



**MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY**

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Kalitheerthalkuppam, Puducherry - 605107



## INTERNATIONAL CONFERENCE ON SYSTEM, COMPUTATION, AUTOMATION AND NETWORKING – ICSCAN 2023

### EEE Track 1: Electrical and Instrumentation → Intelligent Power / Optimization / Electrical Drives and Control / Control System and Robotics

**Staff Incharge : Dr. K. Sedhuraman**

**Ph : 9092882883**

**Date/Session : 17.11.2023 / FN**

**Session Chair : Dr.A.Venkatesan, NIT, Karaikal**

S.NO	Paper ID	Title of the Paper	Author Details
1.	154	DESIGN OF ENERGY EFFICIENT BLDC MOTOR PUMP FOR AGRICULTURE APPLICATIONS	RICHARD PRAVIN A, FRANKLIN J, DR. R K PONGIANNAN
2.	159	A COMMON GROUND BRIDGELESS BUCK BOOST PFC CONVERTER WITH NEGATIVE DC OUTPUT VOLTAGE BASED ON BOARD BI DIRECTIONAL CHARGER FOR ELECTRIC VEHICLES	M.BHARATHIRAJA
3.	208	COMPARATIVE ANALYSIS OF PEAK-LIMITING STRATEGIES EMPLOYED IN A HOME ENERGY MANAGEMENT SYSTEM	SANDEEP KAKRAN
4.	332	ANALYSIS OF TRIE-BASED LAN FILE SEARCH ENGINE	DR.C.SHANMUGASUNDRAM
5.	175	SMART DEVICE FOR VEHICLE TO EVADE CALAMITIES IN SMOG	P. MAHENDRA PERUMAN
6.	231	A COST-EFFECTIVE NAVIGATIONAL AID FOR THE VISUALLY IMPAIRED	A.PONSHANMUGAKUMAR
7.	333	SMART IOT BASED WATER MONITORING AND CONTROL SYSTEM	A VIJAYALAKSHMI
8.	59	PERFORMANCE ANALYSIS OF QUADRATIC BUCK-BOOST CONVERTERS: A COMPARATIVE STUDY	PRIYA R



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**INTERNATIONAL CONFERENCE ON SYSTEM, COMPUTATION, AUTOMATION AND NETWORKING – ICSCAN 2023**

**Track 2 : Power System and Renewable Energy**

**Session Chair : Dr.S.Hemamalini, Professor/EEE, VIT, Chennai**

**Staff Incharge: Mrs.R.Priya**

**Ph.No : 9994132524**

**Date/Session : 17.11.2023/AN**

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2.	306	INVESTIGATIONS ON WIND DRIVEN PMSG BASED POWER GENERATION SCHEME FOR TELECOM TOWER	GOPINATH A
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7.	219	SMART MONITORING OF DC POWER IN E-VEHICLES AND REGENERATIVE CHARGING TECHNIQUE	NANDHINI G
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9.	311	ESTIMATION OF TRANSFORMER INSULATION PROPERTIES UNDER DIFFERENT NANOPARTICLE CONCENTRATIONS USING CURVE FITTING METHODOLOGY	BALAMURUGAN R
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**INTERNATIONAL CONFERENCE ON SYSTEM, COMPUTATION, AUTOMATION AND NETWORKING – ICSCAN 2023****EEE TRACK 3**

Track 3 : Electrical and Electronics Engineering/ Power System &amp; Electrical Drives and Control

Staff Incharge : Dr.K.Sedhuraman, ASP/EEE

Date/Session : 18.11.2023/FN

Session Chair : Dr.A.Venkatesan, NIT, Karaikal

S.NO	Paper ID	Title of the Paper	Author Details
1.	334	HARMONIC MITIGATION USING HIPULSE RECTIFIERS IN INDUCTION MOTOR DRIVE	SEDHURAMAN K
2.	148	OPTIMIZING ENERGY EFFICIENCY THROUGH HYBRID AC/DC TOPOLOGIES FOR RURAL ELECTRIFICATION	PRIYA R
3.	158	ROTOR DESIGN AND MODELING FOR SWITCHED RELUCTANCE MOTOR TO MINIMIZE TORQUE RIPPLES	PRIYA R
4.	361	FUZZY ADAPTIVE MULTIMODEL BASED ENHANCED PID CONTROLLER WITH KICK ELIMINATION FOR SMOOTH POWER CONTROL OF PRESSURIZED WATER REACTOR	GOVINDAN V
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