

# Dr. Turimerla Pratap



**Designation** : Senior Assistant Professor  
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**Contact at** : Room No. EC-352, Project Lab,  
 Department of Electronics and Communications Engineering,  
**Velagapudi Ramakrishna Siddhartha School of Engineering,**  
**Siddhartha Academy of Higher Education** (Deemed to be University)  
 Kanuru, Vijayawada, Andhra Pradesh 520007.

## Education

### Ph. D. (Electronics and Communication Engineering)

2023, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram

### M.Tech. (Communications and Signal Processing)

2014, Acharya Nagarjuna University, Guntur

### B.Tech. (Electronics and Communication Engineering)

2011, Jawaharlal Nehru Technological University, Anantapur

## Experience

| Period    | Designation                | Institution / Organization                                                         |
|-----------|----------------------------|------------------------------------------------------------------------------------|
| 2025-Till | Senior Assistant Professor | Siddhartha Academy of Higher Education (Deemed to be University), Vijayawada       |
| 2022-2025 | Assistant Professor        | Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada                  |
| 2017-2021 | Research Fellow            | Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram |
| 2014-2017 | Assistant Professor        | Narayana Engineering College, Nellore                                              |
| 2011-2012 | Assistant Professor        | Narayana Engineering College, Nellore                                              |

## Research Interests

### Broad Area of Research : **COMPUTER VISION & APPLIED MACHINE LEARNING**

- Computer-aided Diagnosis (Biomedical Image Analysis)
- Image Restoration
- Applied Machine Learning

## Honors and Awards

- Ratified as Assistant Professor by JNTUK, Kakinada.
- Received HTRA under Institute Scholar (IIITDM), MHRD, Govt. of India, 2020-21.
- Received Project Fellowship under DST-SERB, Govt. of India, 2017-20.
- Received Institute Fellowship in M.Tech. through GATE, MHRD, Govt. of India, 2012-14.
- Ratified as Assistant Professor by JNTUA, Anantapur.
- Qualified NET Assistant Professor, 2014.

## Courses Taught (UG Level)

- Introduction to Machine Learning
- Digital Logic Design
- Signals and Systems
- Electronic Devices and Circuits
- Electromagnetic Waves and Transmission Lines
- Digital Image Processing
- Satellite Communications
- Data Compression
- Network Theory

## Research Profile

### Publications

The recent publications and research contributions can be viewed from the following URLs

|                       |                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Google Scholar</b> | <a href="https://scholar.google.co.in/citations?user=G8PfLHcAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=G8PfLHcAAAAJ&amp;hl=en</a> |
| <b>Scopus</b>         | <a href="https://www.scopus.com/authid/detail.uri?authorId=57208817570">https://www.scopus.com/authid/detail.uri?authorId=57208817570</a>           |
| <b>ORCID</b>          | <a href="https://orcid.org/0000-0002-6700-9822">https://orcid.org/0000-0002-6700-9822</a>                                                           |
| <b>dblp</b>           | <a href="https://dblp.org/pid/247/7450.html">https://dblp.org/pid/247/7450.html</a>                                                                 |
| <b>Web of Science</b> | <a href="https://www.webofscience.com/wos/author/record/AAX-4110-2020">https://www.webofscience.com/wos/author/record/AAX-4110-2020</a>             |
| <b>LinkedIn</b>       | <a href="http://www.linkedin.com/in/turimerlapratap">www.linkedin.com/in/turimerlapratap</a>                                                        |

### Funded Research Projects

| S.No | Type   | Title                                                   | Status   | Funding Agency | Amount (INR) | Duration |
|------|--------|---------------------------------------------------------|----------|----------------|--------------|----------|
| 01.  | Funded | Techniques for removing Scalping and Banding in ScanSAR | On-going | ISO RESPOND    | 19.45 Lakhs  | 2 Years  |

## Consultancy / Industry Projects

|           |    |
|-----------|----|
| Completed | 01 |
| On-going  | 00 |
| Applied   | 00 |

## Professional Service / Reviewer

- Recognized as a meta-reviewer for *CICT conference 2025*, IEEE
- Recognized as a reviewer for *Scientific Reports*, Springer.
- Recognized as a reviewer for *International Journal of Surgery*, Elsevier.
- Recognized as a reviewer for *Biomedical Signal Processing and Control*, Elsevier.
- Recognized as a reviewer for *Expert Systems with Applications*, Elsevier.
- Recognized as a reviewer for *Computers in Biology and Medicine*, Elsevier.
- Recognized as a reviewer for *IEEE Access*, IEEE.
- Recognized as a reviewer for the journal *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization*, Taylor & Francis.
- Recognized as a reviewer for the journal *Measurement*, Elsevier.
- Recognized as a reviewer for the conference *International Symposium on Biomedical Imaging 2024*, IEEE.
- Recognized as a reviewer for the conference *InGARSS 2025*, IEEE.

## Professional Development Activities - Participations

|                                                                  |         |
|------------------------------------------------------------------|---------|
| Faculty Development and Training Programmes<br>(at least 5 Days) | 14      |
| International / National Level Seminars                          | 06      |
| International / National Level Conferences                       | 05 / 03 |
| Workshops                                                        | 02      |
| Instructor Led / Self-Paced Courses                              | 02      |
| Webinars                                                         | 02      |

## Professional Bodies Membership Details

|          |                                                                                                                                                |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 96436812 | IEEE Member, IEEE Signal Processing Society Member, IEEE Communication Society Member, IEEE Engineering in Medicine and Biology Society Member |
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