



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

NAME	Mrs. Harshitha S	
DEPARTMENT	Electronics & Instrumentation Engineering	
DESIGNATION	Assistant Professor	
PHONE	+91 9742179284	
EMAIL ID	harshithas@jssateb.ac.in	
Date of Joining (JSSATEB)	29-07-2015	

2. Experience

Total Experience in Years	Teaching: 6.5 Years	Industry: 9 months	Research: Nil
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Electronics and Communication Engineering	2011	SJB Institute of Technology, Bengaluru, Karnataka, INDIA	Visvesvaraya Technological University, Belagavi
M.Tech.	Signal Processing and VLSI	2014	School of Engineering and Technology, Bengaluru, Karnataka, INDIA	Jain University, Bengaluru
Ph.D.	Image Processing and VLSI	Pursuing	SJCE, Mysuru	JSS Science and Technology University, Mysuru

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: Nil	National: Nil
Papers Published in SCOPUS indexed Journals	International: Nil	National: Nil
Papers Published in other Journals	International: 05	National: Nil
Papers Presented in Conferences / Symposium	International: 02	National: 01

5. Research Guidance

PhD Guide? Give field & University	No	
PhDs / Projects Guided	Ph.D. Awarded: Nil Guiding: Nil	Projects at Master's Level: Nil Projects at Bachelor's Level: 08

6. Grants

i. Funds Received (Projects)

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

ii. Patents

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

iii. Consultancy

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

7. Awards Received

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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	WOS / Scopus / Both	Impact Factor	Publisher
1	A Survey on Regenerative Braking Systems and other Smart Safety Systems in Electric Vehicle	Bhavana P Bhuvana V Sameeksha K Deeksha	Journal of Huazhong University of Science and Technology	ISSN: 1671-4512, Volume 50, Issue 02 , March-2021			
2	Design and Development of Mecanum Wheel Based Multifunctional Robot	Amogha N Maiya, Nikhil Kumar, Pranav P Rao, Vaibhav J Pai	Journal of Mechanical Robotics	e-ISSN: 2582-2187 Volume-5, Issue-2 January-April, 2020			MAT Journals
3	Review on Hyper Maneuverable Multi-Functional Robot	Amogha N Maiya, Nikhil Kumar, Pranav P Rao, Vaibhav J Pai	International Research Journal of engineering and Technology (IRJET)	e-ISSN:2395-0056 p-ISSN:2395-0072 Month & Year : November 2019		7.34	International Research Journal of engineering and Technology (IRJET)
4	Comparative Performance Analysis of a High Speed 2-D Discrete	Mr. Gopalakrishna K	International Journal of Emerging Trends & Technology	ISSN : 2278-6856 Volume No. : 3 Issue : 4			International Journal of Emerging Trends & Technology in

	Wavelet Transform using Three different Architectures		in Computer Science	Month & Year : August 2014 Page Nos. :223-234 (12)			Computer Science'
	A 3-Stage Pipeline VLSI Architecture for Fast Computation of the 2-D Discrete Wavelet Transform	Mr. Gopalakrishna K	International Journal of Science and Research	ISSN (Online) : 2319-7064 Volume No. :3 Issue :7 Month & Year : July 2014			International Journal of Science and Research

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

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	A Comparative Study on Accident Avoidance System in Cars	Manjunath Prasad Kavya K V Kripa Kiran Ankith R Patil	9 th International Conference on Recent Engineering and Technology 2019	Month & Year : May 2019			Organized by Organization of Science and Innovative Engineering and Technology (OSIET)
2	Comparison of Advanced Public Transportation Using RFID System and Other technologies		International Conference on Signal, Image Processing, Communication and Automation	Month & Year : July 2017			Organized by the Dept. of ECE and the Dept. of E&IE., JSSATE, Bengaluru
3	Noise Cancellation in EMG signal using Adaptive filter	Pallavi B Vishnu Priya G L	National Conference on Embedded Systems and Signal Processing				Organized by the Dept. of Electronics & Communication Engineering, School of Engineering and Technology, Jain University, Bangalore

