



Dr. L. NITHYANANDAN
B.Tech, M.Tech., Ph.D., MISTE
ASSOCIATE PROFESSOR

Name : **Dr.L.Nithyanandan**
Designation : **Associate Professor**
Address : Department of Electronics and Communication Engg.,
Pondicherry Engineering College,
Pillaichavady, Pondicherry-605 014.
Mobile : 94434 55879
Mail : nithi@pec.edu

Date of Birth : 17.09.1969

2. 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 | Marks | Overall Percentage | Class |
|--------|---------------------|---|-------------------------|-----------|--------------------|-----------------------|
| 1 | SSLC | State Board, Tamil Nadu | March 1985 | 431/500 | 86.2% | I Class |
| 2 | Diploma in EEE | State Board of TE & T, DOTE, Tamil Nadu | April 1988 | 1068/1200 | 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 | - |

3. Academic Experience :

| Sl. No | Institute/ University | Designation | Duration | | Length of service in years | Whether UG/PG | Permanent/ Temporary/ Contract/ Consolidated |
|--------|---|---------------------|-----------|-----------|----------------------------|---------------|--|
| | | | From | To | | | |
| 1. | Pondicherry Engineering College | Associate Professor | Feb. 2011 | Till date | 3 Years 2 months | UG&PG | Permanent |
| 2 | Pondicherry Engineering College | Assistant Professor | Feb. 2008 | Feb. 2011 | 3 Years | UG&PG | Permanent |
| 3 | Pondicherry Engineering College | Senior Lecturer | Feb. 2005 | Jan. 2008 | 3 Years | UG&PG | Permanent |
| 4 | Pondicherry Engineering College | Lecturer | Feb. 2000 | Jan. 2008 | 5 Years | UG&PG | Permanent |
| 5 | Adhiparasakthi Engineering College, Melmaruvathur | Lecturer | May 1995 | Jan. 2000 | 4 Years 8 Months | UG | Permanent |

4. Research Guidance

No. of Ph.D. Scholars pursuing research: 6

Area of Research : Wireless Communication, Satellite Communication and Antennas

5. Publication Details

INTERNATIONAL JOURNALS

1. 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**).
2. 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 (IJCET)**, Vol. 4, No. 4, pp.119-125,July-August ,2013 (ISSN :**0976 – 6464**)
3. **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. (ISSN: **1992-8645**)

4. **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. (ISSN: 1992-8645)
5. **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)
6. 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).
7. 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).
8. **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).
9. **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).
10. **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)
11. 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)
12. **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)
13. **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:

1. 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.
2. 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.
3. 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.
4. V. Bharathi. and **L. Nithyanandan**, “Efficient Cooperative Relaying in UMTS-WiMAX –WLAN Overlaid Heterogeneous networks” , Elsevier Proc. of Int. Conf. on Advances in Communication, Network, and Computing, CNC 2014,pp.273-184,February 2014.
5. N. Tamilarasan and **L. Nithyanandan**, “Performance of MIMO MC-CDMA System with Channel Estimation, Equalization and Beamforming ” , Elsevier Proc. of Int. Conf. on Advances in Communication, Network, and Computing, CNC 2014,pp.659-667,February 2014.
6. M.Arulaalan and **L.Nithyanandan**, “Analysis of Microstrip Line Feed Triangular Patch Antenna for WLAN (2.4GHz)”, Elsevier Proc. of Int. Conf. on Advances in Communication, Network, and Computing, CNC 2014, pp.802-806,February 2014.
7. M.Arulaalan and **L.Nithyanandan** , “Return Loss and Gain Improvement in an Inset Fed Triangular Patch Antenna using Koch Boundary”, Elsevier International Conference on Recent Trends in Communication and Computer networks COMNET – 2013,pp.54-57, November ,2013
8. 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.
9. 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.
10. 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.
11. 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.

12. 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.
13. 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.
14. 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.
15. **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.
16. 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.
17. 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.
18. **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).
19. **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 .
20. **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.
21. **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.

22. 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:

1. **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.
2. **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.
3. **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.
4. **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.
5. 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.
6. **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.
7. 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.

