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Present Position

Professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai from June-2012.

Previous Positions

- Associate professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during December-2010 and June-2012.
- Associate professor, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during December-2007 and December-2010.
- Lecturer Sr. Grade, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during August-2005 and December-2007.
- Lecturer, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during August-2000 and August-2005.
- Teacher Trainee, Department of Electronics and Communication Engineering, College of Engineering Guindy, Anna University, Chennai during August-1997 and August-2000.

Previous Additional Responsibility

- Coordinator, , Anna University, Chennai during June-2016 and June-2016.
- Anna University Representative, , Anna University, Chennai during January-2016 and January-2016.
- Coordinator, , Anna University, Chennai during October-2014 and June-2017.
- Additional Controller Of Examinations, College of Engineering Guindy, Anna University, Chennai during November-2006 and December-2006.
- Additional Controller Of Examinations, College of Engineering Guindy, Anna University, Chennai during November-2001 and December-2001.
- Resident Counselor, Girls Hostel, Anna University, Chennai during September-2000 and November-2004.

Other Employment

- , .
- Lecturer, CEG, Anna University for 2005-2007.

Degree

- ❖ M.E. in ELECTRONICS AND COMMUNICATION ENGG , CEG, Anna University (1997 - 1999).
- ❖ B.E. in ELECTRONICS AND COMMUNICATION ENGG , Govt. college of Technology, Bharathiyar (1993 - 1997).

Research Degree

- ❖ Ph.D. in Wireless communication, networks from Faculty of Information and communication, CEG, Anna University (2000 - 2006).
Title: Studies on novel routing algorithm for mobile ad hoc networks.

Area of Specialisation

- Wireless communication, Wireless networks, Adhoc network, Wireless Sensor Ne

Membership in Professional Organization

- ISTE

Research Guidance

Number of Ph.D Scholars Guided	: 9
Number of Ph.D Scholars Guiding	: 9
Number of M.S (By Research) Students Guiding	: 1
Number of M.E./ M.Tech. Projects Guided	: 35
Number of M.E./ M.Tech. Projects Guiding	: 3
Number of Ph.D Scholars Guided as Joint-Supervisor	: 1

Papers Published in Journals

Research Papers Published in International Journals	: 46
Research Papers Published in National Journals	: 0

1. M.A.Bhagyaveni and S.Shanmugavel, "Multipath routing with Self healing technique for Quality of Service (QoS)", IETE Journal of Education, Vol. 45, Issue 1, pp. 13-29 (2004).

2. M.A.Bhagyaveni and S.Shanmugavel, "Power Aided Zone based routing for Mobile Adhoc network", IETE Technical review, Vol. 22, Issue 6, pp. 435-448 (2005).
3. M.A.Bhagyaveni and S.Shanmugavel, "Performance of Ad-Hoc network routing protocols with environment awareness", International Journal of Information technology, Vol. 4, Issue 1, pp. 1-5 (2005).
4. M.A.Bhagyaveni and S.Shanmugavel, "Multicast routing for Adhoc Network using Diversity Coding", Indian Journal of Information and technology, Vol. 4, Issue 2, pp. 176-183 (2005).
5. Sankara Gomathi.S and M.A.Bhagyaveni, " Simulation of Scalability and Congestion Control of Broadband Intelligent Networks", Asian Journal of Information Technology, Vol. 7, Issue 2, pp. 571-576 (2008).
6. T.R.V. Anandharajan, Dr. M.A. Bhagyaveni, "Co-operative Scheduled Energy Aware Load-Balancing technique for an Efficient Computational Cloud", International Journal of Computer Science Issues, published by www.IJCSI.org. Vol. 8, Issue 2, pp. 571-576 (2011).
7. Suresh.Y, S.Arumugam, M.A.Bhagyaveni, "An Efficient Dynamic Queue Scheduling (DQS) on classified TCP flows for the internet Traffic", European Journal of Scientific Research, Vol. 55, Issue 4, pp. 481-486 (2011).
8. K. Chanthirasekaran, M.A. Bhagyaveni, "An Efficient Scheduling Scheme for Resource Utilization and Performance enhancement of multiuser MIMO wireless System", Information technology Journal, Vol. 10, Issue 7, pp. 1452-1456 (2011).
9. S.Mangai, M.A.Bhagyaveni, " Performance Enhancement of Bluetooth using Adaptive Controller ", Advances in Wireless Mobile Communication, Vol. 4, Issue 1, pp. 81-92 (2011).
10. K. Chanthirasekaran, M.A. Bhagyaveni, "An Optimized threshold based fair scheduling scheme for performance enhancement of Multiuser MIMO Systems", European Journal of Scientific Research, Vol. 51, pp. 79-87 (2011).
11. 16. Latha P and Bhagyaveni, MA and Ancilin,, "'VLSI Implementation of Reconfigurable WSN Node for Surveillance", ", European Journal of Scientific Research, , Vol. 92, Issue 2, pp. 238-256 (2012).
12. Rajakani Kalidoss and Bhagyaveni, MA, "Adaptive Duplex Technique for Reduction of Turnaround Time in IEEE 802.22", Global Trends in Computing and Communication Systems, Springer LNCS,, pp. 503-511 (2012).
13. A.Prasina and M.A.Bhagayveni,, "Heterogeneous IEEE 802.11s based wireless Mesh networks", European Journal of Scientific Research , Vol. 75, Issue 1, pp. 66-74 (2012).
14. Y. Suresh, S. Arumugam and M. A. Bhagyaveni, " A Forager Bee's Intelligence Inspired Dynamic Queue Scheduling for the Internet Traffic", Journal of Computer Science , Vol. 8, Issue 5, pp. 665-672 (2012).
15. Y.Suresh, S.Arumugam, M.A.Bhagyaveni, " Favoring Short Flows Without Punishing Long Flows for the internet Traffic Performance Improvement", International Journal of Information and Communication Technology Research, , Vol. 2, Issue 1, pp. 1-5 (2012).

