh Kumar**, Vamsi Dhanush and M.Pooja Sri, “IOT Home Automation Using 8051 Microcontroller”, *International Journal of All Research Education and Scientific Methods (IJARESM)*, ISSN: 2455-6211,Vol no. 9, Issue no. 4,pp. 60-68,April -2021.
13. **T. Dinesh Kumar**, N .Vishnu Vardhan , P.A.V.Sainath and Vemula Prasad, “Wearable Anger Monitoring System”, *GIS Science Journal*, ISSN: 1869-9391, Vol no. 8, Issue no. 4, pp.55-61, March 2021.
14. **T.Dinesh Kumar** , P.Venkata Kishore Kumar, T.G.B Vishwa Kishore and N Lakshmi Narasimha, “Voice Assisted Text Reading For Visually Impaired People”, *International Journal of Research Publication and Reviews*, ISSN: 2582-7421, Vol no.2, Issue no. 4, pp.159-163,April 2021.
15. 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.
16. **T.Dinesh Kumar**, M.Chandahas Reddy and N.Chandra Sai Raghav, “Driver Drowsiness Detection using Python” *International Journal of Research Publication and Reviews*, ISSN 2582-7421, Vol no.3, Issue no 2,pp 213-216, February 2022.
17. **T.Dinesh Kumar**, M.Naga Durga Tejaswini and O.Charan Kumar, “Smart Electronic Voting Machine with Face Recognition using Raspberry PI” *International Journal of Research Publication and Reviews*, ISSN 2582-7421, Vol no.3, Issue no 2,pp 248-251, February 2022.
18. **T.Dinesh Kumar**, L. Hemanth Kumar, P. Sai Vijaya Sravan Kumar and V. Rakesh Aditya Sai “Smart Auditorium Automation Using IOT” *International Journal of Research Publication and Reviews*, ISSN 2582-7421, Vol no.3, Issue no 2,pp 248-251, February 2022.
19. **T.Dinesh Kumar**, Achala.Vengal Reddy, Ala.Siva Krishna and K.Venkata Krishna, “Design and Implementation of IOT Based Smart Helmet for Road Accident Detection using Arduino” *International Journal of Research Publication and Reviews*, ISSN 2582-7421, Vol no.3, Issue no3, pp 252-254, February 2022.

CONFERENCE PUBLICATIONS:

1. **T. Dinesh kumar** “A Low Power ASIC Design for Wireless Standards” in the *Proceedings of the National Conference on Information and Security-2010* held at Jeppiaar Engineering College on 05th March, 2010.
2. **T.Dinesh kumar** and J.Vinoth Kumar “Refunding Frame Work for Hybrid Access Femto Cell Network” in the *Proceedings of the National Conference on Advance in Microwave Radar and Communication Engineering* held at Saveetha University on 08th February, 2013.

