

BIODATA

Name : **Dr.L.Nithyanandan**
Designation : **Professor**
Address : Department of Electronics and Communication Engg.,
Pondicherry Engineering College,
Pillaichavady, Pondicherry-605 014.
Mobile : 94434 55879
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Educational Qualification : **D.E.E.E., B.E.(ECE), M.Tech.(ECE), Ph.D.(ECE).**

Sl. No	Examination/ Degree	Board/ University	Month & Year of Passing	Overall Percentage	Class
1	SSLC	State Board, Tamil Nadu	March 1985	86.2%	I Class
2	Diploma in EEE	State Board of TE & T, DOTE, Tamil Nadu	April 1988	89%	I Class
3	B.E in ECE	University of Madras	April 1992	72.5%	I Class
4	M.Tech in ECE	Pondicherry University	February 1999	9.09 CGPA	I Class Gold Medalist
5	Ph.D. in ECE	Pondicherry University	December 2006	Commended	-

Academic Experience :

Sl. No	Institute/ University	Designation	Duration		Length of service in years
1.	Pondicherry Engineering College	Professor	Feb. 2014	Till date	-
2.	Pondicherry Engineering College	Associate Professor	Feb. 2011	Feb. 2014	3 Years
3	Pondicherry Engineering College	Assistant Professor	Feb. 2008	Feb. 2011	3 Years
4	Pondicherry Engineering College	Senior Lecturer	Feb. 2005	Jan. 2008	3 Years
5	Pondicherry Engineering College	Lecturer	Feb. 2000	Jan. 2008	5 Years
6	Adhiparasakthi Engineering College, Melmaruvathur	Lecturer	May 1995	Jan. 2000	4 Years 8 Months

Achievements :

1. Pondicherry University **Gold medal** for outstanding performance in M.Tech.
2. **Chief Minister's prize, Government of Pondicherry, Gold plated silver medal** for best academic record in M.Tech.
3. **Best project award** for the M.Tech. Project "Optimal design of DS-CDMA receiver for dynamic environment".

Responsibilities in PEC:

Government of Puducherry:

1. Member of UG CENTAC, Government of Puducherry (2001-02,2002-03 & 2005-06)
2. Member of PG CENTAC, Government of Puducherry (2007-08,2008-09,2010-11,2011-12,2012-13,2013-14,2014-15,2016-17 & 2017-18)
3. Member of Lateral Entry CENTAC, Government of Puducherry (2009-10)

College Level:

1. Associate Dean - Examinations (2016 to 2018)
2. Coordinator of PEC e-procurement cell (2013-14 & 2014-15)
3. Convener of PEC e-procurement cell (2015-16 & 2016-17)
4. Advisor of PEC IPR Cell (2016-17)
5. Co-convener of PEC Students Disciplinary committee (2018-2019)
6. Member of PEC FIST Committee (2015-16,2016-17,2017-18 & 2018-19)

Department Level:

1. Coordinator of ENC INFO '09,the Nano edition of Department magazine (2008-09)
2. Coordinator of VSNL Sponsored Panel Discussion (2013-14 & 2015-16)
3. Coordinator of UG NBA Accreditation committee (2013-14)
4. Senior Coordinator of PG NBA Accreditation committee (2014-15,2015-16,2016-17 & 2017-18)
5. Coordinator of ECE students' council, Genesis -2k16 (2015-16)
6. Coordinator of B.Tech ECE Credit Seminar (2013-14)
7. Coordinator of B.Tech ECE Industrial visit/Inplant Training (2013-2014)
8. Coordinator of B.Tech ECE Project Review Committee (2016-17)
9. Coordinator of M.Tech WC Project Review Committee (2015-16)
10. Coordinator of M.Tech ECE Project Review Committee (2019-20)
11. Coordinator of Department RUSA Academic Audit committee (2017-18)
12. Faculty in charge of Department Library (2008-09,2009-10,2010-11,2011-12)
13. Faculty in charge of ECE Smart Class Room (2015-16,2016-17,2017-18 & 2018-19)
14. Faculty in charge of ECE PG Simulation Laboratory (2016-17 & 2017-18)
15. Faculty in charge of Wireless Communication Laboratory (2018-19 & 2019-20)
16. Faculty moderator of QEEE courses on Plane waves and Maxwells Equations(2016-17)
17. Member of ECE Board of Studies,PEC.
18. Member of B.Tech ECE Project Review Committee(2008-09,2011-12 & 2014-15)
19. Member of M.Tech ECE Project Review Committee(2007-08,2009-10,2012-13 & 2017-18)
20. Member of M.Tech WC Project Review Committee(2010-11 & 2018-19)
21. Member of Department Procurement Committee(2018-19 & 2019-20)

