



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

Basic Information:

NAME : Dr.C.VENKATESH
DESIGNATION : Associate Professor
DEPARTMENT : ECE
DATE OF BIRTH : 26-06-1986
DATE OF JOINING : 18-06-2008
EMAIL ID : venky.cc@gmail.com
cvs@aitsrajampet.ac.in
EMPLOYEE ID : 70



Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph. D.	KL University, Vijayawada	2022
M.Tech	JNTU, Anantapur	2013
B.Tech	JNTU, Hyderabad,	2007

Research Details:

1. Areas of Specialization	:	Digital Image Processing, Bio-Medical Image Processing, Embedded Systems, Internet of Things
2. No. of Publications	:	132 Journals: 58 International Conferences: 43 National Conferences: 25 Books: 06
3. Awards Received	:	02 • Best Paper Award – WARSE Conference at Pune-2016 • Outstanding Contribution Award – Tech Fluent, Hyderabad
4. Research Guidance		
	No. of Ph.D Guided	: 04 (Guiding)
	No. of M.Tech. Guided	: 05
	No. of B.Tech. Guided	: 36
5. Details of Professional Membership	:	1. MISTE (New Delhi, India) - LM 88355 2. AMIE (Kolkata) - AM1504668



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		3. AICTSD - AICTSD/PROFESSOR/00434 4. IFERP - PMIN19025347 5. IACSIT, Singapore - 80341777 6. IAENG, Hong Kong - 113630
6. Subjects Taught	:	Digital Image Processing, Satellite Communications, Cellular & Mobile Communication, Analog Communication, Digital Communication, Communication systems, Radar Engineering, Microwave Engineering, Linear IC applications, Analog Electronic circuits, Electronic Devices and circuits, Electronic circuits and analysis, Pulse and digital circuits, Digital and Data communications, Embedded System Concepts, Embedded Software Design

Publication Details:

Title	Publisher	Published Year
Cardiac Diagnosis System for Heart Diseases Classification Based on Deep Learning and Optimization Strategies Using ECG Signals	IEEE	2025
An AI-Powered Diagnostic Model for Detection of Lung and Liver Cancer	Springer	2025
Development of IoT Multilingual Voice Controlled Home Automation System	Springer	2025
SOBOT: Design And Development of UV Sterilization Ostensible Doctor Robot for Clinical Purposes Based on IoT	IEEE	2024
A Dynamic Deep Learning Model for Detection and Stage Categorization of Diabetic Retinopathy on Retinal Images	IEEE	2024
An Artificial Intelligence Based Deep learning Technique for Recognition of Multiple Brain Tumors on MRI Imager	IEEE	2024
Advances in real time smart monitoring of environmental parameters using IoT and sensor	Elsevier	2024
An automatic diagnostic model for the detection and classification of cardiovascular diseases based on swarm intelligence technique	Elsevier	2024
Design of Wireless Sensor-Based Automation System for Laboratory Using Internet of Things	Springer	2024
Deep Learning and Patch Processing Based Lung Cancer Detection on CT Images	Springer	2024
Design and Development of Leaf Disease Detection Using the ML and Open CV for Tomato Plants	Springer	2024
A Hybrid Model for the Detection and Classification of Cardiovascular Diseases Based on Deep Learning and Optimization Techniques	Springer	2024