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Online Training Programme on "MATLAB and LabVIEW Programming for Engineering Applications"	National Institute of technical Teachers Training and Research, Chennai	24-01-2022 to 04-02-2022
2	One week Online Faculty Development Program on "AI Applications to Power Systems"	Department of Electrical & Electronics Engineering, Siddaganga Institute of Technology, Tumakuru	17-01-2022 to 22-01-2022
3	National Level Online One Week Faculty Development Program on "Outcome Based Pedagogy for effective Teaching and Learning in Engineering Education"	SKN Sinhgad College of Engineering, Pandharpur	14-06-2021 to 18-06-2021
4	Six days Online STTP on "Developing Research and Development Culture in Industry Institute Interaction Oriented Modern Teaching Learning and Project Based Learning"	Dept. of ECE., Francis Xavier Engineering College, Tamilnadu	14-09-2020 to 19-09-2020
5	Five Day Online Faculty Development Program on "Recent Advances in Photonics Technology"	Dept. of ECE., Vidya Vardhaka College of Engineering, Mysuru	07-09-2020 to 11-09-2020
6	Two Week Online Faculty Development Program on "FABRICATION OF ELECTRONIC DEVICES USING NANOMATERIALS"	Dept. of ECE., JSS STU, Mysuru	24-08-2020 to 04-09-2020
7	Five days Online Faculty Development Program on "Future Energy Trends & its Impact"	Dept. of Electrical and Electronics, SJBIT, Bengaluru	24-08-2020 to 28-08-2020
8	One Week Online Workshop on "Biosensors:Fundamentals to Advances, Scope and Applications"	Dept. of Medical Electronics, Dept. of Electronics and Telecommunication Engg., Ramaiah Institute of Technology, Bengaluru	03-08-2020 to 08-08-2020
9	Online Faculty Development Program on "Demystify Design Thinking in Multidisciplinary Engineering:IT Approaches"	Dept. of CSE, ISE amd MCA, Ramaiah Institute of Technology, Bengaluru	27-07-2020 to 01-08-2020
10	One Week Online Faculty Development Program on "Experts View and Analysis of Online Educational Tools"	Dept. of CSE, Dr. Punjabrao Deshmukh Poltechnic, Amravati	27-07-2020 to 31-07-2020
11	One Week Online Faculty Development Program on "Research Avenues in Health care Technology"	Dept. of EIE., JSS STU, Mysuru	21-07-2020 to 25-07-2020
12	Five Days Online Faculty Development Program on "Sensors and Their Applications"	Dept. of ECE., Vemana Institute of Technology, Bengaluru	13-07-2020 to 17-07-2020
13	One Week Online Faculty Development Program on "Research Proposal Writing and Opportunities in the field of Science, Engineering, and Management"	R & D Centre, Bangalore Institute of Technology, Bengaluru	06-07-2020 to 11-07-2020
14	Short Term Training Program on "Speech, Audio and Music Processing"	Dept. of E&CE, National Institute of Technology Karnataka, Surathkal	28-01-2020 to 01-02-2020
15	Two Days workshop on "Deliberation of 3-8th semester 2018 scheme and syllabus"	Visvesvaraya technological University	29-04-2019 to 30-04-2019
16	Seven Days training programme on "Data Analytics, Machine Learning and Applications in Engineering"	Dept. of EIE., JSS STU, Mysuru	10-01-2019 to 16-01-2019
17	Short Term Course on "High Voltage Engineering: Generation, Measurement and its Applications"	Dept. of Electrical Engineering, National Institute of Technology, Kurukshetra	16-08-2018 to 20-08-2018
18	Workshop on "Research Methodologies"	JSS Science & Technology University, Mysuru	18-11-2017 to 19-11-2017
19	Workshop on "Big Data Analytics"	Dept. of MCA, JSS Science & Technology University, Mysuru	23-09-2017
20	Short Term Course on "Artificial Intelligence, Signal and Image Processing using NI LabVIEW"	Dept. of Electrical Engineering, National Institute of Technology, Rourkela	15-06-2017 to 24-06-2017
21	Short Course on "Enhancing Pedagogical Skill"	JSSATE, Bengaluru	17-01-2017 to 21-01-2017
22	Workshop on "Accreditation Process for Technical Institutions"	JSSATE, Bengaluru	26-08-2016 to 27-08-2016