List of Publications

INTERNATIONAL JOURNALS

1. M.Arulaalan and **L.Nithyanandan.**, “Development of Triangular Shaped Dual band 802.11 WLAN Applications”, *Asian Journal of Information Technology*, Vol.22,No.2,pp.212-217, 2017.(ISSN 1682-3915)
2. V.Bharathi and **L.Nithyanandan**, “QoS Improved Energy Efficient Cooperative Relaying in Heterogeneous Networks Using Heterogeneous Relays”, **SPRINGER Wireless Personal Communication**, Vol.96, No.3 , pp.4367-4384,October 2017.
3. R.Vijayarani and **L.Nithyanandan**, “Dynamic slot-based carrier scheduling scheme for downlink multimedia traffic over LTE advanced networks with carrier aggregation”, **Turkish Journal of Electrical Engineering & Computer Sciences**, Vol.25, No.4 , pp.2796-2808, August 2017.(ISSN 1300-0632)
4. R. Vijayarani and **L. Nithyanandan**, “Specific Buffer-Aided Full Duplex Relaying over LTE Advanced Networks,” **International Journal of Mobile Network Design and Innovation**, **Inderscience publishers**, Vol. 7, No. 1, pp.15- 21, Jan. 2017. (ISSN 1744-2869)
5. R.Vijayarani and **L.Nithyanandan**, “Dynamic Cooperative Base Station Selection Scheme for Downlink CoMP in LTE Advanced Networks”, **SPRINGER Wireless Personal Communication**, Vol.92, No.2 , pp.667-679,January 2017.
6. M.Arulaalan and **L.Nithyanandan.**, “Dual Band Microstrip Antenna for WLAN/WiMAX applications”, *International Journal on Communications Antennas and Propagation*, Vol.6,No.3,11,pp.132-137,June 2016.(ISSN 2039-5086)
7. V.Bharathi and **L. Nithyanandan**, “Modified dynamic network selection algorithm for heterogeneous overlaid networks”, **Journal of Theoretical and Applied Information Technology**, Vol. 86, No. 1, pp. 150 – 158, April 2016. (ISSN 1992-8645).
8. R. Srinivas , **L. Nithyanandan**, G. Umadevi, C. S. Padmavathi and Radha Nayani, “Remote-sensing satellite ground station evaluation using QPSK emulator with test pattern and PRBS generation”, **SPRINGER CEAS Space Journal**, Vol.7,No.4 , pp.399-417,December 2015.(ISSN 1868-2502).
9. R.Vijayarani and **L.Nithyanandan**, “Prioritized Dynamic Carrier Scheduling in Downlink LTE-A Networks with Carrier Aggregation”, **International Journal of Applied Engineering Research**, Vol.10 No.70 , pp.37-44,2015.(ISSN 0973-4562).
10. R.K.Rubbala and **L.Nithyanandan**,”Optimal Relay Placement and Power Allocation in LTE-Advanced system”, **International Journal of Applied Engineering Research**, Vol. 10. No.20 , PP.15608-15612, 2015. (ISSN 0973-4562).
11. R.Srinivas, **L. Nithyanadan** , P.V.V.Subba Rao and G.Umadevi , Real-time validation of Indian Remote Sensing Satellite data down link chain performance and evaluation of online data analysis with BER measurement, *ELSEVIER Journal of Aerospace Science and Technology*, Vol.41, pp.116-121,February 2015.
12. Bharathi. V. and **Nithyanandan. L.**, “Performance analysis of WIMAX–WLAN overlay networks using modified dynamic speed sensitive call admission control”,

