Faculty Profile

Basic Information:



NAME	:	**Mr. T. ARUN KUMAR**
DESIGNATION	:	**Assistant Professor**
DEPARTMENT	:	**EEE**
DATE OF BIRTH	:	**10/07/1991**
DATE OF JOINING	:	**08/10/2021**
EMAIL ID	:	**tak@aitsrajampet.ac.in**
EMPLOYEE ID	:	**1572**

Academic Profile:

Qualification	Name of the Board/University	YEAR
M. Tech	S.V UNIVERSITY COLLEGE OF ENGINEERING, TIRUPATI	2015
B. Tech	G.R.T COLLEGE OF ENGINEERING AND TECHNOLOGY, TIRUTTANI	2012

Research Details:

1. Areas of Specialization :		Power Systems
2. No. of Publications :		12
3. Awards Received :		nil
4. Research Guidance		
	No. of PhD Guided:	---
	No. of M. Tech. Guided:	0
	No. of B. Tech. Guided:	5 Batches
5. Details of Professional Membership:		---
6. Subjects Taught :		1) Basic Electrical and Electronics Engineering 2) Electrical and Electronics Measurements 3) Control Systems 4) Network Analysis and Signals 5) Hybrid Electric Vehicles 6) Electric vehicles 7) Computational Problem solving 8) Power system operation and control 9) Linear system Analysis

Publication Details:

Title	Publisher	Published Year
PSO and GSS algorithms are used to arrange DG optimally for voltage profile enhancement and loss reduction	E3S Web of Conferences 547, 01013-2024	2024
A solar powered micro-grid management system incorporating demand response strategies	Vol. XVII & Issue No.09, Sep-2024- International Educational Journal	2024
Reactive power control in distribution network by optimal location and sizing of capacitor using Fuzzy and SFLA	IJAEM (ISSN 2395-5252)- Vol .05, Issue No. 01,Jan. 2023	2023
Design and Simulation of Fuzzy Logic Controller based MPPT Algorithm for Solar Energy System	IJSETR (ISSN 2319-8885)- Vol .07, Issue No. 03.	2022
Multilevel STATCOM Using Fuzzy Logic Controller in a Transmission Line for Voltage Control	International Journal of Science and Research (IJSR) - ISSN (Online): 2319-7064 - Volume 6 Issue 11, November 2017	2017
Maximum Power Point Tracking Algorithms Applied to Wind-Solar Hybrid System	IJAREEIE- (An ISO 3297: 2007 certified Organization) Vol. 4, Issue 10, Oct-2015	2015

Patent Details:

Title of Patent	Submitted/Published/Awarded
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