Dr. Lakshmanan. M

Professor and Dean IQAC
Sri Eshwar College of Engineering,
Coimbatore,
Tamilnadu, India

Email: tmlakshmanan@gmail.com
        tmlakshtm@gmail.com
Ph: +91-9659553557

Academic Profile:

- Ph. D (Wireless Communication and Networks)
  VIT University, India

- M.E. (Communication Systems)
  Anna University, India
  Percentage: 82%

- B.E. (Electronics and Communications Engineering)
  Madras University, India
  Percentage: 73%

Administrative Profile:

- NAAC Assessor from 2023

Certifications

- **"HCIA Certification on Cloud Computing"** through Huawei Technologies Co. Ltd.
- Completed the course **"AI for Everyone"** through Coursera.

Professional Experience:

- June 2023 to Till Date – **Professor and Dean IQAC** in Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India
- January 2018 to May 2023 – **Professor and Director IQAC** in Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh, India
- January 2017 to May 2023 – **Professor and Head of ECE Department** in Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh, India
- June 2007 to December 2016 – **Associate Professor to Lecturer** in VIT University, Vellore, Tamilnadu, India
- July 2006 to May 2007 – **Lecturer** in Rajalakshmi Engineering College, Chennai, Tamilnadu, India
- December 2001 to July 2004 – **Lecturer** in Mahendra Engineering College, Tiruchengode, Tamilnadu, India
- July 2001 to September 2001 – **Lecturer** in M. Kumarasamy College of Engineering, Karur, Tamilnadu, India

Leadership Experience:

- July 2022 to Till Date – **Executive Committee Member** of **IETE Noida Section**.

Academic and Administrative Responsibilities

- Serving as a **Mentor to Professional Institutions for Quality Improvement**, offering expert guidance in accreditation processes for **NBA, NAAC, and ABET**, as well as ranking processes for **NIRF and QS**. In this capacity, I provide strategic support to institutions seeking to enhance their quality management systems and meet rigorous international standards. My role involves advising on best practices for accreditation preparation, assisting in the development and implementation of quality improvement strategies, and facilitating workshops and training sessions. Through these efforts, I help institutions navigate complex accreditation requirements, achieve compliance, and foster a culture of excellence and continuous improvement. My mentorship significantly contributes to the institutions' successful accreditation outcomes, elevate their academic standards, and advance their overall academic and operational advancement, ultimately leading to greater recognition for their commitment to excellence.

- Serving as the **Dean IQAC** at Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu, India, from June 2023 to the present. In this role, I lead quality assurance initiatives and collaborate with all departments to set benchmarks and streamline processes aimed at fostering continuous improvement. My responsibilities include enhancing the institution's global and national rankings, securing prestigious NBA and NAAC accreditations, and ensuring adherence to quality standards. By spearheading these efforts, I aim to elevate the institution's academic and operational excellence, driving its commitment to superior education and research.

- Served as the **Director IQAC** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh, India, from January 2018 to May 2023. In this multifaceted role, I was responsible for leading and managing accreditation and assessment processes to ensure the institution's compliance with national and international standards. I worked closely with faculty and administrative staff to develop and implement strategies for quality enhancement, accreditation preparation, and continuous improvement. My efforts played a crucial role in maintaining and elevating the institution's academic standards, securing favorable accreditation outcomes, and improving the college's national and global rankings. Through these initiatives, I contributed to strengthening the institution's reputation, fostering a culture of continuous improvement, and promoting excellence in education.

- Served as the **NAAC Coordinator** for the School of Electronics and Communication Engineering at VIT University, Vellore, Tamil Nadu, India. In this capacity, I was responsible for guiding the school through the NAAC accreditation process, ensuring compliance with quality benchmarks, and driving continuous improvement in academic and administrative practices. My role involved close collaboration with faculty and administration to uphold the highest standards of education and to enhance the program's academic reputation on both national and international levels.

- Served as the **ABET Coordinator** for the B. Tech Electronics and Communication Engineering Program at VIT University, Vellore, Tamil Nadu, India. In this role, I was instrumental in leading the program through the rigorous ABET accreditation process, ensuring that it met the highest international standards of engineering

education. My responsibilities included coordinating with faculty, aligning curriculum and assessment methods with ABET criteria, and fostering a culture of continuous improvement. This effort significantly contributed to enhancing the program's global recognition and ensuring that graduates were well-prepared to meet the demands of the engineering profession worldwide.

- Served as the **Controller of Examination** for the School of Electronics and Communication Engineering at VIT University, Vellore, Tamil Nadu, India. In this capacity, I oversaw the entire examination process, from planning and scheduling to the secure administration of exams. My role involved implementing best practices to maintain the integrity and fairness of the examination system, coordinating with faculty for the seamless conduct of assessments, and addressing any challenges that arose during the examination period. Through these efforts, I ensured that the examination process upheld the highest standards of academic rigor and transparency, contributing to the credibility and reputation of the school.

Achievements

- Sri Eshwar College of Engineering **ranked 32th** in **Data Quest,** and **Diamond Band** in **OBE** & **Green Rankings** for the year **2025.**
- Sri Eshwar College of Engineering **ranked in 201 – 300 Band** under the category Engineering Colleges in **NIRF Ranking** for the year **2024.**
- Sri Eshwar College of Engineering **ranked 39th** in **Data Quest,** and **Gold Band** in **OBE** & **Green Rankings** for the year **2024.**
- Spearheaded **quality initiatives and coordinates** with all the departments in Sri Eshwar College of Engineering, **sets benchmarks and streamlined the processes** in order to enable continuous improvements.
- Galgotias College of Engineering and Technology **ranked in 151 – 200 Band** under the category Engineering Colleges in **NIRF Ranking** for the year **2023.**
- Galgotias College of Engineering and Technology **ranked in 151 – 300 Band** under the category Innovation in **NIRF Ranking** for the year **2023.**
- Galgotias College of Engineering and Technology **ranked 192** under the category Engineering Colleges in **NIRF Ranking** for the year **2022.**
- Improvement in **Number of Scopus indexed publications, Sponsored Research projects,** and **Patents Published/Granted** at Galgotias College of Engineering and Technology, Greater Noida, India
- B. Pharm and MBA of Galgotias University, Greater Noida, India have been Provisionally **Accredited by NBA** for **three years** from **July 2021 to June 2024** under my **mentorship**.
- B. Tech CSE, IT, EEE, EE and CE of Galgotias College of Engineering and Technology, Greater Noida, India have been Provisionally **Accredited by NBA** for **three years** from **July 2021 to June 2024** during my tenure as **Director IQAC**, Galgotias College of Engineering and Technology, Greater Noida, India.
- B. Tech ECE of Galgotias College of Engineering and Technology, Greater Noida, India has been **Accredited by NBA** from **July 2017 to June 2024** during my tenure as **Head of ECE Department**, Galgotias College of Engineering and Technology, Greater Noida, India.

- Established Centre of Excellence **"HUAWEI ICT Academy"** of **HUAWEI Telecommunications Private Limited, China** at Galgotias College of Engineering and Technology, Greater Noida, India successfully running from **2019 to till date**.
- B. Tech ECE of VIT University, Vellore, India has been **Accredited by ABET** for **five years** from **June 2012 to June 2017** during my tenure as **ABET Coordinator in 2012**, School of Electronics Engineering, VIT University, Vellore, India.