13. M.Arulaalan and L.Nithyanandan., “Analysis of triangular Microstrip Patch antenna with Koch boundary for WLAN application”, *Int Journal of recent trends in Engineering & Technology*, Vol.11,No.2,pp.105-112,June 2014
14. R.Srinivas R, L.. Nithyananadan , P.V.V.Subba Rao and G.Umadevi , “Design and Implementation of High Speed, High Data Rate Automatic Flywheel Logic for IRS Satellite Series”, **International Journal of Enhanced Research in Science Technology & Engineering**, Vol. 3,No.1,pp.120-124, January 2014. (ISSN 2319-7463).
15. N. Tamilarasan and L. Nithyanandan, “Performance of the MIMO-MC-CDMA System with channel estimation and MMSE Equalization”, **Journal of Theoretical and Applied Information Technology**, Vol. 59, No. 2, pp. 436 – 441, January 2014. (ISSN 1992-8645).
16. R.Srinivas,L.Nithyanandan, P.V.V.Subba Rao, “Evaluation of Remote sensing Satellite ground station performance in PRBS local loop, TPG loop mode from far field Boresight and validation of Satellite Downlink chain for Indian Remote sensing satellite ”, **International Journal of Electronics and Communication Engineering & Technology (IJECET)**, Vol. 4, No. 4, pp.119-125,July-August,2013 (ISSN :0976 – 6464)
17. L.Nithyanandan, V.Bharathi and P.Prabhavathi, “User Centric Network Selection in Wireless Hetnets”, **International Journal of Wireless & Mobile Networks (IJWMN)**, Vol. 5, No. 3, pp.45-59, June 2013.
18. L.Nithyanandan and J. Susila @ Sandhiya ,“ Resource allocation algorithms for QoS Optimization in Mobile WiMax Networks”, **International Journal of Wireless & Mobile Networks (IJWMN)** ,Vol. 5, No. 3, pp.77-91, June 2013.
19. L.Nithyanandan and I. Parthiban, “Vertical handoff in WLAN-WIMAX-LTE heterogeneous networks through gateway relocation”, **International Journal of Wireless and Mobile Networks (IJWMN)**,Vol.4,No.4, pp. 203-215, August 2012. (ISSN 0975-4679)
20. R.Yuvaraj and L.Nithyanandan, “Performance Analysis of MIMO MC-CDMA through Subcarrier Allocation”, **International Journal on Recent Trends in Engineering and Technology**, Vol. 6, No. 2, pp. 227 – 230, November 2011. (ISSN 2158-5563).
21. N. Tamilarasan and L. Nithyanandan, “Performance of the MIMO-MC-CDMA System with MMSE Equalization”, **International Journal on Recent Trends in Engineering and Technology**, Vol. 6, No. 2, pp. 223 – 226, November 2011. (ISSN 2158-5563).
22. L.Nithyanandan, S.Thirunavukarasu and P. Dananjayan, “Virtual sub carrier based frequency and phase Synchronization Algorithm for MC CDMA system”, **International Journal of Computer theory and Engineering (IJCTE)**, Vol.2, No.3, pp.425-430, June 2010. (ISSN 1793-8201).
23. L.Nithyanandan, G.Sivarajesh and P.Dananjayan, “Modified GPSR Protocol for Wireless Sensor Networks”, **International Journal of Computer and Electrical Engineering (IJCEE)**,Vol.2, No.2, pp.328-332, April 2010.(ISSN 1783-8163).

24. **L.Nithyanandan** and P.Dananjayan ,“Coverage and cost optimization of Uniform and Non uniform mixed sensor networks”, **International Journal of Emerging Technologies and Applications in Engineering, Science and Technology**, Vol. 2, No. 2, pp.213-216, July 2009.(ISSN 0974-3588)
25. V.Nagarajan, **L.Nithyanandan** and P.Dananjayan, “A Game Theoretic Approach with Pricing Strategy for Energy Efficient Modulation in MIMO MC-DS-CDMA system”, **International Journal of Computer Applications in Engineering, Technology and Sciences**, Vol. 1, No. 2, pp.656-659, April 2009. (ISSN 0974-3596)
26. **L.Nithyanandan** and P.Dananjayan, “Analytical BER Computation for MC-CDMA System with Iterative HIC Receiver”, **International Journal of Electronics Engineering**, Vol. 1, No. 1, pp. 67-73, January 2009. (ISSN 0973-7383)
27. **L.Nithyanandan** and P.Dananjayan, “Modified Frequency and Frame Synchronization Algorithms for MC CDMA System”, **Information Technology Journal**, Vol. 5, No.2, pp.273-280, 2006. (ISSN 1812-5638)

