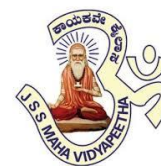





**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education, Bengaluru**  
**Department of Electronics and Communication**  
**Engineering**



**FACULTY PROFILE**

**1. Personal Details**

NAME	Shubha B	
DEPARTMENT	Electronics and Communication Engineering	
DESIGNATION	Assistant Professor	
PHONE	9880293646	
EMAIL ID	shubhab@jssateb.ac.in	
TEACHING EXPERIENCE	26 Years	
INDUSTRY EXPERIENCE	-	
RESEARCH EXPERIENCE	7 Years	

**2. Qualification**

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
Ph.D (Pursuing)	VLSI Design	PES College of Engineering, Mandya	VTU, Belgaum
M.Tech	VLSI Design and Embedded System	Sri Jayachamarajendra College of Engineering, Mysore	VTU, Belgaum
BE	ECE	Sri Jayachamarajendra College of Engineering, Mysore	Mysore
PUC	PCMB	JSS Women's College, Mysore	Karnataka State Pre-University Board
SSLC		JSS Girl's High School, Mysore	Karnataka State Senior Secondary Board

**3. Membership of Professional Bodies:**

1. Life Membership in Indian Society for Technical Education (MISTE)

**4. Awards:**

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization
Best Project Award	29-04-2019	4 <sup>th</sup> national Level Project Competition "IEEE Project Expo-2019", GSSS Institute for Engineering and Technology for Women.



**4. Publications (Journals Conferences )**  
**International Journals**

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Implementation of blood Glucose and cholesterol monitoring device using non-invasive technique	Mrs. Shubha B Dr. Anuradha M G Dr. Poornima N	EMITTER International Journal of Engineering Technology	Vol. 11, Issue. 1, Pg. 76 to 88 Year:June 2023	WoS	4.46	EEPIS
2	Secure and private data sharing in CPS e-health systems based on CB-SMO techniques	Poornima N Shubha B T Hemalatha, A Bhuvaneswari, K	Measurement: Sensors	Volume 27 pp.100787 Year:2023	Scopus	2.4	Elsever
3	Internet of Behavior: A Sneak Peek	Dr. Poornima N, Mrs. Shubha B	Efflatounia – Multidisciplinary Journal	Vol 5, Issue 2 pp. 1669-1678, Oct 2021	No		Efflatounia
4	A study on Non-Invasive Blood Glucose and Cholesterol Monitoring Device	Mrs. Shubha B, Mrs. Anuradha M G,Suprada H S, Sumedha, Prathiksha R V,Shrilaxmi Dixit	High Technology Letters	Volume 27, Issue 7, Pp:352-361 Year:2021	No	<b>2.7</b>	Science Press
5	A Comparative Analysis of Adder Circuits in CMOS, GDI &PTL	Mrs. Anuradha M G, Mrs. Shubha B, Punith Penumaka, Tejas B, Venu M and Yashas K	Journal of Huazhong University of Science and Technology	Vol 50, Issue 07, pp:1-13, July 2021	No		Journal of Huazhong University of Science and Technology
6	Smart Accident Prevention and Alerting System for Automobiles	Nisha T G, Smitha B R, Suraj Naik, Shubha B	International Journal of Research & Technology	Vol. No.08 Issue No.03 pp:96-101 Year:2020	No	4.8	IJRT
7	Secure Voting System using Aadhar and Biometrics	Sushmita K S, Sanmathi, Supreeth S, Abhishek V S, Shubha B	International Research Journal of Engineering and Technology(IRJET)	Vol. No.06 Issue No.06 pp:875-878 Year:2019	No	7.34	Fast track publications
8	SCS-MCSA-Based Architecture for Montgomery Modular Multiplication	Dr S T Veerabhadrapa Shubha B Pramoda B S	International Research Journal of Engineering and Technology (IRJET),	Vol. No.04 Issue No.08 pp:379-382 Year:2017	NO	6.171	Fast track publications
9	BIST Technique for Delay Measurement using Signature Registers	ShivanandKumbar, Shubha B	International Journal of VLSI System and Communication Systems (IJVDCS)	Vol. No.03 Issue No.03 pp:251-255 Year:2015	No	<b>3.163</b>	<b>SIMHAPURI PUBLICATIONS</b>



Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Emotion Recognition based on PPG and GSR Signals using DEAP Dataset	Shubha B, Poornima N, Vachana M Gowda, Sushma U, Meghana Y R, Bhoomika T S	2023 International Conference on Network, Multimedia and Information Technology (NMITCON)	IEEE Explore pp-1-7 Year:2023	Scopus	-	IEEE
2	Reduction of Power Consumption and Data Transmission on to a Webpage with a Comparative study on Arduino Uno and NodeMCU	Shrinidhi D Sowmya R Sahana Samyuktha Shubha B	Grenze Scientific Society	pp:390-395 Year:2017	No	-	Grenze Scientific Society
3	Design of a Low voltage Bandgap Reference Circuit	Poornima M, Shubha B	NCDDEE-14, Dept. of Electrical & Electronics Engineering, SSIT Tumkur Proceedings	pp:390-395 Year:2014	No	-	

## 5. Grants/Funding Received

Grant Amount	Project Name	Date of receiving the Grant	Grant issuing authority/ Body / Organization
6000/-	NON-INVASIVE GLUCOSE AND CHOLESTEROL MONITORING DEVICE	23 <sup>rd</sup> April 2021	KSCST (44 <sup>th</sup> Series, Student Project)

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

### 6.a. Workshops / Conference organized

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### 6.b. Conference Attended ( those sponsored by AICTE / ISTE/IETE/TEQIP or anyother sponsoring body)

Attended VLSID-2025 conference at Leela palace from 4-1-25 to 8-1-25, sponsored by VLSI Society of India.
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### 6.c. workshop/ Seminar /Conference Attended (those NOT sponsored by AICTE / ISTE/IETE/TEQIP or anyother sponsoring body)

Recent Trends and Applications of Nanoscale Devices and Circuits, 20 <sup>th</sup> to 31 <sup>st</sup> July 2024, Online, organized by E&ICT Academy, NIT Warangal
"Inculcating Universal Human Values in Technical Education, 12th June to 16th June 2023, organized by AICTE.
Analog VLSI Design using EDA Tools, 20th to 25th March 2023, , organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT
Importance Of Data Science In Machine Learning And Its Applications, 6th - 10th Feb 2023, organized by RV Institute of Technology and Management
VLSI ANALOG LABORATORY PRIMER, October 28, 2021 to November 17, 2021, organized by Entuple Technologies Ltd.
VLSI DIGITAL LABORATORY PRIMER, November 08, 2021 to eecember 0, 2021, organized by Entuple Technologies Ltd.
Building Research ECO System, Organised by JSS Academy of Technical Education, Bangalore,02-03-2021 to 04-03-2021



AI and ML Applications in Image Processing using Modern Tools, organized by Ramaiah Institute of Technology, Bangalore, 13-07-2020 to 18-07-2020
Short term course on “Fundamentals of Physical Design & Verification using Cadence Tool Flow”, organized by Entuple Technologies Pvt Ltd, 21-01-2019 to 25-01-2019
Electronic System Design, Manufacturing & Testing, organized by BMS College of Engineering, Bangalore, 27-07-2015 to 31-07-2015
Advanced VLSI Design using Cadence Tool Suite, organized by JSS Academy of Technical Education, Bangalore, 16-07-2014 to 18-07-2014

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

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

Resource Person for training program “Basic Electronics for Non Engineers” at Bharath Electronics Ltd, Bengaluru in April, May and September 2024.

Delivered Lectures on Subject “Analog Electronics” from 20-09-2016 to 27-09-2016 under VTU-EDUSAT programme-21.