6. Courses Attended

1. Participated in AICTE –ISTE sponsored SDP on “Summer School on Recent Trends in Communication Engineering” organized by Shanmuga College of Engineering, Thirumalaisamudarm, Thanjavur from **8th to 21st May 2000**.
2. Participated in AICTE sponsored “Three week Induction Training programme for Teachers in Engineering Colleges” organized by Pondicherry Engineering College, Pondicherry from **16th April 2001 to 04th May 2001**.
3. Participated in AICTE-ISTE sponsored Two week STTP on “System Modelling and Simulation” organized by Department of EIE, Pondicherry Engineering College, Pondicherry from **18th to 29th November 2002**.
4. Participated in one day workshop on “Wireless Communication” organized by BSNL, Chennai and IIPC, Pondicherry Engineering College, Pondicherry on **28th March 2003**.
5. Participated in AICTE sponsored SDP on “Computational Intelligence for System Automation and Communication” organized by Sri Manakula Vinayagar Engineering College, Madagadipet from **18th to 28th December 2006**.
6. Participated in AICTE sponsored SDP on “Advances in Embedded and wireless Technology” organized by Sri Manakula Vinayagar Engineering College, Madagadipet from **18th to 28th January 2007**.
7. Participated in AICTE sponsored STTP on “Design and Simulation in Control Systems Engineering” organized by Department of EIE, Pondicherry Engineering College, Pondicherry from **01st to 15th June 2007**.
8. Participated in TCS sponsored FDP on “Thinking for design: A conceptual and pedagogical tool for the Engineering Teachers” organized by T & P cell, Pondicherry Engineering College, Pondicherry on **12th and 13th October 2007**.
9. Participated in AICTE sponsored SDP on “ Recent trends in parallel and Distributed systems – Architectures, Operating systems and Algorithms”, organized by Department of Computer Science and Engineering, Pondicherry Engineering College, **from 16th to 27th November 2009**.
10. Participated in AICTE sponsored SDP on “ Smart Operation and Control of Electrical Machines and power systems”, organized by Department of Electrical and Electronics Engineering, Pondicherry Engineering College, **from 2nd to 12th June 2010**.
11. Participated in Two Weeks STP on “ Recent Trends in Information Security”, organized by Department of Computer Science and Engineering , Pondicherry Engineering College, **from 29th November to 10th December 2010**.
12. Participated in ISTE sponsored SDP on “Nano Engineering Materials”, organized by Department of Physics, Pondicherry Engineering College, **from 13th to 23rd December 2010**.

13. Participated in AICTE sponsored SDP on “ Design of embedded systems-issues and challenges”, organized by Department of Computer Science and Engineering, Pondicherry Engineering College, **from 16th to 27th April 2012.**
14. Participated in TEQIP sponsored One week FDP on “ Emphasis on smart operation and control of power markets using power electronic components”, organized by Department of Electrical and Electronics Engineering, Pondicherry Engineering College, **from 19th to 23rd November 2012.**
15. Participated in TEQIP sponsored One week FDP on “ Recent Advances in Green Engineering” components”, organized by Department of Electronics and Communication Engineering, Pondicherry Engineering College, **from 03rd to 07th December 2012.**
16. Participated in AICTE sponsored SDP on “Advances in software Architecture,Engineering,Modelling Tools and Programming Practices”, organized by Department of Computer Science and Engineering, Pondicherry Engineering College, **from 27th May to 7th June 2013.**
17. Participated in TEQIP sponsored One week FDP on “Wireless Sensor Networks-Issues and Challenges”, organized by Department of Electronics and Communication Engineering, Pondicherry Engineering College, **from 11th to 15th November 2013.**

7. Expert 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.

6. 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.
7. A Lecture on **“Communication – Past, Present and Future”** delivered at Valliammai Engineering College, Kattankulathur during the forenoon session of 10th December 2009.
8. 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.
9. 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.
10. A Lecture on **“3G and Beyond”** delivered at Department of Electronics and Communication Engineering, Arunai Engineering College, Thiruvannamalai on 3rd September, 2010.
11. A Lecture on **“Mobile Radio Propagation”** delivered at Department of Electronics and Communication Engineering, Adhiparasakthi Engineering College, Melmaruvathur on 12th February, 2011.
12. 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.
13. Conducted workshop on **“Research issues in OFDMA and MU MIMO”** delivered in Department of Electronics and Communication Engineering, Adhiparasakthi Engineering College on 9th February 2012.
14. 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.
15. A Lecture on **“Trends and challenges in Mobile Computing”** delivered in Department of Electronics and Communication Engineering during AICTE sponsored Two weeks SDP on Wireless Communication and Networking Technology, Christ College of Engineering and Technology on 9th May 2012.
16. 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.
17. A Lecture on **“Filters and Equalizers”** delivered in Department of Electronics and Communication Engineering, Sri Manakula Vinayagar Engineering College on 2nd March, 2013.

18. 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.
19. 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.
20. 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.
21. A Lecture on **“OFDM and OFDMA”** delivered in Department of Electronics and Communication Engineering, MAM College of Engineering and Technology, Tiruchirapalli during the AICTE sponsored Faculty development programme on 28th November 2013.
22. 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.

8. Area of Specialization

Mobile communication, Sensor networks, Spread Spectrum Communication, Telemedicine and multicarrier communication

9. Membership Details: Life member of ISTE

10. Courses / Workshops 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 on 25 & 26.03.2014.

11. Industrial/International Relationship

A project titled “A Frame work for wireless health care services in disastrous and emergency situations” through AICTE-RPS Grant of Rs.18 lakhs in coordination with Dr. M. Nachiappan, Consultant Cardio Thoracic Surgeon, A.G. Padmavathy Hospital, Puducherry.

12. Courses Taught

Circuit Theory, Analog Communication System, Microwave Engineering, Control systems, Biomedical Instrumentation, Communication Engineering, Electronics Circuits, Cellular Mobile Communication, Digital Communication, Network & Transmission Lines, CDMA & OFDM for Wireless Communication, OFDM for Wireless Communication ,Communication Lab I,II and III, control system simulation Lab, Networks and Transmission Lines Lab.

13. Board of Studies (Membership Details if any): Nil

14. Reviewer of Journals and Books etc.: Nil

15. Any other relevant information

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".