INTERNATIONAL CONFERENCES:

28. P. Bhuvanewari and **L. Nithyanandan** , “Improving Energy Efficiency in Backhaul of LTE A Network with Base Station Cooperation”, Proceedings of 8th International Conference on Advances in Computing and Communication (ICACC-2018),Elsevier Procedia Computer Science, Vol.143,PP. 843–851, Sep.2018
29. Srinivasa Rao Patri and **L.Nithyanandan**, “Energy Efficient Data Transmission for Narrow Band IOT Devices using Double Auction”, Proceedings of International Conference on Advances in Communication, Network, and Computing, CNC,PP.176-181,2019
30. R.Vijayarani and **L.Nithyanandan**, , “Selective Interference Rejection based Antenna Selection for MIMO over LTE Advanced Networks ” , Proceedings of the Elsevier 6th International Conference On Advances In Computing & Communications, ICACC 2016, Procedia Computer Science, Vol. 93 ,pp. 624 – 631 ,September 2016.
31. R.Shanthini and **L.Nithyanandan**, “**Dynamic weight adjustment scheduling for Healthcare service in Heterogeneous Network**”, International Conference on Emerging Trends in Electronics , Communication and Computing Technology (ICONTECH’16), pp.91-98,May 2016.
32. K.Pooarasi and **L.Nithyanandan**, “**A Smartphone centric approach for patient monitoring** ”, International Conference on Emerging Trends in Electronics ,Communication and Computing Technology (ICONTECH’16), pp.120-125,May 2016.
33. R.Yuvaraj, **L.Nithyanandan** and Emmanuel Nehemiah, “Capacity Enhancement with Reduced Complex Receiver Antenna Selection Algorithm for MIMO MC-CDMA system in Mobile WiMAX Networks”, Proceedings of the **IEEE International Conference on Power, Control, Communication and Computational Technologies foe Sustainable Growth(PCCCTSG 2015)**,pp.267-272,December 2015.

34. V.Nithya and L.Nithyanandan, “**Mobile WiMAX network with coded co-operative Relaying**”, IEEE International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS), pp.1-5, March 2015
35. R.Vijayarani and L.Nithyanandan, , “Downlink Joint Processing CoMP Channel Estimation with Partial Channel State Information in LTE Advanced System”, Proceedings of the **IEEE International Conference on Advanced Communication Control and Computing Technologies (ICACCCT 2014)**,pp.739-743,May 2014.
36. N. Tamilarasan and L.Nithyanandan, “Performance of MIMO MC-CDMA System with Channel Estimation, Equalization and relay”, Proceedings of the **IEEE International Conference on Electronics,Communication and Computational Engineering(ICECCE 2014)**,pp.169-172,2014.
37. V. Bharathi and L. Nithyanandan, “Modified Hybrid Coupled Architecture for UMTSWiMAX-WLAN Overlay Networks using IMS” , IEEE International Conference on Communication and Signal Processing ICCSP’14, pp.1543-1547,April , 2014.
38. K.R.Shenthil Kumar and L. Nithyanandan, “Medical Video Communication using Modified HEVC over WiMAX Network” , IEEE International Conference on Communication and Signal Processing ICCSP’14, pp.1508-1512,April , 2014.
39. N.Madhusudhanan and L. Nithyanandan, “Compress-and-Forward Relaying with Polar Codes for LTE-A System”, IEEE International Conference on Communication and Signal Processing ICCSP’14, pp.1497-1501, April, 2014.
40. M.Arulaalan and L.Nithyanandan, “Analysis of Microstrip Line Feed Triangular Patch Antenna for WLAN (2.4GHz)”, **Proceedings of the Elsevier Fifth Int. Conf. on Advances in Communication, Network, and Computing, CNC 2014**, pp.802-806, February 2014.
41. N. Tamilarasan and L.Nithyanandan, “Performance of MIMO MC-CDMA System with Channel Estimation, Equalization and Beamforming”, **Proceedings of the Elsevier Fifth Int. Conf. on Advances in Communication, Network, and Computing, CNC 2014**, pp.659-667, February 2014.
42. V. Bharathi and L.Nithyanandan, “Efficient Cooperative Relaying in UMTS-WiMAXWLAN Overlaid Heterogeneous Networks”, **Proceedings of the Elsevier Fifth Int. Conf. on Advances in Communication, Network, and Computing, CNC 2014**, pp.273-284, February 2014.
43. M.Arulaalan and L.Nithyanandan, “Return Loss and Gain Improvement in an Inset Fed Triangular Patch Antenna using Koch Boundary”, **Proceedings of the Elsevier International Conference on Recent Trends in Communication and Computer networks COMNET – 2013**, pp.54-57, November,2013.
44. N. Tamilarasan and L. Nithyanandan, “Performance of the MIMO MC-CDMA System with Beamforming”, Proceedings of the **Fourth IEEE International Conference on Computing, Communication and Networking Technologies**, pp.1-5, July, 2013.
45. V. Bharathi. and L. Nithyanandan, “Traffic Aware Dynamic Speed Sensitive CAC for IMS Based UMTS-WiMAX-WLAN Overlay Networks ”, Proceedings of the **Fourth IEEE International Conference on Computing, Communication and Networking Technologies**, pp.50-55, July, 2013.

