



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



• **Personal Details**

NAME	Dr. Kavitha H S	
DEPARTMENT	Electronics and Communication Department	
DESIGNATION	Assistant Professor	
PHONE	9686599335	
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TEACHING EXPERIENCE	16 years	
INDUSTRY EXPERIENCE	9 months	
RESEARCH EXPERIENCE	10 years	

• **Qualification**

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
Ph.D	Machine Learning, Renewable Energy	JSSATEB, B'lore	VTU,Belagavi
ATS or any other certification	Industrial Electronics	SJCE, Mysore	VTU,Belagavi
BE / Diploma / ITI	Electrical and Electronics Engineering	NIE, Mysore	VTU,Belagavi
PUC	PCMB	Junior boys college, Nanjangud	
SSLC		Girls High School, Nanjangud	

• **Membership of Professional Bodies:**

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

4. Awards

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

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 / Both	Impact Factor	Publisher
1	High efficiency single input multiple output DC-DC converter	Kavitha H S	IJIFR	Volume 3 Issue 5 January 2016			
2	Eye Blink Detection System for Paralyzed Patients	Kavitha H. S., Suguna G. C.	International Journal of Recent Technology and Engineering (IJRTE)	Volume-8 Issue-6, March 2020	Scopus		
3	Bridge Condition Monitoring System And Boat Height Prediction	Ramyashree B, Kavitha H S	International Journal of Scientific Research and Engineering Development	Volume 3 Issue 3, May – June 2020			
4	Power Integrated Circuits	Chandana Gopal.K, Kavitha H S	ICrTSIV-2015				
5	Implementation of QRS Detector Based on Adaptive Threshold Technique	Ananth M Kavitha H S	NCPIP 2014				
6	VHDL Implementation Of QRS Detector for Heart Arrhythmia Detection Based On Adaptive Threshold Technique	Ananth M Kavitha H S	Proceedings of the Second National Conference on Wireless Control & Communication Technologies NCWTC 2014,	ISBN :9788192710471			

7	Design And Implementation Of Dsp Based Highfrequency Three Phase Spwm Generator	Narasimha Murthy R, Kavitha H S	ICSIPCA-2017				
8	Communication Decipher: Text To Speech And Hand Gesture To Speech Conversion	S. R. Bangari, S. Shirahatti, V. S. T, S. G. C and K. H. S	<i>International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE)</i>	doi: 10.1109/ICATIECE56365.2022.10046699			
9	Review Paper On Covid-19 Patient Isolation Detector	Kavitha, H.S., Patil, S., Abhiram, M.S., Shetty, A.J., Gowtam, G., Srinath, A	Proceedings of Third International Conference on Intelligent Computing, Information and Control Systems. Advances in Intelligent Systems and Computing	vol 1415. Springer, Singapore			
10	Implementation Of Lbph Algorithm For Covid Patient Isolation Violation Detection	S. Patil and K. H. S	<i>IEEE 7th International Conference on Recent Advances and Innovations in Engineering (ICRAIE), MANGALORE</i>	doi: 10.1109/ICRAIE56454.2022.10054259.			
11	Microcontroller Implementation Of The Maximum Power Point Tracking Technique For Pv Systems	K. H S, M. B S, S. S and S. Patil	2022 International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Salem	doi: 10.1109/ICAAIC53929.2022.9793023.			

12	An Optimized Power Management System For Solar And Wind Energy Using Hybrid Inverters And Machine Learning	H. S. Kavitha, S. Mallikarjun aswamy and N. Sharmila	IEEE Second International Conference on Networks, Multimedia and Information Technology (NMITCON)	https://doi.org/10.1109/NMITCON62075.2024.10698831			
13	A Comprehensive Study On Dc-Dc Converter For Equal Current Sharing and Voltage Stability In Renewable Energy Resources	H. S. Kavitha, S. Mallikarjun aswamy and N. Sharmila	Journal Europeen des Systemes Automatises, 2024	https://www.ieta.org/journals/jesa/paper/10.18280/jesa.570202	Q3		
14	Optimizing Energy Storage And Hybrid Inverter Performance In Smart Grids Through Machine Learning	H. S. Kavitha, S. Mallikarjun aswamy and N. Sharmila	Journal of "Information Dynamics and Applications	https://doi.org/10.56578/ida030301			
15	An Efficient Load-Balancing In Machine Learning-Based Dc-Dc Conversion Using Renewable Energy Resources	H. S. Kavitha, S. Mallikarjun aswamy and N. Sharmila	IAES International Journal of Artificial Intelligence (IJ-AI)	http://doi.org/10.11591/ijai.v14.i1.pp307-316	Q3		

6. Grants/Funding Received

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

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

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	Microsoft Antennas	SVCE, Bangalore	12 th Jan 2009
2	IEC 61850 Communication Networks and Systems	CPRI, Bangalore	25 th -28 th April 2006

3	Smart Power flow controller for smart grid appliances	Visvesvaraya Industrial and Technological Museum, Bangalore	19 th Dec 2014
4	Trends in industrial power electronics and controls	KLE Dr. M S Sheshagiri college of Engineering, Belagavi	29 th to 30 th Jan 2015
5	Recent Trends and Technological advances in renewable energy resources for future energy security in India	Reva University	27 th to 29 th Jan 2016
6	Integration of Green Energy with smart grid opportunities and challenges	BNMIT	11 th to 16 th july 2016

6.a. Workshops / Conference organized

Sl. No.	Name of the workshop / Conference	Organised by	Date	Role
1	PLC training	Bosch Rexroth	13 th -15 th July 2015	Co-ordinator
2	PLC training	Bosch Rexroth	13 th ,14 th , 17 th Aug 2015	Co-ordinator
3	IOT workshop	Innovians Technologies	17 th -18 th Sep 2016	Co-ordinator

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)

6.d. PROJECT / Innovations/Patents

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

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
1	The Joy of Computing using Python	NPTEL	July-Oct 2019	83% Elite+Silver
2	Machine Learning using Python	Course era	July-Aug 2020	100%