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Tamilnadu, India.

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Academic profile:

- Ph.D (Wireless Communication and Networking) in the year 2016
Vellore Institute of Technology, Vellore, Tamil Nadu, India.
- M.E. (Communication Systems) in the year 2003
Mepco Schlenk Engineering College, Madurai Kamaraj University
Percentage: 78%
- B.E. (Electronics and Communications Engineering) in the year 1999
Mahendra Engineering College, Madras University
Percentage: 72%
- D.E.C.E in the year 1996
Vinayaka Mission Polytechnic, Salem
Percentage: 87%
- Higher Secondary in the year 1994
St. Paul Higher Secondary School, Salem
Percentage: 74%
- S.S.L.C in the year 1992
Bharathi Vidyalaya Higher Secondary School, Salem
Percentage: 78%
- Member in IEEE (Member # 90880376)
- Life Member in International Association of Computer Science and Information Technology

Professional experience:

- February 2016 to Till Date – **Associate Professor** in Vellore Institute of Technology, Vellore, Tamil Nadu, India
- September 2013 to February 2016 – **Assistant Professor (Selection Grade)** in Vellore Institute of Technology, Vellore, Tamil Nadu, India
- November 2009 to August 2013 – **Assistant Professor (Senior Grade)** in Vellore Institute of Technology, Vellore, Tamil Nadu, India
- January 2009 to October 2009 – **Assistant Professor** in Vellore Institute of Technology, Vellore, Tamil Nadu, India

- May 2007 to December 2008 – **Lecturer** in Vellore Institute of Technology, Vellore, Tamil Nadu, India
- January 2007 to May 2007 – **Senior Lecturer** in Muthayamaal Engineering College, Rasipuram, Tamil Nadu, India
- January 2003 to December 2006 – **Lecturer** in Kongu Engineering College, Erode, Tamil Nadu, India

Field of Interest:

- Analog Communication
- Digital Communication
- Wireless Communication
- Information Theory and Coding Techniques
- Computer Networks & Queuing Theory
- Advanced Digital Communication
- Wireless and MIMO Communication
- Cryptography
- Advanced Wireless Networks
- Principles of Computer Communication

Skill Set:

Language	: C, C++
Simulation tools	: MATLAB
Operating systems	: Windows, MS-DOS
Package	: MSOFFICE

Publications in National/International Journals:

- **Noor Mohammed Vali Mohamad**, Prasun Ambastha, Sukriti Gautam, Rishab Jain, Hariharan S and Lakshmanan N, “*Dynamic Sectorization and parallel processing for device-to-device(D2D) resource allocation in 5G and B5G cellular network*”, **Peer-to-Peer Networking and Applications**, 2020; pp. 1-9; DOI 10.1007/s12083-020-00949-8.
- Sriksishna Iyer, T Velmurugan, A.H Gandomi, **V Noor Mohammed**, K Saravanan and S Nandakumar, “*Structural health monitoring of railway tracks using IoT-based multi-robot system*”, **Neural Computing and Applications**, 2020: pp.1-19; doi.org/10.1007/s00521-020-05366-9

- Narendiranath Babu T, Kiran Kamesh T, Sathvik N, Ramaprabha D, **Noor Mohammed V**, Razia Sultana W, Ramalinga Viswanathan M and Ajay Vannan M, “*Fault Analysis of Worm Gear Box Using Symlets Wavelet*”, **Archives of Acoustics**, 45(3), 2020, pp.521-540. DOI:10.24425/aoa.2020.134069
- **Noor Mohammed VM**, Sreenivasan PM, Ravishankar T, Hariharan S, Lakshmanan M. “*Energy –Efficient Resource allocation for Device-to-Device communication through noncooperative Game Theory*”, **International Journal of Communication System**, 33(6), 2020; e4279, doi.org/10.1002/dac4279.
- **Noor Mohammed V**, Rajkumar N, Lakshmanan M, Hariharan S, Nandakumar S, Velmurugan T, Palanivelan M. “*Uplink Resource Sharing and Power Management Scheme for an Underlay D2D Communication*”, **Wireless Personal Communication**, 110(2), 2019, pp. 637-650, doi.org/10.1007/s11277-019-06747-7
- **Noor Mohammed V**, Lakshmanan M. Palanivelan M and Sai Giri Ella, “*Development of an Enhanced Secured Authentication and Key Agreement Procedure for UMTS Network*”, **Wireless Personal Communication**, 110(1), 2020, pp. 467-483. doi.org/10.1007/s11277-019-06737-9
- Senthilkumar K, Palanivelan M, **Noor Mohammed V**, Helanvidhaya T, Yogalakshmi V, Bakayalakshmi V “*On the performance of code word diversity based quasi orthogonal space time block codes in multiple-input-multiple-output systems*”, **International Journal of Electrical and Computer Engineering**, 10(3), 2020, pp. 2535-2542.
- A. Dhariwal and **V Noor Mohammed**, “*Metamorphosis of 5G Wireless Communication: A Review*”, **Telecommunication and Radio Engineering**, 78 (17), 2019, pp.1567-1588.
- M Palanivelan, **V Noor Mohammed**, M Lakshmanan, “*WARP Implementation of Sliding Taxicab NORM Transform Technique for PAPR Reduction in OFDM system*”, **Telecommunication and Radio Engineering**, 78(13), 2019, pp.1143-1165.
- S Prabhu, M Lakshmanan and **V Noor Mohammed**, “*A Multimodal Authentication for Biometric Recognition System using Intelligent Hybrid Fusion Techniques*”, **Journal of Medical Systems**, 43:249, 2019, pp.1-9.
- Velmurugan T, Prakasam P, **Noor Mohammed V** and Saravanan K, “*Smart Carbage Monitoring and Navigation System using IoT*”, **International Journal on Innovation Technology and Exploring Engineering (IJITEE)**, 8(11), 2019, pp.3992-3996.

