Madhusudna Rao ranga

Designation	: Assistant Professor
E-Mail ID	: madhuranga11@vrsiddhartha.ac.in
Contact at	: Department of Electrical and Electronics Engineering, Velagapudi Ramakrishna Siddhartha Engineering College, Kanuru, Vijayawada, Andhra Pradesh 520007.

Education

Ph. D (Pursuing)

In Jawaharlal Nehru Technological University, Kakinada ,Soalar Renewable Energy System

M.Tech (Power Electronics & Power Systems)

2009, Koneru Lakshmaiah College of Engineering, Affiliated to Acharya Nagarjuna University

B.Tech (Electrical and Electronics Engineering**)**

2005, Narasarao peta Engineering College affiliated to Jawaharlal Technological University, Hyderabad.

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2012-Till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Department ISO Coordinator. In-charge to Project Room, In-charge to ET lab, Project Expo In-charge, Key member in Product development, Student Counsellor, NAAC/NBA Criteria In-charge,Assistant Controller of Examination, Member in Student Welfare committee.
2008-2012	Assistant Professor	**Loyola Institute of Technology and Management** (LITAM) Dhulipalla	Department ISO Coordinator. Powe Electronics Lab Incharge, Class Teacher, Student Counseller.

Research Interests

Broad Area of Research :

Solar Renewable Energy Systems

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Microprocessor and Microcontroller	UG and PG
2	Microcontrollers	UG
3	Power Systems Generation ,Transmission and Distribution systems	UG
4	Power System Protection	UG
5	Electrical Distribution Systems	UG
6	Power System Analysis	UG
7	Power System Operation and Control.	UG and PG
8	Electrical Measurements	UG
9	Power Electronics	UG
10	Basics of Electrical and Electronics	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=77RncpQAAAAJ
Scopus	Scopus ID: 57221612833
ORCID	https://orcid.org/0000-0001-6578-3139
Research Gate	https://www.researchgate.net/profile/Madhusudana-Ranga?ev=hdr_xprf
LinkedIn	https://www.linkedin.com/in/madhuvrsec-department-776396113/

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Assistant Controller of examination	VRSEC	2024-Till now	Autonomous Section Management
2	Department ISO Coordinator	VRSEC	2013-Till now	To maintain department in lines of ISO standereds
3	Student welfare member	VRSEC	2023- to now	To addresses the students grievances

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1	Python for data science	NPTEL	04 weeks	2024
2	Data Science for Engineers	NPTEL	08 weeks	2024
3	Joy of Computing Using Python	NPTEL	12 Weeks	2023
4	Cloud Computing	NPTEL	12 Weeks	2023
5	Machine Learning	NPTEL	08 weeks	2023
6	Power System Analysis	NPTEL	12 weeks	2020
7	Programming for everyone (Get started with Python	Coursera	18 hours	2020
8	AI for everyone	Coursera	6 hours	2020
9	Covid-19	Coursera	6 hours	2020
10	Introduction to Internet of Things	NPTEL	12 weeks	2018

Patents

S.No	Title	Status	Application No.	Year
1.	IOT based Inaugration Curtain system	Published	202341030002 A	2023
2	Street light controller	Published	366947001	2022

Professional Service / Reviewer

- Reviewer in Institute of Engineers scopus

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	19
International / National Level Seminars	06
International / National Level Conferences	07
Workshops	14
Instructor Led / Self-Paced Courses	05
Webinars	07

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	M 1573211	Institue of Engineers
2.	LM60895	Indian Society for Technical Education (LISTE)

(Your Name & Signature with Date)

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