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Design of Optimal Waste Management System Using IOT and Machine Learning Technique in Educational Institutions	Springer	2024
A hybrid model for lung cancer prediction using patch processing and deep learning on CT images	Springer	2023
A Neural Network Based Cardiovascular Disease Detection Using ECG Signals	Springer	2023
Detection and Classification of Lung Cancer Using Optimized Two-Channel CNN Technique	Springer	2023
An Efficient Method for Leaf Diseases Detection Using Deep Learning Technique	IEEE	2023
A Neural Network and Optimization Based Lung Cancer Detection System in CT Images	Frontiers	2022
A Dynamic Optimization and Deep Learning Technique for Detection of Lung Cancer in CT Images and Data Access through Internet of Things	Springer	2022
Design of Smart Classroom in Educational Institutes for Smart and a Sustainable Campus Based on Internet of Things	Springer	2022
IoT Based Lung Cancer Detection Using Machine Learning and Cuckoo Search Optimization	Emerald Publication	2021
An Efficient Method for Detection and Classification of Pulmonary Neoplasm based on Deep Learning Technique	Bio Axis DNA Research Centre	2021
An Efficient Method for Detection and Classification of Neoplasm on Deep Learning Technique	IJARESM Publication	2021
Deep Learning Based Food Detection Method at Restaurants for Automatic Billing	Swets & Zeitlinger	2021
Lung Cancer Detection using Bio-Inspired Algorithm in CT scans and Secure Data Transmission through IoT Cloud	Science and Information	2020
Design Of Real Time Robotic System for Object Detection and Classification Using Raspberry Pi	Society for Experimental Mechanics	2020
Deep Learning Based Lung Cancer Detection in CT Scans And Secure Data Transmission	Society for Experimental Mechanics	2020
Development of Qualitative Model for Detection of Lung Cancer Using Optimization	Blue Eyes Intelligence Engineering and Sciences Publication	2019
A Dynamic Wireless Robot for Railway Track Scanning and Surveillance	Nitya Publications	2019
Bio- Metric Based High Security System for Vehicles	Nitya Publications Engineering	2019
Blood Vessel Segmentation of Retinal Images Using Contrast Limited Adaptive Histogram Equalization	Nitya Publications	2019
Optimization Based Lung Cancer Detection on CT Images and Data Transfer Using Raspberry Pi	Nitya Publications	2019



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Detection of Lung Cancer Using Efficient Optimization Technique	Nitya Publications	2019
An Optimized Image Fusion Technique for Neurosurgery	Nitya Publications	2019
A Novel Approach for Lung Lesion Segmentation Using Optimization Technique	Bio Axis DNA Research	2019
A Smart & Autonomous Wireless System for Precision Agriculture Using IoT	IJET Publications	2018
Design of Smart Bio-Metric Anti-Theft Protection System for Vehicles	IJET Publications	2018
An Exploration of Optimization Techniques for Detection of Lung Cancer in CT images	Academic Publications	2017
Detection of Diverse Tumefactions in Medial images by Various Cumulation Methods	Fast Track Publications	2017
An Investigation of Diverse Optimization Techniques on Medical Imagery for Detection of Perilous Diseases	Frontiers	2017
A Novel Optimization for Detection of Foot Ulcers on Infrared Images	IEEE	2017
Artifacts Correction in MRI Images	Springer	2017
Visual quality improvement of CT image reconstruction with quantitative measures	Springer	2017
Spiral Cone-Beam CT Reconstruction	Springer	2017
An Efficient Hybrid Model for Exposure of Breast Cancer in Mammograms by Imaging Techniques	IJATEST Publications	2016
A Survey of Various Optimization Methods for Detection of Cancer on Medical Images	IJATEST Publications	2016
An Online Embedded Handheld Writing System by Finger Writing in the Air	Indian Society for Education and Environment	2016
Controlling and Monitoring Smart Electronic Devices in Remote Locations by Using Internet	Academia Publications	2015
Artifacts Correction in MRI Imaging Using RF Pulse Phase Modulation and Recurrence Solving	IJECC Publications	2015
Relic Rectification in MRI Images Using Angle Modulation and Recurrence Solving	KY Publications	2015
Monitoring and Controlling the Smart Devices Using Web Server	IJIRCCE Publications	2015
Implementation of Carry Free Arithmetic Operations by QSDN	IJIRCCE Publications	2015
Advanced Physiological Healthcare Monitoring System Using Wireless Technology for Patients	GJTE Publications	2015
Morphological Approach of Talc Deposition in for Detection Lung CT Images	ITR Group	2014
Swumanoid: An Autonomous Manoeuvre Sailing Robot for Oceanographic Research	IJIRCCE Publications	2014
A robotic colonizer system for identifying and estimation of marine habitats in aqueous	IEEE	2013



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environment		
Fuzzy-neurologic in segmentation of MRI images	IEEE	2012
Neuro-fuzzy system for medical image processing	IEEE	2010

Patent Details:

Title of Patent	Submitted/Published/Awarded
Computer Implemented Method and System for Processing Qualitative Imaging to Detect and Forecast Abnormalities	Published
Deep Learning Strategies for Forecasting Student Dropout and Academic Excellence in Higher Education	Published
Machine Learning Approaches for Predicting Teachers' Stress, Teaching Approaches, and Student Academic Outcomes in Higher Education	Published
Cybercrime Detection and Prevention Using Automated Machine Learning in IoT Forensics	Published
Implementation of AI in Agriculture Through Machine Learning and IoT for Advanced Plant Disease Detection	Published