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

FACULTY PROFILE

1. **Personal Details**

NAME	Dr Mallikarjunaswamy S
DEPARTMENT	Electronics and Communication Engg
DESIGNATION	Associate Professor
PHONE	+91-9036337480
EMAIL ID	mallikarjunaswamys@jssateb.ac.in ,
TEACHING EXPERIENCE	**10.6**
INDUSTRY EXPERIENCE	**NIL**
RESEARCH EXPERIENCE	**9.6**

2. **Qualification**

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
ATS or any other certification	**Example : 2 years ATS**		
BE	**Telecommunication Engg**	**Coorg Institution of Technology, Kodagu.**	**Visvesvaraya Technological University (VTU)**
M.Tech.	**VLSI Design and Embedded System**	**SJB Institute of Technology, Bangalore**	**Visvesvaraya Technological University (VTU)**
Ph.D.	**VLSI Design and Embedded System**	**Jain University, Bangalore**	**Jain University**

3. **Membership of Professional Bodies:**
   1. **International Association of Engineers (Associate Member Life Time)**
   2. **Institute of Engineering India (Associate Member Life Time)**

4. Awards

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization
"EXCELLENCE IN ACADEMICS"	**10 April 2019**	**Veerashaiva Sawaja Seva Samiti, T.Narasipura .**

4. 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 comprehensive review of parallel concatenation of LDPC code techniques	S Chaitra, V Rekha2, S Mallikarjunaswamy	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY,	Volume No: 14 Issue No:05 Year: 2021	WoS	0.600	Indian Society for Education and Environment (iSee)
2.	Conventional and Subspace Algorithms for Mobile Source Detection and Radiation Formation	Sadiya Thazeen, Mallikarjunaswamy S	Traitement du Signal	Volume No: 38 Issue No:01 Year: 2021	Wos and Scopus	1.541	International Information and Engineering Technology
3.	Design of Fuzzy Logic Controlled Hybrid Model for the Control of Voltage and Frequency in Microgrid	A Madhu, M Komala, V Rekha , S Mallikarjunaswamy*	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY,	Volume No: 13 Issue No:35 Year: 2020	WoS	0.600	Indian Society for Education and Environment (iSee)
4.	Interference resilient stochastic prediction based dynamic resource allocation model for cognitive MANETs	K Shashi Raj1*, G K Siddesh2, S Mallikarjunaswamy2	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY,	Volume No: 13 Issue No:29 Year: 2020	WoS	0.600	Indian Society for Education and Environment (iSee)
5.	Design of High Speed Reconfigurable Distributed Life Time Efficient Routing Algorithm in Wireless Sensor Network	M. L. Umashankar, S. Mallikarjunaswamy2, and M. V. Ramakrishna3	Journal of Computational and Theoretical Nanoscience,	Volume No: 07 Issue No:02 Year: 2020	Scopus	0.220	American Scientific Publishers
6.	A Comprehensive Review of Blind Deconvolution Techniques for Image Deblurring	Pooja S, Mallikarjunaswamy S	Traitement du Signal	Volume No: 37 Issue No:03 Year: 2020	Wos and Scopus	1.541	International Information and Engineering Technology

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
7.	Design and implementation of reconfigurable DCT based adaptive PST techniques in OFDM communication system using interleaver encoder	R Shivaji, K R Nataraj, S Mallikarjunaswamy	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY,	Volume No: 13 Issue No:41 Year: 2020	WoS	0.600	Indian Society for Education and Environment (iSee)
8.	Hybrid Predictive Reconfigurable Multi-Path Routing Algorithm to Enhance the Network Robustness and Lifetime Optimization in Wireless Sensor Networks	Umashankar M.L, Anitha T.N, Mallikarjunaswamy S	International Journal of Grid and Distributed Computing	Volume No: 13 Issue No:01 Year: 2020	WoS	0.310	Science & Engineering Research Support soCiety
9.	Evolution of real-time onboard processing and classification of remotely sensed data	H N Mahendra, S Mallikarjunaswamy, G K Siddesh,	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	Volume No: 13 Issue No:20 Year: 2020	WoS	0.600	Indian Society for Education and Environment (iSee)
10.	Implementation of an effective hybrid model for islanded microgrid energy management	S Mallikarjunaswamy∗, N Sharmila, D Mahesh Kumar,	INDIAN JOURNAL OF SCIENCE AND TECHNOLOGY	Volume No: 13 Issue No:27 Year: 2020	WoS	0.600	Indian Society for Education and Environment (iSee)
11.	Performance analysis of different classifier for remote sensing application	Mahendra H N, Mallikarjunaswamy S, Rekha V	International Journal of Engineering and Advanced Technology	Volume No: 09. Issue No:01 Year: 2019	**Scopus**	**1.00**	Blue Eyes Intelligence Engineering & Sciences Publication
12.	Design of High Speed Reconfigurable Coprocessor for Next Generation scrambler and de-scrambler system	Mallikarjunaswamy S, Dr.Nataraj K.R and Dr.RekhaK.R	Communication and Power Engineer in	Volume No: 09. Issue No:03 Year: 2013	**Scopus**	**0.56**	Elsevier