3. **T. Dinesh kumar** and K.Anitha, "Medium Access Control Layer in IEEE802.11" in the *Proceedings of the National Conference on Network Security*, ISBN :978-81-928100-0-3 organized by SCSVMV University on 29th October, 2013.
4. M.A.Archana, **T.Dinesh kumar** and Dr.C.Parthasarathy, "Secure Routing Protocol in Wireless ADHOC Networking" in the *Proceedings of the 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
5. S.Vijayaraghavan, M.A.Archana, **T. Dinesh kumar** and Dr.C.Parthasarathy, "Novel Vector Quantization for image compression in reconfigurable platform " in the *Proceedings of 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.
6. **T. Dinesh Kumar**, Dr. P. Venkatesan, and Katta Nikhil Kumar, "Error-Rate Analysis of OFDM in Rayleigh Fading Channels" in the *Proceedings of the National Conference on Recent Advances in Information Technology*, ISBN No: 978-81-928100-8-9 organized by SCSVMV University on 29th January ,2015.
7. M.A.Archana, **T. Dinesh Kumar** and Dr.C.Parthasarathy, "Improving the Throughput under Energy-Constraint in Wireless Mesh Networks" in the *Proceedings of National Conference on Recent Advances in Science, Engineering and Management, NCRASEM - 2015*, organized by Tagore Engineering College-Rathinamangalam, Chennai-600 127, 20th March 2015.
8. **T. Dinesh Kumar** and Dr. P. Venkatesan, "Overview of Carrier Frequency Offset Estimation Technique for Selective Fading" in the *Proceedings of the National Conference on Engineering Trends in Electronics, Communication and Networking (NCETECN '16)*, held at Chennai, organized by Dhanalakshmi College of Engineering, pp.17-21, March 2016.
9. **T. Dinesh Kumar**, Bavani.T and Vishali.G, "GPS less 3D Inertial Navigation System for Multi-Floor Indoor location Tracking" in the *Proceedings of the National Conference on Advanced Communication & VLSI Computing Techniques (NCACVC'16)* organized by SCSVMV, ISBN 978-81-928100-09-2, pp.119-125, 18th March 2016.
10. **T. Dinesh Kumar**, Aparna T.V, Thejaswini.P and Vineela .B, "Reversible Image Data Hiding with Contrast Enhancement" in the *Proceedings of the National Conference on Advanced Communication & VLSI Computing Techniques (NCACVC'16)* organized by SCSVMV, ISBN 978-81-928100-09-2, pp.148-151, 18th March 2016.
11. **T. Dinesh Kumar** and Dr. P. Venkatesan, "A Survey on techniques for Recovery of Signal due to Selective Fading over Wireless Communication" in the *Proceedings of the National Conference on Advanced Communication & VLSI Computing Techniques (NCACVC'16)* organized by SCSVMV, ISBN 978-81-928100-09-2, pp.214-219, 18th March 2016.
12. **T. Dinesh Kumar** and Dr. P. Venkatesan, "Blind Estimation & Compensation of IQ imbalance in OFDM Systems", in the *Proceedings of the International Conference on Emerging Trends in Electronics, Communication and Computing Technology, (ICONTECH'16)*, held at Kanchipuram, organized by SCSVMV, pp.434-440, May 2016.
13. **T. Dinesh Kumar**, B.Vyshnavi, B.Harini and V.Aanada Prasuna, "Facial Recognition System for Atm Asylum using Open CV" 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. 21-24 on 28th March 2017.
14. **T. Dinesh Kumar**, M.Sheela Sai, Shaik Ayesha and P.Ashok Kumar, "Animal Health Examinatory System using Wireless Sensor Networks" 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. 214-222 on 28th March 2017.
15. **T. Dinesh Kumar** and Dr. P. Venkatesan, "A Review of Equalizers for Frequency Selective Fading over OFDM channels" in the *Proceedings of the 13th International Conference on Recent*

Trends in Engineering Science & Management (ICRTESM'18) held at Vedant college of Engineering & Technology, Bundi, ISBN. No: 978-93-86171-93-1, on 21-22 January 2018.

16. **T. Dinesh Kumar** and Dr. P. Venkatesan, 'A Survey of Diversity Techniques for Frequency Selective Fading Channels' in the *Proceedings of the International Conference on Interdisciplinary Research Practices and Applications, (ICIDRPA'18)*, held at Coimbatore, organized by Dhanalakshmi Srinivasan College of Engineering, pp.59-62, March 2018.
17. **T. Dinesh Kumar** and M.A.Archana, "Novel Spurious Power Suppression Technique For Wireless Communication Standards" in the *Proceedings of the National Conference on "Innovative Research on Robotics, Circuits & Technology" (IRCT'18)*, organized by SCSVMV, ISBN: 978-93-87088-23-8, pp 107-113, March 2018.
18. **T. Dinesh Kumar** and Dr. P. Venkatesan, 'Pre-Equalization Technique For MC-CDMA Systems Over Frequency Selective Fading In Wireless Communication Channels', in the *Proceedings of the International Conference on Cognitive Computing, Communication & Informatics Systems (IC3CIS-18)*, held at Chennai, organized by Adhi College of Engineering & Technology, pp.169-176, December 2018.
19. **T. Dinesh Kumar** and Dr. P. Venkatesan, 'MSE Estimation for MC-CDMA Systems over Frequency Selective Fading in Wireless Communication Channels' in the *Proceedings of the International Conference on Electrical, Communication, Electronics, Instrumentation and Computing (ICECEIC) -2019*, held at Kanchipuram, organized by SCSVMV, ISBN: CEP9R88-PRT 978-1-7281-0173-6, pp.159, January 2019.
20. Dr.M.A.Archana and **Dr.T.Dinesh Kumar**, "An Automatic Framework For Vehicle E-Parking System in Smart Cities using the Arduino" *Proceedings of the National Conference 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. 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.
2. 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.
3. 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 October 14, 2022.

