



**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education, Bengaluru**  
**Department of Electronics & Communication Engineering**



**FACULTY PROFILE**

**1. Personal Details**

NAME	Mrs. Suguna G C		
DEPARTMENT	Electronics & Communication Engineering		
DESIGNATION	Assistant Professor		
PHONE	+91 9611692222		
EMAIL ID	<a href="mailto:sugunagc@jssateb.ac.in">sugunagc@jssateb.ac.in</a>		
TEACHING EXPERIENCE	17		
INDUSTRY EXPERIENCE	Nil		
RESEARCH EXPERIENCE	7		

**2. Qualification**

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
ATS or any other certification	Digital Electronics and Communication	AMC Engineering college, Bengaluru	VTU, Belgaum
BE / Diploma / ITI	Electronics and Communication Engineering	Bangalore College of Engineering and Technology, Bengaluru	VTU, Belgaum
PUC	PCMB	Kishore Vidya Bhavan, Chintamani	
SSLC	CBSE	Jawaharlal Navodaya Vidyalaya, Yenigadale	

**3. Membership of Professional Bodies:**

1.
2.

**4. Awards**

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization

**4. Publications ( Journals Conferences )**

- Suguna G C, S. T. Veerabhadrapppa, " Identification and classification of prakriti of human using facial features", IAES International Journal of Artificial Intelligence., 2024, 13(2), pp. 2091–2099.
- Suguna, G. C., S. T. Veerabhadrapppa, A. Tejas, P. Vaishnavi, Raghunandan Gowda, Panchami Udupa, Smitha Reddy, and E. Sudarshan. "A Machine learning Classification approach for detection of Covid 19 using CT images." *EMITTER International Journal of Engineering Technology* (2022): 183-194.

- Suguna, G. C., S. T. Veerabhadrapa, and Abhishek Gosh. "Acquisition and Identification of Vata, Pitta and Kapha of an individual." In *2022 Fourth International Conference on Cognitive Computing and Information Processing (CCIP)*, pp. 1-9. IEEE, 2022.
- Suguna, G. C., Sunita L. Shirahatti, S. T. Veerabhadrapa, Sowmya R. Bangari, Gayana A. Jain, and Chinmyee V. Bhat. "Automatic Detection of Musical Note Using Deep Learning Algorithms." In *Intelligent Communication Technologies and Virtual Mobile Networks: Proceedings of ICICV 2022*, pp. 381-392. Singapore: Springer Nature Singapore, 2022.
- Bangari, Sowmya R., Sunita Shirahatti, S. T. Veerabhadrapa, G. C. Suguna, and H. S. Kavitha. "Communication Decipher: Text to Speech and Hand Gesture to Speech Conversion." In *2022 Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE)*, pp. 1-6. IEEE, 2022.
- Suguna, G. C., H. S. Kavitha, and S. Sunita. "Face recognition system for realtime applications using SVM combined with FaceNet and MTCNN." *Int. J. Electr. Eng. Technol.(IJEET)* 12 (2021): 328-335.
- Veerabhadrapa, S., PM Shivakumara Swamy, G. C. Suguna, S. K. Srinidhi, and D. Priyanka. "Continuous monitoring of Physiological parameters using PPG." *Indian Journal of Science and Technology* 14, no. 20 (2021): 1689-1698.
- Suguna, G. C., Sunita Shirahatti, Sowmya R. Bangari, and S. T. Veerabhadrapa. "Classification of Atrial Fibrillation using Random Forest Algorithm."
- Suguna G C, Veerabhadrapa ST (2020) Denoising wrist pulse signals using variance thresholding technique. *Indian Journal of Science and Technology* 13(41): 4275-4286. <https://doi.org/10.17485/IJST/v13i40.1625>
- GC, Suguna, and S. T. Veerabhadrapa. "A review of wrist pulse analysis." *Biomedical Research* 30.4 (2019): 538-545.
- Ananya K S, Bhumika L Raju, Padmini Dhruvaraj, Shuchitha A, Suguna G C, 2020, VPK Analyser, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) IETE – 2020 (Volume 8 – Issue 11).
- Kavitha H. S., Suguna G. C., "Eye Blink Detection System for Paralyzed Patients", *International Journal of Recent Technology and Engineering (IJRTE)*, Blue Eyes Intelligence Engineering & Sciences, Voume -8, Issue -6, Page No 2277-3878.
- Suguna G C, Veerabhadrapa. S. T, "A review of wrist pulse analysis", *Biomedical Research*, Volume: 30, issue: 4, 2019, 538-545.
- Bandekar, Priya Paresh, and G. C. Suguna. "LSB Based Text and Image Steganography Using AES Algorithm." 2018 3rd International Conference on Communication and Electronics Systems (ICCES). IEEE, 2018.
- Dharshan, Suguna. G C "Wrist Pulse Signal Monitoring System", *International Conference on Signal, Image Processing Communication and Automation*, Grenze Scientific Society, 2017.
- Sinchana B, Unnikrishnan P, Kavitha, Suguna G C " Design and Implementation of Bit Error Rate Tester on FPGA for Spacecraft Data Acquisition System ", *International Journal of Engineering Trends and Technology*, Year 2016.
- Rajesh N Swami, Suguna G C "Patients monitoring Portal using Beaglebone Black", *International Journal of VLSI System and Communication Systems (IJVDCS)*, SEMAR GROUPS, 2015.
- Anajali yadav, Farheenkhan, Lavanya, Sukanya Nadiu, Suguna G C "Zero forcing and MMSE for Chaos Communication System", *International Conference on Emerging trends in Engineering and Technology , IFERP*, 2015.

