

Bindu Vadlamudi



Designation : Asst professor
E-Mail ID : bindu@vrsiddhartha.ac.in
Contact at : Department of Electrical and Electronics Engineering,
 Velagapudi Ramakrishna Siddhartha Engineering College,
 Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Electrical Engineering) (Pursuing)

, Anna University, Chennai

M.Tech (Power Electronics)

2011, Jawaharlal Nehru Technological University, Kakinada

B.Tech (Electrical and Electronics Engineering)

2002, Acharaya Nagarjuna University, Guntur

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2022-till now	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Admissions, research publications, Electronics lab in charge, NBA/NAAC coordination.
2010-2022	. Assistant Professor	Dhanekula Institute of Engineering and Technology	Exam Cell in charge, Timetable In charge, ISO Coordinator, NBA Coordinator
2007-2010	Assistant Professor	SRK Institute of Technology	Control systems Lab incharge

Research Interests

Broad Area of Research:

Islanding detection, ANN and Machine learning, Smart grids, Dc-Dc converters, Deregulated system

Honors and Awards

- Identified as NPTEL DISCIPLINE STAR for the period July to December 2024
- The paper titled “Detection of Islanding in Micro Grid By using Artificial neural networks” is Presented Best paper Award in the conference ICSSSES 2025

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Power systems-Generation, Transmission, Distribution	UG
2	Control systems	UG
3	Network Analysis	UG
4	Artificial Neural Networks	UG
5	Digital Electronics	UG
6	Design thinking	UG
7	Electrical Machines	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?user=SJs7_KIAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=58313141900
ORCID	https://orcid.org/oauth/authorize?client_id=0000-0002-5982
dblp	
Publons	https://publons.com/wos-op/wos-claim/?authorid=696116
Research Gate	
LinkedIn	

Recognized Research Supervisor

S.No.	Department	University
01.		
02.		
03.		
04.		

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.						
02.						
03.						

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Admissions	Siddhartha Academy of Higher Education	2022	Coordinated the entire admission process by managing applications and assisting candidates. Ensured smooth communication between students, parents, and the institution.
2	Electronics lab Incharge	Siddhartha Academy of Higher Education	2022	Managed and maintained electronic lab equipment, ensuring safety and readiness for practical sessions. Assisted students during experiments and coordinated lab schedules efficiently.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
-------	-------	----------	----------	------

1.	Introduction to Internet of Things	NPTEL	12 weeks	2024
2.	Cloud Computing	NPTEL	12 weeks	2024
3.	Machine Learning for Engineering and science applications	NPTEL	12 weeks	2024
4.	The Joy of Computing using Python	NPTEL	12 weeks	2024
5.	Introduction to Machine Learning	NPTEL	12 weeks	2023
6.	DATA MINING	NPTEL	8 weeks	2023
7	Service Now system administrator		certification no 24655983	2023

Consultancy / Industry Projects

Completed	
On-going	
Applied	

Patents

S.No	Title	Status	Application No.	Year
1.	Advanced Power generation material and process design by Artificial Intelligence	Published	20234108192 5	2024
2	The performance of switched Reluctance Motors for electric Vehicle Applications can be significantly improved by implementing Predictive current control	Published	20234103254 8	May 2023

Ph.D

Awarded	
---------	--

Guiding	
---------	--

Invited Talks

No. of Invited Talks	02
----------------------	----

Professional Service / Reviewer

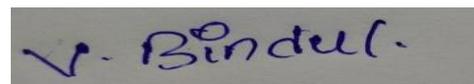
- Reviewer in Franklin open, Elsevier
- Reviewer in Discover energy, Elsevier
- Reviewer in e-Prime - Advances in Electrical Engineering
- Reviewer in International journal of Modelling

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	43
International / National Level Seminars	03 / 02
International / National Level Conferences	10
Workshops	8
Instructor Led / Self-Paced Courses	10
Webinars	12

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	M-1817994	Institute of Engineers (IEI)
2.	LM116927	Indian Society for Technical Education (ISTE)
3	SMISEEEE20170103 1016	Indian Society of electrical and Electronics Engineering (ISEEE)
4		ISSSE



(Your Name & Signature with Date)
