



ICSCC  
2025

# 2025 11<sup>th</sup> International Conference on Smart Computing and Communications

3 - 5 July, 2025

Venue: Muthoot Institute of Technology and Science, Kochi, India

## Day 2: 04.07.2025 (Friday)

ICSCC 2025  Paper Presentations		
<b>Track 6: Power Systems, Energy Systems and Power Electronics</b>		
<b>Session 1</b>		
Date: 04.07.2025		
Time: 10.00 AM - 12.30 PM (IST)		
Session Manager: Ms. Jeanmary Jose		
Email: <a href="mailto:jeanmaryjose@mgits.ac.in">jeanmaryjose@mgits.ac.in</a>		
Venue: M309, Muthoot M George Block		
Paper ID	Title & Authors	Date & Time
136	Digital implementation of PMDC motor-generator based Solar PV Emulator <i>Midhu Das B., Arun Rahul S.</i>	04.07.2025 10.00AM-12.30PM (IST)
762	Enhancing Solar Power Harvesting in Island Nations: A Data-Driven Approach Towards MPPT Selection <i>Dhinu Lal M, Ramesh Varadarajan</i>	
849	Modelling and Simulation of a Quadruplex Coil PMSM Drive for Position Control System of Launch Vehicles <i>Sankaranarayanan R, Dr. Anish Gopinath, Mrs. Annie B.V, Dr. Mini V. P</i>	
883	Simulation Analysis of a 3 $\phi$ AC Solid State Circuit Breaker Using IGBT <i>Maria Johnson, Razila K. R., Kavya Pramod M, Ayisha J</i>	
1005	Peak Power Tracking in Solar PV Systems using ML and P&O Algorithm <i>Athul Ranjith, Alan Vincent, Naveen Johny, Karthik M B, Naveen Jacob</i>	
1235	Universal Power Electronic Interface in Residential DC Microgrids <i>Shiji S., Dr. Mini V.P., Prof. Annie B.V</i>	
1238	Hybrid FOC-DTC Controller for Optimized Speed and Torque Regulation of PMSM <i>Austin Johns, Dr. Kumaravel S, Vishnu M</i>	

1266	Robust Position Control of a DC Servo Using State Feedback Super-Twisting Sliding Mode Control <i>Jim George</i>	
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