WORKSHOPS/ SEMINARS/WEBINARS ATTENDED:

1. Participated in the National Seminar on “Professional Ethics”, Organized by “Ranipettai Engineering college” on 20th September, 2006.
2. Participated in the National Workshop on “Digital System Design using VHDL & Embedded system”, Organized by “Ranipettai Engineering College” during 12th -19th March, 2007.
3. Participated in the National Workshop on “Basic Electronics”, Organized by “ Indian Institute of Technology-Bombay”, during 28th June - 08th July ,2011.
4. Participated in the National Workshop on “Writing Effective Conference Papers”, Organized by “Indian Institute of Technology-Bombay” during 18th -19th February, 2012.
5. Participated in the National Workshop on “National Mathematics Day” Organized by “SCSVMV University” on 29th February, 2012.
6. Participated in the National Workshop on “Advanced Techniques for Mechatronics and Robotics”, Organized by “SCSVMV University” on 15th February, 2013.
7. Participated in the National Workshop on “Research Methodologies From End To End”, Organized by “Thirumalai Engineering College” on 11th May, 2013.
8. Participated in the National Workshop on “Modeling Of Controllers For Power Converters” Organized by “SCSVMV University” on 23rd August, 2013.
9. Participated in the Regional Workshop on “RESEARCH METHODOLOGY”, Organized by “SCSVMV University” on 30th August, 2013.
10. Participated in the National Workshop on “Matlab and Its Applications”, Organized by “SCSVMV University” on 6th September 2013.
11. Participated in the National Workshop on “Latex For Researches”, Organized by “SCSVMV University” on 15th February, 2014.
12. Participated in the National Workshop on “Embedded Systems”, Organized by “SCSVMV University” during 19th - 20th September, 2014.
13. Participated in the National Workshop on “Scilab Training”, Organized by “SCSVMV University” on 9th September, 2014.
14. Participated in the National Seminar on “Enhancement of Quality in Higher Education- Role of Teachers”, Organized by “SCSVMV University” on 30th January, 2015.
15. Participated in the National Workshop on “Shodhganga & Anti-Plagiarism Software”, Organized by “SCSVMV University” on 26th March, 2015.
16. Participated in the International Seminar on “Impact Of Electromagnetic Radiation On Humans” Organized by “SCSVMV University on 6th May, 2015.
17. Participated in the National Workshop on “Embedded Systems” Organized by Pallavan College Of Engineering on 25th July, 2015.
18. Participated in the National Workshop on “Matlab & its application” Organized by “SCSVMV University on 12th October, 2015.
19. Participated in the National Workshop on “Realization Of OFDM For Wireless Communications Using Matlab” Organized by VIT University, Vellore on 17th October, 2015.
20. Participated in the National Workshop on “Design and Implementation Of Power Electronic Converters Using Matlab” Organized by “SCSVMV University on 5th February, 2016.
21. Participated in the National Workshop on “Effective Teaching & Learning Methodology” Organized by “SCSVMV University on 18th February, 2016.
22. Participated in the National Seminar on “Research Techniques”, Organized by “SCSVMV University” on 26th February, 2016.
23. Participated in the National Seminar on “Internal Quality Assurance”, Organized by “SCSVMV University” on 12th August, 2016.