Professional Society Memberships:

- Senior Member in IEEE (90879786)
- Fellow in Institution of Electronics and Telecommunication Engineers (IETE) (F501399) and Executive Committee Member of IETE Noida Section from July 2022.
- Fellow in Institution of Engineers (India) (IEI) (F-1276146)
- Life Member in Indian Society for Technical Education (ISTE) (LM38738)
- Member in Association for Computing Machinery (ACM) (5698744)
- Life Member in International Association of Computer Science and Information Technology (IACSIT) (80340597)
- Life Member in International Association of Engineers (IAENG) (204497)
- Senior Member in Universal Association of Computer and Electronics Engineers (UACEE) (SNM10100059180)

Field of Interest:

- Deep Learning and Machine Learning
- Artificial Intelligence
- Wireless Communication and Networks
- Digital Communication
- Information Theory and Coding Techniques
- Probability Theory and Random Process
- Signal and Image Processing

Skill Set:

Language   : C, C++, Python, Latex
Simulation tools   : MATLAB, ns-2, ns-3, Netsim, Maple, Mathematica, CST

Ph.D. Guidance:

Number of candidates awarded   : 02
Number of candidates ongoing   : 06

Sponsored Projects

S. No	Title of the Project	Funding Agency	Sanctioned Amount	Sanctioned Date	Duration	Status
1	Empirical Channel Model for Electromagnetic Nano Communication System	Visvesvaraya Research Promotion Scheme, AKTU, Lucknow, Uttar Pradesh, India.	Rs. 5,00,000	29.06.2020	2 Years	Completed

Patents Filed:

S. No	Title	Application No. & Date	Country	Year	Status
1	Hybrid Quantum Asynchronous Processor (HQAP) with QCEP	201911031043 & 01/08/2019	India	2019	Filed & Published
2	IoT based Smart Monitoring and Controlling of Gas Stove and Gas Cylinder	202041049866 & 16/11/2020	India	2020	Filed & Published
3	A Quality of Service Load Balanced Connected Dominatingset-Stochastic Diffusion Search (CDS-SDS) Network Backbone for MANET	202041049905 & 16/11/2020	India	2020	Filed & Published
4	An Artificial Intelligence Based System for Proactive Network Security	2020104405 & 30/12/2020	Australia	2020	Granted
5	Interferers Counting Distribution Under Given Channel Conditions	202111000133 & 04/01/2021	India	2021	Filed & Published
6	An IOT based Tyre Pressure and Temperature Monitoring System	2021100287 & 17/01/2021	Australia	2021	Granted

Consultancy:

S. No	Title of the Project	Funding Agency	Sanctioned Amount	Sanctioned Date	Duration	Status
1	NAAC Accreditation	Global Institute of Technology, Vellore, Tamilnadu, India	Rs. 6,50,000	25.07.2023	1 Year	Completed
2	NAAC Accreditation	Ganadipathy Tulsi's Jain Engineering College. Vellore, Tamilnadu, India	Rs. 6,50,000	03.02.2025	1 Year	Ongoing

Publications in National/International Journals and Conferences:

Total Number of Publications in Journals	: 38
Total Number of Publications in SCI/SCIE Journals	: 14
Number of Publications in Scopus Indexed Journals	: 29
Number of Publications in Non - Scopus Indexed Journals	: 09
Total Number of Publications in Conferences	: 55
Number of Publications in Scopus Indexed Conferences	: 41
Number of Publications in Non - Scopus Indexed Conferences	: 13

Publications in National/International Journals:

- **"Pointing error influence on the performance of dual-hop radio frequency/wireless optical communication system over Nakagami-m/Fisher-Snedecor turbulence channels"** – Rekha Rani, **Lakshmanan. M,** Anup Kumar Mandpura, and N. Jayanthi, Published in **Photonic Network Communications,** ISSN 1387-974X (Print) 1572-8188 (Online), Vol – 49, No: 2, 2025, pp. **(SCI/Scopus) (IF = 1.8)** (DOI: https://doi.org/10.1007/s11107-025-01028-9)

- **"Unified Performance Analysis of Dual-Hop Radio Frequency/Free Space Optical System"** – **Lakshmanan. M,** Rani. R, Jayanthi. N**,** Published in **Wireless Personal Communications,** ISSN 0929-6212 (Print) 1572-834X (Online), Vol – 139, No: 2, 2024, pp. 899 – 919. **(SCI/Scopus) (IF = 1.9)** (DOI: https://doi.org/10.1007/s11277-024-11646-7)

- **"Performance Investigation of Molecular Nano Communication Over Channels Under Dynamic Scenarios"** – Srishti Kumari, Swati Singh, Rajneesh Kumar Singh, V. K. Pandey, Dinesh Kumar Singh, S. Pratap Singh and **Lakshmanan. M,** Published in **Wireless Personal Communications,** ISSN 0929-6212 (Print) 1572-834X (Online), Vol – 131, No: 1, 2023, pp. 471 – 488. **(SCI/Scopus) (IF = 1.9)** (DOI: https://doi.org/10.1007/s11277-023-10440-1)

- **"VLSI Implementation of Error Correction Codes for Molecular Communication"** – S. Pratap Singh, Ruchi Rai, Shashank Awasthi, Dinesh Kumar Singh and **Lakshmanan. M**, Published in **Wireless Personal Communications,** ISSN 0929-6212 (Print) 1572-834X (Online), Vol – 130, No: 4, 2023, pp. 2697 – 2713. **(SCI/Scopus) (IF = 1.9)** (DOI: https://doi.org/10.1007/s11277-023-10399-z)

- **"ABER of M-QAM and K-PSK Modulations over Double-GG Fading Channel"** – Piyush Jain, Jayanthi. N and **Lakshmanan. M**, Published in **International Journal of Electronics,** ISSN 0020-7217 (Print) 1362-3060 (Online), Vol – 110, No: 5, 2023, pp. 934 – 954. **(SCI/Scopus) (IF = 1.336).** (DOI: https://doi.org/10.1080/00207217.2022.2068196)

- **"Performance Analysis of Mixture Gamma and Double Generalized Gamma RF/FSO Transmission Systems"** – Rajat Gupta, Sumit Gangwar, Yashwardan, Piyush Jain, and **Lakshmanan. M**, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 81, No: 4, 2022, pp. 51 – 66. **(Scopus)** (DOI: https://doi.org/10.1615/TelecomRadEng.2022040121)

- **"Closed Form Expressions of AC and SER for Double GG Fading Distribution under EGC Scheme in FSO Communication System"** – Piyush Jain, Jayanthi. N and **Lakshmanan. M**, Published in **Wireless Personal**

Communications, ISSN 0929-6212 (Print) 1572-834X (Online), Vol – 127, No: 4, 2022, pp. 2935 – 2954. **(SCI/Scopus) (IF = 1.671)** (DOI: https://doi.org/10.1007/s11277-022-09904-7)

- **"Uplink resource allocation for device-to-device communication in LTE-A network" –** V. Noor Mohammed, V. Banka, S. Jaiswal, **Lakshmanan. M,** Senthilkumar. K, Palanivelan. M, Published in **Journal of Engineering Science and Technology,** ISSN 1823-4690, Vol – 17, No: 3, 2022, pp. 1833 – 1844. **(ESCI/Scopus)** (DOI: 10.1109/VTCFall.2014.6966154)