16. 21. S.Ananthi, K.Chanthirasekaran and M.A.Bhagyaveni,, "Performance improvement of Multiuser mimo downlink system by volume based user scheduling and channel extension based linear precoding.(vbscep", International journal of wireless communication and simulation (ijwcs),, Vol. 4, Issue 2, pp. 95-103 (2012).
17. 17. G.Lydia Greeta Anandhi, K.Rajeswari, and M.A.Bhagayveni,, "Cooperative node selction for virtual MIMO in wireless sensor networks", International journal of technology and Engineering System (IJTES) , Vol. 3, Issue 1, (2012).
18. T.R.V.Anandharajan, Deepak Bhargavan, M.A. Bhagyaveni, "VM consolidation techniques in Cloud Data Centers", Journal of Theoretical and Applied Information Technology,, Vol. 53, Issue 2, (2013).
19. Anita, X and Martin Leo Manickam, J and Bhagyaveni, MA,, "Two-Way Acknowledgment-Based Trust Framework for Wireless Sensor Networks",", International Journal of Distributed Sensor Networks, (2013).
20. 12. Prasina A and Yogamithra, T and Bhagyaveni, MA, ", "Node Stability Based Client Routing for 802. 11 s Networks", , Information Technology Journal, Vol. 12, Issue 2, pp. 369-374 (2013).
21. R.Kalidoss, M.A.Bhagyaveni, S.Vishvakshan, B.Partibane, "Uplink Capacity Enhancement in IEEE 802.22Wireless Regional Area Network by Location Based Duplex Approach", Journal of Convergence Information Technology, Vol. 9, Issue 6, (2014).
22. 6. Latha, P.,Bhagyaveni, M.A.,Lionel, "A reconfigurable soc architecture for ship intrusion detection"", Journal of Theoretical and Applied Information Technology, , Vol. 60, Issue 1, pp. 95-105 (2014).
23. 9. Mohamed Ershadh, Phani Krishna, Bhagyaveni, and Savithri Subramanian,, "Design of a Novel Antenna and Its Characterization in Frequency and Time Domains for Ultra Wide Band Applications", Progress In Electromagnetics Research C,, Vol. 48, pp. 69-76 (2014).
24. 8. VenugopalAnandharajan, T.R.,Bhagyaveni ", "Trust Based VM Consolidation in Cloud Data Centers"", Communications in Computer and Information Science, , Vol. 420, pp. 103-114 (2014).
25. 7. Anita, X.,Bhagyaveni, M.A.,Martin Leo Manickam, ""Collaborative Lightweight Trust Management Scheme for Wireless Sensor Networks", Wireless Personal Communications, , Vol. 80, Issue 1, (2014).
26. 5. Anita, X.,Martin Leo Manickam, J.,Bhagyaveni, M.A, "Acknowledgement-based trust framework for wireless sensor networks", Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, Vol. 117, pp. 34-40 (2014).
27. 4. Rajeswari, K.,Bhagyaveni, M.A, "Probabilistic approach for selecting cooperative nodes in virtual MIMO based wireless sensor networks", ", International Journal of Applied Engineering Research, , Vol. 9, Issue 21, pp. 11225-11234 (2014).
28. Budaraju, S.M.,Bhagyaveni, "Software defined integrated RF frontend receiver design", Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST, Vol. 117, pp. 26-33 (2014).