24. Participated in the National Workshop on “Quality Enrichment Programme II” Organized by “SCSVMV University on 20th September, 2016.
25. Participated in the National Seminar on “Emerging Trends in Pure and Applied Mathematics”, Organized by “SCSVMV University” on 24th February, 2017.
26. Participated in the National Workshop on “Research Innovation and Intellectual Property Rights” Organized by “SCSVMV University on 24th March, 2017.
27. Participated in the National Workshop on “Web Training Programme on Urkund: Anti plagiarism software”, Organized by SCSVMV University on 16th November, 2017.
28. Participated in the National Workshop on “Awareness Program on Intellectual Property Rights and Patents”, Organized by SCSVMV University on 22nd February, 2018.
29. Participated in the National Workshop on “Awareness Program on Research Grant Through Funding Agencies”, Organized by SCSVMV on 22nd August, 2018.
30. Participated in the National Workshop on “IOTs a Hands on Tutorial & Design of Passive Components for Wireless Applications” Organized by Indian Institute of Information Technology, Sricity on 6th October, 2018.
31. Participated in the International Workshop on “Graph Theory and its Application”, Organized by SCSVMV during 20th -21st December, 2018.
32. Participated in the International Seminar on “Complex Analysis” Organized by SCSVMV University on 22nd March, 2019.
33. Participated in the DST Sponsored Three Days National Seminar on “Advanced Technologies in Wireless Sensor Networks” Organized by MIC College of Technology, Krishna District, Andhra Pradesh during 13th June to 15th June, 2019.
34. Participated in the National Workshop on “Intellectual Property Rights” Organized by SCSVMV on 10th February, 2020.
35. Participated in the webinar on “Building Neural Network in Simple Way”, organized by Codegnan IT solutions OPC pvt ltd on 21st April ,2020.
36. Participated in the webinar on “Linear Regression using python”, organized by Codegnan IT solutions OPC pvt ltd on 23rd April ,2020.
37. Participated in the webinar on “Building Probabilistic Classifier using SCIKIT”, organized by Codegnan IT solutions OPC pvt ltd on 27th April ,2020.
38. Participated in the webinar on “Building API with Python”, organized by Codegnan IT solutions OPC pvt ltd on 29th April ,2020.
39. Participated in the webinar on “ELECTRIC VEHICLES – OPPORTUNITIES” Organized by Karpaga Vinayaga Col lege of Engineering and Technology in association with CADD Centre on 30th April 2020.
40. Participated in the webinar on “Machine Learning with SCIKIT”, organized by Codegnan IT solutions OPC pvt ltd on 01st May,2020.
41. Participated in the webinar on “Oppurtunities for Engineers and Expectations from Industry” Organized by Chennai Institute of Technology on 02nd May,2020.
42. Participated in the webinar on “Build your Career with Data Science”, organized by Codegnan IT solutions OPC pvt ltd on 03rd May,2020.
43. Participated in the webinar on “E-Vehicle Design” organized by Hindusthan Institute of Technology and Science on 15th May,2020.
44. Participated in the webinar on “Online Teaching Learning Methods”, organized by Sinhgad Institute of Technology, Lonavala, India, on 5th May, 2020.
45. Participated in the Industrial Expert webinar on “E-VEHICLES” organized by Jai Shriram Engineering College,Tirupur on 5th May, 2020.
46. Participated in the webinar on “Faculty Program on NBA” organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai on 13th May, 2020.

47. Participated in webinar on “Industrial Automation using SCADA & DCS” organized by Department of Electronics Instrumentation Engineering, SCSVMV, Kancheepuram on 16th May, 2020.
48. Participated in the webinar on “IPR Building Awareness & Capturing Values” organized by Karpagam College of Engineering on 18th May, 2020.
49. Participated in the webinar on “A guide to successful IoT Development Product” organized by Dr.N.G.P Institute of Technology on 23rd May, 2020
50. Participated in webinar on “Research Methodology” organized by Gnanamani college of Technology on 31st May, 2020.
51. Participated in the webinar on “Swarm Intelligence Algorithm” organized by the Department of Electronics and Instrumentation Engineering, St.Joseph’s College of Engineering, in association with ISA Student Chapter on 03rd July 2020.
52. Participated in the webinar on “Awareness of National Education Policy-2020” organized by SCSVMV, Kancheepuram on 27th September, 2020.
53. 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.
54. 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.
55. Participated in the National Webinar on “UGC CARE Indexing Journal List” organized by Progress with Prof.Mahamani, YouTube channel on 18th July, 2021.
56. Participated in the National Webinar on “Introduction to Patents” Organised by Department of Computer Science and Engineering,SCSVMV and SOLUTIONS4URIP on 24th July, 2021.
57. 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.
58. Participated in the National Webinar on “Outcome Based Education” organised by IQAC , SCSVMV on 21st October,2021.
59. Participated in the National Webinar on “Data Science and its applications” organised by Social Development Federation, Agra, U.P. on 01st January,2022.
60. Participated in the National Workshop on “Recent Trends in Radar Signal Processing” organised by the Department of Electronics and Communication Engineering, Gayatri Vidya Parishad College of Engineering for Women and technically sponsored by IETE, New Delhi from 3rd to 5th January, 2022.
61. 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.
62. Participated in the National Workshop on ‘Writing & Publishing Scientific Articles’ Organized by IQAC cell, SCSVMV University,Enathur on 01st July 2022 .
63. 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.
64. 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.
65. 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.