- **"Generic MGF based Tight Approximation for the Error Rate Analysis" –** S. Pratap Singh, Shekhar Singh Amit Kumar, Ashish Pandey, **Lakshmanan. M,** Noor Mohammed. V and Sanjay Kumar, Published in **International Journal of Communication Systems,** ISSN 1074-5351 (Print) 1099-1131 (Online), 2022, Article Number: e4221 **(SCI/Scopus) (IF = 2.047)** (DOI: https://doi.org/10.1002/dac.5127)

- **"Dynamic Sectorization and parallel processing for device-to-device (D2D) resource allocation in 5G and B5G cellular network" –** Noor Mohammed. V, Prasun Ambastha, Sukriti Gautam, Rishabh Jain, Hariharan. S and **Lakshmanan. M,** Published in **Peer-to-Peer Networking and Applications,** ISSN 1936-6442 (Print) 1936-6450 (Online), Vol – 14, No: 1, 2021, pp: 296 – 304. **(SCI/Scopus) (IF = 3.307)** (DOI: https://doi.org/10.1007/s12083-020-00949-8)

- **"Energy Efficient Hamming Coded Cooperative Communication" –** K. Senthilkumar, M. Palanivelan, V. Asokan, J. Karthi and **Lakshmanan. M**, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 79, No: 17, 2020, pp: 1521 – 1528. **(Scopus)**
(DOI: https://doi.org/10.1615/TelecomRadEng.v79.i17.30)

- **"Improved BER of Nano Communication over WG Fading under GGD Noise" –** A. Gupta, S. P. Singh, P. Jain, **Lakshmanan. M** and A. Kansal, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 79, No: 14, 2020, pp: 1217 – 1230. **(Scopus)**
(DOI: https://doi.org/10.1615/TelecomRadEng.v79.i14.20)

- **"Performance Analysis of DGS based Rectangular Patch Antenna for Tri-Band Applications" –** V. Asokan, K. Senthilkumar, M. Palanivelan, J. Karthi and **Lakshmanan. M**, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 79, No: 11, 2020, pp: 963 – 972. **(Scopus)** (DOI: https://doi.org/10.1615/TelecomRadEng.v79.i11.60)

- **"Energy Efficient Resource Allocation for Device-to-Device Communication through Non-Cooperative Game Theory" –** Noor Mohammed. V, Prithvi Mothi Sreenivasan, Tharrun Ravishankar, Hariharan. S and **Lakshmanan. M**, Published in **International Journal of Communication Systems,** ISSN 1074-5351 (Print) 1099-1131 (Online), Vol – 33, No: 6, 2020, Article Number: e4279. **(SCI/Scopus) (IF = 2.047)** (DOI: https://doi.org/10.1002/dac.4279)

- **"A Novel Analytical Model for Interference Estimation in CR Enabled Femtocell" –** S Pratap Singh, Amit Kumar, Saket Mishra, **Lakshmanan. M** and Sanjay Kumar, Published in **International Journal of Communication Systems,** ISSN 1074-5351 (Print) 1099-1131 (Online), Vol – 33, No: 4, 2020, Article Number: e4221. **(SCI/Scopus) (IF = 2.047)** (DOI: https://doi.org/10.1002/dac.4221)

- **"Uplink Resource Sharing and Power Management Scheme for an Underlay D2D Communication" –** Noor Mohammed. V, Rajkumar. N, **Lakshmanan. M,** Hariharan. S, Nandakumar. S, Velmurugan. T and Palanivelan. M, Published in **Wireless Personal Communications,** ISSN 0929-6212 (Print) 1572-834X (Online), Vol – 110, No: 2, 2020, pp: 637 – 650. **(SCI/Scopus) (IF = 1.9)**
(DOI: https://doi.org/10.1007/s11277-019-06747-7)

- **"Development of an Enhanced Secured Authentication and Key Agreement Procedure for UMTS Network" –** Noor Mohammed. V, **Lakshmanan. M,** Palanivelan. M and Sai Giri Ella, Published in **Wireless Personal Communications,** ISSN 0929-6212 (Print) 1572-834X (Online), Vol – 110, No: 1, 2020, pp: 467 – 483. **(SCI/Scopus) (IF = 1.9)** (DOI: https://doi.org/10.1007/s11277-019-06737-9)

- **"Efficient CFO Estimation and Compensation Approach in OFDMA for Uplink Mobile WiMax" – Lakshmanan. M**, P. S. Mallick, Nithyanandan. L and Saikrishna. M, Published in **Radioelectronics and Communications Systems,** ISSN 1934-8061 (Online) 0735-2727 (Print), Vol – 62, No: 12, 2019, pp: 649 – 659. **(Scopus)** (DOI: https://doi.org/10.3103/S0735272719120057)

- **"WARP Implementation of Sliding Taxicab Norm Transform Technique for PAPR Reduction in OFDM Systems" –** M. Palanivelan, **Lakshmanan. M,** and Noor Mohammed. V, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 78, No: 13, 2019, pp: 1143 – 1165. **(Scopus)** (DOI: https://doi.org/10.1615/TelecomRadEng.v78.i13.20)

- **"Nipple Segmentation and Localization Using Modified U-Net on Breast Ultrasound Images" –** Zhemin Zhuang, Alex Noel Joseph Raj, Atyant Jain, Nersisson Ruban, Saksham Chaurasia, Nan Li, **M. Lakshmanan** and M. Murugappan, Published in **Journal of Medical Imaging and Health Informatics,** ISSN 2156-7018 (Print) 2156-7026 (Online), Vol. 9, No. 9, 2019, pp: 1827 – 1837. (DOI: https://doi.org/10.1166/jmihi.2019.2828)

- **"A Multimodal Authentication for Biometric Recognition System using Intelligent Hybrid Fusion Techniques" –** S. Prabu, **Lakshmanan. M** and V. Noor Mohammed, Published in **Journal of Medical Systems,** ISSN 0148-5598, Vol – 43, No: 8, Article: 249, 2019, pp: 1 – 9. **(SCI/Scopus) (IF = 4.460)** (DOI: https://doi.org/10.1007/s10916-019-1391-5)

- **"A Compact Circularly Polarized Multiband Microstrip Patch Antenna with Defective Ground Structure" –** Ashish Kumar Singh, Ankit Sharma, **Lakshmanan. M** and Deepak Gangwar, Published in **International Journal of Electronics and Telecommunications,** ISSN 2300-1933, Vol – 65, No: 2, 2019, pp: 195 – 201. **(Scopus)** (DOI: https://doi.org10.24425/ijet.2019.126301)

- **Analysis of ICI Cancellation in MC-CDMA System using Self-Cancellation and Extended Kalman Filter Method" –** Noor Mohammed. V, **Lakshmanan. M,** S. K. Jayanth Prabu, S. Nandakumar, T. Velmurugan and M. Palanivelan, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 76, No: 7, 2017, pp: 591 – 605. **(Scopus)** (DOI: https://doi.org/10.1615/TelecomRadEng.v76.i7.30)

- **"Mitigation of Interference in MIMO Multi Carrier CDMA System using Sub Carrier Self Cancellation for CFO Compensation" –** Noor Mohammed. V, **Lakshmanan. M,** M. Palanivelan, Ankur Kar and P. Tripathy, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 75, No: 13, 2016, pp: 1153 – 1165. **(Scopus)** (DOI: https://doi.org/10.1615/TelecomRadEng.v75.i13.20)

