Name: **RAVI KUMAR RAYALA**

Designation: Assistant Professor

Department: Electronics and Communication Engineering

Mail ID: ravikumar_r@vnrvjiet.in

Experience(inyears):Teaching:17 Research:06 Others (Industry):4yrs

Profile description:

For over 22 years served Industry and Academic institutions at various capacities. In association with the industry he worked on Networking, Security, and Storage products in cutting-edge technologies like TCP/IP stack, MIB, IPS/IDS, and CIM/CDM. Currently, he is working on Cyber physical systems in line with 6G communication. His interest includes Signal Processing, Hardware- Software Co-design and Systems Engineering.

1.Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	M. Tech.	1998	Communication Systems
2	B.E.	1996	Electronics & Communication Engineering
3	Qualified GATE-96		

2.Teaching and Learning:

2.1 Subjects Handled:

Wireless Communications, Communication Systems, Advanced Digital Signal Processing, Digital Signal Processing, Embedded Systems, H/w-S/w Co-design, Network Security Cryptography, Data Communications, Computer Organization, Operating Systems, Control Systems, Linux system Concepts, Embedded Software, Wireless Sensor Networks.

2.2   Novel Teaching & Learning Techniques adopted: Project based learning, PBL.

2.3   Involvement in curriculum updating /Design:

Academic Committee Member for Dept. of ECE for Curriculum design.

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Games

3.2. CCA/ECA   Organized:

3.3. CCA/ECA participated:

- Department Entrepreneurship cell coordinator.

3.4. Counseling and Mentoring Activity:

- Counselor and mentor for B.Tech Students.

Committees involved in:

Department level:

- Project Evaluation Committee Member
- Technical Seminar Evaluation Member

Institute Level:

4.   Conference / Workshop / Seminar / Guest Lectures:

4.1. Conducted:

4.2 Attended :

Faculty development programmes attended:

Workshops / conferences attended:

5.Academic Contribution and Research &Consultancy:

5.1. Invited Lectures:

5.2. Articles/Chapters published in Books:Nil

5.3. Books published as single author or as editor:Nil

5.4. ProjectsGuided:

   a)UG: b)PG:

Research Interests:

5.5. Ph.D students:Nil

   a)Enrolled:Nil   b)Submitted:Nil   c) Awarded:Nil

5.6. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor / Citation Index	National / International
1	Introduction to the Wi-max and Its Related Issues and Its Comparison with Wi-Fi,	International Journal of P2P Network Trends and Technology (IJPTT).	ISSN: 2249-2615	pp. 1221 - 1227.	International
2	"Power Transmission through Wireless Medium"	internationaljournal of engineering trends and technology,	ISSN: 2231-5381	2013; 4(5) 1334– 1336.	International
3	"Spectrum Sensing Techniques and IssuesinCognitive Radio"	internationaljournal of engineering trends and technology	ISSN: 2231-5381	2013; 4(4) 695– 699.	International
4	Spectrum Sharing In Cognitive Radio Networks	internationaljournal of engineering trends and technology	ISSN: 2231-5381	V4(4):1172-1175 Apr 2013.	International

5.8.   Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National / International	Period
1	"Hardware and software co- design issues in h.264 decoder"	National Conference on Advancements in Embedded Systems and SensorNetworks (AESSN-2015) ,IJSSG, Page 283, ISSN: 2348 - 8387	National	May - 2015

6. **Awards / Honours received:**
7. **Motto:**