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.	Design of High-Speed Reconfigurable Deployment Intelligent Genetic Algorithm in Maximum Coverage Wireless Sensor Network	Umashankar ML, Ramakrishna MV, Mallikarjunaswamy, S	International Conference on Data Science and Communication, IconDSC 2019	Volume No:06 Issue No: 02 Year:2019	Scopus		IEEE
2.	Real Time Speed Control of a DC Motor by Temperature Variation Using LabVIEW and Arduino	Asha, K. R.;Suhada Tasleem, P.;Ravi Kumar, A. V.;Mallikarjuna Swamy, S	international Conference on Recent Advances in Electronics and Communication Technology (ICRAECT)	Volume No: Issue No: Year:2017	Scopus		IEEE
3.	Design of high-speed reconfigurable coprocessor for next-generation communication platform	S. Mallikarjunaswamy S, K. R. NatarajK. R. Rekha	Lecture Notes in Electrical Engineering	Volume No:12 Issue No: 02 Year:2014	Scopus		Springer

6. Grants/Funding Received

Grant Amount	Project Name	Date of receiving the Grant	Grant issuing authority/ Body / Organization
30,00,000	Establishment of Renewable Smart Grid Laboratory	18th Sep 2020	Vision Group on Science and Technology, Karnataka Fund for Infrastructure Strengthening in Science and Technology (K-FIST L2)
1,50,000	A Novel Efficient Cluster Algorithm Against Fault Data Injection Attack in smart Grid using IoT	18th Dec 2019	Competitive Research Grant VTU TEQIP Cell
11,10,000	Training programmes (EAC, FDP, TEDP, EDP, WEDP)	2nd July 2019	Department of Science and Technology
49, 34,000	CAN Centre for Automotive Industries	1st Aug 2018	Karnataka Council for Technological Upgradation
09,60,000	Training programmes (EAC, FDP, TEDP, EDP, WEDP)	11th July 2018	Department of Science and Technology
40,000	Training programmes (EAC, FDP, TEDP, EDP, WEDP)	10th July 2017	Department of Science and Technology

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

Sl. No.	Name of the workshop / Conference	Organiser	Date
1.	Technology Based Entrepreneurship Development Programme	EDII	**17/02/2016**
2.	Entrepreneurship Development Programme	EDII	**18/03/2017**
3.	Entrepreneurship Awareness Camp	EDII	**24/05/2016**
4.	Faculty Development Programme	EDII	**17th to 28th Feb 2019**
5.	Faculty Development Programme	EDII	**28th Dec 2017 to 03rd January 2018**
6.	Recent Advances on Renewable Energy, (RARE-2020)	NITK, SURATHKAL	**7th to 9th Feb 2020.**
7.	International Conference on Recent Innovative Trends in Computer Science and Applications (ICRITCSA-2019)	Ramaiah Institute of Technology, Bengaluru, India	**25th – 26th Oct 2019**
8.	MANTHAN-2020 (Total Cash Prize of Rs. 3 Lakhs, Sponsored by GoK)	(Federation of Karnataka Chambers of Commerce and Industry, Govt of Karnataka)	**10th, 15th, 19th and 22nd February 2020.**
9.	Usage of Technology in Covid-19. (FDP)	Terna Engineering College	**28th May to 2nd June 2020.**
10.	Present Control Systems in Industry and Research Perspective (FDP)	Sri Venkateswara College of Engineering & Technology	**21st June to 23rd June 2020.**
11.	Session Chair	International Conference (ICCSTAR-2016)	CITY ENGG COLLEGE
12.	Recent Trends & Development in Processor	GUEST LECTURE	CITY ENGG COLLEGE
13.	IoT Application in Agriculture	WORKSHOP	DBIT

