**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**

**** NAME: Dr. S FAYAZ BEGUM

DATE OF BIRTH:28-04-1986

DESIGNATION: ASSISTANT PROFESSOR

DEPARTMENT: ECE

EMAIL ID: [fayazbegums@gmail.com](mailto:fayazbegums@gmail.com) [fayazbegums@yahoo.com](mailto:fayazbegums@yahoo.com)

DATE OF JOINING: 01-12-2011

EMPLOYEE ID: AITS041022

## Academic Profile

| **Qualification** | **Name of the Board/University** | **YEAR** |
| --- | --- | --- |
| **B. TECH ECE** | **SRM UNIVERSITY CHENNAI** | **2011** |
| **M.TECH ES&VLSI** | **JNTUA , ANANTHAPURAMU** | **2014** |
| **Ph. D** | **J.S. UNIVERSITY**  **SHIKOHABSAD,FIROZABAD** | **2024** |

## Research Details

1. Areas of Specialization: Embedded systems &vlsi design
2. List of Publications:10
3. Awards Received :2
4. Research Guidance:
5. No. of PhD Guided:
6. No. of M.Tech Guided:3
7. No. of B.Tech Guided:24
8. Details of Professional Membership: IAENG & IEEE
9. Subjects Taught:1) EM waves & transmission lines
10. Nano Electronics
11. Cellular & Mobile Communication
12. Electronic Devices &circuits
13. Satellite communication
14. Radar Enginering
15. Antennas and Wave Propagation
16. Wireless &Communication networks

## Publication Details

|  |  |  |
| --- | --- | --- |
| **Title** | **Publisher** | **Published Year** |
| Emotion Recognition from Physiological Signals Using Ensembled Machine Learning Strategy | SPRINGER NATURE | 2024 |
| Analysis of the Efficiency of Parallel Prefix Adders | SPRINGER NATURE | 2023 |
| IOT-based Fire Analyzer and Fire Fighting System |  |  |
| A Novel Traffic Management System Using IoT and Raspberry pi 3 Microcontroller | UGC CARE LIST | 2021 |
| implementation of Bottle Filling Using SCADA | UGC | 2018 |
| implementation of Low power High Performance 2-4 and 4-16 Mixed Logic | SCOPOUS INDEXED | 2024 |
| Design &implementation; of embedded technology in traffic monitoring system | SPRINGER | 2022 |
| Investigation of Level Set Segmentation Procedures in Brain MR Images | SPRINGER | 2021 |
| enhancement of Degraded Images via Fuzy Intensification Model | SPRINGER | 2021 |

## Patent Details

| **Sno.** | **Title of Patent** | **Submitted/Published/Awarded** |
| --- | --- | --- |
| **1** | METHOD FOR ANALYZING THE WEATHER MONITORING AND NOTIFICATION SYSTEM | **PUBLISHED** |
| **2** | locally adaptive contrast improvement for underwater image enhancement | **PUBLISHED** |
| **3** | detection of fraudulent Medicare providers using decision tree and logistic regression models | **PUBLISHED** |