29. Latha, P., Bhagyaveni, M.A., Preethi, "Efficient removal of impulse noise from video using adaptive threshold algorithm", ", Journal of Theoretical and Applied Information Technology, Vol. 64, Issue 1, pp. 22-31 (2014).
30. X. Anita, J. Martin Leo Manickam, and M. A. Bhagyaveni,, "Fuzzy-Based Trust Prediction Model for Routing in WSNs", The Scientific World Journal, (2014).
31. 10. R.Kalidosss, M.A.Bhagyaveni and K.S.Vishvaksenan, "A location based duplex scheme for cost effective rural broadband connectivity using IEEE 802.22 Cognitive radio based wireless regional area networks ", ", Fluctuation and Noise Letters, Vol. 13, Issue 4, (2014).
32. K. Chanthirasekaran, M.A. Bhagyaveni and L. Rama Parvathy, "Multi-Parameter Based Scheduling for Multi-user MIMO Systems", Journal of Electrical Engineering & Technology, published by Journal of Electrical Engineering & Technology. Vol. 10, Issue 6, pp. 709-718 (2015).
33. M. Subhashini , P. Latha, M. A. Bhagyaveni, " Design And Implementation of a Cascaded H-Bridge Multilevel Inverter By FPGA Controller for Photo Voltaic Application", International Journal For Technological Research In Engineering, published by www.ijtre.com. Vol. 2, Issue 7, pp. 633-637 (2015).
34. X. Anita, M. A. Bhagyaveni, J. MartinLeo Manickam, " Collaborative Lightweight Trust Management Scheme for Wireless Sensor Networks", Wireless Personal Communications, published by Springer. Vol. 80, Issue 1, pp. 117-140 (2015).
35. 1. R.K.Mugelan, P.Thilaga, M.A.Bhagyaveni, "EVM based performance analysis of LTE downlink & its real-time evaluation using WARP", International Journal of Applied Engineering Research,, Vol. 10, Issue 2, pp. 2401-2418 (2015).
36. M. Subhashini , P. Latha, M. A. Bhagyaveni, "Comparative Analysis of Harmonic Distortion of a Solar PV Fed Cascaded H-bridge Multilevel Inverter Controlled by FPGA and Diode Clamped Inverter", Indian Journal of Science and Technology, published by Indian Journal of Science and Technology. Vol. 8, Issue 16, pp. 1-8 (2015).
37. K. Rajeswari and M. A. Bhagyaveni, "Cooperative Node Selection in Virtual MIMO Based Wireless Sensor Network Using Maximum Aposteriori Estimation", ARPN Journal of Engineering and Applied Sciences, published by Asian Research Publishing Network (ARPN). Vol. 10, Issue 20, pp. 9287-9291 (2015).
38. M. Subhashini , P. Latha, M. A. Bhagyaveni, "Determining the Modulation Index and Switching Angles as a Mitigation Technique for Elimination of Harmonic Distortion Elimination in Cascaded-H-Bridge Multilevel Inverter Fed Solar Photo Voltaic Modu", International Journal For Technological Research In Engineering, published by International Journal For Technological Research I. Vol. 2, Issue 7, pp. 1285-1290 (2015).
39. M. Subhashini , P. Latha, M. A. Bhagyaveni, "Implementation of a Solar Photo Voltaic Module in Cascaded H-Bridge Multilevel Inverter Controlled by Xilinx System Generator Tool", International Journal For Technological Research In Engineering, published by International Journal For Technological Research I. Vol. 2, Issue 7, pp. 1291-1295 (2015).

40. T. Senthil Kumar and M.A.Bhagyaveni, "Customer friendly Fast and Dynamic Handover in Heterogeneous Network Environment ", e International Journal of Computer Science and Information Security (IJCSIS) , Vol. 14, pp. 64-73 (2016).
41. Sriramachandra Murthy Budaraju, M.A.Bhagyaveni, "A novel energy detection scheme based on channel state estimation for cooperative spectrum sensing", Computers & Electrical Engineering, published by ELSEVIER. (2016).
42. MUGELAN.R.K, CHANTHIRASEKARAN.K, BHAGYAVENI.M.A, "Enhanced Power Efficient Antenna Switching (EPEAS) for QoS Improvement of LTE Downlink", International Journal of Advanced Engineering Technology, published by technical Journals Online. Vol. 7, Issue 1, pp. 509-515 (2016).
43. Mugelan Ramakrishnan Kuppusamy, Syed Moinuddin Bokhari, and Bhagyaveni Marichala Anjaneyalu, " Error Vector Magnitude (EVM)-Based Constellation Combiner for Cooperative Relay Network", IEEE COMMUNICATIONS LETTERS, published by IEEE. Vol. 20, Issue 2, pp. 304-307 (2016).
44. Balamurugan Gopalakrishnan, Marcharla Anjaneyulu Bhagyaveni, "Random codekey selection using codebook without pre-shared keys for anti-jamming in WBAN", Computers and Electrical Engineering, published by Elsevier. Vol. 51, pp. 89-103 (2016).
45. Sriramachandra Murthy Budaraju, Bhagyaveni Marcharla Anjaneyulu, " Universal Band Pass Sampling Algorithm for Integration of Multiple Wireless Technologies Using Software Defined Radio Platform", Circuits and Systems, published by Scientific Research Publishing Inc. pp. 497-405 (2016).
46. Lavanya S, Fenila janet, M.A.Bhagyaveni, "Design of Cooperative Spectrum Sensing based spectrum access in CR networks using game theory", International Journal of Computer Science and Information Security (IJCSIS) , Vol. 14, pp. 1-10 (2016).

Papers Presented in Programmes

Research Papers Presented in International Programmes : 37
Research Papers Presented in National Programmes : 7

1. Sriramachandra Murthy Budaraju, Dr.M.A.Bhagyaveni, "A Novel Method of Band Pass Sampling for Down Conversion of Multiple RF Signals" presented in a International level conference on International Conference on Advances in Electrical & Electronics, AETAEE, India .
2. Syed Moinuddin Bokhari B and Bhagyaveni M A, "Real-time evaluation of EVM based Strict priority and Round robin Schedulers" presented in a International level conference on 3rd International Conference on Signal Processing, Communication and Networking (ICSCN) , India .
3. S.Lavanya, B.Sindhuja, M.A.Bhagyaveni, "Implementation of an Adaptive Spectrum Sensing Technique In Cognitive Radio Networks" presented in a International level conference on International Conference on Computing and Communications Technologies (ICCCT'15), organised by IEEE, India .

