

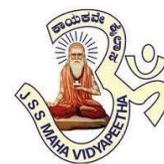


JSS Mahavidyapeetha

**JSS Academy of Technical Education**

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060

www.Jssateb.ac.in



## FACULTY PROFILE

### Department: Electronics & Instrumentation Engineering

#### 1. Personal Details

<b>NAME</b>	Mrs.ShilpaHR	
<b>DEPARTMENT</b>	E&I	
<b>DESIGNATION</b>	Assistant professor	
<b>PHONE</b>	8431843273	
<b>EMAILID</b>	shilpahr@jssateb.ac.in	
<b>Date of Joining (JSSATEB)</b>	24-05-2024	

#### 2. Experience

Total Experience in Years	Teaching:4 years 4 months	Industry:-	Research:-
---------------------------	---------------------------	------------	------------

#### 3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
<b>M.Tech</b>	<b>DECS</b>	2018	JNNCE, Shivamogga	Visvesvaraya Technological University(VTU)
<b>BE</b>	<b>Electronics and Communication</b>	2016	PESITM,Shivamogga	Visvesvaraya Technological University(VTU)
<b>2<sup>nd</sup>PUC</b>	<b>PCMB</b>	2012	Independent PU College, Shivamogga	Department of Pre-University Education
<b>SSLC</b>		2010	Mahaveera Vidyalaya, Shivamogga	Karnataka Secondary Education Examination Board

#### 4. Research & Publications

Papers Published in Web of Science indexed Journals	International:-	National:---
Papers Published in SCOPUS indexed Journals	International:2	National:
Papers Published in other Journals	International:	National:1
Papers Presented in Conferences/Symposium	International:2	National:3

## 5. Research Guidance

PhD Guide? Give field &University	NIL	
PhDs/Projects Guided	Ph.D .Awarded: Guiding :NIL	Projects at Master's Level: Projects at Bachelor's Level:

## 6. Grants

### i. Funds Received(Projects)

Project Name	Grant Amount	Date of receiving The Grant	Duration	Grant issuing authority/Body/ Organization
	NIL			

### ii. Patents

Sl. No.	Title Details	Details of award of patent/ Filed
	NIL	

### iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving The Grant	Duration	Grant issuing authority/Body/ Organization
NIL				

## 7. Awards Received

1. Best Paper Award for the paper titled “Automated Horn Based Horn Control” at the International Conference on IC-AISMART 2025, held from 11/12/2025 to 12/12/2025.
2. Best Project Award for the project “Driver Monitoring System to V2V Communication” at the Open Day exhibition held on 3<sup>rd</sup> May 2025 at JSSATEB.

## 8. Publications

### i. International Journals

Sl. No.	Title of the paper	Name(s)of Author(s)	Name of the Journal	Volume No. Issue No. Year	WO S / Sco pus / Bot h	Imp ac t Fact or	Publisher
1	Smart Giant walker: Advanced Confident Mobility	Shilpa H R, Karthik A S, Arun Kumar, Dheeraj D Shetty, Dilip Kumar	IC-AISMART 2025				
2	Automated Horn Based Horn Control	Shilpa H R, Bhoomika DS, Nischith P, Shalini T, Parikshith V	IC-AISMART 2025				

3	<b>A Novel Approach to Design Braun Array Multiplier Using Parallel Prefix Adders for Parallel Processing Architectures</b>	Shilpa H R, Rashmi D S, Sadiya Rukhsar R, VidyashreeC R, Kunjan D Shinde	ICSCS	2018, CCIS 837, pp. 602–614	-	-	Springer Nature Singapore Pte Ltd
4	<i>Modelling of Adders using CMOS and GDI Logic for Multiplier applications</i>	Shilpa H R, Rashmi D S, Sadiya Rukhsar R, VidyashreeC R, Kunjan D Shinde	IEEE	ICCPCT, 2016	978-1-5090-1277-0		

ii. National 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	Performance Analysis Of OFDM System Using Different Types Of Modulation  Techniques Under Different Fading Channels And Reducing PAPR Of An OFDM System By Clipping Method	Shilpa HR,& M D Sunil	JNNCE Journal of Engineering and Management	(JJEM), Vol 2, No. 1 January to June 2018.			

