ANNAMACHARYA UNIVERSITY

About Profile

NAME: Dr. G. Thirumalaiah

DATE OF BIRTH: 25-05-1988

DESIGNATION: Assistant Professor

DEPARTMENT: ECE

EMAIL ID: gth@aitsrajampet.ac.in

DATE OF JOINING:11.06.2010

EMPLOYEE ID: 074

Academic Profile

Qualification	Name of the Board/University	YEAR
Post Doc Fellowship (PDF)	Lincoln University, Malaysia	2025(Pursuing)
Ph.D.	Karunya University (Deemed to be University), Coimbatore	2023
M.Tech	Jawaharlal Nehru Technological University (JNTU), Ananthapuramu	2013
B. Tech	Jawaharlal Nehru Technological University (JNTU), Ananthapuramu	2009
Intermediate	Sri Vidya College, Proddatur	2005
SSC	Municipal High School, Vassanthapeta, Proddatur	2003

Research Details

1. Areas of Specialization: Artificial Intelligence, Electro communication systems, Image and video analysis.

2. List of Publications: See the table

3. Awards Received: Best Applied robotic control (ARC)Coordinator, Elsevier Reviewer
4. Research Guidance:
   A) No. of PhD Guided:
   B) No. of M.Tech Guided: 10 batches
   C) No. of B.Tech Guided: 38 batches

5. Details of Professional Membership: IAENG, Hong Kong (112657), Singapore Institute of Electronics(60080009)
6. Subjects Taught: Microprocessors & Interfacing, signals and Systems, digital Image Processing etc….

Publication Details

Title	Publisher	Published Year
Enhancing agricultural intelligence and sustainability with an intelligent irrigation system based on wireless sensor networks	Taylor & Francis	2025
Automated soft drinks dispensing system using pneumatic gripper robot arm	American Institute of Physics (AIP)	2025
Industrial Fault Detection System Using IoT Based Arduino and Node MCU	Social Science Research Network (SSRN)-Elsevier	2025
An Optimized Path Planning Technique in A Static Environment for Computer Vision Applications	IEEE	2024
A Voice-Assisted Walking Support for Visually Impaired People Utilizing an Wearable Sensor Network	Springer	2024
An optimized complex motion prediction approach based on a video synopsis	Emerald Publications	2023
Intelligent Greenhouse Monitoring and Automatic Controlling Protocol by Using Python on Raspberry Pi	Springer	2022
An Optimized Clustered Based Video Synopsis by Using Artificial Intelligence	Springer	2020
Automated Speed Braking System Depending on Vehicle Over Speed Using Digital Controller	Springer	2020
An energy optimized object modeling technique for video synopsis using particle swarm optimization	River Publications (Scopus Indexed)	2020

Dynamic object indexing technique for distortion less video synopsis	Springer	2020

Patent Details

Sno.	Title of Patent	Submitted/Published/Awarded
1	SYSTEM AND METHOD FOR BLOCKCHAIN-BASED CREDIBILITY VERIFICATION OF INTERNET OF THINGS (IOT) ENTITIES	Published