4. R.K.Mugelan, M.Anusiya, M.A.Bhagyaveni , "Performance Enhancement of Heterogeneous L TE Networks using Amplify and Forward Relaying with MRC Combining " presented in a International level conference on IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT), India .
5. M.A.Bhagyaveni and S.Shanmugavel, "Performance of output buffered sort banyan ATM switching network" presented in a International level conference on Asia-Pacific Telecom, 2000, organised by Vellore Engineering College, Vellore, India from 14-Dec-2000 to 15-Dec-2000.
6. M.A.Bhagyaveni and S.Shanmugavel, "Performance of Shadow cluster resource reservation mechanism in AdHoc networks" presented in a International level conference on SPIE International Conference , organised by Denver , Coloroda, USA from 20-Aug-2001 to 24-Aug-2001.
7. M.A.Bhagyaveni, S.Shanmugavel, and V.S.Venkatesh, "Performance Evaluation of Core-Extraction Distributed Ad Hoc Routing (CEDAR) Algorithm Using GloMoSim" presented in a National level conference on National Conf. on Signals Systems and Security, organised by PSG, Coimbatore, India from 02-Mar-2002 to 03-Mar-2002.
8. M.A.Bhagyaveni, S.Shanmugavel and S.Thavamani, "Performance Evaluation of Ticket Based Routing Algorithm for Adhoc Network Using Network Simulator (NS 2)" presented in a National level conference on National Conf. on Signals Systems and Security, organised by PSG, Coimbatore, India from 02-Mar-2002 to 03-Mar-2002.
9. M.A.Bhagyaveni, S.Shanmugavel, "Multipath Routing with Self – Healing technique for Quality of Service (QoS) Support in Mobile Ad hoc Networks (MANET)" presented in a International level conference on International Conference on Computer Communication 2002, organised by IIT, Mumbai, India from 11-Aug-2002 to 14-Aug-2002.
10. M.A.Bhagyaveni, S.Shanmugavel, J.Shanker, T. Sai Subrmaniam and S. Balaji, "Coded route diversity with RS code for QoS improvement of Multicast routing in Mobile Ad hoc Network" presented in a International level conference on Int. Conf. On Wireless Communication Networks, organised by SSN, Chennai, India from 26-Jun-2003 to 27-Jun-2003.
11. M.A.Bhagyaveni, S.Shanmugavel, J.Shanker, T. Sai Subrmaniam and S. Balaji, "Coded route diversity for QoS improvement of Multicast routing in Mobile Ad hoc Network" presented in a International level conference on IEEE TENCON 2003, organised by IISC, Bangalore, India from 14-Oct-2003 to 17-Oct-2003.
12. M.A.Bhagyaveni, S.Shanmugavel, J.Shanker, T. Sai Subrmaniam and S. Balaji, "Coded route diversity for QoS improvement of Multicast routing in Mobile Ad hoc Network" presented in a International level conference on IEEE TENCON 2003, organised by IISC, Bangalore, India from 14-Oct-2003 to 17-Oct-2003.
13. M.A.Bhagyaveni, S.Shanmugavel, "Environment aware routing for mobile ad hoc network" presented in a International level conference on IEEE International Conference on Wireless and Optical Communication Networks WOCN, organised by Sultan Qaboos University, Muscat , UAE from 07-Jun-2004 to 09-Jun-2004.

14. M.A.Bhagyaveni, S.Shanmugavel, "Environment aware routing for mobile ad hoc network" presented in a International level conference on IEEE International Conference on Wireless and Optical Communication Networks WOCN, organised by Sultan Qaboos University, Muscat , UAE from 07-Jun-2004 to 09-Jun-2004.
15. M.A.Bhagyaveni, S.Shanmugavel and B. Venkatalakshmi, "A model for Path Availability in ad hoc Networks" presented in a International level conference on Int. Conf. On Distributed Processing and Networking, organised by IIT,Khargpur, India from 11-Jun-2004 to 14-Jun-2004.
16. M.A.Bhagyaveni, S.Shanmugavel, "Power aided zone based routing for Mobile Ad hoc routing" presented in a International level conference on IEEE INDICON 2004, organised by IIT,Khargpur, India from 20-Dec-2004 to 22-Dec-2004.
17. M.A.Bhagyaveni, S.Shanmugavel, "Power aided zone routing for Mobile Ad hoc network" presented in a International level conference on International conference ICENCO 2004, organised by Faculty of Engineering, Cairo University, Cairo from 27-Dec-2004 to 30-Dec-2004.
18. K.Ramakrishnan, M.A.Bhagyaveni, S.Shanmugavel, "Dynamic Reconfigurable Routing for High Throughput in MANET" presented in a International level conference on ICSCN, organised by MIT, AU, India from 22-Feb-2007 to 27-Feb-2007.
19. Martin Leo Manickam, R. Bhuvaneswari, M.A. Bhagyaveni and S.Shanmugavel , "Resiliency Oriented Secure Routing Protocol for Mobile Ad-Hoc Networks" presented in a International level conference on National conference on Recent Advances in Computer Networks, India from 17-Mar-2007.
20. K.Chanthirasekaran and M.A.Bhagyaveni, "A Novel scheduling algorithm for MIMO based wireless networks" presented in a International level conference on ICSSC 2009, India from 01-Dec-2009.
21. P.Latha and M.A.Bhagyaveni, "Reconfigurable FPGA based intrusion detection system" presented in a International level conference on ICWCS 2010, organised by SSN, Chennai, India from 01-Jan-2010.
22. A.Prasina, M.A.Bhagayveni and D.Thangaraja, "Interoperability of Heterogeneous Wireless Mesh Networks" presented in a International level conference on International conference on Recent Advancements in Computing Technology (ICRACT' 11), organised by Bharath University, India from 30-Mar-2011 to 31-Mar-2011.
23. S.Mohammed ali Jinnah, K.Rajeshwari, Dr. M.A. Bhagyaveni , "Improving the Performance of Wireless Sensor Networks Using Beamforming Technique" presented in a International level conference on NCCNS'11, organised by Hindustan University. Chennai, India from 14-Apr-2011.
24. S.Muthukumar, T.Sasikala, Dr. M.A. Bhagyaveni, "Convergence of WSN with GSM for Remote Data Acquisition" presented in a International level conference on NCCNS'11, organised by Hindustan University. Chennai, India from 14-Apr-2011.
25. S.Mangai and Dr. M.A. Bhagyaveni, "Weight Rotation Technique for PAPR Reduction in OFDM" presented in a National level conference on NCSC'11, India from 01-May-2011.

