Faculty Profile

Basic Information:



NAME	:	**SWETHA MAREDDY**
DESIGNATION	:	**ASSISTANT PROFESSOR**
DEPARTMENT	:	**ELECTRICAL & ELECTRONICS ENGINEERING**
DATEOFBIRTH	:	**04/05/1988**
DATEOFJOINING	:	**8/06/2022**
EMAILID	:	**danvikreddy012@gmail.com**
EMPLOYEEID:		**1632**

AcademicProfile:

Qualification	Name of the Board/University	YEAR
S.S.C	Nalanda High School, Rajampet (Board of School Secondary Education - Hyderabad)	2002-2003
INTERMEDIATE	Narayana junior college, kadapa (Board of Intermediate-Hyderabad)	2003-2005
B. TECH	Annamacharya Institute of Technology & Sciences, Rajampet. (Affiliated to Jawaharlal Nehru Technological University – Anantapur)	2005-2009
M.TECH	Saint Mary's college of Engineering & Technology, Hyderabad (Affiliated to Jawaharlal Nehru Technological University – Hyderabad)	2010-2012

ResearchDetails:

1.Areas of Specialization	:	**Electrical Power systems**
2.No.of Publications	:	4
3.Awards Received	:	
4.ResearchGuidance		
	No. of PhD Guided:	
	No. of MTech. Guided:	
	No. of B.Tech. Guided:	12
5.Details of Professional Membership:		

6.SubjectsTaught	:	• Principles of Electrical Engineering • Energy Auditing & Demand side Management • Electrical Circuits • Renewable Energy Systems • Control systems • Electrical & Electronic Measurements • Basics of Electrical & Electronics Engineering

Publication Details:

Title	Publisher	Published Year
Impact of forecast time step on PV production accuracy using machine learning for micro grid efficiency	Emerging sources citation index (Metallurgical & Materials Engineering),511-520,	2025
RFID-Enabled smart shopping cart for enhancing shopping efficiency and preventing theft	5th International Conference on Recent Trends in Computer Science and Technology, ISBN:979-8-3503-5138-5,	2024
Bidirectional power control strategy for super capacitor energy storage system based on MMC DC-DC Converter	Ijraset Journal For Research in Applied Science and Engineering Technology, ISSN: 2321-9653,	2023
. Bidirectional power control strategy for super capacitor energy storage system based on MMC DC-DC Converter	IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES, Volume 11, Issue 11	2022