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

FACULTY PROFILE

1. Personal Details

NAME	Dr. P. M. SHIVAKUMARA SWAMY	
DEPARTMENT	**Electronics and Communication Engineering**	
DESIGNATION	**Professor**	
PHONE	**+91 9448768635**	
EMAIL ID	**pmshivakumaraswamy@jssateb.ac.in**	
TEACHING EXPERIENCE	**33 years**	
INDUSTRY EXPERIENCE	**-**	
RESEARCH EXPERIENCE	**5 years**	

2. Qualification

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
PhD	Image Processing	CEG Campus, Chennai	Anna University
M.E	**Digital electronics**	**BVBCE, Hubli**	**Karnataka University**
BE	**Elecctronics and Communication Engineering**	**GBDTCE, Davangere**	**Mysore University**
PUC	**PCMB**	**DRM Science College, Davanger**	
SSLC		**GMVH, Davangere**	

3. Membership of Professional Bodies:

1. **Life Membership in Indian Society for Technical Education (MISTE)**
2. Life Membership IETE(MIETE)
3. IEEE Member 2024-25 (100626385)

4. Awards

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization
Best paper award	**2012**	**NCATE, GAT**
Best project 2 nd prize	**2018**	**JSSATE, Bengaluru**
Project Paper presentation - 3 rd prize-	**2019**	**IETE Mysuru**

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.	**Enhancement of SAR images using curvelet with controlled shrinking technique**	**P M Shivakumaraswamy, K Vani,**	**Remote Sensing Letters**	**7 (1), 21-30, 2016**	WOS	1.4	Taylor & Francis Online
2.	**A novel thresholding technique in the curvelet domain for improved speckle removal in SAR images**	**P M Shivakumaraswamy, K Vani,**	**Optik**	**127 (2), 634-637,2016**	WOS & Scopus	2.187	Elsevier
3.	**Enhancement of SAR images using fuzzy shrinkage technique in curvelet domain**	**P M Shivakumaraswamy, K Vani,**	**Sādhanā**	**42 (9), 1505-1512,2017**	WOS & Scopus	1.6	Springer
4.	**Enhancement of Gaussian Noise Affected Images Using Modified Threshold Function in Curvelet Domain**	**P M Shivakumaraswamy, K Vani,**	**Advances in Natural and Applied Sciences**	**9 (6), 513-517,2015**	-		
5.	**SAR image Enhancement Using Improved Soft Threshold Function in Curvelet Domain**	**P M Shivakumaraswamy, K Vani, International**	**Journal of Applied Engineering Research**	**10 (9), 6755-6758, 2015**	-		
6	**Enhancement of SAR ImagesUsing Modified Threshold Technique with Edge Preservation in Curvelet Domain**	**P M Shivakumaraswamy, K Vani,**	**International Journal of Applied Engineering Research**	**10 (79), 859-863,2015**	-		

7	**Deviation Controlled Soft Thresholding Technique in Curvelet Domain to Supress Speckle Noise in SAR Images**	**P M Shivakumara swamy, K Vani,**	**JARDCS**	**11 (02-Special),2019**	Scopus		
8	**viii) Non – Invasive Haemoglobin Measurement ",**	**P.M. Shivakumaraswa my, S.T. Veerabhadrappa, Priyanka D, Srinidhi S K, Sonia K, Anika Anjani Gowda,**	**International Journal of Recent Technology and Engineering ,**	**Volume 9 Issue 02,Pages 729-733, July 2020**			
9	**Image Forgery Detection using Dyadic Framelets,**	**HR Shashidhara, PM Shivakumaraswa my, Uma B S, SR Bangari,**	**International Journal of Information Technology and Computer Engineering (IJITCE),**	**Volume 8, Issue NCRASET-16, Pages 20-24**			
10	**Implementati on of Image Forgery Detection using Lifting Scheme based Dyadic Framelets,**	**Uma B S, HR. Shashidhara, P M Shivakumara Swamy,**	**International Journal of Innovative Research in Science and Engineering**	**Volume 2, Issue 6, 2016, Pages 78-87**			
11	**Prototype Development of Continuous Remote Monitoring of ICU Patients at Home**	**Veerabhadrappa S. Thippeswamy* , Puranik M. Shivakumaraswa my , Suguna G ...**	**Instrumentation Mesure Metrologie**	**20 (2), 79–84,** 2021	Scopus	1.7	(IIETA)
12	**Classification of Arrhythmia Using Machine Learning Algorithm**	**Suguna G. Chickaramanna , Sondekere Thippeswamy Veerabhadrappa , Puranik Math Shivakumaraswa my, Seenapahalli Nanjundaiah Sheela, , Shivapura Krishna Keerthana , Umesh Likith , Likith Swaroop , Vasudevarao Meghana**	**Revue d'Intelligence Artificielle**	**Vol. 36, No. 4, August, 2022, pp. 529-534**	Scopus		IIETA