## 6. Grants/Funding Received

Grant Amount	Project Name	Date of receiving the Grant	Grant issuing authority/ Body / Organization

## 6. Others : Workshops / Conference (Orgained/Attended)

### 6.a. Workshops / Conference organized

SL.NO	Workshops
1	

2	
3	

**6.b. Conference Attended ( those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)**


**6.c. workshop/ Seminar /Conference Attended ( those NOT sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)**

ATAL FDP on Deep Learning Intelligent Video Analytics & Computer Vision organized by the Department of Artificial Intelligence and Machine Learning, P.A. College of Engineering, Mangalore, during period January 21 to 27, 2025.
Faculty Development Program (FDP) on Electric Vehicle Technology, organized by JSS DASSAULT EV COE during period January 20th to the 24th 2025.
Capacity Building workshop for Assistant professors organized by skillsprout on 09.01.2025 and 10.01.2025 in JSSATE,Bengaluru
MEDTECH CONCELAVE 2024 held on 29-Feb-2024 organised by Computer Society of India Bangalore Chapter
"AI, ML and DS for Engineering Applications" from May 2, 2024, to May 11, 2024, organized by the Department of CSE, NIT Warangal, Warangal - 506004, Telangana and Department of ECE, SJB Institute of Technology, Bengaluru, Karnataka.
Cyber Crime and Forensic Tools, AICTE Recognized Faculty Development Programme organized by Information Management and Emerging Engineering Department during period of <b>23/05/2022 to 27/05/2022</b>
Wearable Devices, Faculty Development Program organized by ATAL Academy at St.Joseph's College of Engineering and Technology,Palai,Kerala during period of 17/01/2022 to 21/01/2022 .
Machine Learning Using Python' from 25 th -29 th May 2020 organized by School of Computing and Information Technology in association with ATS Learning Solutions.
Building research Eco system" from 2/3/21 to 4/3/21 organised by JSSATE, Bengaluru.
'LabVIEW' from 4 th to 8 th May 2020 organized LabVIEW Academy, SJBIT, Bengaluru.
Machine learning for IOT application Organized by Department of Information science and Engineering, BMSIT,Bangaluru on 28th jan to 1st feb 2019.
Faculty development Program on Internet of Things Organized by Department of Electronics and Communication Engineering, JSSATE,Bengaluru on 18th to 23rd June 2018.
Foundation Course on Data Analytics and learning Organized by Department of Information science and Engineering, SJCE, Mysuru on 5th to 7th July -2018
Hands-on Training Programme on Artificial Neural Networks and Fuzzy Logic using Mat lab Organized by Department of Information Technology, Madras Institute of technology ,Anna University, Chennai 29th to 31st January-2016
Electronics Communication and Trends Organized by the Dept. of Electronics & Communication Engineering, BNMIT,Bangalore on 19th to 23rd January-2015
Scientific Computing using Open Source Software-SCILAB for Signal and Image Processing Organized by the IEEE EMBS Bangalore Chapter and IEEE EMBS MSRIT Student Chapter on 26th June to 28th June 2014 at MSRIT, Bangalore

**6.d. PROJECT / Innovations/Patents**


**6.e. Any other information you will like to share about your professional experience**