26. Drayl.V.George, A.Prasina and Dr.M.A.Bhagyaveni, "Securing Wireless Mesh Network Against Wormhole attack" presented in a International level conference on International conference on Electronic Communication and Computing Technologies-2011, India from 12-Sep-2011 to 13-Sep-2011.
27. G.Lydia Greeta Anandhi, K.Rajeswari, and M.A.Bhagayven, "Cooperative node slection for virtual MIMO in wireless sensor networks" presented in a International level conference on International Conference on Futuristic Trends in Electronics Engineering (ICFTEE 2012), organised by Thiruvalluvar College of Engineering and Technology, Vandavasi., India from 28-Jan-2012 to 29-Jan-2012.
28. Mugelan R K, Latha P & Bhagyaveni M A, "Surveillance ROVER with 3G Live Video Streaming and GPS Tracker" International conference on Information" presented in a International level conference on International conference on Information, Computing and Telecommunications (ICICT-2012), organised by Interscience Research Network, India from 01-Apr-2012 to 02-Apr-2012.
29. R.Malathi, K.Chanthirasekaran and M.A.Bhagyaveni, "Effect of Per-User threshold scheduling over Different fading channels" presented in a National level conference on National conference on emerging trends in information and Communication – NCETIC -12, organised by MIT, AU, India from 27-Apr-2012.
30. M.Jansi Rani, K.Chanthirasekaran and Dr.M.A.Bhagyaveni, "Dynamic Resource Allocation with synchronized basesattion for multiuser scheduling" presented in a National level conference on National conference on emerging trends in information and Communication – NCETIC -12, organised by MIT, AU, India from 27-Apr-2012.
31. Lakkakula Ravikiran¹, U. Syed Abudhagir , T.R.V. Anandha Rajan M.A Bhagyaveni, "Multi-Criteria based efficient resource allocation in cloud computing" presented in a National level conference on National conference on Emerging trends and Developments in Information, communicationVLSI design and Embedded Systems, organised by Adhiyamaan Engineering College Hosur , India from 21-Sep-2012 to 22-Mar-2012.
32. R.Kalidosss, M.A.Bhagyaveni, Pradhyothana.B, Rohit.P.Jain, Shreenav Goswami, "Interference reduction in IEEE802.22 by hybrid division duplex approach" presented in a National level conference on National conference on emerging trends in information and Communication – NCETIC -13, organised by MIT, AU, India from 14-Apr-2013.
33. R.Kalidosss, M.A.Bhagyaveni and K.S.Vishvaksenan, "Performance of STTD-IDMA system in frequency-selective channel" presented in a International level conference on 2nd International conference on modern trends in science engineering and technology, 2014, organised by Zelus International , India from 10-Sep-2014 to 11-Sep-2014.
34. B.Syed Moinuddin Bokhari, S.Karhika, M.A. Bhagyaveni, "Optimal Peak Power Ordering (OPPO) in ZF-SIC for IEEE 802.11ac Industrial Standard" presented in a International level conference on IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT), organised by SVS College of Engineering & IEEE, India from 05-Mar-2015 to 07-Mar-2015.