13	**Denoising and analysis of synthetic aperture radar images using improved weight threshold technique in curvelet transform frequency domain,**	**Katageri, G.S., Swamy, P.M.S.,**	**Multimedia Tools and ApplicationsThis., 2024**	https://doi.org/10.1007/s11042-024-19304-7, 2024	Scopus	2.3	Spriger

Conferences:

Sl. No.	Title of the paper	Name(s) of Author(s)	Conference Name	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	**Embedded Real-Time acquisition and Control System for Functional Validation of Automotive Spring Evaluation System,**	**Nikitha H R,P M Shivakumara swamy,**	**ICSIPCA**	**2017 Proceedings, Page No. 586-591**			
2	**Human Voice Sample Separation Using Independent Component Analysis,**	**Sweekar Sudhakara, Syed Raehan Ahmed, B.M. Veerendra Sagar, P.M. Shivakumara Swamy,**	**International Conference for Convergence in Technology,**	**27th and 28th October-2018**	Scopus		IEEE Xplore
3	**Identification of Disease causing Protein cell using Efficient Segmentation,**	**Sweekar Sudhakara, Syed Raehan Ahmed, P.M. Shivakumara Swamy,**	**International Conference on Innovations in Engineering, Technology and Sciences (ICIETS),**	**20th and 21st September-2018**			
4	**Denoising of Synthetic Aperture Radar Images Using Dual Tree Curved Wavelet Transform with Modified Cellular Neural Networks,**	**Katageri, G.S., Shivakumara Swamy, P.M.,**	**Lecture Notes in Electrical Engineering,**	**2024, 1104 LNEE, pp. 173–194**	Scopus		Springer
5	**A Novel Model of SAR Image Edge Enhancement and Despeckling**	**Katageri, G.S. ,Swamy, P.M.S.,**	**International Conference on Forensics, Analytics, Big Data, Security,**	**FABS 2021,**	Scopus		IEEE Xplore

6	**Optimal Renewable Energy Wireless Power Management System for Electric Vehicles Using Predictive Analytics**	**Narendra Kumar, P M Shivakumarswamy, N Nikhil, Nagaraj Moger, M.Vijay Raghav, B M Kavya, N Yuvaraj, H N Mahendra, S Mallikarjunaswamy**	**Second International Conference on Networks, Multimedia and Information Technology**	**NMITCON- 9-10 Aug.,2024**	Scopus		IEEE Xplore

6. Grants/Funding Received

Grant Amount	**Project Name**	Date of receiving the Grant	Grant issuing authority/ Body / Organization
5000	**AN OPTIMAL RENEWABLE ENERGY WIRELESS POWER MANAGEMENT SYSTEM FOR ELECTRIC VEHICLES**	**2023-24**	**KSCST**
5000	**DOL-SKINDI (DETECTION OF LUMPY SKIN DISEASE)**	**2022-23**	**KSCST**

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

6.a. Workshops / Conference organized

1	VLSI-Standard Cell Design,1st July2020

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

Industry 4.0, From 09-11-2020 to 14-11-2020, ACSCE, Bengaluru
INTERNET OF THINGS FOR SUSTAINABLE DEVELOPMENT at S. S. E. T'S S. G. BALEKUNDRI INSTITUTE OF TECHNOLOGY from 10/12/2024 to 16/12/2024.

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