23	One Week Workshop on :Digital Image Processing: Basics to Recent Trends”	Dept. of Computer Science and Engineering, Sri Jayachamarajendra College of Engineering, Mysuru	13-06-2016 to 17-06-2016
24	One week Workshop on “Recent Advances in Industrial/Process Automation and Controls”	Dept. of Electronics and Instrumentation Engineering, BMS College of Engineering, Bengaluru	30-05-2016 to 04-06-2016
25	One week Workshop on “Principles, Practices and Applications of Computer Vision”	Dept. of Electronics and Instrumentation Engineering, BMS College of Engineering, Bengaluru	17-10-2015 to 21-10-2015

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	RRRLF sponsored Two-Days’ Training Programme on “Advance Software Resources for Digital Library Management and Library Automation”	Dept. of E&IE., JSSATE, Bengaluru	13 th & 14 th December 2021	Coordinator
2	DST sponsored Two weeks FDP on “OPPURTUNITIES & CHALLENGES IN ENTREPRENEURSHIP”	Dept. of E&IE., JSSATE, Bengaluru	15 th – 26 th March, 2021	Coordinator
3	Two days workshop on Robotics and Mobile Making	Dept. of E&IE., JSSATE, Bengaluru	04 th and 5 th of November, 2019	Organizing Committee
4	IoT-Trends and Opportunities	Centre for Inter-Disciplinary Research and ECE & EIE, JSSATE, Bengaluru	4 th and 5 th July 2018	Coordinator
5	International Conference on Signal, Image Processing, Communication and Automation	Dept. of ECE and the Dept. of E&IE., JSSATE, Bengaluru	6 th and 7 th of July, 2017	Organizing Committee
6	13th State level ISTE students’ annual convention E-Pravarthanahas-2K16.	Dept. of Electronics & Instrumentation Engineering, JSSATE and ISTE	25 th August 2016	Coordinator

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

Sl. No.	Name of the workshop / Conference	Organizer	Date
1	Online Elementary FDP on " DEEP LEARNING FOR COMPUTER VISION"	Panimalar Engineering College	23-08-2021 to 27-08-2021
2	Online Elementary FDP on " Advanced MATLAB for Scientific Computing"	University Polytechnic	13-09-2021 to 17-09-2021
3	Online Elementary FDP on "Internet of Things (IOT) with Artificial Intelligence (AI)"	Chandigarh College of Engineering & Technology (CCET-Degree Wing)	12-07-2021 to 16-07-2021

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Python Data Structures	School of Information University of Michigan	13/07/2020	98 %
2	Programming for Everybody (Getting Started with Python)	School of Information University of Michigan	10/07/2020	99 %
3	Fundamentals of Digital Image and Video Processing	Dept. of Electrical Engineering and Computer Science North Western University	26/06/2020	80 %
4	Data Science Math Skills	Duke University	26/06/2020	98 %
5	Problem Solving using Computational Thinking	University of Michigan	25/06/2020	100 %
6	Introduction to Machine Learning	Duke University	11/06/2020	94 %
7	Computer Vision Basics	Dept. of Computer Science Engineering The State University of New York	27/05/2020	100 %

8	Ethics in Engineering Practice	Indian Institute of Technology, Kharagpur	April 2020	97 %
9	Hardware Modeling Using Verilog	Indian Institute of Technology, Kharagpur	November 2019	72 %

10. Membership of Professional Bodies:

1. Life Membership in Indian Society for Technical Education (MISTE-LM114697)
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11. Any other information you will like to share about your professional experience

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