35. G.Balamurugan & Dr. M.A. Bhagyaveni, "Random Code Key Selection Using Code Book To Enhance The Security Against Jamming Attack In WBAN" presented in a International level conference on ICNGCCT 2015, organised by Zelus International , Dubai from 22-Mar-2015 to 23-Mar-2015.
36. Syed Moinuddin Bokhari B and Bhagyaveni M A, "Performance evaluation of K-sphere detection using Recursive Block QR-Decomposition" presented in a International level conference on ICNGCCT 2015, organised by Zelus International , Dubai from 22-Mar-2015 to 23-Mar-2015.
37. T.Sasikala, V.Jawahar Senthil Kumar & M.A.Bhagyaven, "Cross Layer Optimized Faulty Node Re-energizer (CLOFNR) for WSN Using Genetic Algorithm" presented in a International level conference on ICNGCCT 2015, organised by Zelus International , Dubai from 22-Mar-2015 to 23-Mar-2015.
38. Mugelan R K, Thilaga P & Bhagyaveni M A, "Power Efficient Antenna Switching (PEAS) in LTE Downlink for Guaranteed QoS using WARP" presented in a International level conference on ICNGCCT 2015, organised by Zelus International , Dubai from 22-Mar-2015 to 23-Mar-2015.
39. Syed Moinuddin Bokhari B and Bhagyaveni M A, "Performance evaluation of LRA-ZF MIMO detection using two stage QR-Decomposition" presented in a International level conference on TITCON-2015, organised by AVS Engineering College, Salem, India from 10-Apr-2015 to 11-Apr-2015.
40. Ragavi S, M.A Bhagyaveni, "Dwell time and predicted mobility based handover for LTE networks" presented in a International level conference on IEEE International conference on Wireless communications, Signal processing and Networking, organised by SSN, Chennai, India from 23-Mar-2016 to 25-Mar-2016.
41. Fenila Janet M, Lavanya S, M A Bhagyaveni, "Performance analysis of cooperative spectrum sensing in Cognitive Radio using Game theory" presented in a International level conference on IEEE International conference on Wireless communications, Signal processing and Networking, organised by SSN, Chennai, India from 23-Mar-2016 to 25-Mar-2016.
42. Kousalya S., Lavanya S, M A Bhagyaveni, "Opportunistic AODV routing Protocol for Cognitive Radio Wireless Sensor Networks" presented in a International level conference on IEEE International conference on Wireless communications, Signal processing and Networking, organised by SSN, Chennai, India from 23-Mar-2016 to 25-Mar-2016.
43. Ann jenifer, Mangai, M.A.Bhagayveni, "Energy -Aware MAC for CRWSN" presented in a International level conference on International conference on wireless smart system technologies (WiSST'17), organised by National Engineering College, Kovilpatti, India from 05-Jan-2017 to 07-Jan-2017.
44. "Performance evaluation of IDMA UFMC modulation Scheme for 5G networks" presented in a International level conference on International conference on wireless smart system technologies (WiSST'17), organised by National Engineering College, Kovilpatti, India from 05-Jan-2017 to 07-Jan-2017.

Books Published

1. "Introduction to Analog and Digital Communication" authored by Dr. M.A.Bhagyaveni, Dr. R.Kalidass, Dr.K.S. Vishvakshan and published by River publisher, Neitherland.(2016)
2. "Cognitive Radio – An Enabler for Internet of Things" authored by Dr.S.Shanmugavel, Dr.M.A.Bhagyaveni, Dr. R.Kalidas and published by River, Denmark.(2017)

Current Sponsored Projects

1. "An improved resource utilization approach with normalized rate based scheduler for Multiuser MIMO systems" (December-2012.. Project Cost: 9.00.

Sponsored Projects Completed

1. "Identification of Communication System for Situation aware unit" (November-2010 - March-2010). Project Cost: 9.97.

Programme Chaired

1. Chairman, International level conference titled "IEEE International conference on wireless communications, signal processing and networking" conducted by SSN Engineering college, Chennai from 23-Mar-2016 to 25-Mar-2016.
2. Chairman, International level conference titled "Advances in computational intelligence in communication" conducted by Pondicherry Engineering College from 20-Oct-2016 to 31-Dec-1969.

Programme Organized

1. Co-Coordinator, National level workshop on "two day workshop on 'Mobile ad hoc networks" " from 26-Dec-2002 to 27-Dec-2002.
2. coordinator, National level workshop on "one day workshop on MEMS" from 10-Jan-2003.
3. Coordinator, National level Short Course on "Electronic System Design Laboratory" from 09-Jan-2004 to 11-Jan-2004.
4. Coordinator, National level Short Course on "Electronic System Design Laboratory" from 23-Jun-2004 to 25-Jun-2004.
5. Technical committee member , National level conference on "National conference on signals systems and Communication -NCSSC -2005 " from 01-Jun-2005 to 02-Jun-2005.
6. Co-Coordinator , National level conference on "National conference NCSSC -2006" from 01-Jun-2006 to 02-Jun-2006.
7. Coordinator, National level workshop on "one day workshop on "Computer Networking"" from 14-Oct-2006.
8. coordinator, National level workshop on "of two day workshop on "Computer Networking practice"" from 24-Nov-2006 to 25-Nov-2006.

9. coordinator, National level workshop on "two day workshop on "Research Challenges in Wireless and Optical Communication" " from 30-Mar-2007 to 31-Mar-2007.
10. Co-Coordinator, National level conference on "National conference NCSSC -2007 " from 01-Jun-2007 to 02-Jun-2007.
11. Coordinator, National level Short Course on "Digital Communication" from 24-Nov-2008 to 30-Nov-2008.
12. Coordinator, National level Short Course on "Mobile Communication" from 02-Dec-2008 to 11-Dec-2008.
13. Technical committee member , International level conference on "International conference on signals systems and Communication -2009" from 22-Dec-2009 to 23-Dec-2009.
14. coordinator, National level workshop on "one day workshop on wireless system design using SDR " from 14-Oct-2010.
15. Coordinator, National level Short Course on "Wireless Communication" from 20-May-2012 to 26-May-2012.
16. co-ordinator, National level workshop on "Recent research techniques in next generation wireless networks" from 21-Aug-2015 to 22-Aug-2015.
17. Co- ordinator, National level workshop on "Wireless sensor networks and its use in IoT" from 20-Nov-2015.
18. coordinator, National level workshop on "communication networks" from 06-Jan-2017 to 07-Jan-2017.