- **"Spectrum Sharing and Inter Cell Interference Mitigation in Wireless Cellular Networks" – Lakshmanan. M,** Noor Mohammed. V, M. Palanivelan and Shinde Ajay, Published in **Indian Journal of Science and Technology,** ISSN 0974-6846, Vol – 9, No: 35, 2016, pp: 1 – 5.
(DOI: https://doi.org/10.17485/ijst/2016/v9i35/101802)

- **"Energy Control in 4G Networks" – Lakshmanan. M,** Noor Mohammed. V, M. Palanivelan and P. Siva Kumar, Published in **Indian Journal of Science and Technology,** ISSN 0974-6846, Vol – 9, No: 35, 2016, pp: 1 – 5. (DOI: https://doi.org/10.17485/ijst/2016/v9i35/101806)

- **"Joint Timing Synchronization and Channel Estimation using Perfect Sequence in Uplink Time Domain Synchronous OFDMA" – Lakshmanan. M,** P. S. Mallick and L. Nithyanandan, Published in

International Journal of Electronics and Telecommunications, ISSN 2300-1933, Vol – 62, No: 3, 2016, pp: 225 – 229. **(Scopus)** (DOI: https://doi.org/10.1515/eletel-2016-0030)

- **"Efficient CFO Compensation method in Uplink OFDMA for Mobile WiMax" – Lakshmanan Muthukaruppan,** Parthasharathi Mallick, Nithyanandan Lakshmanan and Sai Krishna Marepalli, Published in **Journal of ICT Research and Applications,** ISSN 2337-5787, Vol – 10, No: 2, 2016, pp: 140 – 152. **(Scopus)** (DOI: https://doi.org/10.5614/itbj.ict.res.appl.2016.10.2.4)

- **"Channel Estimation for MISO OFDM System using Improved Cyclic Delay Diversity" – Lakshmanan. M,** Noor Mohammed. V, M. Palanivelan and M. V. C. Vamsikrishna, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 75, No: 5, 2016, pp: 425 – 440. **(Scopus)** (DOI: https://doi.org/10.1615/TelecomRadEng.v75.i5.40)

- **"Transform based Approach for Peak to Average Power Ratio Optimization in MIMO -OFDM Broadband Wireless Systems" –** Palanivelan. M, Sheila Anand, **Lakshmanan. M** and Noor Mohammed. V, Published in the **International Journal of Advanced Engineering Technology,** ISSN 0976-3945, Vol – 7, No: 1, 2016, pp: 638 – 641.
(DOI:https://www.technicaljournalsonline.com/ijeat/VOL%20VII/IJAET%20VOL%20VII%20ISSUE%20I%20JANUARY%20MARCH%202016/201671115.pdf)

- **"Suppression of Multiple Access Interference in Uplink OFDMA of Mobile WiMAX" – Lakshmanan. M,** P.S. Mallick and L. Nithyanandan, Published in **Telecommunications and Radio Engineering,** ISSN 0040–2508, Vol – 74, No: 14, 2015, pp: 1257 – 1268. **(Scopus)**
(DOI: https://doi.org/10.1615/TelecomRadEng.v74.i14.30)

- **"Efficient Carrier Frequency Offset Estimation Method in Uplink OFDMA for Mobile WiMAX" – Lakshmanan. M,** P.S. Mallick, L. Nithyanandan and M. Saikrishna, Published in **International Journal on Communications Antenna and Propagation,** ISSN 2039–5086, Vol – 5, No: 3, 2015, pp: 132 – 137. **(Scopus)** (DOI: https://doi.org/10.15866/irecap.v5i3.5676)

- **"Carrier Frequency Offset Estimation in Uplink OFDMA System for Contiguous and Non-Contiguous Subcarrier Allocation Techniques" – Lakshmanan. M,** P.S. Mallick, L. Nithyanandan and Kulkarni Pranav R, Published in **Australian Journal of Basic and Applied Sciences,** ISSN 1991-8178, Vol – 7, No: 7, 2013, pp: 93 – 99.(DOI: http://www.ajbasweb.com/old/ajbas/2013/may/93-99.pdf)

- **"Multiuser Detection based Timing Offset Estimation for Uplink Mobile WiMAX" – Lakshmanan. M,** P.S. Mallick and L. Nithyanandan, Published in the **International Journal of Theoretical and Applied Information Technology,** E-ISSN 1817-3195/ISSN 1992-8645, Vol – 42, No: 2, 2012,pp: 252 – 259. **(Scopus)** (DOI: http://www.jatit.org/volumes/Vol42No2/15Vol42No2.pdf)

- **"Implementation of Networked Control Systems using TCP/IP" –** Rajesh. R, **Lakshmanan. M** andV. Noor Mohammed, Published in the **International Journal of Computer Applications,** ISSN 0975-8887, Vol – 18, No: 2, 2011, pp: 1 – 5. (DOI: https://www.ijcaonline.org/volume18/number2/pxc3872901.pdf)

- **"Design of Enhanced Cross-layer Handoff Management Protocol for Next Generation Wireless Systems" – Lakshmanan. M,** V. Noor Mohammed and S. Nandakumar, Published in the **CiiT International Journal of Networking and Communication Engineering,** ISSN 0974 – 9713, Vol – 1, No: 5, 2009, pp: 193 – 199. (DOI: https://www.ciitresearch.org/dl/index.php/nce/article/view/NCE082009002)

- **"Frequency Domain Equalization for Single Carrier Wireless Systems" – Lakshmanan. M,** V. Noor Mohammed and S. Nandakumar, Published in the **CiiT International Journal of Networking and**

Communication Engineering, ISSN 0974 – 9713, Vol – 1, No: 4, 2009, pp: 177 – 183.(DOI: https://www.ciitresearch.org/dl/index.php/nce/article/view/NCE072009009)

- **"An Adaptive Energy Efficient MAC Protocol for Wireless Sensor Networks" – Lakshmanan. M** and V. Noor Mohamm**e**d**,** Published in th**e International Journal on Intelligent Electronic Systems,** ISSN 0973 – 9238, Vol – 3, No: 2, 2009, pp: 7 – 16. (DOI: https://doi.org//10.18000/IJIES.30050)

- **"An Adaptive Energy Efficient MAC Protocol for Wireless Sensor Networks" – Lakshmanan. M** and V. Noor Mohamm**e**d**,** Published in th**e International Journal on Intelligent Electronic Systems,** ISSN 0973 – 9238, Vol – 3, No: 2, 2009, pp: 7 – 16.

