

# Dr Vimala Kumari J



**Designation** : Assistant Professor  
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**Contact at** : Department of Electrical and Electronics Engineering,  
 Siddhartha Academy of Higher Education,  
 Kanuru, Vijayawada, Andhra Pradesh 520007.

## Education

**Post Doctoral Fellow (Drones, GNSS (NavIC-IRNSS))**  
*(Pursuing) Indian Institute of Technology, Tirupati (IITTNiH)*

**Ph. D (Control Systems, Electrical Engineering)**  
*2022, Vellore Institute of Technology, Vellore*

**M. Tech (Control Systems, Electrical and Electronics Engineering)**  
*2015, Jawaharlal Nehru Technological University, Kakinada*

**B. Tech (Electrical and Electronics Engineering)**  
*2011, Jawaharlal Nehru Technological University, Kakinada*

## Experience

Period	Designation	Institution / Organization	Key Responsibilities
2021-Till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Academic Program Committee coordination, Course Coordinator, Dept Library Coordinator, Drone Club Coordinator, Project Reviewer, Module Coordinator, Counsellor.
2017-2021	Research Scholar (Full-Time)	Vellore Institute of Technology, Vellore, TN, India	Research, Publications
2015-2017	Assistant Professor	ST. Peter's Engineering College, Hyderabad	NBA Criteria 8 coordination, Girls' Hostel Committee member

## Research Interests

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### Broad Area of Research :

Control Systems, Computer Vision Techniques, Drone Technology (Precision Landing), GNSS, NavIC-IRNSS.

## Honors and Awards

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- I am currently pursuing a prestigious Post-Doctoral Fellowship at IIT Tirupati Navavishkar I-Hub Foundation (IITNiF) with a stipend of Rs. 94,400/- per month for the A. Y: 2025-26.
- One of my Ph. D works has been recognized and published on the Quanser.com website. <https://www.quanser.com/blog/iterative-learning-control-for-magnetic-levitation/>
- Ratified by the JNTU Hyderabad from VR Siddhartha Engineering College, Vijayawada in 2023.
- Ratified by the JNTU Hyderabad from ST. Peter's Engineering College, Hyderabad, in 2017.
- Secured AIR: 13,094 in GATE 2011.

## Courses Taught

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S.No	Course Name	Level (UG/PG)
1.	Linear Control Systems	UG
2.	Electronics circuits	UG
3.	Artificial Neural Networks and Fuzzy Logic,	UG
4.	Basic Electrical and Electronics Engineering	UG
5.	Internet of Things Lab	UG
6.	AI Tools and Applications	UG

## Research Profile

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### Publications

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

Google Scholar	<a href="https://scholar.google.com/citations?user=EcTXm7gAAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=EcTXm7gAAAAJ&amp;hl=en&amp;oi=ao</a>
Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=57211457510">https://www.scopus.com/authid/detail.uri?authorId=57211457510</a>
ORCID	<a href="https://orcid.org/0000-0001-5073-1248">https://orcid.org/0000-0001-5073-1248</a>
dblp	
Publons	
Research Gate	<a href="https://www.researchgate.net/profile/Vimala-Kumari-J">https://www.researchgate.net/profile/Vimala-Kumari-J</a>

<b>LinkedIn</b>	<a href="https://www.linkedin.com/in/dr-vimala-kumari-jonnalagadda-0b0411267/">https://www.linkedin.com/in/dr-vimala-kumari-jonnalagadda-0b0411267/</a>
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## Recognized Research Supervisor

S.No.	Department	University
01.	Electrical and Electronics Engineering	Siddhartha Academy of Higher Education, Vijayawada.

## Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
Nil						

## Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Academic Program Committee Member	SAHE	2024-Present	Program manual prep
2	Drone Club Co-ordinator	EEE, SAHE	2023-Presesnt	Promoted Drone Club activities include Product Development, Workshops, Industrial visits, Hackathons, Internships, and Placements.
3	Department Library Co-ordinator	EEE, SAHE	2021-Present	Maintained and Enhanced Library resources
4	NBA Criteria-5 Member	EEE, SAHE	2021-2022	Contributed to NBA accreditation

## Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
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1.	Summer Internship Technical Training Programme	India Space Lab	45 Days	2025
2.	Neuromorphic Engineering	K-Combinator, USA	36 Days	2024
3.	Python for Data Science	NPTEL	4 Weeks	2024
4.	Cloud Computing	NPTEL	12 weeks	2024
5.	Reinforcement Learning	NPTEL	12 weeks	2024
6.	Introduction to Machine Learning	NPTEL	12 weeks	2023
7.	Machine Learning with Python	Center of Excellence, National Instruments Innovation Center	45 Days	2022

## Consultancy / Industry Projects

Completed	Nil
On-going	Nil
Applied	01

## Patents

S.No	Title	Status	Application No.	Year
Nil				

## Ph.D

Awarded	Nil
Guiding	Nil

## Invited Talks

No. of Invited Talks	01
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## Professional Service / Reviewer

- Reviewer in ISA Transactions, ScienceDirect since 2024.

## Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	25
International / National Level Seminars	04/ 05
International / National Level Conferences	12
Workshops	20
Instructor-Led / Self-Paced Courses	04
Webinars	09

## Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	AM3159089	The Institution of Engineers (India)

Dr Vimala Kumari J

24/09/2025

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