Programme Attended

1. Participated in a National level workshop on "Recent trends in Quality and reliability systems" organized by Dept. of Manufacturing Engg., CEG, AU , Chennai, India from 04-Jan-2002 to 05-Jan-2002.
2. Attended a National level Short Course on "High Speed Networks" organized by DECE, CEG, AU, India from 21-Jan-2002 to 02-Feb-2002.
3. Attended a National level Short Course on "AISTE/ISTE Short term training Prog. On Wired and wireless Computer communication" organized by PSG CT, Coimbatore, India from 10-Nov-2002 to 23-Nov-2002.
4. Participated in a National level workshop on "Workshop on Mobile Ad hoc Networks" organized by SECE, CEG,AU,Ch, India from 26-Dec-2002 to 27-Dec-2002.
5. Attended a National level Short Course on " FDP on TQM" organized by Dept. of Manufacturing Engg., CEG, AU , Chennai, India from 09-Jun-2003 to 13-Jun-2003.
6. Attended a National level Short Course on "FDP on Electronic System Lab" organized by DECE, CEG, AU, India from 23-Jan-2004 to 25-Jan-2004.

7. Participated in a National level workshop on "VLSI and EMBEDDED System Tool, VEST-2005" organized by DECE, CEG, AU, India from 25-Jan-2005 to 25-Oct-2005.
8. Attended a National level Short Course on "FDP on Quantitative techniques for research in Engineering and Management" organized by Dept. of IE and CFD, India from 08-Feb-2007 to 09-Feb-2007.
9. Participated in a National level workshop on "National workshop on Ad-hoc Networks" organized by DECE, MIT, AU, India from 22-Mar-2007 to 23-Mar-2007.
10. Participated in a National level workshop on "Research challenges in wireless and optical communication Networks" organized by DECE, CEG, AU, India from 30-Mar-2007 to 31-Mar-2007.
11. Participated in a National level workshop on "One day workshop on Emerging trends in VLSI and ASIC design" organized by DECE, CEG, AU, India from 07-Apr-2007.
12. Participated in a National level workshop on "Workshop on network simulators for wireless systems" organized by DECE, MIT, AU, India from 08-Sep-2007.
13. Attended a National level Short Course on "FDP on Digital Communication" organized by DECE, CEG, AU, India from 24-Nov-2008 to 30-Nov-2008.
14. Attended a National level Short Course on "FDP on Mobile Communication" organized by DECE, CEG, AU, India from 02-Dec-2008 to 08-Dec-2016.
15. Participated in a National level conference on "One day workshop on embedded system" organized by Dept. of ECE, CEG, AU & cybermotion technologies pvt.ltd. Hyderabad, India from 20-Feb-2009.
16. Attended a National level seminar on "International Symposium on women empowerment and technical education" organized by Department of Education, NITTTR, chennai, India from 06-Mar-2009.
17. Participated in a National level workshop on "Workshop on SDR based wireless communication system design" organized by DECE, CEG, AU, India from 09-Oct-2009.
18. Participated in a National level workshop on "Next generation wireless technologies-Long term evolution (NGWT-LTE)" organized by DECE, MIT, AU, India from 04-Dec-2009 to 05-Dec-2009.
19. Participated in a National level workshop on "Workshop on "ANSOFT high frequency applications" organized by DECE, CEG, AU, India from 26-Feb-2010.
20. Attended a International level seminar on "BSNL training" organized by BSNL, Meenambakkam, India from 27-Mar-2010.
21. Attended a National level Short Course on "FDP on Digital Communication" organized by DECE, CEG, AU, India from 30-Jun-2010 to 02-Jul-2010.
22. Participated in a National level workshop on "Two days workshop on network simulator (Ns2) and GloMoSim" organized by DECE, PEC, Pondicherry, India from 09-Jul-2010 to 10-Jul-2010.

23. Participated in a National level workshop on "Cloud computing" organized by IIT, Madras, India from 18-Aug-2010 to 20-Aug-2010.
24. Participated in a National level workshop on "two day workshop on Embedded system design – From idea to Product" organized by TI and IIT Madras, India from 30-Oct-2010 to 31-Oct-2010.
25. Participated in a National level workshop on "QIP on Quantum Electronics and Lasers" organized by IIT Madras, India from 22-Nov-2010 to 26-Nov-2010.
26. Participated in a National level workshop on "Two weeks ISTE workshop on Database Management Systems" organized by IIT Bombay under national mission on Education through ICT, India from 13-Dec-2010 to 23-Dec-2010.
27. Attended a National level Short Course on "AICTE-QIP spon Recent trends in computer networks" organized by RCC, AU, India from 18-Apr-2011 to 30-Aug-2011.
28. Participated in a International level workshop on "Purchase procedures of Anna University" organized by Anna institue of management, India from 29-Sep-2011 to 30-Mar-2011.
29. Attended a National level seminar on "National level technical seminar on" Issues in preparing Research thesis and project proposal"" organized by Dept. of IE, Anna University Chennai , India from 16-Mar-2012 to 17-Mar-2012.
30. Participated in a National level workshop on "Two days workshop on Internet of Things (IOT) - Technology of Tomorrow" organized by DECE, Anna uNiversity, Chennai, India from 26-Nov-2015 to 27-Nov-2015.
31. Participated in a National level workshop on "Routledge Editorial workshop 2016" organized by Taylor & Francis at Anna university, India from 03-Aug-2016.
32. Attended a International level Short Course on "cognitive radio and wirelless communication, therory and practice" organized by IIT kanpur, India from 01-Sep-2016 to 10-Sep-2016.

