ANNAMACHARYA UNIVERSITY

About Profile

NAME: **Dr. K. SHANKAR**

DATE OF BIRTH: **25-07-1987**

DESIGNATION: **Associate Professor**

DEPARTMENT: **E.C.E.**

EMAIL ID: **shan87.maddy@gmail.com**

DATE OF JOINING: **20-06-2019**

EMPLOYEE ID: **AITS041049**

Academic Profile

Qualification	Name of the Board/University	YEAR
Ph.D.	Annamalai University (Tamil Nadu Government University)	2019
M.Tech.	PRIST University, Thanjavur	2010
B.Tech.	Anna University	2008
+2	State Board	2004
10th	Matriculation	2002

Research Details

1. Areas of Specialization: Image Processing
                                        Communication Systems
2. List of Publications: 26
3. Awards Received : 03
4. Research Guidance:
    A) No. of PhD Guided: 02 (Ongoing)
    B) No. of M.Tech Guided: 05
    C) No. of B.Tech Guided: 30

5. Details of Professional Membership:
    ISTE Life Member : LM 82321
6. Subjects Taught: EDC, Analog Communication,
                                        Digital Communication, EMI, Radar
                                        Engineering, MPI, WCN, DIP

Publication Details

Title	Publisher	Published Year
Analysis of Cluster based zone routing protocol in MANET through Network Simulator	International Journal of Engineering and Advanced Technology	2013
Implementation of Saliency Detection in Motion Fields	International Journal of Scientific & Engineering Research	2015
Unsupervised Segmentation of Natural Images Based on Contour	World Applied Sciences Journal	2016
Natural Image Denoising and Enhancement Based On Iterative Bilateral Filter	Journal of Chemical and Pharmaceutical Sciences	2017
Natural Image Enhancement and Segmentation using Contrast Reduced Dynamically Modified Histogram Equalization (CRDHE)	International Journal of Exploring Emerging Trends in Engineering	2017
Discovering Anomalies Based on Saliency Detection and Segmentation in Surveillance System	International Journal of Trend in Scientific Research and Development	2017
Edge Detection Techniques in Processing Digital Images: Investigation of Canny Algorithm	International Journal of Scientific Engineering and Science	2017

Unsupervised Segmentation for Better FR within Human Machine Interfaces	International Journal of Latest Engineering Research and Applications	2018
Segment Extraction For Path Identification From Satellite Images By Various Algorithms	International Journal of Creative Research Thoughts	2018
Segmenting Of Images For Superior Feature Extraction Through Level Set Method	International Journal of Recent Scientific Research	2018
Collective Electro Encephalo Graph Signals By Means Of Wavelet Transforms	Journal of Emerging Technologies and Innovative Research	2019
SATELLITE IMAGE ENHANCEMENT USING DT-CWT-ABFRE-TECHNIQUE	The International journal of analytical and experimental modal analysis	2020
RFID BASED INTELLIGENT BOOKS SHELVING SYSTEM	The International journal of analytical and experimental modal analysis	2020
Scheduling and resources allocation in network traffic using multiobjective, multiuser joint traffic engineering	Wireless Networks	2020
Performance investigation of spectral-efficient high-speed Inter-satellite optical wireless communication link incorporating polarization division multiplexing	Optical and Quantum Electronics	2021
Design Of Dual Band Cpw Fed Line Microstrip Patch Antenna For Gps And Wlan Applications	Journal of Interdisciplinary Cycle Research	2021
Design Security System Based On Arduino Using Motion Tracking Camera	Journal of Engineering Sciences	2021
Hierachical Approximation Unit In High Radix Booth Squarer For Error Tolerant Applications	International Journal Of Analytical And Experimental Modal Analysis	2022
Design Of Dual Band CPW Fed Line Microstrip Patch Antenna For Gps And Wlan Applications	Journal Of Interdisciplinary Cycle Research	2022
Coordination Of Mobile Sensor For Target Tracking By Using Kalman Filter	IJFANS International Journal of Food and Nutritional Sciences	2022

Melanoma Skin Segmentation Process Using PCA and Morphological Methods	Studies in Computational Intelligence	2022
Smart Reflecting Surface Approach for Reconfigurable Wireless Signal Transmission	Lecture Notes in Electrical Engineering	2023
ML Based Intelligent Transport System Through GPS and Traffic Analysis	Lecture Notes in Electrical Engineering	2023
Enhanced Image Dehazing Using Contrast-Based Fusion Techniques	Cognitive Science and Technology	2025
IoT Based Delivery Robot with Theft Detection for Food and Goods Supply	E3S Web of Conferences	2025
An Efficient Soft Descrambling Procedure to Enable Soft-Source-Information-Combining for Wireless Networking	Cognitive Science and Technology	2025

Patent Details

Sno.	Title of Patent	Submitted/Published/Awarded
1	DESIGN AND INVESTIGATION OF LOW POWER MULTI-THRESHOLD CMOS BASED STATIC-RAM CUBICLE FOR MODERN IOT APPLICATIONS	Published
2	COMPUTER – IMPLEMENTED SYSTEM FOR ANALYZING HUMAN BRAIN IMAGES USING FUNCTIONAL IMAGING DATA	Published
3	IOT SYSTEM TO DETECT AND ANALYSE GAIT OF INDIVIDUAL AND METHOD EMPLOYED THEREOF	Published
4	IEMG-POWER BANK: INTELLIGENT ELECTRONICS MODERN GAUGEATE POWERBANK	Published