Faculty Profile

Basic Information:

NAME	:	**Dr.Shaik Muqthiar Ali**
DESIGNATION	:	**Asst.Professor**
DEPARTMENT	:	**Electrical & Electrical Engineering**
DATE OF BIRTH	:	**02-07-1984**
DATE OF JOINING	:	**14-06-2012**
EMAIL ID	:	**shaikmuq@gmail.com**
EMPLOYEE ID:		**: 414**

Academic Profile:

Qualification	Name of the Board/University	YEAR
Phd (Electrical Engineering)	Jawaharlal Nehru Technological University Ananthapur (JNTUA)	2024
M.Tech(Cyber Security)	Mangalyatan University (WILP)	2024
M.B.A(H.R)	Allagappa University (Distance)	2009
M.Tech (Electrical Power Systems)	Jawaharlal Nehru Technological University Hyderabad (JNTU Hyderabad)	2008
B.Tech(Electrical and Electronics Engineering)	Jawaharlal Nehru Technological University Hyderabad (JNTU Hyderabad)	2005

Research Details:

1. Areas of Specialization	:	Power Systems,Cyber systems,Electric Vehicles
2. No. of Publications	:	20
3. Awards Received	:	UGC NET (Electronic Sciences) Qualified
4. Research Guidance		
	No. of PhD Guided:	
	No. of MTech. Guided:	12
	No. of B.Tech. Guided:	24 Batches (80 students)
5. Details of Professional Membership:		Member in Institution of Engineers (**M-157179-0**) Member of IAENG

	Member in Teaching & Education Research Association (TERA-M19101744) Member in the IRED (SNM10100059677)
6. Subjects Taught :	Basic Electrical & Electronics Engineering Fundamentals of Electronic Device Circuits Electrical Technology Power system protection Energy Auditing & Demand Side Management Renewable Energy Sources Principles of Power Quality Reliability Engineering and Applications to Power system Transmission of Electric Power Electrical Measurements and Instrumentation Power Systems Operational & Control Optimization Techniques Generation of Electrical Power Advanced Power System Protection Smart Grid Linear Control systems Soft Computing Techniques Power System Reliability Advanced Power system Analysis Restructured Power systems Energy Conversion Systems Design thinking and Innovation

Publication Details:

Title	Publisher	Published Year
Optimizing Energy Management Strategy for Fuel Cell Hybrid Electric Vehicles: A Hybrid FBPINN-MGOA Approach	Renewable Energy (Elsevier Publication-SCIE)	2025
Evaluation of E-vehicle Efficiency Enhancement with Magnetic Materials	E3S Web of Conferences (Scopus Journal)	2025
Energy management of a fuel cell/ultra-capacitor hybrid electric vehicle under uncertainty based on CO-SNN method	Journal of Energy Storage (Elsevier Publication-SCIE)	2023
IOT Based Automated Indoor Hydroponic Farming System	E3S Web of Conferences (Scopus Journal)	2024
Power Quality Improvement and Performance Enhancement of Distribution System Using D-STATCOM	Willey Online Library (Book Chapter)	2023
Enhancement of Voltage Profile in the Distribution system by Reconfiguring with DG placement using Equilibrium Optimizer	Alexandria Engineering Journal (Elsevier Publication-SCIE)	2022
Performance analysis of hybrid techniques for evaluation of power transmission cost and loss allocation based on transmission reliability	International Transactions on Electrical Energy System (Wiley Publication-SCIE)	2021

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A Techno-Economic Feasibility Analysis of Renewable Energy-Based Marine Micro-Grid for Cruise Ship Applications: A Case Study Simulation	Marine Technology Society Journal (SCIE Journal)	2021
Power Transfer Matrix Model and SVPWM Technique Based Multi Variable Control Method for DFIG Wind Energy System	Mathematical Statistician and Engineering Applications (Scopus Journal)	2022
Explorative Analysis of Various Properties in Transformer Oil Based Nanofluids and Vegetable Oils for a Transformer	Journal of Green Energy (Scopus Journal)	2020
Optimal And Reliable Transmission Cost Allocation Using Lightning Search Algorithm-Particle Swarm Optimization In Distributed Energy Resources (Der) Planning	Journal Of Mechanics Of Continua and Mathematical Sciences (ESCI Journal)	2020
Analysis of Transmission Cost Allocation Strategies with Reliability for Deregulated Systems	International Journal of Innovative Technology and Exploring Engineering (Scopus Journal)	2019
Line Loss Minimization in Distant Substations and Multiple Cycle Distribution Systems Using UPFC	International Journal Of Control Theory and Applications (Scopus Journal)	2016
Reconfiguration with simultaneous DG installation to improve the voltage profile in distribution network using harmony search algorithm	Bulletin of Electrical Engineering and Informatics (Scopus Journal)	2015
Designing and control of isolated wind-hydro hybrid system With BESS	International Journal of Engineering Research and Development (Scopus Journal)	2014
An Improved Control Strategy to Microgrid Load Demand Sharing	International Journal of Emerging Trends in Electrical and Electronics (Scopus Journal)	2013

Patent Details:

Title of Patent	Submitted/Published/Awarded
MINI BUCK CONVERTER VOLTAGE REGULATOR MODULE	Design Patent (Awarded)
System and a method for an Intelligent/Automatic Tuning Of Power Converter Of Electric Vehicle For Charging The Battery Thereof	Published
EV-MONITORING SYSTEM: REAL-TIME MONITORING SYSTEM IN ELECTRIC VEHICLE USING IOT-BASED TECHNOLOGY.	Published
IEMG-POWER BANK: INTELLIGENT ELECTRONICS MODERN GAUGEATE POWERBANK	Published