Publications in National/International Conferences:

- **"Application Of Deep Learning in Free Space Optical Communication Using Malaga Channel" –** Masood Asim, Manoranjan Kumar Singh, Kunwar Nitesh Singh, **Lakshmanan M** and Rekha Rani, Published in **IEEE Xplore** in the proceedings of **3rd International Conference on Advancement in Electronics & Communication Engineering (AECE 2023),** held at Raj Kumar Goel Institute of Technology, Ghaziabad, India on November 23 & 24, 2023. **(Scopus)** (DOI: https://doi.org/10.1109/AECE59614.2023.10428215)

- **"Performance Enhancement of WDM-RoFSO Communication System under Different Weather Conditions" –** Pranjal Tiwari, Ketan Rai, Naman Kumar Shukla, Nitish Malik, **Lakshmanan M** and Rekha Rani, Published in **IEEE Xplore** in the proceedings of **2nd IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN),** held at VIT University, Vellore, India on May 05 & 06, 2023. **(Scopus)**
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Edited Books

- **"Security and Privacy Schemes for Dense 6G Wireless Communication Networks"** – Agbotiname Lucky Imoize, Chandrashekhar Meshram, Dinh-Thuan Do, Seifedine Kadry and **Lakshmanan M,** IET, 2023. (DOI: https://doi.org/10.1049/PBSE021E)

Keynote Lectures Delivered:

- Delivered a lecture in the **Seminar** on **"Green Innovation in 5G: Towards Sustainable Networks"** organized by Department of ECE, Mahendra Institute of Technology, Tiruchengode, Tamilnadu, India on 15.05.2025.
- Delivered a lecture in the **Seminar** on **"Quantum Computing: The Future of Problem Solving Beyond Classical Limits"** organized by Department of CSE, Mahendra Engineering College, Tiruchengode, Tamilnadu, India on 28.04.2025.
- Delivered a lecture at WATER element and session tilted **"Offline Presentation on Innovation for Water Sustainability"** during the world recorded marathon **"IGEN ENVIRONTHON 2024"** organized by The Institution of Green Engineers (IGEN) & The Institution of Engineers (India) (IE(INDIA)) TNSC on 14.09.2024 and 15.09.2024.
- Delivered lectures **"Institutional Responsibilities in NBA"** on 27.05.2024 and **"Process of OBE"** on 28.05.2024 in the **Faculty Development Programme** on **"Importance of Accreditation, OBE and NEP-2020 in Higher Education"** organized by Internal Quality Assurance Cell (IQAC) and Department of Applied Science, Bharati Vidyapeeth's College of Engineering, New Delhi, India between 27.05.2024 and 31.05.2024.
- Delivered a lecture in the **Seminar** on **"Fundamentals of Artificial Intelligence and Machine Learning"** organized by Department of ECE, Mahendra Institute of Technology, Tiruchengode, Tamilnadu, India on 23.05.2024.
- Delivered a lecture in the **FDTP on "Cyber Security"** organized by Department of Computer and Communication Engineering, Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India sponsored by Anna University, on 07.02.2024.
- Delivered lectures in the Offline **ToT Programme (SAPTARISHI)** on **"AI - Machine Learning Engineer"** organized by E&ICT Academy, IIT Guwahati, Ministry of Electronics and Information Technology in collaboration with National Skill Development Corporation (NSDC), National Association of Software and Service Companies (NASSCOM) and Techvictus between 25.01.2024 and 03.02.2024.

- Delivered lectures in the **Faculty Development Programme** on **"Machine Learning for Signal and Image Processing"** organized by E&ICT Academy, IIT Guwahati, Ministry of Electronics and Information Technology in collaboration with Osmania University, India between 04.12.2023 and 09.12.2023.

- Delivered a lecture in the **FDTP on "Introduction to Data Science"** organized by Department of Computer and Communication Engineering, Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India sponsored by Anna University, on 25.07.2023.

- Delivered a lecture in the **National Webinar on "Data Communication and Artificial Intelligence"** organized by Justice Basheer Ahmed Sayeed College for Women, Chennai, Tamilnadu, India on 23.02.2023.

- Delivered a lecture **"Application of Design Thinking Tools and Approach for Right Problem Identification and Solution Development"** organized by Institution's Innovation Council and Department of ECE, Mahendra Engineering College, Tamilnadu, India on 14.10.2022.

- Delivered a lecture **"How to get good NAAC Score"** organized by Thiagarajar School of Management, Madurai, India on 14.07.2022.

- Delivered a lecture **"Cognitive Computing"** in the **International Conference on Cognitive Computing and Intelligent Communication Systems – CCICS 2022** organized by Department of ECE, Mahendra Institute of Technology, Tamilnadu, India on 20.05.2022.

- Delivered lecture in the **Faculty Refresher Programme** on **"Scale up the NAAC Score"** organized by IQAC, K.C.S. Kasi Nadar College of Arts and Science, Chennai, India on 17.05.2022.

- Delivered lectures in the **Faculty Development Programme** on **"Artificial Intelligence and Machine Learning"** organized by E&ICT Academy, IIT Guwahati, Ministry of Electronics and Information Technology in collaboration with M. Kumarasamy College of Engineering, Karur, India between 09.05.2022 and 14.05.2022.

- Delivered lectures in the **Faculty Development Programme** on **"Artificial Intelligence and Machine Learning"** organized by E&ICT Academy, IIT Guwahati, Ministry of Electronics and Information Technology in collaboration with Manipur University, India between 14.03.2022 and 19.03.2022.

- Delivered a lecture **"Distributed Machine Learning for 5G and beyond"** in the **IEEE and IETE-ISF Sponsored FDP on "Ground-Breaking Technologies"** organized by Department of Electronics and Communication Engineering, Panimalar Institute of Technology, Chennai, India between 09.03.2022 and 15.03.2022.

- Delivered a lecture **"Introduction to Deep Learning and Necessity of Deep Learning in Smart Grid"** on 14.02.2022 in the **AICTE-ISTE Sponsored FDP on "Smart Systems & E-Mobility Challenges"** organized by Yashwantrao Bhonsale Polytechnic (NBA Accredited), Sindhudurg, Maharashtra, India between 10.02.2022 and 16.02.2022.

- Delivered a lecture **"Artificial Intelligence – An Introduction"** organized by Department of ECE, Rajalakshmi Engineering College, Chennai, Tamilnadu, India on 12.02.2022.

- Delivered a lecture **"Artificial Intelligence and Machine Learning"** organized by Department of IT, Velammal College of Engineering and Technology, Madurai, Tamilnadu, India on 28.01.2022.

- Delivered a lecture **"Recent Advances and Challenges in 5G Networks"** on 16.12.2021 in the **AICTE Sponsored International Online Conference on "Artificial Intelligence and Machine Learning Enabled 5G Wireless Networks: Recent Advances and Challenges" (ICAMW2021)** organized by Department of ECE, Mahendra Engineering College, Tiruchengode, Tamilnadu, India on 16.12.2021 and 17.12.2021.

- Delivered a lecture **"Artificial Intelligence for Beginners"** on 07.12.2021 in the **ATAL Academy sponsored FDP on "Artificial Intelligence Enabled Sensors and Networks for 5G Wireless Communications"** organized by Department of ECE, Mahendra Engineering College, Tiruchengode, Tamilnadu, India between 06.12.2021 and 10.12.2021.

- Delivered a lecture **"Advances in Wireless Mobile Communication Technologies"** organized by Department of ECE, Mahendra Institute of Technology, Tiruchengode, Tamilnadu, India on 26.11.2021.

- Delivered a lecture **"Necessity of DL in Smart Grid"** on 29.10.2021 in the **ATAL sponsored FDP on "Artificial Intelligence Foundations for Power Systems"** organized by K.L.N. College of Engineering, Pottapalayam, Sivaganga District, Tamilnadu, India between 27.10.2021 and 29.10.2021.

- Delivered a lecture **"AI for Beginners"** organized by Lingaya's Vidyapeeth (Deemed to be University), Faridabad, Haryana, India on 27.08.2021.

- Delivered a lecture **"Spark of Wireless Communication"** as a **Chief Guest** in the **Inaugural of IETE Student Forum and ECASTLE** organized by M.A.M College of Engineering and Technology, Tiruchirappalli, Tamilnadu, India on 21.08.2021.