46. P.Prabhavathi and **L.Nithyanandan**, “Network Selection in wireless Heterogeneous Networks” **IEEE International Conference on Communications and Signal Processing, ICCSP’13**, pp. 357-361, April 2013.
47. J.Susila @ Sandhiya and **L.Nithyanandan**, “Resource and QoS Optimization for Multicasting in Mobile WiMAX Networks” **IEEE International Conference on Communications and Signal Processing, ICCSP’13**, pp. 362-366, April 2013.
48. M.Arulaalan and **L.Nithyanandan**, “Return Loss Improvement in an Inset Fed Triangular Patch Antenna” **IEEE International Conference on Communications and Signal Processing, ICCSP’13**, pp. 864-867, April 2013.
49. R.Srinivas,**L.Nithyanandan**, P.V.V.Subba Rao, P.Naveen Kumar and G.Umadevi,, “Advanced High Speed Parallel Frame Synchronizer for High Data Rate Indian Remote Sensing Satellite” **IEEE 5th International conference on computers and devices for communication (CODEC)-RSS**,December,2012.
50. Bharathi.V and **Nithyanandan.L**, ”Dynamic Speed Sensitive CAC for WiMAX-WLAN Overlay Architecture”, **IEEE International Conference On Emerging Trends in Science Engineering and Technology INCOSSET-2012**,pp.334-338,December 2012.
51. **L.Nithyanandan** and I. Parthiban, “Seamless vertical handoff in heterogeneous networks using IMS technology”, **IEEE International Conference on Communication and Signal Processing, ICCSP’12**, pp. 32-35, April 2012.
52. R.Srinivas,**L.Nithyanandan**, G.Umadevi, P.V.V.Subba Rao, P.Naveen Kumar, “Design and Implementation of S-Band Multi-mission Satellite Positioning Data Simulator for IRS Satellites”, **IEEE Applied Electromagnetics Conference (AEMC)**, pp.1-4,Kolkata,India,December 2011.
53. V.Nagarajan, P.Dananjayan and **L.Nithyanandan**, “On the performance of chaotic spreading sequence MIMO MC-DS/CDMA systems using NPGP”, **International conference on Control, Automation, Communication and Energy Conservation, INCACEC – 2009**, pp. 730-734, Kongu Engineering college, June 2009.
54. **L.Nithyanandan**, S.Thirunavukarasu and P.Dananjayan, “Virtual sub carrier based frequency Synchronization algorithm for MC CDMA System”, Proc. of **IEEE International conference on Wireless and Optical Communication Networks, IEEE WOCN 2006**, April 2006, Bangalore. (ISBN 1-4244-0340-5/06).
55. **L.Nithyanandan** and P.Dananjayan, “Analytical BER Computation for Interference Cancellation Receiver in MC CDMA System”, Proc.of **XVIII URSI General Assembly 2005** held at Vignyan Bhavan, 23-29 October,2005, New Delhi .
56. **L.Nithyanandan**, RSaravanaprabu and P.Dananjayan, “Hybrid interference cancellation receiver for MC CDMA system”, Proc. of **2005 IEEE International Conference on Personal Wireless Communications (ICPWC 2005)**, pp.465-469, 23-25 January, 2005, New Delhi, India.
57. **L.Nithyanandan** and P.Dananjayan, “Distributed Protocol for ATM extended banyan networks”, **Proc.of International conference ASIA PACIFIC TELECOM-2000** on

Advances in Telecommunications and Information technology organized by Vellore Engineering College, pp.162-169, 14-16 December,2000, Vellore.