6.a. Workshops / Conference organized

SI.NO	PROGRAMME TYPE	TITTLE/TOPIC	FUNDED	DATE & DURATION
1.	TEDP	Technology Based Entrepreneurship Development Programme	DST & NSTEDB	2018-19 & 6 WEEKS
2.	FDP	Entrepreneurship Development Programme	DST & NSTEDB	2018-19 & 3 WEEKS
3.	FDP	Entrepreneurship Development Programme	DST & NSTEDB	2018-19 & 3 WEEKS
4.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
5.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
6.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
7.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
8.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
9.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
10.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
11.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
12.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
13.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
14.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
15.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
16.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018-19 & 3 DAYS
17.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2018 & 3 DAYS
18.	National Conference	Recent Trends in Electronics and Communication Engineering	SJBIT	2018 & 3 DAYS
19.	Dept Fest	Ecoraha 2.0	SJBIT	2018 & 1 Days
20.	EAC	Entrepreneurship Awareness Camp	DST & NSTEDB	2017 & 3 DAYS

SI.NO	PROGRAMME TYPE	TITTLE/TOPIC	FUNDED	YEAR & DURATION
21.	International Conference	Recent Advances in Electronics and Communication Technology	SJBIT & IEEE	2017 & 3 DAYS
22.	FDP	Entrepreneurship Development Programme	SJBIT & EDII	2017-18 & 6 DAYS
23.	Workshop	Machine Learning with Python and R-Tool	SJBIT	2017 & 3 DAYS
24.	Dept Fest	Ecoraha	SJBIT	2017 & 1 Days
25.	ALL INDIA SEMINAR	Emerging Technology Internet of Things (IOT)	IEI	2016 & 2 TWO
26.	National conference	Recent trends in Electronics and Communication engineering	SJBIT	2017 & 3 Days
27.	FDP	IoT For Emerging Engineering Applications	SJBIT	2017 & 6 DAYS
28.	Workshop	Programming in Python	SJBIT	2016 & 3 Days
29.	Workshop	Automatic Generation Control and Grid integration of Renewable energy sources	SJBIT	2016 & 3 Days
30.	Workshop	Communication Mechanics for Technical Staffs	SJBIT	2016 & 3 Days
31.	Workshop	Mat Lab for Engineers''	SJBIT	2015 & 3 Days
32.	FDP	Industrial Automation & Drives	SJBIT	2015 & 6 Days
33.	Workshop	PLC Automation	SJBIT	2015 & 3 Days
34.	Workshop	Sensors, Systems for ICT Enabled Agriculture''	SJBIT	2015 & 3 Days

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

SI.NO	PROGRAMME TYPE	TITTLE/TOPIC	FUNDED	DATE & DURATION
1.	AICTE Training And Learning (ATAL) Academy	Artificial Intelligence	ACITE	4/1/2021 to 8/1/2021
2.	AICTE Training And Learning (ATAL) Academy	Data Sciences	ACITE	19/1/2021 to 23/1/2021

Sl. No.	Name of the workshop / Conference	Organiser	Date
1.	Recent Advances on Renewable Energy (RARE-2020)	TEQIP	7th to 9th Feb 2020.
2.	MANTHAN-2020 (Total Cash Prize of Rs. 3 Lakhs, Sponsored by GoK)	Federation of Karnataka Chambers of Commerce and Industry, Govt of Karnataka)	10th ,15th , 19th and 22nd June 2020
3.	Recent Trends in Developments of Thermo-fluids and Renewable Energy (TFRE-2020)	TEQIP, National Institute of Technology Arunachal Pradesh	26th Nov 2020

6.c. Patents

SI.NO	Title	Application No	Date of publication
1.	METHOD FOR DIAGNOSE AND MANAGEMENT OF FAULTS IN SMART CITY CLEANLINESS ADMINISTRATION USING SELF-ADAPTIVE MACHINE LEARNING	202141010921 A	19/03/2021

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