- Delivered a lecture **"An Overview of Deep Learning in Smart Grids"** on 11.12.2020 in the **AICTE sponsored Online Two weeks Faculty Development Programme (Series-II) on "Enhancement of Data Analytics for Smart Grid"** organized by K.L.N. College of Engineering, Pottapalayam, Sivaganga District, Tamilnadu, India between 30.11.2020 and 12.12.2020.

- Delivered a lecture **"Overview of Deep Learning"** on 13.11.2020 in the **AICTE sponsored Online Two weeks Faculty Development Programme (Series-I) on "Enhancement of Data Analytics for Smart Grid"** organized by K.L.N. College of Engineering, Pottapalayam, Sivaganga District, Tamilnadu, India between 02.11.2020 and 16.11.2020.

- Delivered lectures in the **Faculty Development Programme** on **"Emerging Trends in Wireless Communication"** organized by IIT Guwahati and Ministry of Electronics and Information Technology organized by RVR & JC College of Engineering, Guntur, Andhra Pradesh, India between 25.11.2019 and 29.11.2019.

- Delivered lectures in Two-day **Orientation Programme on "Outcome Based Education"** organized by Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh, India on 28.03.2018 and 29.03.2018.

- Delivered lectures in Three-day **Faculty Development Programme** on **"Introduction to Outcome Based Education"** organized by Galgotias University, Greater Noida, Uttar Pradesh, India on 11.12.2017 and 12.12.2017.

- Delivered a lecture **"Wireless Mobile Communication"** organized by Mahendra Institute of Technology, Tiruchengode, Tamilnadu, India on 06.09.2016.

- Delivered a lecture **"Computer Organization and Architecture"** organized by Mahendra Engineering College, Tiruchengode, Tamilnadu, India on 19.07.2016.

- Delivered a lecture **"Noise in AM and FM Systems"** organized by CARE Group of Institutions, Trichy, Tamilnadu, India on 23.02.2015.

- Delivered a lecture **"Digital Communications and its Applications"** organized by Vidya Vikas College of Engineering and Technology, Tiruchengode, Tamilnadu, India on 08.02.2011.

Audits and Inspection

- Academic Audit at K. Ramakrishnan College of Engineering, Tiruchirappalli, Tamilnadu, India on 29.05.2025.
- NBA Mock Audit at Kumaraguru College of Technology, Coimbatore, Tamilnadu, India on

Awards

- Received the **Best Administrator Award** and **Best Researcher Award** in **The Innovative and Advanced Multidisciplinary Research Foundation (IAMRF) Awards 2024** in collaboration with the **Prerna Education Research Society,** Sonepat, Haryana, India.
- Received the **Award of Excellence** in **Research** in **National Faculty Award 2022-2023** on **02.10.2022** at Novel Research Academy, Puducherry, India.
- Received the **Researcher of the Year Award (Engineering, Male)** in **3rd International Business and Academic Excellence (IBAE) Awards 2021** on **26.12.2021** at GISR Foundation, New Delhi, India.
- Received the **Best Researcher Award** in **International Excellence Award 2021** on **27.06.2021** at DK International Research Foundation, Perambalur, Tamilnadu, India.
- Received the **Award of Emerging Leader for the contribution and achievement in the Discipline of Engineering** in **Higher Education Leadership Meet – 2018 (HELA 2018)** on **06.01.2018** at Venus International Foundation, Chennai, Tamilnadu, India.
- **Eminent Speaker and Session Chair** for Third International Conference on Nanotechnology for Instrumentation and Measurement Workshop (**NANOfIM 2017**) organized by Gautam Buddha University, Greater Noida, India between 16.11.2017 and 17.11.2017.
- Received **Certificate of Appreciation** for the contribution to research through publication in peer reviewed journals in **2015** at VIT University, Vellore, Tamilnadu, India.
- Received **Certificate of Appreciation** for the contribution to research through publication in peer reviewed journals in **2013** at VIT University, Vellore, Tamilnadu, India.
- Received **Certificate of Appreciation** for the contribution to research through publication in peer reviewed journals in **2012** at VIT University, Vellore, Tamilnadu, India.
- Received **Active Researcher Award** from VIT University on **26.01.2010** at VIT University, Vellore, Tamilnadu, India.

Reviewer:

- Reviewer for an International Journal **"International Journal of Electronics"** published by **Taylor and Francis**.
  Print ISSN: 0020-7217
  Online ISSN: 1362-3060
- Reviewer for an International Journal **"International Journal of Computer Applications in Technology"** published by **Inderscience**.
  Print ISSN: 0952-8091

Online ISSN: 1741-5047

- Reviewer for an International Journal **"Multimedia Tools and Applications"** published by **Springer**.
  Print ISSN: 1380-7501
  Online ISSN: 1573-7721

- Reviewer for an International Journal **"Personal and Ubiquitous Computing"** published by **Springer**.
  Print ISSN: 1617-4909
  Online ISSN: 1617-4917

- Reviewer for an International Journal **"Wireless Personal Communications"** published by **Springer**.
  Print ISSN: 0929-6212
  Online ISSN: 1572-834X

- Reviewer for an International Journal **"Journal of Circuits, Systems and Computers"** published by **World Scientific Publishing Co Pte Ltd**.
  Print ISSN: 0218-1266
  Online ISSN: 1793-6454

- Reviewer for an International Journal **"International Journal of Electronics and Telecommunications"** published by **Polish Academy of Sciences**.
  Online ISSN: 2300-1933

- Reviewer for an International Journal **"International Journal of Pervasive Computing and Communications"** published by **Emerald Publishing Limited**.
  ISSN: 1742-7371

- Reviewer for an International Journal **"International Journal of Communication Systems"** published by **Wiley**.
  Online ISSN: 1099-1131

Advisory and Technical Committee:

- **Board of Studies Member** for Centre of Excellence for Cyber and Information Security, School of ICT, Gautam Buddha University, Greater Noida.

- **Technical Programme Committee Member** for 10th International Conference on Signal Processing and Integrated Networks (**SPIN 2023**) organized by Amity University, Noida, India on 23.03.2023 and 24.03.2023.

- **Technical Programme Committee Member** for 9th International Conference on Signal Processing and Integrated Networks (**SPIN 2022**) organized by Amity University, Noida, India on 25.08.2022 and 26.08.2022.

- **Advisory Board Member** for Fourth IEEE International Conference on Advances in Computing, Communication Control and Networking (**ICAC3N-22**) organized by Galgotias College of Engineering & Technology, Greater Noida Uttar Pradesh, India on 16.12.2022 and 17.12.2022.

- **Advisory Board Member** for Third IEEE International Conference on Advances in Computing, Communication Control and Networking (**ICAC3N-21**) organized by Galgotias College of Engineering & Technology, Greater Noida Uttar Pradesh, India on 17.12.2021 and 18.12.2021.

- **Technical Programme Committee Member** for Eighth International Conference on Signal Processing and Integrated Networks (**SPIN 2021**) organized by Amity University, Noida, India on 26.08.2021 and 27.08.2021.

- **Advisory Board Member** for Second IEEE International Conference on Advances in Computing, Communication Control and Networking (**ICAC3N-20**) organized by Galgotias College of Engineering & Technology, Greater Noida Uttar Pradesh, India on 18.12.2020 and 19.12.2020.

- **Technical Programme Committee Member** for Seventh International Conference on Signal Processing and Integrated Networks (**SPIN 2020**) organized by Amity University, Noida, India on 27.02.2020 and 28.02.2020.