- S Nandakumar, T Velmurugan, **V Noor Mohammed**, P Sasikumar and K S Preetha, “*Optimizing the Vertical Handoff Decision Making Algorithm in 4G*”, **ARPN Journal of Engineering and Applied Sciences**, 13(3),2018, pp. 947-953.
- **V Noor Mohammed**, N. Srinatha, P. S Mallick, L Nithyanandan, “*Interference mitigation in Uplink STBC MC CDMA System Based on PIC receiver*”, **Radio Electronics and Communication System**, 60(11), 2017, pp.628-639
- **V Noor Mohammed**, M Lakshmanan, S.K Jayanth prabhu, S Nandakumar, T. Velmurugan and M Palanivelan, “*Analysis of ICI Cancellation in MC CDMA system using self cancellatin and extended Kalman filter method*”, **Telecommunication and Radio Engineering**, 76(07), 2017, pp.595-605.
- **V Noor Mohammed**, M Lakshmanan, M Palanivelan, Ankur Kar, P Tripathy, “*Mitigation of interference in MIMO Multicarrier CDMA system using sub carrier self cancellation for CFO compensation*”, **Telecommunication and Radio Engineering**, 75(13), 2016, pp.1153-1165.
- M. Lakshmanan, **V Noor Mohammed**, M. Palanivelan, M.V.C. Vamsikrishna. “*Channel Estimation for MISO OFDM System Using Improved Cyclic Delay Diversity*”, **Telecommunication and Radio Engineering**, 75(05), 2016, pp.425-440.
- Palanivelan M, Sheila Anand, M. Lakshmanan, **V Noor Mohammed**. “*Transform Based Approach For Peak to Average Power Ratio Optimization in MIMO-OFDM Broadband Wireless System*”, **International Journal of Advanced Engineering Technology**, 7(01), 2016, pp.638-641.
- **Noor Mohammed V**, P.S. Mallick, L. Nithyanandan, Aditya Kabra “*Performance Enhancement of PIC based STBC coded MC CDMA by MAI reduction using Binary Orthogonal Complementary Sequence*” **Telecommunication and Radio Engineering**, 74(11), 2015, pp.999-1012.
- **Noor Mohammed V**, P.S. Mallick, L.Nithyanandan, Srujan Dharmagadda, M Surendra Kumar, M. Palanivelan “*NORM Technique based PAPR reduction in MC CDMA system*”, **Journal of Information Communication Technology (ICT) research and application**, 9(2), 2015, pp.129-147.
- **Noor Mohammed V**, P.S. Mallick, L. Nithyanandan, N. Sricharan, “*MAI mitigation using V-BLAST and PIC based binary orhtogonal code spreaded Multi Antenna*

MC CDMA system", **International Journal on Communication, Antenna Propagation**, 5(3), 2015, pp.138-143.

