**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**

NAME: M. HANUMANTHU



PHOTO

DATE OF BIRTH: 26-08-1984

DESIGNATION: Assistant Professor

DEPARTMENT: ECE

EMAIL ID: mht@aitsrajampet.ac.in

DATE OF JOINING:04.06.2011

EMPLOYEE ID: 075

## Academic Profile

| **Qualification** | **Name of the Board/University** | **YEAR** |
| --- | --- | --- |
| **Ph.D.** | **North East Christian University, Nagaland** | **2025** |
| **M.Tech** | **Jawaharlal Nehru Technological University (JNTU), Ananthapuramu** | **2011** |
| **B. Tech** | **Jawaharlal Nehru Technological University (JNTU), Hyderabad** | **2005** |
| **Intermediate** | **Shiridi Sai junior College, Rajampet** | **2001** |
| **SSC** | **BVN School, Rajampet** | **1999** |

**Research Details**

1. Areas of Specialization: Low Power VLSI Design.
2. List of Publications: See the table
3. Awards Received: Elsevier Reviewer
4. Research Guidance:
5. No. of PhD Guided:
6. No. of M.Tech Guided: 9 batches
7. No. of B.Tech Guided: 32 batches
8. Details of Professional Membership:ISDS,IFERP,

IACSIT

1. Subjects Taught: DSP, ECA, EC, EDC, ADDC, DDTV, HDL, DCS, TT, CMC, AVDA, PCB DESIGN, DD, DLD ETC.

## Publication Details

|  |  |  |
| --- | --- | --- |
| **Title** | **Publisher** | **Published Year** |
| Industrial Fault Detection System Using IoT Based Arduino and Node MCU | Social Science Research Network (SSRN)-  Elsevier | 2025 |
| Hardware Efficient Realization of 128-bit Advanced Encryption Standard in FPGA | IEEE | 2024 |
| IoT Object Based Product Sorting Machine | IEEE | 2024 |
| Facemask Detection Using Bounding Box Algorithm Under COVID-19 Circumstances | SPRINGER | 2023 |
| Design of a Highly Reliable Low Power Stacked Inverter-Based SRAM Cell with Advanced Self-recoverability from Soft Errors | Springer | 2023 |

## Patent Details

| **Sno.** | **Title of Patent** | **Submitted/Published/Awarded** |
| --- | --- | --- |
| **1** | |  | | --- | | Self realiability based weighted softbit flipping algorithm for decoding EGLDPC Codes | |  | | **Published** |