



**Association of Electrical Sciences**  
**SIDDAGANGA INSTITUTE OF TECHNOLOGY**

**TUMKURU - 572103, KARNATAKA, INDIA.**

(An Autonomous Institute affiliated to Visvesvaraya Technological University, Belgaum.)

Approved by AICTE, Accredited by NBA, New Delhi and ISO 9001-2015 Certified)

**Phone :** Direct 0091-816-2282696, 2214001, (Off.) +91-816-2214000

**Fax :** +91-816-2282994 **Website:** [icseses.sit.ac.in](http://icseses.sit.ac.in)

**ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT**

<b>Sl. No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Presentation</b>
1	113	Performance Evaluation of CoolSiC™ Trench MOSFET Based Buck Converter	offline
2	114	Terminal Voltage Control of BLDC Motor	offline
3	119	An Improved Fuzzy Logic Control Algorithm of Photovoltaic MPPT Incremental Conductance Methodology	online
4	127	Design of Unmanned Aerial Vehicle for Stability	online
5	133	Mathematical Modelling and Simulation of BLDC Motor with Trapezoidal Control Technique	online
6	152	Smart Glove with Gesture Based Communication and Monitoring of Paralyzed Patient	offline
7	164	Analysis and review of various motors used for electric vehicle propulsion	online
8	219	Recent Trends in development of Soft Magnetic Material for Power Electronics Applications: A Review	offline
9	226	Novel Dual Output AC/DC Power Supply using Switched Transformer Forward Converter with active Front End Power Factor Correction	offline
10	231	Harmonic source identification in Microgrid using wavelet time frequency analysis	online
11	265	Control Strategy for Power Sharing in a Micro grid using Wind/Fuel Cell Hybrid System	online
12	284	Sugeno/ Mamdani Interval Type II Fuzzy Logic Controller based DSTATCOM with Controlled Load	online
13	347	Vibration Signal Analysis of Induction Motor Bearing Faults: Some Aspects	online
14	371	Improved SRFT controller based Power Quality Improvement in EV integrated distribution system	online
15	377	A Study on Reinforced Support Vector Machine Classifier for Periodic and Aperiodic Scheduling in Networked Control Systems	online
16	401	Investigation of Power Flow Analysis in Networked Microgrids	offline
17	452	A PF Improved LED Drive using Modified Non-bridged Cuk Converter	online
18	477	Improved short term electrical load forecasting for various regions in India using smart Markov chain based algorithm	online
19	481	Transformerless Dynamic Voltage Restorer based on Switched Capacitor Multi Level Inverter and Interleaved Boost Converter	online
20	489	Intelligent Battery Interfaced Solar PV Powered BLDC Motor Using ANN in MPPT and Regenerative Braking Concept	online
21	497	Forensic Investigation of Drone Malfunctions with Transformer	online
22	508	A Comparative Study of PID Controller and Artificial Neural Network for Load Frequency Control in Hydro Power Plant	online
23	552	A closed-form solution to Estimate Parameters of Three-terminal Hybrid Transmission Lines	offline
24	567	Comparative Review of Various DC-DC converters for Photovoltaic Systems	online



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<b>Sl. No</b>	<b>Paper ID</b>	<b>Paper Title</b>	<b>Presentation</b>
25	581	A review on different acoustic noise and torque ripple lessening techniques of switched reluctance motor	online
26	596	A Novel UAPQC Device for Enhancing Power-Quality in Grid Connected PEV Charging Station	online
27	616	Intelligent Control Strategies for DC-DC Boost Converter: Performance Analysis and Optimization	online
28	630	Design and Control of a 2kW Electric Vehicle Charger.	online
29	639	Experimental Design of Solar Powered Dynamic Wireless Charging of Electric Vehicle	online
30	649	Predictive Analysis of Energy consumption and electricity demand using machine learning techniques	online



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**ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT**

**Track 5 FARADY SEMINAR HALL**

**07.07.2023**

**11.30 pm- 1.00 pm**

Sl no	Paper ID	Title	Presentation
1	226	Novel Dual Output AC/DC Power Supply using Switched Transformer Forward Converter with active Front End Power Factor Correction	offline
2	119	An improved fuzzy logic control algorithm of photovoltaic MPPT incremental conductance methodology	online
3	127	Design of Unmanned Aerial Vehicle for Stability	online
4	133	Mathematical Modelling and Simulation of BLDC Motor with Trapezoidal Control Technique	online
5	164	Analysis and review of various motors used for electric vehicle propulsion	online

**2.00 pm- 3.30p m**

Sl no	Paper ID	Title	Presentation
1	219	Recent trends in development of soft magnetic material for power electronics applications: A review	offline
2	231	Harmonic source identification in Microgrid using wavelet time frequency analysis	online
3	265	Control Strategy for Power Sharing in a Micro grid using Wind/Fuel Cell Hybrid System	online
4	284	Sugeno/ Mamdani Interval Type II Fuzzy Logic Controller based DSTATCOM with Controlled Load	online
5	347	Vibration Signal Analysis of Induction Motor Bearing Faults: Some Aspects	online

**4.00 pm- 5.30p m**

Sl no	Paper ID	Title	Presentation
1	152	Smart Glove with Gesture Based Communication and Monitoring of Paralyzed Patient	offline
2	371	Improved SRFT controller based Power Quality Improvement in EV integrated distribution system	online
3	377	A Study on Reinforced Support Vector Machine Classifier for Periodic and Aperiodic Scheduling in Networked Control Systems	online
4	452	A PF Improved LED Drive using Modified Non-bridged Cuk Converter	online
5	477	Improved short term electrical load forecasting for various regions in India using smart Markov chain based algorithm	online

# International Conference on Smart Systems for applications in Electrical Sciences [ICSSES-2023]



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### ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT

#### Track 5 FARADAY SEMINAR HALL

08.07.2023

9.00 am- 10.30am

Sl no	Paper ID	Title	Presentation
1	114	Terminal Voltage Control of BLDC Motor	offline
2	481	Transformerless Dynamic Voltage Restorer based on Switched Capacitor Multi Level Inverter and Interleaved Boost Converter	online
3	489	Intelligent Battery Interfaced Solar PV Powered BLDC Motor Using ANN in MPPT and Regenerative Braking Concept	online
4	497	Forensic Investigation of Drone Malfunctions with Transformer	online
5	508	A Comparative Study of PID Controller and Artificial Neural Network for Load Frequency Control in Hydro Power Plant	online

11.00 am- 12.30pm

Sl no	Paper ID	Title	Presentation
1	113	Performance Evaluation of CoolSiC™ Trench MOSFET Based Buck Converter	offline
2	401	Investigation of Power Flow Analysis in Networked Microgrids	offline
3	567	Comparative Review of Various DC-DC converters for Photovoltaic Systems	online
4	581	A review on different acoustic noise and torque ripple lessening techniques of switched reluctance motor	online
5	596	A Novel UAPQC Device for Enhancing Power-Quality in Grid Connected PEV Charging Station	online

2.00 pm- 3.30pm

Sl no	Paper ID	Title	Presentation
1	552	A closed-form solution to Estimate Parameters of Three-terminal Hybrid Transmission Lines	offline
2	616	Intelligent Control Strategies for DC-DC Boost Converter: Performance Analysis and Optimization	online
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