- **Noor Mohammed V**, P.S. Mallick, L. Nithyanandan, Mohit Asrani, Mayank S, Aditya A Kabra "*De Bruijn Sequence based Peak Power Control and Interference Mitigation using MC CDMA System*", **Journal of Engineering Science and Technology**, 10(8), 2015, pp.972-981.
- **Noor Mohammed. V**, P.S. Malick, L. Nithyanandan, Mohit Asrani, M. Saxena, "*Blum Blum Shub Pseudorandom Sequence based Peak Power Control in MC CDMA System*", **IERI Procedia**, Vol.3, 2013, pp.309-315.
- **Noor Mohammed V**, P.S. Mallick, L. Nithyanandan, Aditya Kabra. "*Analysis of Interference Reduction in MC CDMA Using Binary Spreading Sequences*", **Australian Journal of Basics and Applied Sciences**, 7(8), 2013, pp.354-361.
- **Noor Mohammed V**, P.S Mallick, L.Nithyanandan. "*Analysis of VRPPIC and PPIC for SISO and SIMO MC-CDMA System*", **Journal of Theoretical and Applied Information Technology**, 47(3), 2013, pp.967-973.
- Rajesh R, M Lakshmanan, **V Noor Mohammed**. "*Implementation of Networked Control Systems using TCP/IP*" –**International Journal of Computer Applications**, ISSN 0975-8887, Vol – 18, No: 2, 2011. pp: 1 – 5.
- Lakshmanan M, **V Noor Mohammed**, S Nandakumar. "*Design of Enhanced Cross-layer Handoff Management Protocol for Next Generation Wireless Systems*", **CiiT International Journal of Networking and Communication Engineering**, ISSN 0974 – 9713, Vol – 1, No: 5, 2009. pp: 193 – 199.
- Lakshmanan M, **V Noor Mohammed**, S Nandakumar. "*Frequency Domain Equalization for Single Carrier Wireless Systems*", **CiiT International Journal of Networking and Communication Engineering**, ISSN 0974 – 9713, Vol – 1, No: 4, 2009. pp: 177 – 183.
- Lakshmanan M and **V Noor Mohammed**. "*An Adaptive Energy Efficient MAC Protocol for Wireless Sensor Networks*", **International Journal on Intelligent Electronic Systems**, ISSN 0973 – 9238, Vol – 3, No: 2, 2009. pp: 7 – 16.

Publications in National/International Conferences:

- “Smart Sectorization in Device-to-Device communication”, Sukriti Gautam, Prasun Ambastha, Rishabh Jain, **Noor Mohammed V**, IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking 2019 (ViTECoN’19), Vellore Institute of Technology, Vellore, March, 2019.
- “Handoff Mechanism in LTE Networks”, Preeti Lal, Vidhu Yamini, **Noor Mohammed V**, Proceeding of IOP Conference Series: Material Science and Engineering, 263,2017,pp.1-12.
- “Performance Analysis of Pattern Division Multiple Access Techniques in SIC and PIC Receiver”, Ruban Singh R, **Noor Mohammed V**, M. Lakshmanan, M. Palanivelan. Published in the proceeding of IEEE International Conference on Circuit Power and Computing Technology (ICCPCT-2017) held at Baseliros Mathews II College of Engg, Lake View, Muthupilakadu,Sasthamcotta, Kerala, India.
- “Optimized Allocation of Resources of D2D Communication”, Aparna Mukherjee, Debasamita Basu, **Noor Mohammed V**, M. Lakshmanan, M. Palanivelan. Published in the proceeding of IEEE International Conference on Innovations in Information Embedded and Communication Systems(ICII ECS-2017) held at Karpagam College of Engineering, Coimbatore, TN, India.
- “A Power Allocation Schemes for MIMO Cognitive Radio Networks”, Gholap Deepak Sidram, **Noor Mohammed V**, M. Lakshmanan, M. Palanivelan. Published in the proceeding of IEEE International Conference on Innovations in Information Embedded and Communication Systems(ICII ECS-2017) held at Karpagam College of Engineering, Coimbatore, TN, India.
- “Distance Based Uplink Resource Sharing for Device-to-Device Communication” Rajkumar. N, Lakshmanan. M, **Noor Mohammed. V**, Palanivelan. M, Published in the proceeding of IEEE International Conference on Electronics and Communication Systems (ICECS-2017) held at Karpagam College of Engineering, Coimbatore India. pp
- “Analysis of Spectrum Sensing in Cognitive Radio”- Kale Santosh, , **Noor Mohammed V**, Lakshmanan M, Palanivelan M, Published in the proceedings of IEEE International Conference on Innovation in Information, Embedded and Communication System (ICII ECS -2016) held at Karpagam Innovation Center, Coimbatore, India, pp.1083-1086.
- “Transmit Antenna Selection in MIMO Cognitive Radio Networks”- Varsha Honde, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of IEEE International Conference on Innovation in Information, Embedded and Communication System (ICII ECS -2016) held at Karpagam Innovation Center, Coimbatore, India, pp.848-852.
- “Analysis of Call Admission Control Algorithm in WiMAX Networks”- Chancal J Modani, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of IEEE

International Conference on Innovation in Information, Embedded and Communication System (ICIIECS -2016) held at Karpagam Innovation Center, Coimbatore, India, pp.475-479.