66. 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.
67. Participated in the National Lecture on “Innovation and Prototype Validation -Converting Innovation into Startup” organized by COER, Roorkee on 27th August,2022.
68. 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.
69. 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 AICTE Sponsored Faculty Development Programme on “Trends in Wireless Communication Technology and Evolution of Simulation Tools”, Organized by VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad during 11th - 23rd May 2015.
2. Participated in the National Faculty Development Programme on “Parallel Processing”, Organized by SCSVMV University on 2nd July, 2015.
3. Participated in the National Faculty Development Programme on “Embedded System Design Using Arduino”, Organized by “NIELIT-Chennai” during 19th -25th February, 2016.
4. Participated in the National Faculty Development Programme on “Tools, Trends & Research Challenges in Network Infrastructure Security and Applications” Organized by SCSVMV University during 24th - 25th March, 2016.
5. Participated in the National Faculty Development Programme on “Recent Trends and Tools in Modern Wireless and Digital Communication Networks” Organized by SCSVMV University during 26th June -1st July, 2016.
6. Participated in the National Faculty Development Programme on “Introduction to Big Data Analytics” Organized by SCSVMV University during 22nd - 23rd December, 2017.
7. Participated in the National Faculty Development Programme NKN Summer course on “Advancements in Signal Processing and Optimization Techniques” Organized by E&ICT Academy, IIITDM Jabalpur during 3rd June to 7th June,2019.
8. Participated in the Online FDP on “Recent Trends in Electronics Industry” organized by Annamachari Institute of Technology and sciences from 18th to 23rd May, 2020
9. Participated in the Online FDP on “Future Outlooks of Advanced Communication and Signal Processing”, organized by Department of Electronics & Communication Engineering, Bapatla Engineering College,Andhra Pradesh from 25th to 29th May, 2020.
10. 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.
11. 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.
12. 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.
13. 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.

14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. Participated in the Faculty development programme on "Innovative Mathematical Techniques in Research" organised by Sathyabama Institute of Science and Technology , Chennai from 1st-6th August, 2022.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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
26. 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.
27. Participated in the one week Faculty Development Programme on "Amazon Web Services" organised by GMR Institute of Technology, Rajam, from 22nd -27th August, 2022.
28. 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 to 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 to 1st April, 2016.

3. Participated in the AICTE recognized Short Term Course on “Optical Fiber Communication through ICT”, Organized by “NITTTR-Chandigarh” from 5th to 9th September, 2016.
4. Participated in the AICTE recognized Short Term Course on “Wireless and Mobile Communication through ICT”, Organized by “NITTTR-Chandigarh” from 3rd to 10th October, 2016.
5. 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 to 11th November, 2016.
6. Participated in the AICTE recognized Short Term Course on “Tools for Engineering Research through ICT”, Organized by “NITTTR-Chandigarh” from 30th January to 03rd February 2017.
7. Participated in the AICTE recognized Short Term Course on “5G Technology and Applications” Organized by “Coimbatore Institute of Technology” from 28th May to 03rd June 2018.
8. Participated in the AICTE recognized Short Term Course on “IOT in Manufacturing through ICT”, Organized by “NITTTR-Chandigarh” from 15th to 17th October, 2018.
9. 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.
10. Participated in the AICTE recognized Short Term Course on “Wireless Propagation through ICT”, Organized by “NITTTR-Chandigarh” from 25th February to 1st March, 2019.
11. Participated in the AICTE recognized Short Term Course on “Electric Vehicle Technology” Organized by “NITTTR-Chandigarh” from 26th August to 30th August 2019.
12. Participated in the AICTE recognized Short Term Course on “Data Science using R” Organized by “NITTTR-Chandigarh” from 14th October to 18th October 2019.
13. Participated in the Online Training Programme on “Sensor Applications using my RIO” Organized by “NITTTR-Chennai” from 21st February to 25th February 2022.

