

Name of Teaching Staff	:	Dr. Chandrashekhar K. Beral		
Designation	:	Assistant Professor		
Department	:	Electronics & Telecommunication Engineering		
Date of Joining the Institution	:	07.07.2008		
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Google Scholar Link	:	https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=chandrashekhar+Beral+&oq=		
Researchgate Link:	:	https://www.researchgate.net/scientific-contributions/Chandrashekhar-K-Beral-2328934046		
ORCID	:	https://orcid.org/0009-0003-1823-6580		
Qualifications with Class / Grade	:	1. Ph.D. in Technology (Electronics & Telecommunication Engineering) from Sant Gadge Baba Amravati University on Topic “Priority Based Congestion Controlling Mechanism for Wireless Sensor Network to Healthcare System”. 2. M.Tech. in EXTC from NMIMS, 2008, 1st class with Distinction 3. B.E. (Electronics Engineering) from SSGMCE Shegaon , S.G.B.A.University Amravati, 2001, 1st class.		
Total Experience in Years	:	<u>Teaching: 22 years</u> 1. D. J. Sanghvi College of Engineering, Assistant Professor in Electronics & Telecommunication Engineering department, December 12,2023- till date. 2. D. J. Sanghvi College of Engineering Assistant Professor, Electronics Engg. Department, from 05. 07.2010 to December 12,2023. 3. Lecturer in D. J. Sanghvi College of Engineering, department of Electronics Engineering on probation from 07-07-2008 07.07.2010. 4. Lecturer (Adhoc), ELEX Department, D. J. Sanghvi College of Engineering from 7.7.2004 to 30.06.2008		
Papers Published in Journal and conference :	:	Conference (08) 1.Design and Implement an IoT Solution to Address the Challenges of Remote Patient Monitoring and Improve Healthcare 2.Design and Implement an IoT Solution to Address the Challenges of Remote Patient Monitoring and Improve Healthcare 3. GSM based interactive voice response system for wireless load control and monitoring 4. Design and Deployment of Ethercat Master and Performance Evaluation (2019) 5. STBC Based OFDMFor M-Ary QAM Modulation Technique (2019) 6. Integrated solution for renewable 7. I/ML Assisted Impedance Aware Design and Optimization of a 3.5 GHz GaN HEMT Power Amplifier Under Variable Antenna Impedances		

		8. AI/ML Based Design and Optimization of an ATF-34143 GaAs pHEMT Low-Noise Amplifier for Multistandard and Cryogenic RF Receivers Journal paper (03) 1) Design of an improved model for wireless network congestion management using double DQN and LSTM-MLP 2) Design Priority Based Congestion Management in Wireless Sensor Networks with Bacterial Foraging Optimizer and Q-Learning 3) Inertial Sensors Based Gesture Recognition
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Area of Specialization	:	Wireless Communication	
Awards	:	Best paper Award	AI/ML Assisted Impedance Aware Design and Optimization of a 3.5 GHz GaN HEMT Power Amplifier Under Variable Antenna Impedances
Grants fetched	:	Project Research Grant	University of Mumbai, 2016
Subjects Taught	:	<u>UG Level:</u> ➤ Digital Communication ➤ Mobile communication ➤ Computer Communication Network ➤ Control System ➤ Digital Communication <u>PG Level:</u> ➤ Advance Wireless Communication	

Projects Guided	:	<u>UG Level:</u> 1. Smart attendance monitoring system (AY 2025-2026) 2. Wireless Hospital Management. (AY 2025-2026) 3. HEALTHCARE MONITORING SYSTEM USING IoT 4. Advanced ECG Monitoring with Intelligent Alert System 5. Healthcare Monitoring System Using Wireless Sensor Network 6. Real-Time ECG Monitoring Using Wireless Sensor Network 7. Priority-Aware Packet Scheduling for Wireless Body Sensor Networks 8. Energy-Efficient Routing Protocol for Wireless Sensor Networks 9. Wireless Sensor Network Based Temperature and Humidity Monitoring 10. Forest Fire Detection and Monitoring Using WSN
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