- **“Energy Control in 4G Networks”**- P. Siva Kumar, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of International Conference on Emerging Trends in Electronics Communication and Computing Technology (ICONTECH -2016) held at SCSVMV University, Kanchipuram, India, pp.156-160.
- **“Spectrum Sharing and Intercell Interference Mitigation in Wireless Cellular Networks”**- P. Shinde Ajay, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of International Conference on Emerging Trends in Electronics Communication and Computing Technology (ICONTECH -2016) held at SCSVMV University, Kanchipuram, India, pp.150-155.
- **“Spectrum Sensing in Cognitive Radio Networks over Fading Channel”** – Sonal Ghadge, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of Third International Conference on Green Technologies for Power Generation, Communication & Instrumentation (ICGPC-2016) held at St. Peter’s University, Chennai, India.
- **“Outage Analysis of co-operative and Non Co-operative Communication in Interference Limited Wireless Networks”** – Vasundhara, Lakshmanan M, **Noor Mohammed V**, Palanivelan M, Published in the proceedings of Third International Conference on Green Technologies for Power Generation, Communication & Instrumentation (ICGPC-2016) held at St. Peter’s University, Chennai, India.
- **“Adaptive Video Multicast Streaming over Multirate WLANs”** – **Noor Mohammed. V** and Lakshmanan. M, Published in the proceedings of National Conference on Innovations in Communication and Computation (NCICC-2014) held at K. S. Institute of Technology, Bangalore, India on 18.10.2014. pp: 102 – 109.
- **“Performance Analysis of WLAN’s MAC Access Mechanism”** – Lakshmanan. M, **V. Noor Mohammed**, R. Rajesh and S. Nandakumar, Published in the Proceedings of International Conference on VLSI Design and Communication Systems 2010 (ICVLSICOM10) held at Meenakshi Sundararajan Engineering College, Chennai, India on January 8 – 10, 2010. pp: 179 – 182.
- **“Qos Provisioning for Mobile and Fixed Wireless Real-Time Multimedia Services”** – Lakshmanan. M, **V. Noor Mohammed** and S. Nandakumar, Published in **IEEE Xplore** in the proceedings of Third IEEE International Conference on Internet Multimedia Systems Architecture and Application (IMSAA – 09) held at Bangalore, India on December 9 – 11, 2009. pp: 1 – 6.
- **“Reducing Congestion Effect in Wireless Network by Multipath Routing”** – Lakshmanan. M, **V. Noor Mohammed** and S. B. Narendaran, Published in the proceedings of Silver Jubilee Conference on Communication Technologies and VLSI Design (COMMV – 2009) held at VIT University, Vellore, Tamilnadu, India on October 8 – 10, 2009. pp: 216 – 220.

- **“A Joint approach for Peak to Average Power Ratio Reduction and Bandwidth Efficiency in OFDM”** – M. Palanivelan, Lakshmanan. M and **V. Noor Mohammed**, Published in the Proceedings of National conference on Wireless Networks and Security (NCWNS’08) held at Sri Venkateswara College of Engineering, Chennai, Tamilnadu, India on July 23 – 25, 2008. pp: 68 – 71.

Reviewer:

- Reviewer for an International Journal **“International Journal of Automation and Computing”** published by **Springer**.
ISSN: 1476-8186 (Print version)
ISSN: 1751-8520 (Electronic version)
- Reviewer for an **“Iranian Journal of Science and Technology, Transaction of Electrical Engineering”** published by **Springer**.
ISSN: 2228-6179 (Print version)
ISSN: 2364-1827 (Electronic version)
- Reviewer for an International Journal **“Journal of Engineering Science and Technology”** published by **Taylor’s University, Malaysia**.
Online ISSN: 1823-4690
- Reviewer for an International Journal **“International Journal of Computer Applications”**.
Online ISSN 0975-8887
- Reviewer for an **“IEEE International Conferences”**

Board of Studies Member :

- Board of Studies Member in **SONA COLLEGE OF TECHNOLOGY (Autonomous)**, Sona Nagar, Salem 636 005.
- Board of Studies Member in **KONGUNADU COLLEGE ENGINEERING AND TECHNOLOG (Autonomous)**, Namakkal –Trichy Main Road, Tholurpatti (PO), Thottiam (TK), Trichy (DT) – 621 215.
- Board of Studies Member in **SRI RAMAKRISHNA ENGINEERING COLLEGE (Autonomous)**, Vattaamalaipalayam, N.G.G.O Colony Post, Coimbatore 641 022.

Personal Information:

Father's Name : Vali Mohammed. A
Date of Birth : 09-April-1977
Sex : Male
Languages : Urdu, Hindi, Tamil & English
Permanent address : Plot No: 41, 4th Main Road
Bharathinagar Extension,
Vellore – 632 007.
Tamilnadu, India.

Declaration

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

Place: Vellore

Date: 16-11-2020

Yours Sincerely,

(Noor Mohammed. V)