

# Kranthi Madala



**Designation** : Assistant Professor  
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**Contact at** : EI 430, Department of Electronics & Instrumentation Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada, Andhra Pradesh 520007.

## Education

### Ph. D Pursuing (Electronics & Computer Engineering (ECM))

Registered in January 2018 at KLU (deemed to be university) , submitted thesis in May 2025.

### M.Tech (VLSI Design)

2012, MITS college, Kodad, Affiliated to Jawaharlal Nehru Technological University, Hyderabad.

### B.Tech (Electronics & Instrumentation Engineering (EIE))

2005, Jawaharlal Nehru Technological University, Kakinada

## Experience

Period	Designation	Institution/ Organization	Key Responsibilities
2014-2025	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Maintaining higher studies and competitive exams data. Member of NBA Criteria 3&5. Member of NAAC Criteria 2&4 Maintaining students feed back and alumni feedback on curriculum files. Issuing of PC & CMM 's to the passed out students . Class teacher of II/IV -Asec Counsellor for II/IV –Asec
2011-2014	Assistant Professor	Dhanekula Institute of Engineering	Departmental incharge for exams , Attendance incharge for III yr , Time tables incharge , Class Teacher
2009-2011	Lecturer	Sana Engineering college , Kodad	-

## Research Interests

### Broad Area of Research:

IoT, Machine Learning , Python

## Honors and Awards

- Ratified as an Asst. Professor in EIE dept. under JNTUK in June 2017.
- Qualified the Faculty Entrance Test (FET) conducted by JNTUH in 2010.

## Courses Taught for UG

- Basics of Electronics Engineering
- Micro Controllers & Embedded Systems
- Electronics Measurement & Instrumentation
- Python , AI tools Labs .
- Microprocessors & Interfacing
- Electronic Devices And Circuits
- Process Control
- Industrial Instrumentation
- Biomedical Instrumentation
- C & D.S with Labs
- Switching Theory & Logical Design
- Universal Human values
- Professional Ethics
- Sensors & Trnsducers

## Research Profile

### Publications

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

Google Scholar	<a href="https://scholar.google.com/citations?hl=en&amp;user=3CL7OLcAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=3CL7OLcAAAAJ</a>
Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=57201012488">https://www.scopus.com/authid/detail.uri?authorId=57201012488</a>
Research Gate	<a href="https://www.researchgate.net/profile/Kranthi_Madala">https://www.researchgate.net/profile/Kranthi_Madala</a>
LinkedIn	<a href="https://www.linkedin.com/in/kranthi-madala-68aa4787/">https://www.linkedin.com/in/kranthi-madala-68aa4787/</a>
ORCID	<a href="https://orcid.org/0000-0002-4277-6443">https://orcid.org/0000-0002-4277-6443</a>

### Recognized ResearchSupervisor

### Funded Research Projects

Completed	
On-going	
Applied	

### Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
	-			

## Consultancy / Industry Projects

Completed	
On-going	
Applied	

## Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Introduction to IoT	NPTEL	12 weeks	Jan -April 2018
2.	Embedded system design with ARM	NPTEL	8 weeks	Jan-March 2021
3.	Introduction to industry 4.0 and industrial IoT	NPTEL	12 weeks	July-Oct 2022
4.	Digital circuits	NPTEL	12 weeks	July -Oct 2023
5.	Organic Farming for sustainable Agricultural Production	NPTEL	8 weeks	July- Sept 2019
6.	Introduction to research	NPTEL	8 weeks	Feb -April 2019
7.	Machine Learning for core Engineering Disciplines	NPTEL	12 weeks	July -Oct 2025
8.	Programming Data structures and Algorithms using Python	NPTEL	8 weeks	July -Sept 2025
9.	Python for everybody	Course era	4weeks	2020
10.	AI for all	Course era	4 weeks	2020

## Patents

S.No	Title	Status	Application No.	Year
1.	Advanced Dual Authentication entry system	Published	396272-001	10th Nov2023
2.	Patient medical database access system using Finger print over a cloud computing	Published	202341001708A	3rd Feb 2023
3.	©Method for providing a multi directional theft monitoring system for tracking vehicles and alerting owners in real	Published	202241004999A	2 <sup>nd</sup> April 2022

	time			
4.	Automatic Toll Booth collection system using RFID with IoT	Published	202021011522	27 <sup>th</sup> March 2020
5.	IoT and block chain enabled smart E-vehicle charging system	Published	202041020699	5 <sup>th</sup> June 2020

## Invited Talks

No. of Invited Talks	
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## Professional Service /Reviewer

### Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	30
International / National Level Seminars	05/05
International / National Level Conferences	15/01
Journal Publications in Scopus /SCI	06
Workshops	10
Instructor Led / Self-Paced Courses	8
Webinars	5

### Professional Bodies Membership Details

AMI/25/0957	Life member of AMIEE
157083	Life member of IAENG



(Kranthi Madala)

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