Special Repräsentations

1. Selection committee member in CDAC from 06-Feb-2008 to30-Sep-2016.
2. Technical staff member in UbiCom from 18-Oct-2008 to19-Oct-2008.
3. Board of studies member in GCT, Coimbatore from 03-Jan-2014 to25-Nov-2015.
4. Academic council member in NEC, Kovilpatti from 07-Jan-2015 to20-Sep-2016.
5. Board of studies member in SNS Engineering college, Coimbatore from 24-Sep-2016 to24-Sep-2018.
6. Board of studied Member in Kumaraguru college of Technology, Coimbatore from 01-Jun-2017 to31-Dec-1969.
7. Expert for Interview to recruit Deputy manager-II in Tamil nadu public service commission from 30-Jan-2017 to31-Dec-1969.

8. Expert Member for upgradation to MPEG-4 and increa in Tamilnadu cable TV from 15-May-2017 to31-Dec-1969.

Honours

1. "Best Paper award" given by Zelus International from Dubai (2015).

Experience Abroad

1. Visited zelus international, Dubai, UAE from 23-Apr-2015 to 24-Apr-2015. Purpose of visit :paper presentation.

Invited Lectures

1. Delivered a Lecture on "Internet Protocol and SNMP" in QIP short term on Network Programming Security and Management organized by RCC,CEG,Anna University, Chennai (04-Jun-2003).
2. Delivered a Lecture on "Energy efficient protocols in WSN" in STP on Wireless sensor networks-Issues and Challenges organized by DECE, School of Electronics and Technology, Pondic, Pondicherry (14-Nov-2013).
3. Delivered a Lecture on "OFDM" in Guest lecture organized by Velammal Engineering college, Chennai (14-Aug-2015).
4. Delivered a Lecture on "Cognitive Radio" in 5 days National level workshop on Roadmap towards 5G wireless Infrastructure (R5GW) organized by DECE, School of Electronics and Technology, Pondic, Pondicherry (04-Nov-2015).
5. Delivered a Lecture on "CR Adhoc and sensor networks" in STC on Recent trends in Development of Communication:Cognitive Radio organized by DECE,Pondicherry Engineering College, Pondicherry (30-Dec-2015).
6. Delivered a Lecture on "Internet of Things(IoT)" in IEEE 2nd International conference on Human computer interactions organized by Saveetha Engineering college, Chennai (10-Mar-2016).
7. Delivered a Lecture on "IOT" in REACT 2016 organized by SRM, Chennai, Chennai (02-Apr-2016).
8. Delivered a Lecture on "Presentation Layer and Network security" in FDP on CS6551-Computer Networks organized by Dept. of Electronics Engineering, MIT, Chrompet (02-Dec-2016).
9. Delivered a Lecture on "Context Interference & cognitive awareness" in DRDO sponsored National Conference on Intelligent information systems organized by School of Computing Sciences, Hindustan University, Chennai (28-Feb-2017).

Extension & Outreach Programme

1. Deliver web content Lecture, Deliver web content Lecture on Mobile Communication-2009, participated by Students of Affiliated Engineering Colleges, Tamil Nadu and funded by FDP Anna University Chennai at Centre for FDP Anna University Chennai during and . No. of participants: 0.
2. Deliver web content Lecture, Edu Sat Programme on Mobile Communication-2010, participated by Students of Affiliated Engineering Colleges, Tamil Nadu and funded by FDP Anna University Chennai at Centre for FDP Anna University Chennai during 04-Jan-2010 and 31-Mar-2010. No. of participants: 0.
3. Deliver web content Lecture, Edu Sat Programme on Communication Theory-2011, participated by Students of Affiliated Engineering Colleges, Tamil Nadu and funded by FDP Anna University Chennai at Centre for FDP Anna University Chennai during 01-Mar-2011 and 31-Mar-2011. No. of participants: 0.
4. Deliver Web Content Lecture, Edu Sat Programme on Mobile Adhoc Networks-2012, participated by Students of Affiliated colleges, Anna University chennai,Tamil Nadu and funded by FDP, Anna University chennai at Centre for FDP, Anna University chennai during 04-Jan-2012 and 28-Mar-2012. No. of participants: 0.
5. Deliver Web Content Lecture, Edu Sat Programme on Digital Communication-2012, participated by Students of Affiliated colleges, Anna University chennai,Tamil Nadu and funded by FDP, Anna University chennai at Centre for FDP, Anna University chennai during 04-Jul-2012 and 26-Nov-2012. No. of participants: 0.