- **Technical Programme Committee Member** for Sixth International Conference on Signal Processing and Integrated Networks (**SPIN 2019**) organized by Amity University, Noida, India on 07.03.2019 and 08.03.2019.

- **Advisory Committee Member** for Third International Conference on Nanotechnology for Instrumentation and Measurement Workshop (**NANOfIM 2017**) organized by Gautam Buddha University, Greater Noida, India on 16.11.2017 and 17.11.2017.

- **Department Advisory Committee Member** in the Department of Information Technology, Velammal College of Engineering and Technology, Madurai, Tamilnadu, India2.

- **Advisory and Technical Committee Member** for National Conference on Technological Innovations in Communication and Computation (**NCTICC 2017**) organized by K.S. Institute of Technology, Bengaluru between 10.05.2017 and 12.05.2017.

Events organized:

Number of National / International Conferences Organized	: 03
Number of Faculty Development Programmes Organized	: 04
Number of National / International Seminars Organized	: 04
Number of National / International Workshops Organized	: 07
Number of Short-Term Courses Organized	: 14
Number of National/International Symposiums Organized	: 01

Events organized as Dean IQAC during June 2023 to till date:

- Organized the **Faculty Induction Programme on "IQAC Process"** at Sri Eshwar College of Engineering, Coimbatore, Tamilnadu, India on 22.01.2024 and 24.01.2024.

Events organized as Head of the Department during Jan 2017 to May 2023:

- Organized the **International Conference on "Cyber Threats and Security"** (ICCTS 2023) as **Convener and Conference Organizing Chair** on 01-02, May 2023 in collaboration with **Institute of Electronica and**

- Telecommunication Engineers (IETE) and **All India Council for Technical Education (AICTE)** conducted by Department of Electronics and Communication Engineering and Department of Electrical Engineering, Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh, India

- Organized **Short Term Course on "IoT and its Applications"** at Galgotias College of Engineering and Technology, Greater Noida, India between 05.12.2022 and 09.12.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Organized **Short Term Course on "Advances in Electrical and Electronics Engineering"** at Galgotias College of Engineering and Technology, Greater Noida, India between 14.11.2022 and 18.11.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Organized **Short Term Course on "OFC Systems: Design & Simulation"** at Galgotias College of Engineering and Technology, Greater Noida, India between 31.10.2022 and 04.11.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Organized **Short Term Course on "Free Simulators for ECE Lab Practices"** at Galgotias College of Engineering and Technology, Greater Noida, India between 26.09.2022 and 30.09.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Organized **Short Term Course on "VLSI Devices and Circuits for AI Applications"** at Galgotias College of Engineering and Technology, Greater Noida, India between 19.09.2022 and 23.09.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Organized **"Cyber Security Seminar – Episode 1 of Cyber Security Knowledge Series, under the theme "Knowledge areas of Cybersecurity and way forward to bridging the capability gap in defensive & offensive cyber-space and skilled human resources in India"** at Galgotias College of Engineering and Technology, Greater Noida, India between 02.09.2022 and 03.09.2022 in collaboration with IETE Noida Centre.

- Organized **Short Term Course on "Nanoelectronics Devices and Circuits Design"** at Galgotias College of Engineering and Technology, Greater Noida, India between 22.08.2022 and 26.08.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Organized the **Scopus Indexed First International Conference on "Recent Trends in Parallel and Distributed Processing Techniques"** (RTPDP 2021) as **Convener and Conference Organizing Chair** on 09-10, July 2021 conducted by Department of Electronics and Communication Engineering, Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh, India.
  Publisher: IOS Press (Scopus Indexed)

- Organized **Faculty Development Programme on "Recent Developments in Optical Communication and Antenna Technology"** (RDOPCAT – 2019) at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh between 14.10.2019 and 18.10.2019 in collaboration with Dr. Abdul Kalam Technical University, Lucknow under TEQIP-III.

- Organized **Short Term Course on "Wireless Propagation through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 25.02.2019 and 01.03.2019 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Organized **Short Term Course on "NBA Accreditation for Quality Assurance through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 04.02.2019 and 08.02.2019 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Organized **Seminar on "Know Yourself"** delivered by **Mr. Nitin N. Nagar** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 28.01.2019.
- Organized **Short Term Course on "Optimization Techniques with Engineering Applications through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 10.12.2018 and 14.12.2018 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Organized **Short Term Course on "Next Generation Wireless Technologies through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 26.11.2018 and 30.11.2018 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Organized **Workshop on "VLSI Design and Embedded - IOT Systems"** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 27.09.2018 and 28.09.2018 in collaboration with DKOP Labs Pvt. Ltd.
- Organized **Workshop on "IoT Based Google Assistance Project"** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 24.09.2018 in collaboration with APTRON Solutions Pvt. Ltd.
- Organized **One day Seminar/Webinar on "VLSI Design Technologies"** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 21.08.2018 in collaboration with True Chip Solutions.
- Organized **Faculty Development Programme on "Emerging Trends in Antenna Design and Communication Technologies"** (ETADCT – 2018) at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh between 16.07.2018 and 20.07.2018 in collaboration with Dr. Abdul Kalam Technical University, Lucknow under TEQIP-III.
- Organized **Short Term Course on "Advances in OFC Technology through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 18.06.2018 and 22.06.2018 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Organized **One Day Faculty Development Programme on "Reflection on the Self"** delivered by **Dr. Sanjay Kumar** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 07.06.2018.
- Organized **Short Term Course on "Scilab Programming through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 14.05.2018 and 18.05.2018 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Organized **Short Term Course on "MATLAB & LABVIEW with its Hardware Interface through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 29.01.2018 and 02.02.2018 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Organized **Short Term Course on "Optical Fibers: Potential & Applications through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 18.12.2017 and 22.12.2017 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Organized **One Day Seminar on "Potential of Impedance Spectroscopy for Measurement and Sensor Solutions"** delivered by **Dr. Olfa Kanoun and Dr. Faouzi Derbel** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 15.11.2017.
- Organized **Two Days Workshop on "Fundamentals of Wireless Mobile Communication"** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 12.10.2017 and 13.10.2017.
- Coordinator for the **One Day Workshop on "PCB & Circuit Design"** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 25.08.2017 in collaboration with APTRON Solutions Pvt. Ltd.

- Coordinator for the **One Day Workshop on "Internet of Things"** at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 24.08.2017 in collaboration with APTRON Solutions Pvt. Ltd.
- Organized **Faculty Development Programme on "Advances in Communication and Networking"** (ACN – 2017) at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh between 17.07.2017 and 21.07.2017 in collaboration with Dr. Abdul Kalam Technical University, Lucknow.
- Organized **Symposium on "Emerging Trends in Microwave Remote Sensing Technology for Rural Applications"** (MISENTRA – 2017) at Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh on 30.03.2017 and 31.03.2017 in collaboration with the Government of India, Dept. of Science and Technology, Ministry of Science and Technology.

