Personal Details	
Name: Dr. Asharani Patil	
Designation: Associate Professor	
Department: Electronics & Communication Engg.,	
College Address: Faculty of Engineering & Technology Exclusively for Women,	
Contact:962025665	
E-mail id (collegemail id):aspatilsuk@gmail.com	

Areasof Interest	4G and 5G Wireless Communication Systems Optical Communication & Networking Internet of Things

SubjectsTaught	
UG	**PG**
1. Network Analysis, 2. Control Systems 3. Signal and Systems 4. Analog and Digital Communication	1. Wireless Communication 2. LTE 4G Broadband Communication 3. Antenna Theory and Design 4. Real Time Embedded System
5. Basic Electronics, 6. Internet of Things, 7. Information Theory and Coding 8. Cryptography and Network Security	5. Optical Networks 6. Probability Random Process 7. Advanced Digital Signal Processing
9. Electromagnetic Theory 10. Logic Design 11. Optical Communication 12. Microwave Communication 13. Optical Fiber Communication	8. Advanced Computer Networks 9. Introduction to 5G 10. Wireless and Mobile Networks

Academic Background				
Degree	Specialization	NameofThe Institute	University	Monthand Year of Passing
Ph.D	4G and 5G Mobile Communication and Detection	Poojya Doddappa Appa College of Engineering, Kalaburagi	VTU Belagavi	April 2021
PG (M.Tech)	Communication Systems	Poojya Doddappa Appa College of Engineering, Kalaburagi	VTU Belagavi	June 2011

UG (B.E)	Electronics & Communication Engg.,	Poojya Doddappa Appa College of Engineering, Kalaburagi	VTU Belagavi	June 2009

Work Experience				
Name of the Institution	**Position**	**From**	**To**	
Appa Institute of Technology, Kalaburagi	Assistant Professor	June 2011	May 2012	
Godutai Engineering College for Women, Kalaburagi	Assistant Professor	June 2012	June 2013	
Godutai Engineering College for Women, Kalaburagi	Associate Professor	July 2013	July 2018	
Faculty of Engineering & Technology – Exclusively for Women,	Assistant Professor	August 2018	April 2021	
Faculty of Engineering & Technology – Exclusively for Women ,Sharnbasva University	Associate Professor	May 2021	2021 - till date	
Total Experience	14.2 Yrs	**Teaching**	14.2 Yrs	**Research**	10Yrs	**Administration**	

ResearchPublications					
Total Number of Publications	**International Journal**	**National Journal**	**International Conference**	**National Conference**	**Total**
	03	01	11	01	16
RecentPublications(Journals)					

1. Sudha, Asharani Patil, "BER Performance Analysis of MIMO Systems using Signal Detection Techniques"International Journal of Creative Research Thoughts – IJCRTVolume 9 Issue 82320 – 28822021

2. Asharani Patil, G.S.Biradar, "Error-Rate Performance of Coded System for MC-IDMA using Spatial Diversity in Cognitive Spectrum"- International Conference on Computing and Network Communications (CoCoNet'19). - Elsevier Procedia Computer Science Journal, December-2019. (Journal)

3. Ranjeeta, Asharani Patil "Performance Evaluation of OFDM Systems using Channel Estimation Algorithms"International Journal of Creative Research Thoughts – IJCRTVolume 9 Issue 82320 – 2882, 2021

4.	Asharani Patil, G.S.Biradar, "Down Link: Error-Rate Performance of Cognitive D-STTD MC-IDMA System"- Fifth International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'19) - December 2019.
5.	Asharani Patil, G.S.Biradar, "Up-Link: Coded Cognitive MIMO MC-IDMA System for Frequency-Selective Channel", International Journal of Computer Science and Network Security, August 2019 Vol-19, Issue- Regular, Pages-70-77. (Journal)

Memberships in ProfessionalBodies	
S.No.	**Name of the ProfessionalBody**
1	IEEE Senior Member 2024
2	IETE Fellow Member
3	IEEE North Karnataka Subsection Execom Member 2025
4	IEEE WIE EXECOM Member, IEEE WIE Bangalore Section
5	Member of IAENG

