


**PERSONAL DETAILS AND AFFILIATION**

Name of the Faculty Member	Dr.S.LAVANYA	
Designation	ASSISTANT PROFESSOR	
Department	ELECTRONICS AND COMMUNICATION ENGINEERING	
Date of joining the institution	18-01-2023	
Date of Birth	04-06-1990	
Address for Communication	DEPARTMENT OF ECE , NATIONAL ENGINEERING COLLEGE, K.R.NAGAR,KOVILPATTI	
Email ID	lavanya-ece@nec.edu.in	

**EDUCATIONAL QUALIFICATION**

S.NO.	QUALIFICATION	INSTITUTION STUDIED	UNIVERSITY / BOARD	YEAR OF PASSING
1.	B.E	THIAGARAJAR COLLEGE OF ENGINEERING	ANNA UNIVERSITY,TIRUNELVELI	2011
2.	M.E	ANNA UNIVERSITY	ANNA UNIVERSITY, CHENNAI	2013
3.	Ph.d	ANNA UNIVERSITY	ANNA UNIVERSITY, CHENNAI	2019

**LIST OF INTERNATIONAL JOURNAL PUBLICATIONS**

S. No	Title of the paper	name of the journal	Vol.No.& Page No	ISSN No	Year
1	Spectrally efficient cognitive relaying for IOT networks	<u>Wireless Personal Communications</u>	122(4), pp.3433-3443	0929-6212	2021

2	EVM based rate maximized relay selection for cooperative cognitive radio networks	AEU-International Journal of Electronics and Communications	104, 86-90	1434-8411	2019
3	Design of SOP based Cross -Layered Opportunistic Routing Protocol for CR Ad-hoc networks	<u>Wireless Personal Communications</u>	96,6543-6556	0929-6212	2017

### **INTERNATIONAL CONFERENCE PUBLICATIONS**

S.No	Title of the Paper	Name of the Conference	Organizer	Month & Year
1	Opportunistic AODV routing protocol for cognitive radio wireless sensor networks	IEEE International Conference on Communication and Signal Processing (ICCSP)	Adhiparasakthi Engineering College Melmaruvathur, Tamilnadu	April 2016
2	Performance analysis of cooperative spectrum sensing in cognitive radio using game theory	IEEE International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET),	Sri Sivasubramaniya Nadar College of Engineering, Chennai	March 2016
3	Implementation of adaptive spectrum sensing technique in cognitive radio networks	IEEE International Conference on Computing and Communications Technologies (ICCCT)	Sairam engineering college, chennai	Feb 2015

**EXPERT LECTURES DELIVERED:**

S.NO.	NAME OF THE PROGRAMME & VENUE	DATES WITH DURATION	NO. OF PARTICIPANTS	RESPONSIBILITY
1	ESIM- an open source EDA tool for circuit simulation and design, College of Engineering, Guindy, Anna University, Chennai	2 <sup>nd</sup> November 2019	50	Delivered lecture

**WORKSHOPS/SEMINARS/CONFERENCES/TRAINING PROGRAMMES ATTENDED**

S.No	Title	Period	venue
1	Two days online workshop on “Enablers for Next generation Communications”	September 2020	Sri Venkateshwara College of engineering, Chennai
2	TEQUIP-III one week online short term course on “Low power VLSI design for communication systems and networks”	September 2020	National Institute of technology, Jalandhar
3	AICTE Training and Learning (ATAL) academy Faculty Development Programme on “Internet of Things (IoT)”	October 2019	Anna University, Chennai
4	One day online workshop on Esim, a first course in the IoT series	September 2019	IIT Bombay
5	Two days workshop on “Communication Networks”	January 2017	Anna University, Chennai
6	STC on “5G Multi-user MIMO and Massive MIMO systems” organized by IIT Kanpur	June 2017	Ramaiah Institute of technology, Bengaluru

7	GIAN course on “Cognitive Radio and Wireless Communication-Theory, Practice and security”	September 2016	IIT Kanpur
8	Two days workshop on “Recent research techniques in Next Generation Wireless Technologies”	August 2015	Anna University, Chennai
9	Two days hands-on workshop on “Semiconductor solutions for wireless communication” by Texas instruments, Bangalore,	October 2012	Anna University, Chennai