

Paper Publication EE Department
SCIE/Scopus/UGC index

SN	Faculty Name	International journal/ ISSN no	Title of Paper
1.	DR. Vivek Kumar	doi.org/10.1177/01445987241253292 Volume 42 Issue 6, November 2024	A novel nature-inspired nutcracker optimizer algorithm for congestion control in power system transmission lines
2	DR. Vivek Kumar	doi.org/10.1080/23311916.2023 - Issue 1023.2210899	Rotor angle stability and voltage stability improvement of highly renewable energy penetrated western grid of Bangladesh power system using FACTS device
3	DR. Vivek Kumar	doi.org/10.1177/0309524X241302465 Sage Journals Volume 49, Issue 1	MPPT controller design and comparison of selected site Cox's Bazar
4	DR. Vivek Kumar	DOI: 10.1007/s41660-022-00271-1 August 2022 Process Integration and Optimization for Sustainability 6(4):1-17	Influence of Wind Energy Source on Congestion Management in Power System Transmission Network: a Novel Modified Whale Optimization Approach
5.	Sumit Sharma	https://doi.org/10.1016/j.asej.2021.101679 9 Ain Shams Engineering Journal, Volume 13, Issue 4, 2022, 101679, ISSN 2090-4479. (SCI/Scopus) (Impact Factor 3.180)	Modeling and sensitivity analysis of grid-connected hybrid green microgrid system

6	Sumit Sharma	IETE Technical Review, 39:2, 411-432, 2022 (SCI/Scopus) doi.org/10.1080/02564602.2020.1850367 (Impact Factor 2.200	Microgrids: A Review of Status, Technologies, Software Tools, and Issues in Indian Power Market
7	Sumit Sharma	Wind Engineering (2023), Page 1-16 doi:10.1177/0309524X231169469	Renewable based techno-economic analysis for telecommunication system: A case study of western Himalaya
8	Rajnish	doi.org/10.1007/978-981-99-7383-5_29	Numerical Modeling and Performance Assessment of Machine Learning-Based Solar Photovoltaic Energy Forecasting System
9	Rajnish	DOI: 10.1109/IICPE60303.2023.10474992	Solar Power Forecasting using Machine Learning Approaches : A Review
10	Rajnish	doi.org/10.55766/sujst Vol. 32 No. 1	A GRID SEARCH OPTIMIZED HYBRID MODEL FOR SOLAR IRRADIANCE FORECAST USING EMPIRICAL MODE DECOMPOSITION AND BIDIRECTIONAL GATED RECURRENT UNIT
11	Rajnish	doi.org/10.55766/sujst . Vol. 31 No. 2	PV ENERGY FORECASTING USING DEEP LEARNING ALGORITHM

Paper Publication EE Department (2025-26)

SN	Faculty Name	International journal/ ISSN no	Title of Paper
1	Mr.Rajnish,	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	A Survey of Machine Learning Methods for Solar Power Forecasting
2	Mr.Bhoop Singh	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	A Survey of Machine Learning Methods for Solar Power Forecasting
3	Dr.Vivek Kuma	ISSN (online): 2229 - 667X Volume 17, Issue 1, 2026	A Real-Time Digital Twin and Physics-Guided Deep Learning Approach for Thermal Degradation Prediction and Health Assessment of Multilevel Power Inverters”
4	Mr.Kuldeep Sharma	ISSN (online): 2229 - 667X Volume 17, Issue 1, 2026	A Real-Time Digital Twin and Physics-Guided Deep Learning Approach for Thermal Degradation Prediction and Health Assessment of Multilevel Power Inverters”
5	Mr. Ravinder Singh	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	A Systematic Review of Electric and Conventional Transportation Technologies: Energy Efficiency, Environmental Sustainability, and Future Mobility Perspectives
6	Mr. Ravinder Singh	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	Comparative Analytical Assessment of Conventional and Electric Transportation Systems Based on Energy Efficiency, Environmental Impact, and Operational Performance
7	Mr.Kuldeep Sharma	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	Graph Neural Network-Based Localization and State Estimation Reconstruction in Smart Grids Under Stealthy False Data Injection Attacks
8	Dr. Vivek Kumar	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	Graph Neural Network-Based Localization and State Estimation Reconstruction in Smart Grids Under Stealthy False Data Injection Attacks
9	Dr. Vivek Kumar	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	Techno-Economic Analysis of a 100 kW Grid-Connected Rooftop Photovoltaic System
10	Dr. Vivek Kumar	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	Performance of The Dc Link Capacitor In a Wind Turbine's Double Fed Induction Generator
11	Mr.Rajnish,	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	Solar Power Forecasting using Deep Learning Hybrid GA-CNN Technique
12	Mr.Bhoop Singh	ISSN (online): 2321-774X Volume 14, Issue 1, 2026	Solar Power Forecasting using Deep Learning Hybrid GA-CNN Technique