CERTIFICATION COURSES:

1. Awarded Elite and Successfully Completed the NPTEL online certification course on “Principles of Signal Estimation for MIMO/OFDM Wireless Communication” during July to October, 2018.
2. Awarded Elite and Successfully Completed the NPTEL online certification course on “Basics of Software Defined Radio and Practical Applications” during January to February, 2019.

ADDITIONAL RESPONSIBILITIES:

- Member in Industry-Institution Partnership Cell.
- Member in University Convocation Transport Committee 2011-12.
- Member in University Convocation Seating Committee 2012-18.
- Member in Study Material Development Committee 2012-14.
- Member in Annual Stock Verification committee 2017-19.
- Member in Library Stock Verification committee 2017.
- Member in University Admissions 2015, 2016.
- Member in University Placement Activity 2011-13.
- Member in departmental Students Affair committee during 2018-19.
- Member of departmental Students Colloquium committee during 2018-19.
- Member in design of curriculum and syllabus for updating of course in AICTE regulations.
- Member in department NBA committee 2022.
- Member in department Board of Studies 2022-2024.

- Department Library In charge, Class-In charge, Students Mentor, Website updating Co-ordinator, Placement Co-ordinator, Time Table Co-ordinator, Result Analysis Co-ordinator, Department Online Academic Co-ordinator, Department Examination Cell Co-ordinator, Department IQAC Co-ordinator.
- Co-ordinator for “National Conference on Recent Advancements in VLSI, Signal Processing & Communication (RAVSC-2015) on 21st February, 2015.
- Co-ordinator for National Conference on “Advance Communication & VLSI Computing Techniques (NCACVC’16) on 18th March, 2016.
- Co-ordinator for “Recent Trends & Tools in Modern Wireless & Digital Communication Networks” from 27th June to 1st July, 2016.
- Co-ordinator for Short Term Course on “Entrepreneurship and Business Incubation using Blue Ocean Strategies” Organized by “NITTTR-Chandigarh” from 07-11-2016 to 11-11-2016.
- Co-ordinator for Hands on Training programme on “Smart Phone Service-Repair” from 05.10.2017 to 06.10.2017.
- Co-ordinator for NSTEDB sponsored under DST-NIMAT project on “Entrepreneurship Awareness Camp” from 09.08.2017 to 11.08.2017.
- Co-ordinator for Awareness programme on “Robotics” on 29.08.2017.
- Co-ordinator for Short Term Course on “Next Generation Wireless technologies through ICT”, Organized by “NITTTR-Chandigarh” from 26th to 30th November, 2018.
- Co-ordinator for Short Term Course on “Wireless Propagation through ICT”, Organized by “NITTTR-Chandigarh” from 25th February to 1st March, 2019.
- Co-ordinator for online Webinar on “LIFE at IT”, Organized by SCSVMV on 10-06-2020.
- Co-ordinator for online Webinar on “MACHINE LEARNING - WHY & HOW ”, Organized by SCSVMV on 20-06-2020.
- Co-ordinator for online Webinar on “ROLE OF DEEP NETWORKS IN COVID-19 TESTING”, Organized by SCSVMV on 29-06-2020.
- Co-ordinator for online Webinar on “THE FUTURE OF ENGINEERING” , Organized by SCSVMV on 14-07-2020.
- Co-ordinator for online ENGINEERING QUIZ on “BASICS OF COMMUNICATION SYSTEMS”, Organized by SCSVMV from 15-06-2020 to 20-06-2020.
- Co-ordinator for online ENGINEERING QUIZ on “BASICS OF ELECTROMAGNETIC FIELDS & WAVEGUIDES”, Organized by SCSVMV from 01.06.2020 to 01.06.2020.
- Co-ordinator for TELUGU NEW YEAR Ugadi celebrations-2022 on 01.04.2022.
- Event Co-ordinator for Engineer’s day celebration-2018, Engineer’s day celebration-2022, National Level Technical Symposium APOGEE.
- Organizing Committee member for organizing IEEE Project expo, IEEE International conference
- Event Organizing for Tarunyam 2015.
- Organized Guest Lecture on “Neural Networks & its Applications” on 19.01.2016.
- Organized Five days National Level Faculty Development Programme on “Design of Embedded Systems” from 19, 22 to 25 February, 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.
- Prepared department NAAC PPT Report-2017.
- Prepared department profile for the year 2017-18.
- Prepared department Admission Brochure 2020-21.
- Prepared Department Performance Academic Index (DAPI) for the year 2020-21.
- Prepared Department Evaluation Report for the year 2021-22.
- Prepared Department Activity Report (01.03.2020 to 31.05.2021)
- Prepared Department NAAC PPT Report-2022.
- Prepared Department NAAC Self Study Report (SSR) – Criteria-II -2022.
- Prepared NAAC Self Study Report (SSR) -EXECUTIVE SUMMARY-2021.