Programs Organized	
1.	Three days' workshop on "Research Methodology and Technical Documentation using LATEX", 3rd – 5th May 2018
2.	Two Days workshop on "Artificial Intelligence and Machine Learning" – April 12th – 13th 2019
3.	One week faculty development Program on "Application of Lab view in Teaching & Research" – 17th – 22nd June 2019.
4.	Two days workshop on "Quantum Computing & Communication – New Paradigms" 28th February 2023 – 1st March 2023
5.	One Day Online Mode Technical Webinar on "Ample Opportunities in VLSI Domain" on 27th December 2021 at 6:30p.m. Inaugural of IEEE Women in Engineering Affinity Group - Geo Code – SBA35739 In Association with IEEE Women in Engineering Affinity Group – IEEE WIE AG, IEEE Bangalore Section
6.	One Seminar on "Research Methodology "on 7th May 2022, In Association with IEEE Women in Engineering Affinity Group – IEEE WIE AG, IEEE Bangalore Section
7.	Awareness Program on "Creating Hope Through Action" In the view of World Suicide Prevention Day On 10th September 2022 Organizing by In Association with District Legal Services Authority, Kalaburagi, District Mental Health Program, District Health and Family Welfare Dept. Kalaburagi, IEEE Women in Engineering Affinity Group, IEEE Bangalore Section.
8.	A Day Seminar on "WOMEN – MIND YOUR MIND" Under District Mental Health Programme & District Health Office, Kalaburagi, Karnataka, India In Association

	with IEEE Women in Engineering, IEEE Bangalore Section, Bangalore On 22nd February 2023,
9.	Two days Online workshop on "Quantum Computing & Communication – New Paradigms"
10.	Five Days Faculty Development Program Frontiers in Cloud Computing, Artificial Intelligence, Machine Learning & Internet of Things 12th March 2024 – 16th March 2024
11.	Project Presentation " Techno Spectrum - Project Presentation " - Jnanothsava-2K24 Association with IBM Innovation Center of Education, CADMAXX 26th April 2024
12.	Student Development Program "ONE DAY CAREER GUIDANCE PROGRAM" 28th May 2024
13.	RURAL OUTREACH PROGRAM –conducted at Government Primary and Higher Primary School, Murganoor Taluk Jewargi Kalaburagi 9th July 2024
14.	One day Seminar On "Overview of Geo-Spatial Image Analysis using Satellite Images" 11th July 2024
15.	International Seminar One Day International Seminar on "Distributed and Intelligent Communication Networks" 06th August 2024
16.	One Week Faculty and Student Development Program Faculty and Student Development Program on "Stress Management" 09th September - 15th September 2024

Sl.No.	TrainingProgrammesAttended
1.	Workshop on "Artificial Intelligence" Organized by Department of Electronics and Communication Engineering, FETW Sharnbasva University, Kalaburagi in association with Geeks Lab technology New Delhi
2.	Workshop on "Innovation and IPR Filing" , NIT Jalandhar.
3.	Workshop on "LaTeX", Gopalan College of Engineering and Management (GCEM) , Bangalore. in association with IIT Bombay-ST
4.	Workshop "Research Methodology", Department of Mechanical Engineering, Amal Jyothi College of Engineering, Kerala
5.	Intellectual Property Rights for Academicians and ResearchesPandit Deendayal Petroleum University in association with Intellectual Property Protection Organization (IPPO)
6.	Five Days workshop on "Recent Innovations and Trends in Antenna Design" by Technilab Laboratories, Bangalore
7.	Five Days Online FDP ATAL on "Internet Of Things"
8.	Five Days Workshop "Application of LabVIEW in Teaching & Research", Organized by Department of Electronics and Communication Engineering Faculty of Engineering and Technology, SUK in association with VI solutions Bengaluru

9.	Five Days Online FDP ATAL on "Artificial Intelligence"
10.	Three days' workshop on "Research Methodology and Technical Documentation using LATEX", 3rd – 5th May 2018
11.	Two Days workshop on "Artificial Intelligence and Machine Learning
12.	One week faculty development Program on "Application of Lab view in Teaching & Research"
13.	Two days workshop on "Quantum Computing & Communication – New Paradigms"
14.	Three days' workshop on "Research Methodology and Technical Documentation using LATEX",
15.	Five Days Faculty Development Program Frontiers in Cloud Computing, Artificial Intelligence, Machine Learning & Internet of Things

SpecialLectures Presented	
1.	"Different Spatial Coding and Decoding with SUI LTE Models in 4G MC-IDMA", International Conference on Computing and Network Communications (CoCoNet'19). - Elsevier Procedia Computer Science. Indian Institute of Information Technology and Management IIITM- Trivandrum Kerala, 2019.
2.	"Different MIMO Techniques in MC-ISMA System with Cognitive Spectrum Analysis", International Conference on Computing and Network Communications (CoCoNet'19). - Elsevier Procedia Computer Science, Indian Institute of Information Technology and Management IIITM- Trivandrum Kerala, 2019

Role & Responsibilities	
1.	PG M. Tech Coordinator
2.	Budget Coordinator
3.	IEEE Membership Development Incharge
4.	IEEE Student Branch Incharge
5.	IEEE Women in Engineering Advisor
6.	Member, Board of Studies & Board of Examination