




SIDDHARTHA
ACADEMY OF HIGHER EDUCATION
(Deemed to be University u/s 3 of UGC Act, 1956)

Dr. Kranthi Madala

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Education

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

Jan 1st 2026 from KLU (deemed to be university), in AI based Smart Agriculture.

M. Tech (VLSI Design)

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

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

2007, Acharya Nagarjuna University, Guntur.

Experience

Period	Designation	Institution/ Organization	Key Responsibilities
2014- till date	Assistant Professor	Siddhartha Academy of Higher Education (deemed to be university)	Maintaining higher studies and competitive exams data. Member of NBA Criteria 3&5. Member of NAAC Criteria 2&4 Maintaining students feedback 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 Design
- Microprocessors & Interfacing
- Electronic Devices and Circuits
- Process Control
- Industrial Instrumentation
- Biomedical Instrumentation
- C & D.S with Labs
- Switching Theory & Logical
- Universal Human values
- Professional Ethics
- Sensors & Transducers

Research Profile

Publications

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

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

Recognized Research Supervisor

Funded Research Projects

Completed	
On-going	
Applied	

Administrative Roles

Consultancy / Industry Projects

Completed	
On-going	
Applied	

Certifications/MOOC Courses Completed

- Done AICTE -sponsored Quality Improvement Programme on 'Machine Learning 'from IIIT Surat from June to Dec 2025 with a cgpa of 9.2.

S.No.	Title	Platform	Duration	Year
1.	Introduction to IoT	NPTEL	12 weeks	Jan -April 2018
2.	Embedded system design with A RM	NPTEL	8 weeks	Jan-March 2021
3.	Introduction to industry 4.0 and i ndustrial 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.	Python for everybody	Course era	4weeks	2020
9.	AI for all	Course era	4 weeks	2020
10.	Introduction to Machine Learning	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	Published	202241004999A	2 nd April 2022

	monitoring system for tracking vehicles and alerting owners in real time.			
4.	Automatic Toll Booth collection system using RFID with IoT	Published	202021011522	27 th March 2020
5.	IoT and block chain enabled smart E-vehicle charging system	Published	202041020699	5 th June 2020

Invited Talks

Professional Service /Reviewer

Professional Bodies Membership Details

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


(Kranthi Madala)
