



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER APPROPRIATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P-516126, INDIA

Faculty Profile

Basic Information:

NAME : SWETHA MAREDDY
DESIGNATION : ASSISTANT PROFESSOR
DEPARTMENT : ELECTRICAL & ELECTRONICS
ENGINEERING
DATE OF BIRTH : 04/05/1988
DATE OF JOINING : 8/06/2022
EMAIL ID : danvikreddy012@gmail.com
EMPLOYEE ID: 1632



Academic Profile:

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

Research Details:

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



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6. Subjects Taught :	- Principles of Electrical Engineering - Energy Auditing & Demand side Management - Electrical Circuits - Renewable Energy Systems - Control systems - Electrical & Electronic Measurements - Basics of Electrical & Electronics Engineering
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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	Ijrasnet 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