

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

Personal Details	
<b>Name:</b> Dr. Sangeeta Patil	
<b>Designation:</b> Assistant Professor	
<b>Department:</b> Electronics and Communication Engineering	
<b>College Address:</b> FETW, Sharnbasva University, S.B campus, Vidya Nagar, Kalaburgi 585103	
<b>Contact:</b> 9591452246	
<b>E-mail id(college mail id):</b> sangeetacol44@gmail.com	

<b>Areas of Interest</b>	Biomedical image processing, IOT, Embedded systems
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Subjects Taught	
UG	PG
Analog and digital communication	Advanced digital communication
Network analysis	
Signals and systems	
Basic electronics	
Embedded systems	
Antenna theory	
Information theory and coding	
Digital image processing	
Digital Signal Processing	

Academic Background				
Degree	Specialization	Name of The Institute	University	Month and Year of Passing
<b>Ph.D</b>	Biomedical image processing	Poojya Doddappa Appa College of Engineering, Kalaburgi	VTU (Visvesvaraya Technological University, Belagavi)	2024
<b>PG (M.tech)</b>	M. Tech (Communication Systems)	Poojya Doddappa Appa College of Engineering, Kalaburgi	VTU (Visvesvaraya Technological University, Belagavi)	2014

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<b>UG (B.E)</b>	B.E (Electronics & Communication Engineering)	Basavakalyan engineering college, Basavakalyan	VTU (Visvesvaraya Technological University, Belagavi)	2012
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Work Experience							
Name of the Institution		Position		From		To	
Godutai Engineering College for Women		Assistant professor		August 2014		October 2020	
Faculty of Engineering and technology (Ex-women), Sharnbasva University, Kalaburagi		Assistant professor		September 2020		Till dated	
<b>Total Experience</b>	11.4	<b>Teaching</b>	Teaching	<b>Research</b>	7	<b>Administration</b>	

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
8			01		9
Recent Publications(Journals)					
<b>Sangeeta</b> , and Dr. Nagendra, H., 2021,“An Efficient Technique for Tumor Detection and Classification Using K-Means Clustering Algorithm,” <i>Annals of the Romanian Society for Cell Biology</i> , pp.169-180					
<b>Sangeeta</b> ,andNagendra. H., "Brain Tumor Detection and Classification Using Clustering and Comparison with FCM," <i>International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)</i> , 2022, pp. 1-6. doi: 10.1109/ICSES55317.2022.9914252.					
<b>Sangeeta</b> , Dr. Nagendra H.,2023,“Brain tumor detection and classification with feature extraction and reduction using DWT and PCA,” <i>Journal of Survey in Fisheries Sciences</i> , Vol. 10 No. 2S (2023): Issue2, pp. 948-963. <a href="https://sifisheriessciences.com/journal/index.php/journal/article/view/751">https://sifisheriessciences.com/journal/index.php/journal/article/view/751</a>					
<b>Sangeeta</b> , Dr. Nagendra H.,2023,“Brain Tumor Detection using Edge Detection Method and Calculation of Tumor Area,” <i>Journal of Harbin Engineering University</i> , ISSN: 1006-7043, Vol. 44, No. 8 August 2023, pp:1759 – 17. <a href="https://harbinengineeringjournal.com/index.php/journal/article/view/111771">https://harbinengineeringjournal.com/index.php/journal/article/view/111771</a> .					
<b>Sangeeta</b> , &Dr.Nagendra.H.2023 “Early Stage Brain Tumor Detection And Classification Using KSVM					

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Algorithm In GUI Window,” *Journal of Advanced Zoology*, 44(5), pp 514–528,2023.