Paper Publication EE Department (2024-25)

SN	Faculty Name	International journal/ ISSN no	Title of Paper
1.	Dr. Vivek Kumar	2583-1062 Vol.05, issue 08	Classification of Grape Leaf Image Using Machine Learning technique
2	Dr. Vivek Kumar	2582-7421 Vol.6 issue 8	Efficient Enhancement Technique for Grape Leave Image Using Log Ratio Method
3	Kuldeep Sharma	2581-9429 Vol.5 issue 3	Advanced speed regulation of BLDC Motor via Selective Harmonic Elimination-Based Inverter
4	.Kuldeep Sharma	2581-9429 Vol.5 issue 3	Comparative Study of Lithium-Ion Battery Cell Balancing Strategies for Electric Vehicle Systems In MATLAB
5	Rajnish	2581-9429 Vol.5 issue 3	Advanced speed regulation of BLDC Motor via Selective Harmonic Elimination- Based Inverter
6	Rajnish	2581-9429 Vol.5 issue 3	Boost Converter- Based Maximum Power point Tracking of Sola panels using the P&O Algorithm
7	Ravinder Singh	2581-9429 Vol.5 issue 3	Boost Converter- Based Maximum Power point Tracking of Sola panels using the P&O Algorithm
8	Rajnish	2581-9429 Vol.5 issue 3	Comparative Study of Lithium-Ion Battery Cell Balancing Strategies for Electric Vehicle Systems In MATLAB

9	Rajnish	2581-9429 Vol.5 issue 3	A Review: Adaptive Energy Supervisory Module for Optimized Energy Distribution in an Intelligent Microgrid Environment
10	Ravinder Singh	2581-9429 Vol.5 issue 3	A Review: Adaptive Energy Supervisory Module for Optimized Energy Distribution in an Intelligent Microgrid Environment

Faculty Publication EE Department (2023-24)

SN	Faculty Name	ISSN	Title of Paper
1.	Dr. Vivek Kumar	ISSN (online): 2321-774X	.A Comprehensive Review on Renewable Energy in Rural Environment
2	Dr.Vivek Kumar	ISSN(online) :2321-774X	.A Systematic Review on Hybrid Renewable Energy System .
3	Sh.Kuldeep Sharma	ISSN (online): 2321-77	A Comprehensive Review on Green Micro grid with Renewable Energy Sources
4	Bhoop Singh	ISSN (online): 2321-77	.A Comprehensive Review on Green Micro grid with Renewable Energy Sources
	Mr. Ashanand,	ISSN : 2321-774X ISSN: 2456-9348	Machine Learning-Base Enhancement Of Remote Sensing Image Using Hybrid Model
5	Dr. Vivek Kumar	ISSN : 2321-774X ISSN: 2456-9348	Machine Learning-Base Enhancement Of Remote Sensing Image Using Hybrid Model
6	Dr. Vivek Kumar	ISSN (online): 2321-774X	Implementation of metamaterial based electromagnetic absorbers
7	Mr. Rajnish	ISSN 2582-7421	Performance analysis of electromagnetic absorbers
8	Dr.Vivek Kumar	e-ISSN : 2583-1062	. Feasibility analysis of a standalone hybrid renewable energy system with solar, wind, and hydro components
9	Dr.Vivek Kumar	ISSN(online) :2321-774X	Optimal design and sensitivity analysis of hybrid Renewable energy systems for remote locations

10	Sh.Kuldeep Sharma	ISSN 2582-7421	Optimal Sizing and Cost Minimization of Green Micro With Reduction in Environmental Emissions
11	Bhoop Singh	ISSN 2582-7421	Optimal Sizing and Cost Minimization of Green Micro With Reduction in Environmental Emissions
12	Dr. Vivek Kumar	ISSN 2582-7421	Performance analysis of electromagnetic absorbers
13	Mr. Rajnish	ISSN (online): 2321-774X	Implementation of met material based electromagnetic absorbers

Faculty Publication EE Department (2022-23)

