JSS Mahavidyapeetha

JSS Academy of Technical Education, Bengaluru

Department of Electronics&Communication Engineering

FACULTY PROFILE

1. Personal Details

NAME	SOWMYA R. BANGARI
DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING
DESIGNATION	ASSISTANT PROFESSOR
PHONE	9611553888
EMAIL ID	sowmyarbangari@jssateb.ac.in
TEACHING EXPERIENCE	12.7 years
INDUSTRY EXPERIENCE	Nil
RESEARCH EXPERIENCE	04 years

2. Qualification

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
ATS or any other certification	Applied Electronics	Dr MGR University, Chennai	Dr MGR University
BE / Diploma / ITI	Electronics and Communication Engineering	Sri Jayachamarajendra College of Engineering, Mysore	Mysore University
PUC	PCMB	JSS Women's College, Mysore	PU Board
SSLC		St. Mary's Convent School	State Board

3. Membership of Professional Bodies:

Nil

4. Awards

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization
Best paper award	17-12-2022	Dayanand Sagar Academy of Technology and Management
Best paper award	23-05-2018	Department of Electronics and Communication Engineering, Acharya Institute of Technology

5. Publications (Journals 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 Systematic Reviewon Voltage Stability Analysis in Smart and Islanded Microgrid Parallel Inverters	Sowmya R Bangari, Dr B G Shivaleelavathi	International Journal of Power Electronics and Drive Systems	15, 4, 2024	Scopus	1.93	IJPEDS Vol. 15, No. 4, December 2024, pp. 2420~2432 ISSN: 2088-8694, DOI: 10.11591/ijpeds.v15.i4.pp2420-2432
2.	Classification of Atrial Fibrillation using Random Forest Algorithm	Suguna G C, Sunita L. Shirahatti, Sowmya R. Bangari , Veerabhadrappa S T	International Journal on Recent and Innovation Trends in Computing and Communication	11, 10s, 10th August 2023	Others		IJRITCC ISSN: 2321-8169 DOI: https://doi.org/10.17762/ijritcc.v11i10s.7599
3.	Communication Decipher: Text to Speech and Hand Gesture to Speech Conversion	Sowmya R Bangari, Sunita L Shirahatti, S.T.Veerabhadrappa , Suguna G C, Kavitha H S	IEEE Xplore 2022 Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering ICATIECE,) on 16th – 17th Dec 2022 PUB: February 2023	-	Scopus	-	IEEE Xplore 10.1109/ICATIECE56365.2022.10046699 February 2023
4.	Automatic Detection of Musical Note Using Deep Learning Algorithms	G. C. Suguna, Sunita L. Shirahatti, S TVeerabhadrappa, Sowmya R.Bangari, Gayana A. Jain, Chinmayee V. Bhat	Springer (Part of book series: Lecture Notes on Data Engineering and Communications Technologies (LNDECT, Volume 131))	131 20th July 2022	Scopus		Springer https://doi.org/10.1007/978-981-19-1844-5_29 Print ISBN 978-981-19-1843-8 Online ISBN 978-981-19-1844-5
5.	Advanced Method in Predicting Coronary Artery Disorder using Machine Learning	Navya R, Neha K G, Ashwini K, Meenakshi B C, Sowmya R.	Journal of Huazhong University of Science and Technology	Volume: 50 Issue: 7 July 2021	Others	6.2	HUSTJOURNAL

		Bangari, Sheela S N					
6.	Face Recognition System for Real Time Applications Using SVM Combined with FACENET and MTCNN	Suguna G C, Kavitha H S, Sunita Shirahatti, Sowmya R Bangari	International Journal Of Electrical Engineering and Technology	Volume: 12 Issue: 6 PP: 328 – 335 26th June 2021	Scopus		IAEME
7.	Fast and Accurate Prediction of Coronary Artery Disorder using Artificial Intelligence	Sunita Shirahatti, Sowmya R Bangari, Ahana Shetty	High Technology Letters	Volume:26 Issue: 10 Pages 962 – 970 October 2020	Scopus	0.14	HTL Journal
8.	Mobile Charging Using Solar And Electrical Energy	Pavan Kumar L, Sadananda K, Sanjay G S, Sunil, Sowmya R. Bangari	International Journal of Scientific Research and Engineering Development	Volume:03 Issue: 04 Pages 549 – 554 Jul - Aug 2020	Others		IJSRED
9.	A comparative study of digital FIR and IIR band- pass filter	Nikita R. Pai, Chaithra S, Rekha J, Sowmya R. Bangari	International Research Journal of Engineering and Technology	Volume:06 Issue: 05 Pages 4244 – 4247 May 2019	Others	7.211	IRJET
10.	DEAF – MUTE – BLIND COMMUNICATION DECIPHERER KANNADA	Rohith Nandan, Shantanu S. Tengse, Suhas A. Balagar, Sowmya R. Bangari					
11.	Controlling Of An Induction Motor And Real Time Monitoring Of Motor Temperature Using Microcontroller And Android Bluetooth	Ranjana M, Sowmya R Bangari, Mahesh Reddy A. V.					
12.	Image Forgery Detection using Dyadic Framelets	Uma B S, P M Shivakumaraswamy, Shashidhara H R, Sowmya R. Bangari	International Journal of Information Technology and Computer Engineering	Page 20 – 24	Others		IJITC