iii. Conferences

Sl. No.	Title of the paper	Name(s)of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	<i>Modelling of Adders using CMOS and GDI Logic for Multiplier applications</i>	Shilpa H R, Rashmi D S, Sadiya Rukhsar R, VidyashreeC R, Kunjan D Shinde		NCE TEC-2016,			
2	<i>Modelling of Multipliers using CMOS and GDI Logic for Embedded applications</i>	Shilpa H R, Rashmi D S, Sadiya Rukhsar R, VidyashreeC R, Kunjan D Shinde		NCE TEC-2016,			
3	Performance Analysis Of OFDM System Using Different Types Of Modulation Techniques Under Different Fading Channels And Reducing PAPR Of An OFDM System	ShilpaH R, & M D Sunil	National Conference On Advanced Research In Science, Engineering &Management	ISBN 978-81-926416-6-9,			

	By Clipping Method					
--	--------------------	--	--	--	--	--

s

**iv. Workshops/FDP/Conferences Attended**

Sl. No.	Name of the workshop/ Conference	Organizer	Date
1.	AI in Medical Imaging and Diagnostics: Current Trends and Challenges	MNIT Jaipur	07 July 2025–18 July 2025
2.	Skillsprout:2 days leadership development Program	Dept. MBA , JSSATEB	15 <sup>th</sup> and 16 <sup>th</sup> January 20205
3.	SkillDzire :FDP on IOT	SkillDzire	17-Mar-2025 To 31-Mar-2025
4.	SkillDzire :FDP on Embedded System	SkillDzire	4-October-2024
5.	Professional Development Program	JSS-STU	13 <sup>th</sup> to 15 <sup>th</sup> 2025
6.	ATAL FDP on Advancements in Telehealth Industry Using IoT	LAKSHMAIAH EDUCATION FOUNDATION DEEMED TO B UNIVERSITY OFF CAMPUS AZIZNAGAR HYDERABAD	20/01/2025 to 25/01/2025.
7.	Cyber crime & Forensic tools	NITTR Chandigarh	23/5/2022 to 27/5/2022
8.	Cryptography for Information Security	NITTR Chandigarh	09/5/2022 to 13/5/2022
9.	NEP2020-TouchingtheIceberg	JSSATEB	9th September 2022
10.	SECURE SYSTEM ENGINEERING	ISEA, IIT Guwahati	02/06/2022
11.	Python programming for Artificial Intelligence(AI) ,High-Performance Computing(HPC),and “Data Analytics	Miety, NIT Warangal	20th June 2022 to 1st July 2022
12.	IOT, Deep learning &Cloud computing	TATA Consultancy Services	27NOV2019
13.	Software defined Networking	BITES	8 <sup>TH</sup> AUGTO9 <sup>TH</sup> AUG2019
14.	"IMPACT OF EV CHARGER ON GRID & RES INTEGRATION"	SJBIT	8/6/2020
15.	“AI &Machine Learning”	SIT	12/05/2020
16.	Research Opportunities in Modern Antenna Design	PESITM	26/6/2020TO 28/6/2022
17.	New National Education Policy	JSSATEB	

18.	VIRTUAL IEEE faculty conclave on non IEEE Faculty MEMBERS	IEEE	25 <sup>TH</sup> APRIL 2020
-----	---	------	-----------------------------

**v. Workshops/Conference(Organized)**

Sl. No.	Name of the workshop/ Conference	Organized by	Date	Role
1	MSME Sponsored Management development program on Intellectual Property Right (FDP)	STEP,JSSATEB	11/02/2026 to 14/02/2026	Host and session co Coordinator
2.	MSME sponsored Entrepreneur Development Program (SDP)	STEP,JSSATEB	5/02/2026	Coordinator
3.	Technical talk on “Road map to Data Science and Analytics”	EIE, Department	23/11/2024	Coordinator
4.	Industry Visit to AMS ,Peenya ,Bangalore	EIE, Department	25/08/2025	Coordinator
5	First International Conference on Intelligent Computing and Communication Systems (CICCS-2025)	JSS Academy of Technical Education	18/09/2025 to 20/09/2025.	Reviewer

**vi. Conference Attended (those sponsored by AICTE /ISTE/IETE /TEQI Por any other sponsoring body)**

Sl. No.	Name of the workshop/ Conference	Organizer	Date
1			

**9. Details of NPTEL /COURSERA courses completed**

Sl. No.	Name of the subject	Organized by	Date of completion/Award	Grade/ Marks
1				

**10. Membership of Professional Bodies:**

1.
----

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

**Mrs. SHILPA H R**  
**Assistant professor**  
**JSS Academy of Technical Education**  
**Bangalore 560060**