



Ms. R. Sandanalakshmi
B.Tech.,M.Tech., MISTE
ASSISTANT PROFESSOR

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EDUCATIONAL QUALIFICATIONS:

Exam Passed	Year of passing	University/Board Name of Institution	Main Subject / Specialization	%/ CGPA
B.E	1998	University of Madras	Electronics and Communication Engineering	71%
M.Tech	2000	Pondicherry University	Electronics and Communication Engineering	7.4 CGPA
PhD	2012	Pondicherry University	Studies On QoS Improvement For OFDM Based Wireless Networks	-

EXPERIENCE:

Name of the Organization	Period	Posted at Designation
Rajiv Gandhi College of Engineering & Technology Affiliated to Pondicherry University	June 2000-April 2003	Lecturer
Dr.MGR Deemed University	June 2003 - June 2005	Lecturer
Rajiv Gandhi College of Engineering & Technology Affiliated to Pondicherry University	August 2005 - May 2007	Senior Lecturer
Pondicherry Engineering College Affiliated to Pondicherry University	June 2007 till date	Assistant Professor

WORKSHOPS ATTENDED

Sl.No	(Seminar/ Conferences/ Workshop)	Title	Department	Date From	Date to
1	AICTE sponsored SDP	Recent trends in parallel and distributed systems-Architecture , operating systems and algorithms	Department of CSE	16th November 2009	27th November 2009
2	WIPRO	Mission 10X	WIPRO	1th February 2010	5th February 2010
3	ISTE sponsored STP	Nano Engineering materials	Department of Physics	13th December 2010	23th December 2010
4	AICTE sponsored SDP	Computational Intelligence to power system Analysis, Control & Optimization	Department of EEE	6th June 2011	10th June 2011
5	Department of IT , New Delhi	Recent Trends in Cloud Security	Department of CSE	26th March 2012	30th March 2012
6	AICTE sponsored Staff Development programme	Design on Embedded Systems – Issues and Challenges	Department of CSE	16th April 2012	27th April 2012
7	TEQIP sponsored FDP	Emphasis on smart operation & control of power markets using power electronic components	Department of EEE	19th November 2012	23rd November 2012
8	TEQIP sponsored FDP	Recent Advances in Green Engineering	Department of ECE	3rd December 2012	7th December 2012
9	TEQIP sponsored FDP	Wireless sensor networks- issues and challenges	Department of ECE	11 th November 2013	15th November 2013

LIST OF PUBLICATIONS:

Journals

1. R.Sandalakshmi, P.Abinaya viji, M.Kiruthiga, M.Manjari, A.Sharina, “Speaker Independent Continuous Speech To Text Converter For Mobile Applications”, *International Journal of Information Processing*, Vol.7, Issue -2, 2013. ISSN: 0973 – 8215.
2. R.Sandalakshmi, V.Martina Monfort, G.Nandhini, “ A Novel Speech to Text converter System for Mobile Applications” , *International Journal of Computer Applications*, Vol. 73, July 2013. ISSN: 0915 -8887.
3. R.Sandalakshmi , D.Kadhiravan, “Modified EESM Link Adaptation Method With Multiple Constellation For Future Wireless Networks”, *International Journal of computer and Communication Technology*,
4. “Modified EESM based Link Adaptation Algorithm for Multimedia Transmission in Multicarrier Systems”, *International Journal of Computer Science Issues*, Vol.7, Issue 1, No3, January 2010. ISSN: 1694-0784.
5. “Effective SNR Mapping for Link Error Prediction in OFDM based Systems”, *IETECH Journal of Communication Techniques*, Volume. 2, No: 3, 134–139 , IETECH Publications, 2008.ISSN: 0973-8053.

International conference

6. “A Novel Non-Invasive method for prognosis of Dengue Fever” *Proceedings of IEEE International Conference on Communication and Signal Processing - ICCSP' 13*, APEC , Melmaruvathur, Tamilnadu, India April 2013 .
7. “An Investigation towards unequal Modulation for 802.16 Systems based on Bivariate Modeling”, *Proceedings of IEEE International Conference on Control, Automation Communication and Energy Conservation*, April 2009. ISBN:978-81-8424-439-7, ISSN:1793-8198.
8. “Fair Channel Aware Packet Scheduling Algorithm for Fast UL HARQ in UTRAN LTE” *Proceedings of IEEE International Conference on Control, Automation Communication and Energy Conservation*, April 2009. ISBN:978-81-8424-439-7, ISSN:1793-8198.

9. "An Analysis Of Link Adaptation Algorithms Based on Link Quality Metrics for IEEE 802.16 Systems", *The IEEE Colloquium and the third IEEE International Conference on industrial and Information Systems (ICIIS 2008)* , Indian Institute of Technology, **Kharagpur**, India .ISBN:978-1-4244-2806-9.
10. "Low Feedback Link Abstraction Based on Novel Quality Model for 802.16e based Systems" *IEEE TENCON 2008*, IEEE Hyderabad section November 18–21, 2008 held at University of Hyderabad.
11. "Effective SNR Mapping for Link Error Prediction in OFDM based Systems", *ICTES 2007 (Information and Communication Technology in Electrical Sciences)* , IET-UK, Chennai, India.
12. G.F.Sudha and R.Sandanalakshmi," Hybrid Frequency and Time Hopping using Kasami Sequence, *IETE 21st Midterm Symposium on Emerging Wireless Communication Techniques and Systems*, IETE Ahmedabad Centre, 8 and 9 April 2000.