6. Grants/Funding Received

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

6.Others :Workshops / Conference (Orgainsed/Attended)

6.a. Workshops / Conference organized / SDP organized

1.	"Exploring MATLAB: Basic Operations and Simple Programming Tasks", SDP for 3rd semester students on 3rd and 4th September 2024 for ECE and AI&ML departments in association with CoreEL Technologies**,** Bengaluru

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

1. Attended IEEE - VITM Distinguished Lecture on SMART Power Flow Controller For Smart Grid Applications, 19th December 2014, VITM, Bengaluru

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

1. "Frontiers of Machine Learning and Deep Learning: Fundamentals and case studies in Signal Processing Computer Vision and Medical Imaging Applications", 20-05-2024 to 24-05-2024, Dept. of ECE, CMR Institute of Technology, Bengaluru (ONLINE MODE)
2. "Advanced Control and Energy System Modelling", 07-10-2023, LMS Solution
3. "VLSI to System Design: Silicon to End Application Approach ", 31-07-2023 to 04-08-2023, AICTE, Arm Education and STMicroelectronics.
4. "Introduction to Python Programming and its Applications", 19th to 23rd June 2023, AICTE – VTU Joint Training Programme for Teachers, VTU – HRDC, VIAT, Muddenahalli.
5. "Capacity Building in R&D", 16-03-2023, JSSATEB
6. "Connecting People to the Semiconductor Industry", 05-12-2022 to 17-12-2022, Dept. of ECE, SRM Institute of Science and Technology (ONLINE MODE)
7. Machine Learning for All, Coursera, 4 weeks, 11th February 2022, University of London
8. "An Overview of Teaching Techniques in Basics of Electronics and Communication Engineering", 13th – 17th December 2021, AICTE – VTU Joint Training Programme for Teachers, VTU – HRDC, VIAT, Muddenahalli.
9. Power Electronics for Power System, 06-12-2021 to 10-12-2021, 05 days, AICTE Training and Learning (ATAL) Academy at RIT, Kottayam (ONLINE MODE)
10. Deep Learning Architectures for Image Processing Applications, 27-07-2020 TO 31-07-2020, 05 days, J N N College Of Engineering, Shivamogga (ONLINE MODE)
11. The BodhiTree and SAFE Tools for Effective Online Teaching: A Hands-On Workshop, 14-06-2020 TO 21-06-2020, 08 days, IIT Bombay (ONLINE MODE)
12. Usage of Technology in Covid – 19, 28-05-2020 TO 02-06-2020, Terna Engineering College, Nerul, Navi Mumbai (ONLINE MODE)
13. Python Programming: A Concise Introduction, 12-05-2020 TO 05-06-2020, (4 weeks) - COURSE ERA- WESLEYAN UNIVERSITY
14. Embedded System Design with ARM, Jan – April 2020 (8 weeks) - NPTEL
15. Hardware Modelling Using Verilog, Aug – Oct 2019 (12 weeks), NPTEL
16. 5 Days Faculty Development Program on "Digital V:LSi Testing", 24th to 28th July 2018, Dept. of ECE, APS College of Engineering, Bengaluru
17. National Conference on Trends in Industrial Power Electronics and Controls, 29th and 30th January 2015, KLSCET's Dr. M S Sheshagiri College of Engg. And Technology, Belgavi

6.d. PROJECT / Innovations/Patents

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

Books / Book chapters Published	Name of the book: **Advanced Microprocessor Lab manual** Publisher: M/S Subhas Year of Publication: 2008
	Name of the book: **HDL Lab manual** Publisher: M/S Subhas Year of Publication: 2014