

FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Personal Details	
Name: Dr. Sujata K	
Designation: Associate Professor	
Department: Electronics & Communication Engg.,	
College Address: Faculty of Engineering & Technology Exclusively for Women,	
Contact:7338446968	
E-mail id:sujata.kamlapurkar@gmail.com	

Areas of Interest	Digital Electronics, Communication, Image Processing, VLSI
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UG	PG
1. Digital Signal Processing 2. Digital Signal System 3. Network Analysis 4. Signals & Systems 5. Microcontroller -8051 6. Microprocessor -8085 7. Microprocessor -8086 8. Power Electronics 9. Basic Electronics 10. Electronics Circuits & Logic Design 11. Introduction to Digital Communication 12. VLSI circuits	1. Advanced Digital Communication. 2. Wireless & Mobile Networks 3. Advanced Communication Networks 4. Advanced Digital Signal Processing 5. Error Control Coding

Academic Background				
Degree	Specialization	Name of The Institute	University	Month and Year of Passing
PDF	Antennas	Srinivasan University, Mangaluru	Mangaluru University	2022
Ph.D	VLSI & Embedded Systems	DON Bosco Institute of Technology, Bangalore	VTU Belagavi	April 2021
PG (M.Tech)	Communication Systems	Poojya Doddappa Appa College of Engineering, Kalaburagi	VTU Belagavi	June 2010

FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

UG (B.E)	Electronics & Communication Engg.,	Appa Institute of Engineering & Technology, Kalaburagi	VTU Belagavi	June 2008
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Work Experience						
Name of the Institution		Position		From		To
Appa Institute of Technology, Kalaburagi		Assistant Professor		August 2010		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 2019
Faculty of Engineering & Technology – Exclusively for Women,		Assistant Professor		August 2019		April 2021
Faculty of Engineering & Technology – Exclusively for Women ,Sharnbasva University		Associate Professor		May 2021		2021 - till date
Total Experience	15.2 Yrs	Teaching	15.2 Yrs	Research	10Yrs	Administration

ResearchPublications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	20		03	03	26
Recent Publications (Journals)					
1) Sujata, S. K. , &Aithal, P. S., (2021),” Inset-fed Multiband Square Patch Antenna on Flexible substrate for Fifth-Generation Wireless Communication”, International Journal of Applied Engineering and Management Letters (IJAEML), 5(2), 106-118. DOI: https://doi.org/10.5281/zenodo.5689664 2.					
2) Sujata, S. K. , &Aithal, P. S., (2022),” Slit Loaded Compact Shaped Patch Antenna for 5GHz Wireless Application”, International Journal of Applied Engineering and Management Letters (IJAEML), 6(1), 259-266. DOI: https://doi.org/10.5281/zenodo.6546954 . 3.					
3) AP Ambalgi, SkSujata “ Analysis of 8.71 GHz operated gold nanoparticles based multi-slotted patch antenna etched on epoxy dielectric material having broadsided radiation characteristics ”, - Materials Today: Proceedings, 2021 – Elsevier.					

FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
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- 4) AP Ambalgi, **SkSujata**, "[Effects of single and double wide slots on microstrip patch antennas characteristics using direct contact probe feed excitation with broadsided radiation](#)", Proceedings of Second ..., 2021 – Springer.
- 5) AP Ambalgi, **SkSujata**, "[Study of microstrip patch antenna characteristics with multi-slots etched on 1.6 mm thick epoxy dielectric substrate](#)", Materials Today: Proceedings, 2020 – Elsevier.
- 6) AP Ambalgi, **SkSujata**, "Experimental and Simulation Study of Effects in Etched Patch Antenna with Multi Slots", 2020WSEAS Transactions on ... - researchgate.net.
- 7) AP Ambalgi, **SkSujata**, "[Fabrication and Characterization of Multiband Printed Antenna with Defective ground Structure Coated with Silver Nanomaterial for Wireless Applications](#)", International Research Journal on ..., 2021 - rspsciencehub.com
- 8) AP Ambalgi, **SkSujata**, "[RF Sputtered, Gold Nanoparticles based Giga Hertz Epoxy Layer Novel Patch Antenna with Defected Ground Structure](#)", 2020 Recent Developments in Computing ... - researchgate.net
- 9) **Sujata A. A**, Dr.Lalitha Y S, "Survey on latest FinFET Technology and Its Challenges in Digital Circuits and IC's", International Journal of Electronics Engineering, Vol. 10. No. 2 PP. 577-585 June-Dec 2018. (ISSN: 0973-7383). UGC Indexed journal.
- 10) **Sujata A. A**, Dr.Lalitha Y S, "Performance Analysis of FINFET Based 16:4 Encoder and 4:16 Decoder-A Design Perspective", IOSR Journal of VLSI and Signal Processing (IOSR-JVSP), Vol. 8, No. 6, Ver. I, PP 49-55, Nov. 2018. ISSN: e-ISSN: 2319 – 4200, p-ISSN No. :2319 – 4197. DOI: 10.9790/4200-0806014955.
- 11) **Sujata A. A**, Lalitha Y S, "Design Of Low Power 6t-SRAM Cell For Advanced Processors", International Journal of Engineering and Advanced Technology (IJEAT), Vol.8, No.6, August 2019.ISSN: 2249 – 8958. DOI:10.35940/ijeat.F1181.0886S19. Q4 rated Elsevier Scopus indexed journal.
- 12) **Sujata A A**, Lalitha Y S, "Performance Analysis Of Analog Data Compression And Decompression Using ANN In 32nm FinFET Technology", International Journal Of Scientific & Technology Research (IJSTR). Vol.8, No.12, Dec. 2019. ISSN 2277-8616. Q3 rated Elsevier Scopus indexed journal.
- 13) **Sujata A A**, Lalitha Y S, "Design of Low Power 4bit 6T-SRAM Cell for Data Storage using Finfet 32NM Technology ", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.9, No.2, Dec.2019. ISSN: 2278-3075. DOI: 10.35940/ijitee.L3068.129219. Q4 rated Elsevier Scopus indexed journal.
- 14) **Sujata A A**, Lalitha Y S, "Performance Analysis and design of FinFET 32nm based Low Power, Low Delay 4-bit ALU, Carry Save Adder and Multiplier For High Speed Processors", Science Direct: Materials Today Procedia-Journal, Elsevier publisher. 2020. (Accepted and in Press). Elsevier Scopus indexed journal. ISSN: 2214-7853.

FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
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- 15) **Sujata A A**, Lalitha Y S, "*Design and performance analysis of 4-bit Nano-Processor design for low area, low power and minimum delay using 32 nanometer FinFET Technology*", Journal of Critical reviews. ISSN: 2394-5125. Scopus indexed journal. (Accepted and in Press for final publication).
- 16) **Sujata A A**, Dr.Lalitha Y S, "*Design And Analysis Of Low Power 6T-SRAM Cell For Advanced Processors*", 4th International Conference on Signal Processing, Communications and System Design (ICSPCOMSD – 2019), MallaReddy Engineering College for Women, Feb.2019. ISBN: 978-93-83038-75-6.
- 17) **Sujata A A**, Lalitha Y S, "*Performance Analysis and design of FinFET 32nm based Low Power, Low Delay 4-bit ALU, Carry Save Adder and Multiplier For High Speed Processors*", In. AICTE Sponsored Online International Conference on Nanorobotics and Artificial Intelligence for Engineering Applications, (ICRAI2K20), Syed Ammal Engineering College, Tamilnadu. 11-12, Spet.2020.
ter Engineering (IJECE) , Vol. 14, No. 2, ISSN: 2088-8708.