<https://doi.org/10.53555/jaz.v44i5.2994>

Memberships in Professional Bodies	
S.No.	Name of the Professional Body
1.	ISTE
2.	IETE

Programs Organized	
1.	Antiterrorism day
2.	International day for biological diversity
3.	World no tobacco day
4.	World bicycle day
5.	World environment day
6.	World elder abuse awareness day
7.	8 <sup>th</sup> International yoga day
8.	One day webinar on FOOD-PLANET-HEALTH (Online Mode).
9.	Health awareness program
10.	Spreading about freedom fighter
11.	Spreading awareness of to stop abuse of senior citizen
12.	Independence Day celebration
13.	Partition horrors Remembrance Day
14.	Awareness program on basic life support
15.	No vehicle day and selfie without plastic day
16.	Awareness and pledge program on Global hand washing day
17.	Clean India program
18.	Unity Day and exhibition on sardar Vallabhbhai Patel
19.	Awareness and pledge program on anti-corruption
20.	Distribution of fruits to indoor patients of GIMS hospital
21.	Seva at goshala by NSS volunteers and faculty members of Sharnbasva University
22.	National constitution day
23.	International day for the elimination of violence against women
24.	Walkathon by NSS unit for awareness on save soil

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25	Training programme on Child sexual abuse
26	Training programme on save girl child
27	World cancer day
28	Awareness program on national helpline for senior citizen
29	World environment day
30	9 <sup>th</sup> International yoga day
31	On the eve of death anniversary of Poojya doddappa appaji a walkathon program conducted .
32	Swachh Bharat abhiyan
33	National Unity Day celebrated.
34	Awareness program on stock market and investment
35	Speech competition on “women empowerment”
36	National youth day
37	Awareness program understanding of the security markets & mutual funds
38	Republic day celebration
39	Awareness program on cancer cervix awareness and HPV vaccination
40	Hon’ble prime minister’s speech on “27 <sup>th</sup> national youth festival 2024”
41	World cancer day
42	Voter awareness program
43	Awareness Program on NRI Forum Karnataka
44	Spreading awareness of to stop abuse of senior citizen
45	Voter awareness program
46	PPT presentation of menstrual hygiene
47	Cleaning campus
48	Bike rally on Beti PadaoBeti Bachao

Sl.No.	Training Programmes Attended
1.	Biomedical signal processing and analysis for cognitive neuroscience study
2.	“Artificial Neural Networks and Fuzzy Logic for Pattern Recognition Applications using MATLAB”
3.	State Level One Week FDP on “Effective Teaching, Learning & Research Skills towards Global Solutions. ”
4.	International Conference on “Internet of Things”
5.	3 days workshop on “Research Methodology & Technical Documentation using Latex”

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6.	2 days workshop on “Artificial Intelligence and Machine Learning.”
7	One week FDP on “Applications of LabVIEW in Teaching & Research.”
8	Webinar on “Course Outcomes for Outcome Based Education (OBE)”
9	Webinar on “Research opportunities in Electrical Drives.”
10	Webinar on “NIRF & ATAL ranking of institution and achievements”
11	Webinar on “CYBER WARFARE”
12	The international e-workshop on “innovative techniques in digital media productions with mobile app”
13	ATAL FDP on "Artificial Intelligence in Image Processing"
14	ATAL FDP on “Precision agriculture and nanotechnology: making agriculture future ready”
15	National webinar on “Financial empowerment through wealth creation”
16	International webinar on “Financial empowerment and career options in securities market”
17	One week national level FDP on “Renewable energy for sustainable development”
18	One week national level FDP on “Recent research trends in biomedical technology”
19	Webinar on Full stack development”
20	Webinar on “intellectual property rights”
21	One day international seminar on “Robotics and conceptual thinking in higher education”
22	Skill based training program on “First Responder”
23	Five days online international faculty development program on “NLP and Chat GPT application”
24	30 Hours national faculty development program on “cyber security”
25	Faculty Development Program on “Cloud Architect”
26	ATAL FDP on “RESPONSIBLE AI”

**Special Lectures  
Presented**

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Role & Responsibilities	
1.	NSS COORDINATOR
2.	SUK UTSAHCOORDINATOR