

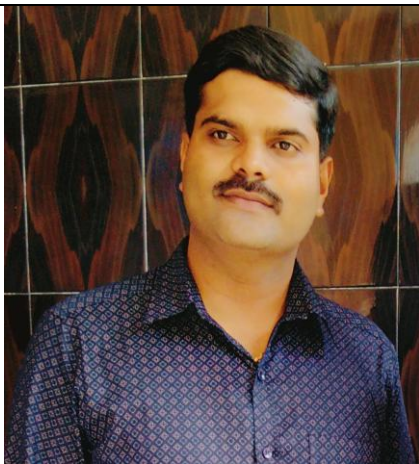


JSS Mahavidyapeetha
JSS Academy of Technical Education, Bengaluru
Department of Electronics & Communication Engineering



FACULTY PROFILE

1. Personal Details

NAME	Mr. BASAVARAJU N M	
DEPARTMENT	ELECTRONICS AND COMMUNICATION ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	9980273850	
EMAIL ID	basavarajunm@jssateb.ac.in	
TEACHING EXPERIENCE	10	
INDUSTRY EXPERIENCE	NIL	
RESEARCH EXPERIENCE	02	

2. Qualification

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
PhD	IOT AND EMBEDDED SYSTEM (Perusing)	JSSSTU,MYSURU	JSSSTU,MYSURU
M.TECH	VLSI DESIGN AND EMBEDDED SYSTEMS	SJCE,MYSURU	VTU,BELGAVI
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	KIT,TIPTUR	VTU,BELGAVI
DIPLOMA	ELECTRONICS AND COMMUNICATION ENGINEERING	GPT,CHAMARAJANAGARA	DTE,BANGLORE
SSLC	STATE BOARD	GHS, NANJEDEVANAPURA	KSEEB

3. Membership of Professional Bodies:

1. Example : Nil

4. Awards

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization
Best paper award	23-24-November 2024	BGSIT- International Conference on Recent Advances in Science & Engineering Technology (ICRASET-2023)

5. Publications(Journal/Conferences)

Sl no	Title of the paper	Name(s) or author(s)	Name of the journal	Volume No. Issue No. Year	WOS/Scopus	Impact factor	publisher
1.	An Assessment of Land Use Land Cover Using Machine Learning Technique	G. S. Pavithra and S. Mallikarjunaswamy V. Pushpalatha, H. N. Mahendra, A. M. Prasad, N. Sharmila, D. Mahesh Kumar, N. M. Basavaraju	Nature Environment and pollution Technology	Volume-23 Issue-4	Scopus	Q3	Nature Environment and pollution Technology
2.	Design and Implementation of Crop Yield Prediction and Fertilizer Utilization Using IoT and Machine Learning in Smart Agriculture Systems	NM Basavaraju, UB Mahadevaswamy, S Mallikarjunaswamy	2024 Second International Conference on Networks, Multimedia and Information Technology (NMITCON)	2024	Scopus		IEEE
3.	Optimized Crop Prediction and Monitoring Using Ensemble Machine Learning Algorithms	HS Kavitha, SM Usha, SN Sheela, H Anu, N Sharmila, S Mallikarjunaswamy, NM Basavaraju, P Ravi, GS Pavithra	2024 Second International Conference on Networks, Multimedia and Information Technology (NMITCON)	2024	Scopus		IEEE
4.	An Efficient and Intelligent IoT-Based Security Model for Enhanced Protection Using Motion Detection and Cloud Storage Optimization	HB Gangadharaswamy, Narendra Kumar, N Sharmila, M Shilpa, S Mallikarjunaswamy, R Shivaji, NM Basavaraju, P Balachandra, M Komala	2024 Second International Conference on Networks, Multimedia and Information Technology (NMITCON)	2024	Scopus		IEEE
5.	An efficient vehicle to vehicle communication system using intelligent transportation system	S Sheela, KB Naveen, NM Basavaraju, D Mahesh Kumar, Modugu Krishnaiah, S Mallikarjunaswamy	2023 International Conference on Recent Advances in Science and Engineering Technology (ICRASET)	2023	Scopus		IEEE

