

## BRIEF RESUME

1. Name : Dr. V.Vijayarangan
2. Specialization : Wireless Communication
3. Designation : Professor / ECE Dept.

4. Degrees Obtained :

University	Degree	Year	Field of specialization
Madras University (CIT – Coimbatore)	B.E	1975	Electronics and Commn. Engg.
Madras University (PSGTech - Coimbatore)	M.Sc. (Engg)	1977	Communication Systems
Anna University Chennai.	Ph.D	2010	Wireless Communication

5. Employment Record (starting from present position)-Academic Domain :

University/College	Designation	Period
National Engg.College Kovilpati	Prof/ECE Dept	Nov.2017 onwards
Royal College of Engineering & Technology.Trissur, Kerala	HOD / ECE Dept	Jan 2017 –Nov.2017
Sree Sowdambika College Of Engineering, Aruppukottai	Dean/ Prof/ECE	June 2015 – Jan.2017
Dhaanish Ahemed College of Chennai-601301	Prof. /ECE Dept	Feb. 2015 – June 2014
SRM-Easwari Engg.College Chennai-89	Prof.& Head	June2014 to Dec 2014
National Engg.College Kovilpati	Prof. &Dean /TCP	June 2012 to June2014

--do --	Professor & Head	May 2000 to June 2012
-- do --	Professor	Jun' 96 to April 2000
-- do --	Asst. Professor	Dec'90 to June'96
MEPCO Schlenk Engg College. Sivakasi	Asst. Professor	Aug'89 to Nov'90

#### 6. Other Related Experience – Industry Domain

Organization/employer	Designation	Period
BPL India Ltd., Palghat,/ Bangalore	Trainee Engr. (R&D) Asst. Engr. (Prodn)	5 Years
Indian Communication Network Pvt. Ltd . New Delhi	Production Engineer	0.8 Year
Rayala Corporation (P)Ltd., Chennai	Project Engineer	4.3 Years
Telematics Systems Ltd., Chennai	Tech Services Manager	1.5Years

#### 7. Visit to Abroad

- ⇒ Had been to M/s.OLYMPIA WERKE AG., WEST GERMANY to undergo inplant training at their works for Implementing the Electronic Typewriter project in India, while working at Rayala Corporation (P) Ltd., Madras.
- ⇒ Had been to M/s. SIEMENS AG. WEST GERMANY to undergo Inplant training at their works for implementing the EPBTS, while working at Telematics Systems (P) Ltd., Madras.

#### 8. Journal Publications

- **Vijayarangan V.** and Sukanesh R. (2009), 'An Overview of Techniques for Reducing Peak to Average Power Ratio and Its Selection Criteria for Orthogonal Frequency Division Multiplexing Radio Systems', Journal of Theoretical and Applied Information Technology, Vol.5, No.1, pp. 25-36.
- **Vijayarangan V.** and Sukanesh R. (2009), 'Reduction of Peak to Average Power ratio in Orthogonal Frequency Division Multiplexing using Pulse Shaping Techniques', International Journal of Electronics Engineering, Vol.1, No.1, pp. 127-132.
- **Vijayarangan V.** and Sukanesh R. (2008), 'Reducing Peak to Average Power Ratio in Orthogonal Frequency division Multiplexing using Modified Peak Factor Mapping', Journal of The Institution of Engineers(India), Vol.88, pp. 34-39.

- **Vijayarangan V.**, Kalidoss R. and Sukanesh R. (2007), ‘Low Crest Mapping for Peak to Average Power Ratio Reduction in Orthogonal Frequency Division Multiplexing Systems’, International Journal of Advancement of Modelling and Simulation Techniques in Enterprises, Advances B – 2007, Vol.50, No.4, pp. 17-30

