

FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Personal Details	
Name: Mrs.Vishalakshi Patil	
Designation: Asst. Prof.	
Department: Electronics and Communication Engineering	
College Address: FETW,SUK	
Contact: 7760546999	
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Areas of Interest	Wireless Communication, Signal Processing
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Subjects Taught	
UG	PG
1. Information Theory and Coding 2. Control Systems 3. Optical Fiber Communication 4. wireless Cellular and LTE 4G Broadband 5. Microwave and Radar	1. Advanced Digital Communication. 2. RF and Microwave Circuit Design
6. Antenna and Wave Propagation 7. Analog Communication 8. Digital Communication 9. Electronic Instrumentation 10. Sensors and Actuators 11. Logic design and Computer Organization	3. Operation Research 4. Advanced Engineering Mathematics
12. Network Analysis 13. Analog and Digital Communication 14. Linear IC's and Its Application 15. Analog Circuits	5. Modeling and Simulation of Data Networks

Academic Background				
Degree	Specialization	Name of The Institute	University	Month and Year of Passing
Ph.D	Wireless Communication	PDA College of Engineering Kalaburgi	VTU Belagavi	Pursuing

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PG (M.Tech.)	Communication Systems	PDA College of Engineering Kalaburgi	VTU Belagavi	October 2013
UG (B.E)	Electronics and Communication Engineering	PDA College of Engineering Kalaburgi	VTU Belagavi	2011

Work Experience							
Name of the Institution		Position		From		To	
FETW, SUK		Asst. Prof.		01/08/2019		Till dated	
Godutai Engineering College for Women, Kalaburgi		Asst. Prof.		01/08/2013		01/07/2019	
Total Experience	12 Years	Teaching	12 Years	Research	4 Years	Administration	

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
7		1			8
Recent Publications(Journals)					
1. "A Taxonomy on Power Optimization Techniques for Fifth Generation Heterogenous Non Orthogonal Multiple Access Networks" International Journal of Electrical and Computer Engineering 2024					
3. "Enhanced Baby Monitoring: IoT-driven Smart Cradle System" International Research Journal of Engineering and Technology (IRJET) 2023					
3. "A Survey on PAPR Reduction Techniques for Multipath Fading Channel" Journal of Fundamental and Comparative Research 2022					
4. "PAPR Reduction by Using DCT and IDCT Techniques" IJSDR 2022					
5. "A consolidated PAPR-Decrease Method for Unevenly Cut Optical OFDM Framework" International Journal of Information Technology and Electrical Engineering 2021					

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6. “SC-FDMA using Enhanced PAPR Spatial Modulation” International Journal of Information Technology and Electrical Engineering 2021
7. “Low-PAPR Spatial Modulation for SC-FDMA” International Journal of Information Technology and Electrical Engineering 2020
8. “Enhanced OFDM –NOMA for Next Generation Wireless Communication” International Journal of Information Technology and Electrical Engineering 2020

Memberships in Professional Bodies	
Sl.No.	Name of the Professional Body
1.	IETE (Membership No-M-503235)
2.	IAENG (Membership No-M- 316019)

Programs Organized	
1.	Technical talk on Emerging trends and Opportunities in VLSI domain by Mr. Vijay Kumar , Senior AMS Layout Engineer, Synopsis Private Ltd.

Sl.No.	Training Programmes Attended
1.	5 Days Online FDP on “ Next Generation Technologies on Information and Communication”
2.	5-Day Online Faculty Development Program on “ APPLICATIONS OF AI/ML in POWER SYSTEMS & ELECTRIC VEHICLES ”
3.	A one week National FDP on “Recent Advances in Electronics and Communication Engineering- An Approach through AI and ML”
4.	5 Day FDP on “ Recent Advancements In Electric Vehicle Technology”
5.	One week FDP on “Recent Trends in Machine Learning for Artificial Intelligence”
6.	5-Days FDP on “ Advanced Applications of Robotics and IOT”
7.	6-Days FDP on “ Emerging Advancement of Wireless Communication and Applications of Power Electronics in Smart grid System”
8.	5-Days FDP on “ Cognitive Radio, Antennas and Millimetre Wave Communication”

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9.	6-Days AICTE-ISTE Induction/Refresher program on “ Next Generation Wireless Communication: 5G and Its implementation”
10.	5-Days FDP on “ Blockchain”
11.	5-Days FDP on “ PCB Design using Autodesk® Fusion 360™
12.	5-Days FDP on “ Cognitive Radio, Antennas and Millimetre Wave Communication”
13.	5-Days FDP on “ Modern Simulation Techniques for Engineering Research”
14.	6-Days FDP on “ Emerging Advancement of Wireless Communication and Applications of Power Electronics in Smart grid System”
15.	Workshop on “ Machine Learning and its Applications-Hands on with python”
16.	One week workshop on “ Advanced Techniques for simulation of wireless networks”
17.	Workshop on Wireless Modules
18.	Two Days regional level workshop on current and future research trends in wired and wireless networks

Special Lectures Presented	
1.	
2.	
3.	

Role & Responsibilities	
1.	Salary Coordinator, M.Tech. Internship Coordinator, M.Tech. IA Coordinator, AISHE Coordinator, NRIF Coordinator