EXTRA CURRICULAR ACTIVITIES:

- Participated in the crusade against “Leprosy & Resource Mobilisation Movement”, Organized by “Indian Students Leprosy Foundation” on 2nd December, 1998.
- Appreciated for the outstanding performance in the “Inter School Competition on Peace and Progress” Organized by “Vel’s Vidyashram” on 11th October, 2001.
- Awarded the title “PROF.MATHS” for the outstanding performance in “PROF.MATHS CONTEST”, Organized by “KOLBRO Group, Chennai” on 3rd November, 2001.
- Participated in the “State Level Science Talent Search Exam”, Organized by “Velammal Educational Trust in association with Tamil Nadu Science and Technology Centre”, during 2002-03.
- Participated in the “National Service Scheme in the Ten-Day Special Camping Programme on the Theme YOUTH FOR CLEANLINESS” Organized at Thirumalaicherri Village by ANNA UNIVERSITY, Chennai during 24th March - 02nd April, 2005.
- Appreciated for the “Voluntary Blood Donation Camp in Service to the Suffering Patients” organized by “TAMIL NADU STATE AIDS CONTROL SOCIETY & TAMIL NADU STATE BLOOD TRANSFUSION COUNCIL” at Gudiyatham on 29th November, 2009.
- Awarded Second place (runner) for the sports event Volley Ball at SPARDHA 2017 organised by SCSVMV during March 2017.

EXPERIENCE:

- Worked as LECTURER in Kanchi Pallavan Engineering College, Kanchipuram, TamilNadu, India from 16-06-2010 to 30-10-2010.
- Working as ASSISTANT PROFESSOR in Sri Chandrasekhendra Saraswathi Viswa MahaVidyalaya [SCSVMV] Deemed to be University, Enathur, Kanchipuram, TamilNadu, India-631561 from 01-11-2010 till date.

RESOURCE PERSON DETAILS:

- Resource person for National Seminar on “Modern Wireless Communication Systems”, at Sri Ramakrishna Polytechnic, Arakkonam, Vellore on 20.02.2016
- Resource person for National Seminar on “Wireless Systems”, at Sri Ramakrishna Polytechnic, Arakkonam, Vellore on 10.09.2016
- Resource person for National Seminar on “Modern Trends in Wireless Systems” at Sri Ramakrishna Polytechnic, Arakkonam, Vellore on 12.12.2017.
- Resource person for National Seminar on “Modern Trends in Communication Engineering” at Sri Ramakrishna Polytechnic, Arakkonam, Nemili on 07.03.2020.
- Resource person for National Seminar on “Trends in Wireless Communication” at Sri Ramakrishna Polytechnic, Arakkonam, Nemili on 18.06.2022.
- Resource person for National Tech Talk Series-I on “Introduction to IoT” at Dhaanish Ahmed Institute of Technology, K.G.Chavadi, Coimbatore on 23.09.2022.

QUESTION PAPER SETTING/ EVALUATION DETAILS:

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

JOURNAL REVIEWER DETAILS:

- Reviewer for Journal of Network and Computer Applications.
- Reviewer for Journal of Information and Telecommunication.
- Reviewer for African Educational Research Journal.

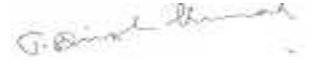
DECLARATION:

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

Place : Kanchipuram

Yours Faithfully,

Date : 20.10.2022



(T.DINESHKUMAR)