Name:Dr P Prakash			
Designation:	ASSOCIATE PROFESSOR		
Qualification:	B.E(ECE),M.TECH(COMM.SYSTEM),PH.D(WIRELESS)		
Areaof specialization:	VLSI-WIRELESS COMMUNICATION		
Experience:	**Industrial Experience**		**Teaching Experience**
	11MONTHS		25Years
Numberofworkshops /FDP attended:	**Number of Workshops**		**Numberof FDPs**
	12		5
Publications:	**Conference**		**Journal**
	National	**International**	**National**	**International**
	4	8	-	7
Patents:	**National**		**International**
	5		Nil

PUBLICATIONS (Journals):

1. **Prakash.P, B.Aarthika** "SYSTEM IMPLEMENTATION AND CHANNEL ESTIMATION OF MIMO DETECTOR", **International Journal of Research in Communication Technologies- IJRCT Vol 01, Issue 01; April 2012.**

2. **Rini Franklin.F,Prakash.P**"Efficient Design of EDDR circuit for advanced Video coding/H.264"Published in International Journal of Emerging Technology and advanced Engineering"Volume 3,special issue1,January 2013.,ISSN 2250-2459.

3. **Himalaya.B,P.Prakash** "A Low complexity high throughput MIMO decoder on FPGA using VB algorithm"published in International journal of advanced and innovative Research"Volume 2,Issue 11,November 2013.,ISSN:2278-7844

4. **Prakash, P** & Kannan, M 2017, 'Performance Comparision and Design Implementation of Low area Complex Matrix Multiplier Using FPGA Applied for MIMO Equalization in 5G Environments',Journal of Computational and Theoretical Nanoscience, vol. 15, pp. 1-12, 2018 (**Impact factor-1.42**)

5. Diponkar Kundu1 · Md. Sabbir Hossain1 · Thanga Mariappan L.2 · Satyajeet Sahoo 3 · S. Karthikeyan4 · G. Ramkumar5 · Anitha Gopalan 5 · **P. Prakash** 6 · A. H. M. Iftekharul Ferdous1 · Sakhawat Hossain1 · Ahmed Nabih Zaki Rashed, "Terahertz Square Core Photonic Crystal Fiber Sensor: Revolutionizing Efficient Blood Cell Detection Through Refractive Index Sensing Based on Surface-Enhanced Spectroscopic Properties" 2024, plasmonics Journal (springer nature),vol 19.pages 2 7 1 5 - 2 7 2 8 .

CONFERENCE PAPERS (National):

1. **P.Prakash,**"Availability Analysis of GPRS"Presented in national conference on Networking & Communication "Netcom'07" April 2007 organized by ECE Department, R.M.D Engineering college**.**

2. **Prakash.P, B.Aarthika** "CHANNEL ESTIMATION AND SYSTEM IMPLEMENTATION OF MIMO DETECTOR", Proceedings of the 3rd

National conference on issues and trends in advanced computing (NITAC-2012), 17-18 March 2012 organized by Depart of computer applications,Bannari amman Institute of Technologies.

3. **P.prakash,Himalaya**.B"Design of ultra-efficient sphere decoder with QAM modulation for MIMO systems" presented in National conference on "communication, Networking and signal processing-2014(NCCNSP'14)" organized by ECE Dept,IFET college of Engineering,villupuram**.**

4. **P.Prakash,G.Jenifer Ruth**, "Implementation of OFDM for Energy Efficiency in Virtual MIMO",presented in National conference on"Recent trends in computing technology-2016(NCRTCT'16) on 29/04/2018.

CONFERENCE PAPERS (International):

1. **P.Prakash**,"Applying CDMA technique to a packet switched network"presented in 3rd international conference on "Impact of economic crisis in global business scenario" September 2009 organized by sri sairam institute of Management studies of sri sairam engineering college.

2. **B.Aarthi,P.Prakash**,"System implementation and channel estimation of MIMO Detector presented in international conference on "Information communication &Embedded systems" Feb 2012 organized by S.A. Engineering college.

3. **P.prakash,M.kannan**,"A sphere decoding algorithem for MIMO transmission system" presented in IEEE International conference on computation of power,Energy,Information and Communication ICCPEIC'2013 April-2013, organized by EEE Dept,Adhiparasakthi Engineering college,melmaruvathur**.**

4. **Himalaya,P.Prakash**"High throughput sphere decoder for MIMO Systems with QAM Modulation Scheme"presented in second International conference on Recent Trends in computer Science & Engineering(ICRTCSE 2014) organized by Apollo Engineering college,Chennai.