58. P.Dananjayan and **L.Nithyanandan**, “Optimal design of DS-CDMA receiver for dynamic environment”, Proc. of **Second International Conference on Information, Communications and Signal processing (ICICS)** organized by School of Electrical and Electronic Engineering, Nan yang Technological University,7-10 December, 1999, Singapore.

NATIONAL CONFERENCES:

59. **L.Nithyanandan** and P.Dananjayan, “Modified frame synchronization algorithm for MC CDMA system”, Proc. of **Eleventh National Conference on Communications NCC 2005** organized by The Joint Telematics Group of The IITs/ IISc at Indian Institute of Technology, pp. 119-123,Jan.28-30,2005, Kharagpur.
60. **L.Nithyanandan** and P.Dananjayan, “Integrated Services over the ATM based Personal Communication Networks”, Proc. of **7th Annual Convention and National Seminar on Recent Advances, Growth and Achievements in Modern Engineering towards 2020 (RAGAME 2004)** Organized by Indian Society for Technical Education (Tamilnadu and Pondicherry Section),Pondicherry, pp.59-63,Nov.26-27,2004,Pondicherry.
61. **L.Nithyanandan** and P.Dananjayan, “Hybrid interference cancellation receiver for DS CDMA systems”, Proc.of **Tenth National Conference on Communications NCC 2004** organized by The Joint Telematics Group of The IITs/ IISc at Indian Institute of Science, pp. 126-130, Jan.30 –Feb.1,2004, Bangalore.
62. **L.Nithyanandan** and P.Dananjayan, “Optimized call admission scheme for heterogeneous services in CDMA based wireless access network”, Proc.of **AECOVISION 2003**,National Seminar – Emerging Trends in Communication and Networks, organized by Arunai Engineering College, Dec.26–27, 2003,Tiruvannamalai.
63. G.Sivaradje, **L.Nithyanandan** and P.Dananjayan, “A Guaranteed rate allocation algorithm for ATM-ABR service with and without connection estimation”, Proc. of **Ninth National Conference on Communications NCC 2003** organized by The Joint Telematics Group of The IITs/ IISc at Indian Institute of Technology, pp. 334-338, Jan.31 –Feb. 2,2003, Chennai.
64. **L.Nithyanandan** and P.Dananjayan, “Multimedia Personal Communication over Wireless ATM network”, Proc. of **National Conference on Convergence of Technologies by 2010** Organized by Arunai Engineering college, pp 173-178,Jan. 20-22,2001, Tiruvannamalai.
65. G.Nagarajan, **L.Nithyanandan** and P.Dananjayan, “Information superhighway through cable MODEM”, Proc.of **Southern regional conference 2000 on teleworking-IT enabled services** Hosted by Computer Society of India-Pondicherry Chapter , pp 39-49,20 May, 2000, Pondicherry.

Details of RPS Project Completed

Title of the Project	Funding Agency	Amount Sanctioned	Duration
A framework for wireless health care services in disastrous and emergency situations	AICTE-RPS	Rs.18 lakhs	Three Years (2013-16)

Details of Ph.D Scholars Completed

S.No.	Name of the Scholar	Date of Registration	Date of Viva	Title of the Thesis
1	Dr.V.Bharathi	24.11.2011	08.07.2016	Performance Improvement in Wireless Heterogeneous Networks Through User Centric Techniques
2	Dr.N.Tamilarasan	02.03.2011	16.09.2016	Performance Improvement of MIMO MC-CDMA System Using Equalization, Beam forming and Relay
3	Dr.R.Srinivas	25.11.2011	07.11.2016	Real time BER Measurement Based Link Quality Test System for Remote Sensing Satellite Ground Station.
4	Dr.M. Arulalaan	05.12.2012	26.03.2018	Studies on Triangular Microstrip Patch Antenna with Koch Boundary for MIMO Application.
5	Dr.R.Vijayarani	07.12.2012	03.08.2018	QoS Improvement Techniques for Downlink LTE Advanced Networks