Memberships in Professional Bodies

S.No.	Name of the Professional Body
1	IEEE Senior Member
2	ISTE Life time Membership
3	IETE Life time Membership
4	Member of IAENG

Programs Organized

1.	47 th Series KSCST Annual State-Level Poster Presentation and Project Exhibition Organized by Sharnbasva University, Kalaburagi and KSCST, IISC Bengaluru on 9 th & 10 th Aug 2024
2.	International Conference on Multidisciplinary Research-2022(ICMR-2022), Organized by Sharnbasva University, Kalaburagi held from 22 nd to 25 th November 2022.
3.	Two days Online workshop on “Quantum Computing & Communication – New Paradigms”
4.	One Seminar on “Research Methodology “on 7 th May 2022, In Association with IEEE Women in Engineering Affinity Group – IEEE WIE AG, IEEE Bangalore Section

Sl.No.	Training Programmes Attended
1.	FDP on “Patent Drafting and Filing” Organized by VTU’s Center for PG Studies and Regional Office, KSCST, IISc Campus , Bengaluru from 21 st – 25 th August 2024.

FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
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2.	FDP on “Data Visualization Using Tableau” Organized by Dept of CSE,Mohan Babu University, Tirupati ,Andhar Pradesh & EXCELR EDTECH PVT.LTD. 1 st -5 th April 2024
3.	20 hours live Training Program on “Git and GitHub” held from 24 th Jan 2024 to 7 th Feb 2024
4.	FDP on “Block chain Technology” Organized by Ramrao Adik Institute of Technology –D.Y Patil Deemed to be University, Bishop Hebet College and SR University in collaboration with Exceller Edtech Pvt.Ltd. 8 th -12 th Jan 2024
5.	FDP on “Deep Learning and Artificial Intelligence” Organized by Andhar Pradesh State Skill Development Corporation in collaboration with Exceller Edtech Pvt.Ltd. 26 th Feb 2024-1 st March 2024
6.	FDP on “Emerging Trends in Signal Processing,Image Processing and Artificial Intelligence” Organized by SJMIT,Chitradurga from 12 th – 16 th Sept 2023
7.	FDP on “Cyber Security” Organized by Chaitanya Bharathi Institute of Technology University in collaboration with Exceller Edtech Pvt.Ltd. 25 th Sept 2023- 14 th Oct 2023
8.	FDP on “NLP, Computer Vision and Artificial Intelligence” Organized by APSSDC University in collaboration with Exceller Edtech Pvt.Ltd. 4 th -8 th Dec 2023
9.	FDP on “NLP and ChatGPT Applications” Organized by SECAB Institute of Engineering & Technology University in collaboration with Exceller Edtech Pvt.Ltd. 14 th – 19 th Aug 2023
10.	FDP on “Course outcomes for outcome based education (OBE)” Organized by Department of Electronics and Communication Engineering Faculty of Engineering and Technology(Exclusive for Women) SUK Kalaburagi. 9 th July 2020
11.	FDP on “Research opportunities in Electrical Drives” Organized by Department of Electrical and Electronics Engineering Faculty of Engineering and Technology(Exclusive for Women) SUK Kalaburagi. 10 th July 2020
12.	FDP on “Machine Learning Challenges & research opportunities” Organized by DonBosco Institute of Technology, Department of R& D , Blore. 8 th June 2020
13.	FDP on “Applications of LabVIEW In Teaching & Research” organized by Department of Electronics and Communication Engineering Faculty of Engineering and Technology, SUK in association with Industry Institution Interaction Cell under IQAC. 17 th -22 nd June 2019
14.	FDP on “Artificial Intelligence” Organized by Department of Electronics and Communication Engineering, Godutai Engineering College for Women kalaburagi in association with Geeks Lab technology New Delhi. 12 th – 13 th April 2019
15.	FDP on “Outcome based Education (OBE)” organized by Department of Electronics and Communication Engineering Faculty of Engineering and Technology(Co-Education) SUK in association with The institute of engineers (INDIA) – IEL. 11 th Feb 2019
16.	FDP on“Effective Teaching , Learning & Research Skills Towards Global Standards” organized by APPA Institute of Engineering & Technology, Kalaburagi and Godutai Engineering College for Women Kalaburagi and Sharanbasaveshwara Science College PG Course, Kalaburagi. in association

FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

	with VNEC, Shorapur & LAEC, Bidar. 19 th – 24 th July 2016
17.	FDP on “One Week State Level Faculty Development Program on Emerging Trends in Teaching , Learning & Research” organized by APPA Institute of Engineering & Technology, Kalaburagi and Godutai Engineering College for Women Kalaburagi in association with VNEC, Shorapur & LAEC, Bidar
18.	FDP on “Effective Teaching , Learning & Research Skills Towards Global Standards in Higher Education” organized by Godutai Engineering College for Women Kalaburagi APPA Institute of Engineering & Technology, Kalaburagi and in association with VNEC, Shorapur & LAEC, Bidar. 8 th – 13 th January 2015
19.	FDP on “Recent Treand in VLSI Design and Embedded Systems” Organized by Department of Electronics and Communication Engineering , APPA Institute of Engineering & Technology, Kalaburagi. 5 th – 8 th May 2014
20.	FDP on “Advanced Techniques for Simulation of Wireless Networks” Organized by Godutai Engineering College for Women Kalaburagi in association with APPA Institute of Engineering & Technology, Kalaburagi. 13 th -17 th Feb 2014
21.	FDP on “Image Processing & Communication Systems (IPCS-2013)” Organized by Department of Electronics and Communication Engineering , APPA Institute of Engineering & Technology, Kalaburagi.in association with IETE new Delhi & iste Bengaluru Chapter. 21 st -22 nd sept 2013
22.	FDP on “Exploring New Learning Opportunities in IT & Embedded Domain” Organized by PDA College of Engg.. in collaboration with Dept of E &CE & CSE under Industry Institute Partnership Cell(IIPC). 5 th – 6 th October 2012
23.	FDP on “Vector Control of Induction Motor” At VTU Campus, Belgaum. Organized by Shirid Sai Engineering College for Anekal, Bengaluru. 17 th -19 th March 2011
24.	FDP on “Document Preparation for Research Publications” Organized by Dept of ECE, PDA College of Engg. 2 nd - 4 th April 2010

Special Lectures Presented	
1.	As a Resource person for the one day seminar on “Awareness on Patent” on 28 th Feb 2025, Under IEEE Student Branch, In association with IEEE MTTS, Lingaraj Appa Engineering College Bidar.
2.	“Design and Analysis of Low Power 6T-SRM Cell for Advanced Processors”, 4 th International Conference on Signal Processing, Communications and System Design [ICSPCOMSD-2019] with ISBN: 978-93-83038-75-6 held on 8 th & 9 th Feb 2019 at Mall Reddy Engineering College for Women.
3.	“Effects of Single & Double Wide Slotted Microstrip Patch Antennas using Direct Contact Probe Feed Excitation with Broadsided Radiation Characteristics” Nation Conference on Communication and Data Science (NCCDS-2019) in association with IETE and publication partners BJIT-Springer & IJCA on 26 th April 2019

FACULTY OF ENGINEERING & TECHNOLOGY (EXCLUSIVELY FOR WOMEN)
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4.	“Study of Circular with Horizontal Slotted Antenna for High Frequency Application”, One Day Nation Conference on “Instrumental Methods of Analysis” organized by Dept of UG & PG Studies in Physics & Electronics on 29 th Sept 2018.
5.	“Double Octagonal Shape Microstrip Antenna”, National Conference on Recent Innovations in Engineering & Technology-2014 (NCRIET-2014), Organized by ECE , CSE and Mechanical Dept, BKIT, Bhalki held on 3 rd and 4 th May 2014
6.	“Handwriting Recognition Using HTK”, International Conference on “Communication, Computation, Control & Nanotechnology” (ICN-2010) held during October 29 th & 30 th 2010 at Rural Engineering College, Bhalki.

Role & Responsibilities	
1.	Board of Studies Member, SUK
2.	Board of Examination Member, SUK
3.	PAC Member, Dept of ECE, FETW, SUK
4.	DAB Member, Dept of ECE, FETW, SUK
5.	Member of Committee for SC/ST, SUK
6.	Member Secretary of SC/ST Cell, FETW, SUK
7.	Women Empowerment Cell Member, FETW, SUK
8.	Syllabus Coordinator (UG), Dept of ECE, FETW, SUK