

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

Personal Details	
Name: Dr. Basanti Ghanti	
Designation: Professor	
Department: Electronics and Communication Engineering	
College Address: FETW, Sharnbasva University, Kalaburagi	
Contact: 9964494923	
E-mail id(collegemail id): basantighanti@gmail.com	

Areas of Interest	Wireless Communication Image Processing Internet of Things
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Subjects Taught	
UG	PG
Sensors and Actuators	Advanced Digital communications
Wireless Communication	Statistical Signal Processing
Signals and Systems	Cloud Computing
Digital Communication	Advanced Computer Networks
Basic electronics	Multimedia Communication
Management and Entrepreneurship	Multimedia Networks
Programming Using Python	

Academic Background				
Degree	Specialization	Name of The Institute	University	Month and Year of Passing
Ph.D	Wireless Communication	GSSSIETW, Mysuru	Visvesvaraya Technological University, Belagavi (Karnataka)	Feb 2020
PG (M.Tech)	Communication Systems	P D A C E Klb	Visvesvaraya Technological University, Belagavi (Karnataka)	August 2008

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UG (B.E)	Electronics and Communication Engineering	KBNCE, Kalaburgi	VTU Belagavi	July 2003
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Work Experience							
Name of the Institution		Position		From		To	
Faculty of Engineering and Technology, (Exclusively for women), Sharnbasva University. Klb		Professor		3-03-2023		Till Date	
Shetty institute of Technology, Kalaburgi from		Principal		08-03-2021		1-03-2-023	
Shetty institute of Technology, Kalaburgi		Professor and HOD		16/10/2018		7-03-2021	
Shetty institute of Technology, Kalaburgi		Associate Professor and HOD		28/07/2013		15/10/2018	
GNDEC, Bidar		Assistant Professor		27/07/2008		05/07/2013	
Appa Institute of Engineering and Technology, Gulbarga		Assistant Professor		18/01/2005		13/07/2008.	
Lecturer at KCTEC Gulbarga		Assistant Professor		01/06/2004		15/01/2005.	
Total Experience	20 years	Teaching	20 years	Research	10 years	Administration	2

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	8	2	2	1	13
Recent Publications (Journals)					
1. Basanti Ghanti, R. Eswaramoorthi M. Leeban Moses, Jennathu Beevi Sahul Hameed, "Deep graph neural network optimized with fertile field algorithm based detection model for uplink multi-user massive multiple-input and multiple-output system" Research Article, Wiley, Trans Emerging Tel Tech. 2022;e4614. DOI: 10.1002/ett.4614, July 2022. 2. Basanti Ghanti, Rajendra R. Patil "Impact of Pre-and Post-Equalization on the Performance of PNC" International Journal of Engineering and Technology (IJET-UAE), Sept. 2018.					

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3. Basanti Ghanti, Rajendra R. Patil "Performance of Analog Network Coded Communication with Channel Noise Assisted Gain" n International Journal of Engineering and Technology (IJET-UAE), Sept. 2018.
3. Basanti Ghanti, Rajendra R. Patil "Performance of PNC with Digital Prefilter Based Receiver Equalizer" International Journal of Computer Networks and Wireless Communications (IJCNC), ISSN: 2250-3501 Vol.8, No.3, May-June 2018.
4. Basanti Ghanti, Rajendra R. Patil "Iterative Relay Receiver for Physical Layer Network Codes Transmission" International Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162 Vol.8, No.3, July 2018
5. Basanti Ghanti, Rajendra R. Patil "Power Allocation Strategies for Wireless Relay Networks with Analog Network Coding: Survey" International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE), ISSN: 2454- 2258 Vol.4, No.3, March 2018.
6. Basanti Ghanti, Siddarama R. Patil "Impact of Oversampling digital Filter Relay strategy on the performance of Physical Layer Network Coded Transmission" presented at IEEE International Conference on Wireless Networks and Embedded Systems (WECON), from 14-10-2016 to 16-10-2016, at Chitkara University, Chandigarh, Punjab.
7. Basanti Ghanti, Siddarama R. Patil "Performance Comparison of PNC for different Modulation Techniques with Oversampling Digital Filter at the Relay" International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Volume 23 Issue 6 – Oct 2016.

Memberships in Professional Bodies

S.No.	Name of the Professional Body
1.	IEEE Membership No: 96972441 (IEEE North Karnataka Subsection Executive Committee Member)
2.	AMIE, Membership No. – AM099842 - 5
3.	ISTE, Membership No. – LM 127533.
4.	Member of Board of Studies for K B N University, Kalaburgi.

Programs Organized

1.	Design awareness program for innovating MSMEs
2.	Regional Hackathon
3.	Business plan validation for young entrepreneurs
4.	Work integrated learning program
5.	Entrepreneurship awareness program
6.	From Lab to Market: Navigating the TRL journey
8.	Carrier opportunities after B.Tech

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Sl.No.	Training Programmes Attended
1.	NPTEL Workshop conducted by IIT Madras at Karnataka College Bidar.
2.	Two days International Conference on “Current Research and Applications in Electrical Science” organized by PDACE, Kalaburgi.
3.	Four days VTU-VGST FDP on “Recent Trends in VLSI design and Embedded Systems”
4.	Guest lecture on “Digital Communication “at GNDEC Bidar.
5.	Two days Workshop on “Simulation of Wireless Network using NS2” Conducted by E&CE Dept of GNDE College, Bidar.
6.	Workshop on “Trends in VLSI Design and Mentor Graphic” organized by E&CE Dept of GNDE College, Bidar on 12th to 14th May 2011.
7.	FDP on “Opportunity for sponsored Research and Collaboration with IT Industry”, GNDEC, Bidar, Sep 2009.
8.	National level Seminar on “Mobile Devices and Systems” Conducted by E&CE Dept of GNDE College, Bidar
9.	National level Seminar on “Recent Trends in Wireless network” Organized by E&CE Dept, GNDE College, Bidar
10.	One week ATAL Online FDP on “Artificial Intelligence”

Special Lectures Presented	
1.	Conducted a Workshop on NEP-2020 for students and parents on 26 th Dec 2022.
2.	Conducted a TWO DAYS NATIONAL LEVEL WORKSHOP on “Electronics Hardware and software for Airborne Systems”
3.	Organizing Committee Member for International Conference on Applied Science Engineering and Technology organized by Sairam College of Engineering, Anekal Bangalore.

Role & Responsibilities	
1.	IIC Convener
2.	MSME Incubation Centre Coordinator



Centenary Celebrated Sharnbasveshwar Vidya Vardhaka Sangha's
ಶರಣಬಸವ
Sharnbasva
ವಿಶ್ವವಿದ್ಯಾಲಯ
University



(Under the aegis of Centenary Celebrated Sharnbasveshwar Vidya Vardhaka Sangha)
Kalaburagi - 585 103 Karnataka, India

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3.	Seed Money Coordinator
4.	NBA Coordinator