Events Organized till Dec 2016:

- Organized a Guest Lecture on "Internet of Things (IoT) – An Emerging Technology" on 17.08.2016 conducted by School of Electronics Engineering, VIT University, Vellore, Tamilnadu, India.
- Organized a Guest Lecture on "Student Modeling in Intelligent Tutoring System" on 20.07.2016 conducted by School of Electronics Engineering, VIT University, Vellore, Tamilnadu, India.
- Organized a Workshop on "Introduction to ns-3" with Hands on session on 10.06.2016 and 11.06.2016 conducted by School of Electronics Engineering, VIT University, Vellore, Tamilnadu, India
- Organized a Guest Lecture on "Soft Computing Techniques for Medical Image Analysis" on 11.04.2016 conducted by School of Electronics Engineering, VIT University, Vellore, Tamilnadu, India.
- Organized a One Day National Workshop with Hands on session in "Maplesoft Tools – Advanced Mathematical and System Level Modelling Software" on 04.04.2016 conducted by School of Electronics Engineering, VIT University, Vellore, Tamilnadu, India
- Organized a Guest Lecture on "Recent Trends in Wireless Technologies" on 29.03.2016 conducted by School of Electronics Engineering, VIT University, Vellore, Tamilnadu, India.
- Organized the first National Conference on "Emerging Trends in Communication, Computing and Networks" (ETCCN-07) in April 2007 conducted by Department of Electronics and Communication Engineering, Rajalakshmi Engineering College, Chennai, Tamilnadu, India.

Other Responsibilities:

- **Continuous Assessment Test Coordinator from July 2012 to December 2015** at School of Electronics Engineering, VIT University, Vellore, Tamilnadu, India.
- **Developed Digital Communication Lab** at School of Electronics Engineering, VIT University, Vellore, Tamilnadu, India.
- **Committee Coordinator** for the Silver Jubilee Conference on "Communication Technologies and VLSI Design" (COMMV-09) during October 6 – 10, 2009 conducted by VIT University, Vellore, Tamilnadu, India.
- **Developed Communication Lab and Digital Signal Processing Lab** at Mahendra Engineering College, Tiruchengode, Tamilnadu, India.

- **Timetable Coordinator** from June 2002 to May 2004 at Mahendra Engineering College, Tiruchengode, Tamilnadu, India.

Professional Training/Course/Workshop/Seminars Attended:

- Attended a Short-Term Course on **"IoT and its Applications"** at Galgotias College of Engineering and Technology, Greater Noida, India between 05.12.2022 and 09.12.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended a Short-Term Course on **"Advances in Electrical and Electronics Engineering"** at Galgotias College of Engineering and Technology, Greater Noida, India between 14.11.2022 and 18.11.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended a Short-Term Course on **"OFC Systems: Design & Simulation"** at Galgotias College of Engineering and Technology, Greater Noida, India between 31.10.2022 and 04.11.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended a Short-Term Course on **"VLSI Devices and Circuits for AI Applications"** at Galgotias College of Engineering and Technology, Greater Noida, India between 19.09.2022 and 23.09.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended a Short-Term Course on **"Nanoelectronics Devices and Circuits Design"** at Galgotias College of Engineering and Technology, Greater Noida, India between 22.08.2022 and 26.08.2022 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended the Webinar on **"An Overview to Patents for Startups"** conducted by Graphic Era Deemed to be University, Dehradun, India on 21.06.2021.
- Attended the Webinar on **"Value of IEEE eLearning Courses in Engineering Education and Research"** conducted by EBSCO Information Services on 10.07.2020.
- Attended Faculty Development Programme on **"Advancement in Communication Engineering Technologies with Simulation Tools"** conducted by Vishnu Institute of Technology, Bhimavaram, India between 01.07.2020 and 05.07.2020.
- Attended a Short-Term Course on **"Wireless Propagation through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 25.02.2019 and 01.03.2019 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended a Short-Term Course on **"NBA Accreditation for Quality Assurance through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 04.02.2019 and 08.02.2019 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended a Short-Term Course on **"Next Generation Wireless Technologies through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 26.11.2018 and 30.11.2018 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended a Short-Term Course on **"Scilab Programming through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 14.05.2018 and 18.05.2018 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.

- Attended a Short-Term Course on **"MATLAB & LABVIEW with its Hardware Interface through ICT"** at Galgotias College of Engineering and Technology, Greater Noida, India between 29.01.2018 and 02.02.2018 in collaboration with National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- Attended a Workshop on **"Network Security and Internet Forensics using MONOSEK"** at VIT University, Vellore, Tamilnadu, India on 04.10.2016.
- Attended a Workshop on **"Network Simulator – Netsim"** at VIT University, Vellore, Tamilnadu, India on 01.10.2016.
- Attended a Workshop on **"Introduction to ns-3"** with Hands on Session at VIT University, Vellore, Tamilnadu, India on 10.06.2016 and 11.06.2016.
- 0Attended a Workshop on **"Signal and Image Processing: Practice to Research"** at VIT University, Vellore, Tamilnadu, India between 25.02.2016 and 27.02.2016.
- Attended a Faculty Development Programme on **"4G and Beyond with BWSIM (Broadband Wireless Simulator)"** at VIT University, Vellore, Tamilnadu, India on 18.09.2014.
- Attended a Refresher Programme on **"Effective Proctoring"** at VIT University, Vellore, Tamilnadu, India on 04.04.2013.
- Attended a Workshop on **"An Introduction to Low Density Parity Check Codes"** at VIT University, Vellore, Tamilnadu, India on 09.07.2011.
- Attended a Faculty Development Programme on **"Analog and Digital Communication"** at VIT University, Vellore, Tamilnadu, India between 02.07.2011 and 05.07.2011.
- Attended a **"Mission10X"** workshop at VIT University, Vellore, Tamilnadu, India between 16.05.2011 and 20.5.2011.
- Attended a Workshop on **"Writing Research Articles using LaTeX"** at VIT University, Tamilnadu, Vellore, India on 08.04.2011.
- Attended a Short Course on **"OFDM based Next Generation Wireless Standards"** at Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, India between 17.05.2010 and 19.05.2010.
- Attended a Faculty Development Programme on **"Data Communications"** at VIT University, Vellore, Tamilnadu, India between 01.07.2009 and 07.07.2009.
- Attended a Faculty Development Programme on **"Signals and Systems"** at VIT University, Vellore, Tamilnadu, India between 29.01.2009 and 31.01.2009.
- Attended a **"Skill Improvement Programme (SIP)"** workshop at VIT University, Vellore, Tamilnadu, India between 05.02.2008 and 30.04.2008.
- Attended a **"Training Orientation Programme (TOP)"** at VIT University, Tamilnadu, India between 18.01.2008 and 23.01.2008.
- Attended a Staff Development Programme **"3-day Soft Skills Training Programme (SSTP) and Teaching Evaluation through Micro teaching"** workshop at VIT University, Vellore, Tamilnadu, India between 18.06.2007 and 21.06.2007.

Personal Information:

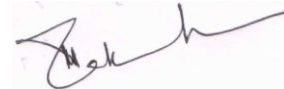|		
Father's Name	:	Muthukaruppan. T
Date of Birth	:	16-October-1979
Gender	:	Male
Address for Communication	:	B4, Deluxe Residency,
		Ashtalakshmi Nagar Extension.
		Sundarapuram,
		Coimbatore – 641024, Tamilnadu, India
Permanent address	:	RMS House,
		Plot No. 57, Alagumalayan Nagar 2nd Street,
		Melapanangadi,
		Kulamangalam Main Road,
		Madurai – 625017, Tamilnadu, India.

Declaration

I hereby declare that the particulars given above are true and correct to the best of my knowledge and belief.

Place: Coimbatore

Date: 03.06.2025

Yours Sincerely,

(Dr. Lakshmanan. M)