FACULTY PROFILE

Name of the faculty	PADMAVATHI C
Designation	Assistant Professor
Contact Number	8217416936
Email ID	padmavathic@sapthagiri.edu.in

Educational Qualification

Degree	Specialization	University	Year of Passing
M.E	Applied Electronics	ANNA UNIVERSITY	2012
B.E	ECE	V T U	2009

Work Experience

Teaching	Research	Industry
8	3	0

Publications

National/International Journals	National/International Conferences	Books Authored/Edited
6	5	nil

Area of Interest

Biomedical Signal Processing	
Image Processesing	

Membership in Professional Bodies/University Bodies/Organization

NIL

Publications National/International Journals

- Padmavathi C and Veenadevi S V, "Heart Disease Recognition from ECG Signal Using Deep Learning", International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 5, (2020), pp. 2303 - 2316. ISSN: 2005-4238
- Padmavathi C and Veenadevi S V, "An Optimized FPGA Based System Design for the Arrhythmia Detection using ECG", 'International Journal of Innovative Technology and Exploring Engineering (IJITEE)', ISSN: 2278–3075 (Online), Volume-9 Issue-1, November 2019, Page No. 2808-2818.
- Padmavathi C and Veenadevi S V, "An Automated Detection of CAD Using the Method of Signal Decomposition and Non Linear Entropy Using Heart Signals", I.J. Image, Graphics and Signal Processing, 2019, 2, 30-39 Published Online February 2019 in MECS (http://www.mecs-press.org/), DOI: 10.5815/ijigsp.2019.02.04
- Padmavathi C, "Miniaturization of patch antenna using Novel Fractal Geometry'', IJECET,2016, Volume 7, Issue1, pp.63-74
- Prajna K B and Padmavathi C, "Re- configurable filtering using FFT/IFFT for PLI and High Frequency Artifacts removal in Real time ECG Signal'', IJSER, 2015, Volume 6 Issue 9, (ISSN 2229-5518)
- Padmavathi C and Indumathi K, "Implementation of Snake Algorithm for Segmentation and bias correction of images with Intensity in homogeneity with application to MRI", IJEDR, 2014, Volume 2 Issue 1.
- "Automated Detection of Defects and Grading of Cashew kernels using Machine Learning", is accepted for publication in Springer Journal of Signal Processing Systems.

Publications

National /International Conferences

- "Extraction of Fetal Electrocardiogram from Abdominal Electrocardiogram and Classification of Normal and Abnormal Signals'', 2nd international IEEE conference ICSIP(Impact factor 2.816), 2017, pp.396-401
- "Region Based Method for Bias correction of Images with Intensity inhomogeneity in MRI'', in National Conference at Varuvan Vadivelan Institute of Technology & Reseach Center, Tamilnadu
- "Implementation of sobel operator (5*5 and 7*7) convolutional Mask for Edge detection with Application to Navigation'', in National Conference at Jayalakshmi Institute of Technology & Engineering Research, Tamilnadu
- "A Novel Approach to Segmentationand Bias Correction of Images in MRI'', in National Conference at Kalol Institute of Technology & Research Center, Kalol
- Presented a paper entitled "License Plate Recognition system'', in National level technical symposium, at SAL Institute of Technology and Engineering Research, Ahmadabad

Faculty Development Programme Participated

- Five day National level Faculty development program on " PCB Design" organized by dept. of ECE, VVIET, Mysuru in association with Siena ECAD Technologies and ESSCI from 29th June 2020 to 03 July 2020.
- Three day Faculty development program on " Recent trends in Wireless Communication Technologies" organized by dept. of ECE, BIT, Bengaluru in association with IMAPS, India from 03 August 2020 to 05 August 2020.
- Five day National level Faculty development program on " Deep learning Techniques and Applications" organized by dept. of ECE, Global Academy of Technology, Bengaluru, from 03 August 2020 to 07 August 2020.
- Six day National level Faculty development program on " Optimization Techniques in Machine Learning", organized by dept. of ECE, SJB Institute of Technology, Bengaluru, from 10 August 2020 to 15 August 2020.
- Faculty development program on "Machine learning and tools" held on 30th and 31st January 2019 at Sapthagiri college of engineering, Bangalore.
- Three day Faculty development program on " Digital Signal Processing, Image Processing and Pattern Recognition using Sci Lab, at PES University, Bangalore, September 2016
- One day Faculty development program on "The art of creative teaching'', at Alliance University, Bangalore, August 2016

Workshop Attended

- Three day Workshop on " LATEX", at AMC Engineering College, Bengaluru, held from 29 June 2020 to 1July 2020

- One day symposium "IEEE WIE'', at Amrita school of Engineering, Bangalore, November 2015

- Two day national level workshop sponsored under ISTE on "Security issues in Wireless networks and hands-on training using OPNET'' at Sri Ramakrishna Engineering College, Coimbatore, october 2015
- One workshop on " NPTEL awareness program'', jointly organized by IIT madras at Alliance University, Bangalore, September 2015
- One day workshop SALCON on "Emerging Trends in wireless Communication", at SAL Institute of Technology and Engineering Research, Ahmadabad
- One day workshop on "Advance Microwave and Antenna devices", by FALCON India, Ahmadabad

Awards/Recognition/Achievement/Others