Details of STTP/FDP/Workshop Organized

1. Coordinated Two weeks AICTE sponsored FDP on “Security in Wireless Heterogeneous Networks-Issues and Challenges” from 15th to 26th April, 2013.
2. Coordinated One week TEQIP sponsored STTP on “Application of Image Processing Techniques in Next Generation Wireless Networks” from 20th to 24th May, 2013.
3. Coordinated Two days workshop on “Qualnet ”
4. Coordinated Two days workshop on “Internet of Things” from 12th to 13th February, 2016.
5. Coordinated Two days workshop on “Placement” from 13th to 14th February, 2016.
6. Coordinated Three days National level Technical symposium Genesis 2k16 on “wireless security” from 24th to 26th February, 2016.

Details of Guest Lectures Delivered

1. A Lecture on “**Last mile connectivity- Requirements, Challenges and Trends**” delivered in AICTE recognized TCS sponsored FDP on “Broadband solutions for last mile connectivity” organized by Department of Electronics and Communication Engineering, Pondicherry Engineering College ,Pondicherry on 8th December 2006.
2. A Lecture on “**OFDM and OFDMA**” delivered in AICTE-ISTE sponsored STTP on Emerging trends in Embedded and Wireless technology organized by Department of Electronics and Communication Engineering, Mailam Engineering College, Mailam on 19th March, 2007.
3. A Lecture on “**Mobile Communication** ” delivered in SPACE’07 organized by Department of Electronics and Communication Engineering ,S.K.P Engineering College, Tiruvannamalai on 20th September 2007.
4. A Lecture on “**Beyond 3G System**” delivered in National workshop on Recent Trends in Wireless Information Networks and Systems organized by Department of Electronics and Communication Engineering, Sri Sairam Engineering college, Chennai and sponsored by DRDO, Delhi on 01st February 2008.
5. A Lecture on “**OFDM and OFDMA**” delivered in AICTE sponsored SDP on “Recent Challenges and Trends in Modern Communication systems & Networking” organized by Sri Manakula Vinayagar Engineering College, Madagadipet, on 7th February,2008.
1. A Lecture on “**3G and Beyond**” delivered in Thanthai Periyar Government Institute of Technology as part of the students council activity of Department of Electronics and Communication Engineering on 26th February 2009.
2. A Lecture on “**Communication – Past, Present and Future**” delivered at Valliammai Engineering College, Kattankulathur during the forenoon session of 10th December 2009.
3. A Lecture on “**4G Standard – Recent trends in mobile communication**” delivered in wireless communication systems workshop, Conducted by the e-sat association, Department of Electronics and Communication Engineering, Arunai Engineering College on 13th February, 2010.
4. A Lecture on “**Beyond 3G System**” delivered in National workshop on Recent Trends in Wireless Information Networks and Systems organized by Department of Electronics and Communication Engineering, Sriram Engineering college, Chennai and sponsored by CSIR, on 7th July 2010.
5. A Lecture on “**3G and Beyond**” delivered at Department of Electronics and Communication Engineering, Arunai Engineering College, Thiruvannamalai on 3rd September, 2010.
6. A Lecture on “**Mobile Radio Propagation**” delivered at Department of Electronics and Communication Engineering,Adhiparasakthi Engineering College, Melmaruvathur on 12th February, 2011.
7. A Lecture on “**Recent Trends in Mobile Communication**” delivered in Department of Electronics and Communication Engineering, Christ College of Engineering and Technology on 17th September 2011.
8. A Lecture on “**Research issues in OFDMA and MU MIMO**” delivered in Department of Electronics and Communication Engineering, Adhiparasakthi Engineering College during one day workshop on 9th February 2012.