## 9. Conference Publications

- P.Marichamy, J.Senthil Kumar and V.Vijayarangan, ‘An Interactive Simulation for Flat Fading’, Proc. National Communication Conference 2005, I.I.T., Kharagpur, Jan 28-30, 2005.
- M.Selvi and V.Vijayarangan, ‘Reduction of PAPR in OFDM system’, National Conference on Emerging Trends in Networks and High Performance Communication System, Adhiyaman College of Engineering, Hosur, Feb 10-11, 2006 and got ‘Best Paper Award’.
- A paper titled ‘Crest Factor Reduction in Multicarrier Transmission by Low Crest Mapping’ has been accepted for oral presentation at the First International Symposium on Pervasive Computing and Applications (SPCA '06) held during 3<sup>rd</sup> – 5<sup>th</sup> Aug 2006 at Urumchi, Xinjiang, P.R.China.
  - ↪ The International Conference on Embedded Systems, Mobile Communications and Computing (ICEMC2) held during 4<sup>th</sup> – 5<sup>th</sup> Aug 2006 at Bangalore.
  - ↪ The IET International Conference on Wireless, Mobile and Multimedia Network - 2006 (ICWMMN-2006) to be held during 6<sup>th</sup> – 8<sup>th</sup> Nov 2006 at Hangzhou, China.

## 10. Research Interests

Wireless Communication – Orthogonal Frequency Division Multiplexing (OFDM) – A new method of modulation / multiple access method being used for Next Generation mobile phones, Addressing problems in OFDM – PAPR.

## 11. List of Workshops / Seminars / Conferences organised

Workshop on ‘Advances in Digital Signal Processing and its applications’ during 17<sup>th</sup> – 19<sup>th</sup> April 2003.

State Level Workshop on ‘RF Electronics and Measurements’ during 31.05.2004 – 02.06.2004.

‘Images 2004’ – an Intra College Students’ Technical Symposium on 12<sup>th</sup> Oct 2004.  
Anna University sponsored FDTP programme on ‘High Performance Communication Networks’ during 29.11.2004 – 04.12.2004.

Faculty Training Programme on ‘Instructional Design and Delivery’ during 29.11.2004 – 04.12.2004.

One-day Workshop on ‘VLSI and Embedded System Tools’ during 16<sup>th</sup> Feb 2005.

One-day workshop on ‘Cell Phone Servicing’ on 12<sup>th</sup> April 2005.

Students Professional Awareness Conference (S-PAC) in association with IEEE Students Chapter of our college on 5<sup>th</sup> Sep 2005.

2-week Computer Training Programme for Women Self Help Group of Tuticorin District during 26.12.2005 to 07.01.2006.

As Convener for the National Conferences on Advances on Electronic Communications ADELCO 2004, ADELCO 2005 and ADELCO 2006.

Convener for icon ADELCO-2007 – International conference on Advances in Electronic Communications, February 1-3 2007.

## 12. Other responsibilities

Guided many UG/PG Projects.

Acted as resource person and judge for various Symposiums, Conferences and Association meetings in various engineering colleges.

Member in the syllabus sub-committee of Anna University Chennai.

Member in the expert committee for issuing No Objection Certificate for starting new engineering colleges under Manonmaniam Sundaranar University.

Senate Member of Manonmaniam Sundaranar University.

Question paper setter for various Autonomous institutions and deemed universities.

Chief examiner / Examiner in valuing answer scripts for Madurai Kamarajar University, Manonmaniam Sundaranar University, Anna University, Autonomous Institutions and Deemed Universities.

Held various positions viz. Member staff selection committee, Hostel deputy warden, Secretary – Parent Teacher Association, Secretary ISTE Chapter, Branch counselor-IEEE, Disciplinary committee member, Fine arts secretary etc.

As Dean-Training Counseling and Placement Cell responsible for the following:

- Organizing the C2C (Campus to Corporate) program for the Passed Out Students.

- Conducting Company Specific Placement Training Programs for the Final Year Students.

- Imparting Aptitude & Attitude Training programs for the Third year students

- Imparting Life Skill Training to the Second Year students.

- Conducting Communicative English Training Program for the First year Students.

- Making arrangements for the On-Campus placement Drive by IT and Non-IT companies.

- Interacting with PTOs of other institutions for arranging OFF-Campus Placement Drive (IT and Non-IT Companies).

Motivating the Students to take up Competitive exams and studies abroad.  
Visiting IT and NON-IT Companies and extending invitation for the Campus Placement Drive.  
Offering Psychological Counseling to the needy students.  
Making arrangements for the In-Plant Training for the Students.

13. **Professional Membership**

- Fellow of Institute of Electronic and Telecommunication Engineers
- Fellow of institution of Engineers (India)
- Senior Member of Institute of Electrical and Electronics Engineers
- Life member of Indian Society of Technical Education

14. **Contact Details**

E-mail : vijayvrangan@gmail.com

Dr.V.Vijayarangan