

Profile

1	Name of the Faculty	Dr. Vanita K		
2	Date of joining	08/10/2013		
3	Email id	vbkaba@gmail.com		
4	Designation	Assistant Professor		
5	Department	Electronics and Communication Engineering		
6	Education Qualifications	Ph.D		
7	Work Experience	Teaching	Research	Industry
		11 years		
8	Area of Specialization	Wireless Communication		
9	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/Post Graduate Diploma Level	Under Graduate : <ol style="list-style-type: none"> 1. Signals and Systems 2. Digital Signal and Processing 3. Microcontrollers 4. Digital Communication 5. Digital Image Processing 6. Field Theory 7. Network Analysis 8. Information theory and Coding 9. Verilog HDL Post Graduate: <ol style="list-style-type: none"> 1. Antenna Theory and Design 2. Advanced Engineering Mathematics 3. Error Control Coding 4. Advanced Digital Processing 5. Statistical Signal Process 6. Wireless & Mobile Networks 7. Optical Communication and Networks 8. Probability and Random Process 		
	No.of papers published in National/International Journals/Conferences			

10	Journals	National	International
		0	7
	Conferences	National	International
		1	3
	ResearchGuida		
	MasterDegree	Completed	
		10	
	Ph.D.	-	
		-	
11	Projects Carried out		
12	Patents	-	
13	Technology Transfer		
14	<p style="text-align: right;">Publications in International/ I</p> <ol style="list-style-type: none"> 1. Vanita K & Dr. Rajendra R. Patil, “Real time implementation of downlink orthogonal frequency divis International Journal of Electrical and Computer Engineering (IJECE) Vol. 14, No. 4, August 2024, pp 2. Vanita K & Dr. Rajendra R. Patil, “Uplink-downlink resource optimization for provisioning 5G applic and Computer Science Vol. 34, No. 1, April 2024, pp. 350~361 (scopus). 3. Vanita K & Dr. Rajendra R. Patil, “A Precoding based PAPR minimization schemes for NOMA in 5G 4. Vanita K & Dr. Rajendra R. Patil, “Performance Analysis of Multiuser NOMA using Non Orthogonal Sustainable Technology , March 15-16 2024. 5. Vanita K & Dr. Rajendra R. Patil ,”Precoding Techniques to minimize PAPR for OFDM System”, Re 04572-6. 6. Vanita K & Dr. Rajendra R. Patil, ”Zadoff Chu Spreading Sequence for 5G Wireless Communication” Notes in Electrical Engineering Vol. 649 pp.25-31 Springer Nature 2020(scopus). 7. Vanita K & Dr. Rajendra R. Patil, “Fractional Power Allocation Scheme for NOMA”, Internatinal Jou 134 2020 8. Divya Desai & Vanita K, “Performance Analysis of Energy Efficient NOMA”, International Research September 2020 9. Sushma Amarnath & Vanita K, “A General MIMO Framework for NOMA Downlink and Uplink Tran Electrical Engineering, ISSN 2306-708X, Vol. 9, Issue 4 ,August 2020 10. Ambika and Vanita Kaba, “Implementation of DSSS System using Chaotic Sequence using MATLAB Vol.4 Issue.5, May- 2015, pg. 598-607,2015 11. Rahemunnisa and Vanita Kaba,”VHDL implementation of DDS system using BPSK modulation”, Int Volume 2, Issue 7, July 2015 12. Neelambika Uppin & Vanita K,”Performance Analysis of Peak to Average Power Ratio Reduction Te June- 2015, pg. 585-591 		