9. A Lecture on **“Evolution of Mobile Communication”** delivered in Department of Electronics and Communication Engineering, Ganesh College of Engineering and Technology on 17th march 2012.
10. A Lecture on **“Trends and challenges in Mobile Computing”** delivered in Department of Electronics and Communication Engineering, Christ College of Engineering and Technology during the AICTE sponsored Faculty development programme on SDP on Wireless Communication and Networking Technology on 9th May 2012.
11. A Lecture on **“Wireless Communication”** delivered in Department of Electronics and Communication Engineering, IFET College of Engineering and Technology during the inauguration of ECE students association Yearly activities on 13th July 2012.
12. A Lecture on **“Filters and Equalizers”** delivered in Department of Electronics and Communication Engineering, Sri Manakula Vinayagar Engineering College on 2nd March,2013.
13. A Lecture on **“Introduction to Heterogeneous Networks”** delivered in Department of Electronics and Communication Engineering, Pondicherry Engineering College during the AICTE sponsored Faculty development programme on 17th April 2013.
14. A Lecture on **“Micro Electronics for LTE Networks”** delivered in Department of Electronics and Communication Engineering, Pondicherry Engineering College during the ISTE SRM sponsored STTP on 4th May 2013.
15. A Lecture on **“Next Generation Wireless Networks”** delivered in Department of Electronics and Communication Engineering, Pondicherry Engineering College during the TEQIP sponsored STTP on 20th May 2013.
16. A Lecture on **“OFDM and OFDMA”** delivered in Department of Electronics and Communication Engineering, MAM College of Engineering and Technology, Tiruchirappalli during the AICTE sponsored Faculty development programme on 28th November 2013.
17. A Lecture on **“Frequency management and Long Term Evolution”** delivered in Department of Computer Science and Engineering, Pondicherry Engineering College during the TEQIP sponsored STTP on 04th December 2013.
18. A Lecture on **“Research Issues in Wireless Networks”** delivered in the inauguration of Two days workshop on Network Simulation software by Department of Electronics and Communication Engineering, Alpha College of Engineering and Technology, Puducherry on 26th September 2014.
19. A Lecture on **“MIMO - OFDM Techniques”** delivered in Department of Electronics and Engineering, school of Engineering and Technology, Pondicherry University during 5 day National level workshop on roadmap towards 5G Wireless infrastructure on 3rd November 2015.
20. A Lecture on **“Spectrum sharing and Resource allocation in Cognitive Radio Networks ”** delivered in Department of Electronics and Communication Engineering, Pondicherry Engineering College during the QIP sponsored Short Term course on Recent Trends in Development of Communication: Cognitive Networks on 1st December 2015.
21. A Lecture on **“Internet of Mobile Things”** delivered in Department of Electronics and Communication Engineering, Pondicherry Engineering College during the TEQIP sponsored Short Term Training program on 29th June 2016.
22. A Lecture on **“Mobile computing Applications and Characteristics & Structure of Mobile Computing Application”** delivered in Department of Computer Science and Engineering,

University College of Engineering Tindivanam during the Anna University, Centre for Faculty Development sponsored Faculty Development Training program on 24th November 2016.

23. A Lecture on “**Internet of Power Things**” delivered in Department of Electrical and Electronics Engineering, Pondicherry Engineering College during the AICTE sponsored QIP Short Term Training program on ICT solutions for Issues and Challenges in Smart Grid Technology on 2nd December 2016.
24. A Lecture on “**Internet of Smart Things**” delivered in Department of Computer Science and Engineering, Pondicherry Engineering College during the AICTE sponsored QIP short term course on “Enabling Technologies to aid smart city frame work” on 07th February 2017.
25. A Lecture on “**IoT-Issues and Challenges**” delivered in Department of Electronics and Communication Engineering, Faculty of Engineering and Technology, SRM University, Kattankulathur during the workshop on Next Generation Networks:4G and beyond”, on 14th September 2017.
26. A Lecture on “**Massive MIMO for 5G mm Wave Ultra High speed wireless networks**” delivered in Department of Electronics and Communication Engineering, Pondicherry Engineering College during the AICTE sponsored QIP short term course on 5G mm Wave Radio Transmission for Ultra High speed wireless Technologies on 16th November 2017.
27. A Series of Lectures on “**Digital Communication Systems**” delivered in Faculty Development Programme for VIT SENSE faculty organized by School of Electronics Engineering (SENSE) from 11th to 13th June, 2018.
28. A Lecture on “**QOS in Multimedia Wireless Networks - 4G and 5G**” , delivered in Department of Electronics and Communication Engineering, Pondicherry Engineering College during the AICTE QIP - Short Term Course on Recent trends in Wireless Multimedia Communications on 27th March, 2019