5. **P.Prakash.M.kannan**,"Single tree search sphere decoding algorithm for MIMO communication system" presented in IEEE International conference on computing and Communication Technologies(ICCCT'15) 2015, organized by IT Dept,Sri Sairam Engineering collegeChennai.

6. **N.VENNILA,P.PRAKASH P,DR.M.KANNAN**,Presented paper titled "SC-FDMA MIMO DETECTORS USING MATLAB "in the 2017 second IEEE international conference on COMPUTING AND COMMINICATION TECHNOLOGIES held on 23/02/17 to 24/02/17 organized by Department of information technology,SRI SAIRAM ENGG college(Available online in IEEE Coference)

7. **P.Prakash**,"Advanced Driver Assistance System(Adas) using Image processing",in the first international conference on recent Innovations in Arts,Science and technology(ICRIAST-2018) 2018,organized by Lord Venkateshwara Engineering college,Kancheepurm.

LIST OF SEMINAR/SHORT TERM COURSE/FDP/WORKSHOP ATTENDED:

Sl.No	Title	Event	Venue	Date
1	Recent trends in utilization of non- conventional energy sources"	Seminar	Valliammai Engineering college	10/08/2025
2	Mobile Computing	work shop	MNM Jain Engineering College	01/08/2005
3	Graphics & Multimedia	FDP	Sri Sairam Engineering college	11/06/2007 to 23/06/2007
4	Recent trends in wireless information network and systems	National Workshop	Sri Sairam Engineering college	01/02/2008
5	Design trends in Deep-Submicron CMOS VLSI	work shop	Anna university, Chennai	28/03/08 to 29/03/08
6	Understanding Digital and Cellular Standards and their measurements	Seminar	MIT,Chennai	30/04/2010
7	Recent developments in computing	work shop	Sri Sairam Engineering college	April-2010
8	MIMO-OFDM Wireless Systems	work shop	SRM University, Chennai	28/08/2010
9	VLSI for signal processing	work shop	MIT, Chennai	14/03/11 to 15/03/11
10	Instruction Design & Delivery	SDP	Sri Sairam Engineering college	2012
11	Art of journal and thesis writing	work shop	Sri Sairam Engineering college	19/01/2012.
12	Network Design – A Practical Approach"	work shop	Sri Sairam Engineering college	03/09/2013 to 04/09/2013
13	Introduction to Internet of things	FDP	Sri Sairam Institute of technology	24/01/2018 TO 25/01/2018.
14	EC 8003-CMOS Analog IC Design	FDP	Sri Sairam Engineering College	25/11/2019 to 30/11/2019.
15	Research Challenges in VLSI and Communications	FDP	MIT Campus, Chennai	6/02/2020 to 07/02/2020.

EXTRA CURRICULAR ACTIVITIES:
1. Organized 26 th ECE-National Level Technical Symposium (ZENISTA2K23) on 19.10.2023.
2. Organized final year ECE project exhibition
3. Acted as Placement co-coordinator in IT department

CO-CURRICULAR ACTIVITIES:
1. Obtained post graduate diploma in Digital Back end Design/Simulation from ATIIT,Chennai.
2. Completed NITTT 8 module

OTHER RESPONSIBILITIES FOR COLLEGE AND UNIVERSITY:
1. Class coordinator
2. Member of Criteria3 in NBA
3. Mentor
4. Internal exam cell Co-Ordinator
5. Acted as Chairman-ECE board valuation

EXPERIENCE:

Sl.No	Company/college	Working period	Duration	Designation
1	Lakhs Circuit product & Agencies,Chennai	01.08.95 To 30.06.96	11month	Trainee
2	Valliammai Polytechnic, Chennai	24.07.96 to 04.05.98	1year 9Months	Associate Lecturer
3	Jerusalem College of Engg, Chennai	17.08.98 to 09.11.2000	2Year 3Months	Lecturer
4.	Valliammai Enginneering College	10.06.2002 to 31.05.2007	5 Year	Lecturer
5	Sri Sairam Engineering College	20.06.2007 to till date		Associate Professor

Date: signature of the staff