Sr. No	Title of paper	Name of the author/s	Name of journal	ISSN number
1	Integration of Solar Power IOT Technology in smart street light with EV charging point	Dr. Vivek Kumar	IJSTM	(ISSN-2321-774X))
2	Advancement in solar powered IOT based street light system	Dr. Vivek Kumar	IJSTM	(ISSN-2349-5162)
3	Review on Less Power Consumption by Noise Tolerant Circuit Technique	Dr. Kuldeep	IJSTM	(ISSN-2321-774X))
4	Congestion Management in hybrid electric Businesses Using Different Technologies	Dr. Kuldeep	IJSTM	(ISSN-2321-774X))
5	Modeling of conventional DC-DC Boost Converter and Modified Sepic Boost Converter Based Grid Connected PV Array System	Mahoob Hassan	IJSTM	(ISSN-2321-774X))
6	A High- Performance Dual- Band Microwave Absorber for Electromagnetic Shielding Application	Dr. Vivek Kumar	IJSTM	(ISSN-2321-774X))
7	FSS Based Absorber for EMI Shielding	Dr. Vivek Kumar	IJSTM	(ISSN-2321-774X))
8	Smart Grids Analysis and Design of Demand Side Management	Dr. Vivek Kumar	IJSTM	(ISSN-2321-774X))
9	Assessment of Different Thermal Expansion Properties	Dr. Vivek Kumar	IJSTM	(ISSN-2321-774X))

11	Optimal Sizing and Cost Assessment of Solar, Wind and Hydro Hybrid Energy System	Dr. Vivek Kumar	(IJSTM)	E-ISSN: 2321-774X
12	Optimal Sizing and Cost Assessment of Solar, Wind and Hydro Hybrid Energy System	Mr. Ashanand	(IJSTM)	E-ISSN: 2321-774X
13	Load frequency control of wind Integrated power systems through Intelligent control techniques	Mr. Rajnish	(IJSTM)	E-ISSN: 2347-2693X
14	Review On Factors Influencing Adoption of Electric	Dr. Vivek Kumar	JETIR)	issn-2349-5162
15	Charge Scheduling Problems in Static and Dynamic Charge of EV Vehicles	Dr. Vivek Kumar	JETIR)	issn-2347-2693
16	A Review on the Development in Hybrid Electric Vehile	Dr. Vivek Kumar	JETIR)	issn-2347-2693

Faculty Publication EE Department (2021-22)

Title of paper	Name of the author/s	Name of journal	ISSN number
A Digital Configurable On-Delay & Off-Delay Timer	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
A Microcontroller Based Industrial Timer	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
A Multiband Terahertz Electromagnetic Absorber	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
A Multiband Terahertz Electromagnetic Absorber	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
A Study of Dual-Band Metamaterial Absorber	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
A Study of Terahertz Metamaterial Absorber	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
A Study of Terahertz Metamaterial Absorber	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Artificial Neural Network Controlled Load Frequency of Wind Integrated Power Systems	Mr. Anil Kumar	IJSTM	ISSN (online): 2321-774X

ESP8266 Based Switching Control using Web Server	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
ESP8266 Based Switching Control using Web Server	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Implementation of Mesh Network Topology using ESP8266	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
Investigating_a_Dual- and_THz_Metamaterial_Abs	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
IoT Based Home Automation with Web Server	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
IoT_Enabled_Multi- Sensory Environment for Rem Monitoring_&_Control	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
IoT_Enabled_Multi- Sensory Environment_for_Re Monitoring_&_Control	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Modelling and Analysing Double Helical Windings Using Finite Element Method	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Modelling of SPHEV Technique for Performance Enhancement of Hybrid Electric Vehicle	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Multi-Sensory_Monitoring_&_Control_using_ESP8 Blynk	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
Multi-Sensory_Monitoring_&_Control_using_ESP8 Blynk	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Network Simulator Analysis of Energy Efficiency of Weight Based Ad-hoc On-Demand Distance Vector	Mr. Anil Kumar	IJSTM	ISSN (online): 2321-774X
NodeMCU Based Mesh Controlled Network	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
NodeMCU Based Mesh Controlled Network	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Node MCU Based Switching Control Using Arduino	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X

IoT Cloud Platform			
Resonance Mode Analysis of an EM Absorber	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
Resonance Mode Analysis of an EM Absorber	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Result Analysis of an Electromagnetic Absorber	Dr. Vivek Kumar	IJSTM	ISSN (online): 2321-774X
Result Analysis of an Electromagnetic Absorber	Mr. Sandeep Kumar	IJSTM	ISSN (online): 2321-774X
Solar Panel Productivity Improvement of Solar Photovoltaic Cell Application Using a Single-Axis Solar Tracking System	Mr. Anil Kumar	IJSTM	ISSN (online): 2321-774X