**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**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:
5. No. of PhD Guided:
6. No. of M.Tech Guided: 10 batches
7. No. of B.Tech Guided: 38 batches
8. Details of Professional Membership: IAENG, Hong Kong (112657), Singapore Institute of Electronics(60080009)
9. 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** |
|  |  |  |