6.	Deep learning models for inventory of agriculture crops and yield production using satellite images	HN Mahendra, S Mallikarjunaswamy, NM Basavaraju, Pratheek M Poojary, Pavankumar S Gowda, M Mukunda, B Navya, V Pushpalatha	IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	2022	Scopus		IEEE
7.	An efficient big data gathering in wireless sensor network using reconfigurable node distribution algorithm	S Mallikarjunaswamy, NM Basavaraju, N Sharmila, HN Mahendra, S Pooja, BL Deepak	2022 Fourth International Conference on Cognitive Computing and Information Processing (CCIP)	2022	Scopus		IEEE
8.	An Adaptive Thresholding Approach based on Improved Harris Corner Detection for Estimation of Built up Region from Remote Sensing Images	Basavaraju N M , Shreekanth T and Vedavathi L	Intelligent communication Technologies and Virtual Mobile Networks, Lecture Notes on Data Engineering and Communication Technologies	Vol.33, pp.477-486, 2019.	Springer ISBN 978.3-030-28363-6		Intelligent communication Technologies and Virtual Mobile Networks, Lecture Notes on Data Engineering and Communication Technologies (Book chapter publications)
9.	Image Reconstruction Algorithm Based on Patch Dictionary Method for CT and MRI Images",	Basavaraju N M and Shreekanth T	Journal of Research in Science, Engineering, Technology and Management	Vol.3, Issue 4, pp.5-13, 2017	N	1.65	
10.	Performance Evaluation of Edge detection techniques in Spatial and Frequency domain	Shreekanth T, Basavaraju N M	International Journal of Multimedia and Image Processing	Issue 1, Vol.7. March 2017	N	5.48	

6. a. Grants/Funding Received

Grant Amount	Project Name	Date of receiving the Grant	Grant issuing authority/ Body / Organization
7.5 Lakh	Innovation for Entrepreneurship Training program for the year 2024-25	13-11-2024	DST
03 Lakh	International Conference On Agrivoltaic Innovations Focusing On Smart Farming With Renewable Energy Machine Learning And Embedded Technologies	29-12-2024	AICTE

6. b. Others: Workshops / Conference (Organized/Attended)

1.	Participated Two days capacity Building program JSSATE Bangaluru from 15 th and 16 th January 2025.
2.	Participated 4 week workshop on “IOT-Embedded system and AI” organized by the DST, JSSATEB STEP Bangalore from 04-03-2024 to 29-04-2024.
3.	Participated 3 week FDP on opportunities and challenges in entrepreneurship JSSATEB STEP Bangalore from 03-01-2024 to 19-01-2024.
4.	Participated one week online FDP on Imparting online-teaching learning methodologies organized by E&ICT Academy IIT Guwahati from 21 st to 27 th march 2022.
5.	Participated one week FDP on Revolution and advances in E-vehicles from 30/08/2021 to 03/09/2021 at Government polytechnic Harapanahalli, organized by ATAL academy
6.	Participated Two week online FDP on “Multimedia and Drawing” organized by Department of Computer Science, Government First Grade College, Harihara in association with spoken tutorial IIT Bombay (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India) under the scheme of PMMMNMTT from 03-16 June, 2020.
7.	Participated One Week Online National Level FDP on “Recent Trends & Innovations in Digital Forensic” Organized by the Department of Computer Engineering, AISSMS Institute of Information Technology, Pune-01, in Association with ACM Student Chapter & IEEE Pune Section from 25-30 May-2020.
8.	Participated one week short term training programme on "Laboratory Safety Management" organized by NITTR, Kolkata, from 19/02/2018 to 23/02/2018 held at JSSPW, Mysore.
9.	Participated Two-weeks AICTE sponsored FDP on "Advances in image processing and computer vision applications using python and open CV" at Kalpatharu institute of technology Tiptur. From 11/12/2017 to 23/12/2017 organized by Department of Electronics and Communication.
10.	Participated one week short term training programme on "Design and implementation of Outcome based Curriculum" organized by NITTR, Kolkata, from 20/03/2017 to 24/03/2017 held at JSSPW, Mysore.
11.	Participated one week VTU-VGST Sponsored FDP on "Recent Advances in Medical Imaging Techniques" organized by organized by Department of Electronics and Communication. From 26/03/2012 to 30/03/2012 held at GSSSIT, Mysore.

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

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

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6. e. PROJECT / Innovations/Patents

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