

2021 IEEE International Power And Renewable Energy Conference



20
21

IPRECON 2021 TRACK SCHEDULE

DAY 1 24th September 2021

Track 1: Power Electronic Converters and Control Systems

Session Chair: Nabil Mohammed

Ph.D.Scholar, Monash University Australia

Time	Paper ID	Authors	Paper Title
9:30 AM	14	Gottapu lithesh Krishna Bekkam Karthikeyan V	Review and Comparative Study of Bi-Directional DC-DC Converters
9:45 AM	47	Merril Lazar Shreelakshmi MP	Efficient Bidirectional DC-DC Converter using Digital Adaptive Frequency Modulation

10:00 AM 52
Rohming tluanga
Subir Datta
Nidul Sinha

Study of SCADA based Existing Water Treatment Plant- GAWSS Phase-I in Mizoram, India

10:15 AM 59
Sivaprasad Athikkal
Trisha Mandal
Gayathri S
Vipul Kumar Tirkey
Joseph Peter

A Transformerless Two Input Two Output DC-DC Step up Converter

10:30 AM 119
Rubell Goopta
Avik Bhattacharya

Reduced Switch 13 Level Inverter for Grid-Connected Applications

10:45 AM 169
Mohammad Afkar
Seyyed Amin Sadat Sakkak
Roghayeh Gavagsaz-Ghachani
Matheepot Phattanasak
serge pierfederici

Operation and Analysis of a Modular Converter for Photovoltaic or Fuel cell systems

9:45 AM 177
Pratinav Kashyap
Prabhakar M

Non-isolated High Step-up DC-DC Converter with Low Input Current Ripple

Track 2: Electric Machines & Drives and Power Quality Issues

Session Chair 1: Antony Peter

Research Scholar, APJ Abdul Kalam Technological University

Session Chair 2: Vidya Valson

Time	Paper ID	Authors	Paper Title
09:30 AM	30	Sivaprasad Athikkal Trisha Mandal Gayathri S Vipul Kumar Tirkey Joseph Peter	Evaluation of Predictive Torque Controlled Two-level and Multi-level Permanent Magnet Synchronous Motor Drive for Electric Vehicles
09:45 AM	50	CATHERINE THOMAS BINDU G R	A Control Strategy for the Mitigation of Rotor Vibration in a Three Phase Induction Motor
10:00 AM	51	Raja Ram Kumar Chandan Chetri PRIYANKA DEVI Ankita Kumari Dr. KUNDAN KUMAR Saket RK	Electromagnetic Feature Study of a Novel Dual-Stator Five-Phase Spoke-Type Permanent Magnet Motor for Electric Vehicles Application

Joseph Peter
Ansh Yadav
Soumyadip Sarojkumar
Protik Pandey
SIVAPRASAD A

Space Vector PWM Based Vector Control in an Electric Vehicle with Induction Motor Drive

Wasiq Ullah
Faisal Khan
Shahid Hussain
Bakhtiar Khan
Muhammad Umair
Tauseef Hamid

Torque performance in Novel H-type Modular Stator Consequent Pole Permanent Magnet Machine with 3rd harmonic shaped rotor

Wasiq Ullah
Faisal Khan
Shahid Hussain
Bakhtiar Khan
Muhammad Umair
Tauseef Hamid

Co-Simulation of a Surface-Mounted Permanent Magnet Synchronous Motor Drive using Finite Element Method

Basharat Ullah
Faisal Khan
Muhammad Qasim
Himayat Jan
Bakhtiar Khan
sumeet khalid

Design and Electromagnetic Performance Analysis of Linear Hybrid Excited Flux Switching Machine for Long Stroke Applications

Juan Trelles-Molina
Daniel Ortuño-Gonzalez
Regulo Rosado Romero
Esteban Fernandez
Ariel Berrueto-Garza

Harmonic Filtering Scheme Selection Based on Diagnosis with Independent Component Analysis

10:15 AM

65

10:30 AM

84

10:45 AM

101

11:00 AM

110

11:15 AM

53

Track 3: Renewable Energy Resources (24th September 2021)

Session Chair 1: Raju Manuel

Ph.D. Scholar, Karpagam University, Coimbatore

Session Chair 2: Robins Anto

Research Scholar, IIT Roorkee

Time	Paper ID	Authors	Paper Title
09:30 AM	17	Sivaprasad Athikkal Trisha Mandal Gayathri S Vipul Kumar Tirkey Joseph Peter	Cascaded PI Controller based Wind Turbine Generator System for Battery Charging Applications
09:45 AM	37	Md. Nazibul Hasan Yusri Md. Yunos M. Mohamed Ali	Structural Optimization of a Bismuth Telluride-Based Thermoelectric Generator Using Finite Element Analysis
10:00 AM	46	Raja Ram Kumar Chandan Chetri PRIYANKA DEVI Ankita Kumari Dr. KUNDAN KUMAR Saket RK	Hybrid Algorithm for Optimal Improvement of a Distribution System Resiliency using Renewable Energy Resources: Case Colombia

Track 4: Electric Vehicles

Session Chair 1: Lallu Mol K Johny

Ph.D Scholar, APJ Abdul Kalam Technological University

Session Chair 2: Sanoop P S

Ph.D Scholar, National Institute Of Technology Calicut

Time	Paper ID	Authors	Paper Title
01:30 PM	23	Mridula Chandrakar Harshitha B Praveen Malipatil Sahana T S Raghunath M J Anoop H A	Techniques to Reduce Voltage Instability of Power System caused due to Charging of EV : A Review
01:45 PM	48	Devansh Gautam Gulshan Kumar Pawan Kumar	Optimal Charging Schedule for Electric Vehicles in a Microgrid with Renewable Energy Sources using DigSilent Power Factory and Matlab
02:00 PM	56	Hengrong Zhang Yunqi Wang Jing Qiu Xiao Han	A Multi-Objective Planning for Fast-Charging Station and Distributed Renewable Resource under Environmental Impacts

02:15 PM	60	Ramya S Divya S Chandasree Das	Multiphase Bidirectional DC-DC Converter with Phase shedding for BLDC Driven Electric Vehicle
02:30 PM	80	Chandasree Das Jesus Linares Flores Carlos Garcia Rodríguez Jesus Salazar Oropeza Oscar Ramírez Cárdenas	Electronic Differential Based On Active Disturbance Rejection Control For a Four In-Wheel Drive Electric-Vehicle (Go-Kart)
02:45 PM	106	S V S Phani Kumar Ch Dr. Sachin Jain	Kim-Sul Algorithm Based FOC for Electronic Pole Changing Induction Motor Drive in EV Applications

Track 5 : Distributed Generation and Grid Interconnection

Session Chair 1: Konrad Erich Kork Schmitt

Ph.D.Scholar, TexasTechnical University

Session Chair 2: Ibrahim A Ibrahim

Ph.D.Scholar, Macquarie University, Australia

Time	Paper ID	Authors	Paper Title
01:30 PM	49	Lida Raj Arun L	Performance Analysis of a Modified Direct Power Controlled Photovoltaic System Connected to a Weak AC Grid

01:45 PM	58	Jayakumar P Ansu Bijoy Haripriya MD Maneesha Mohan Samanya Subash	Intelligent Grid Tie Module for Phase Balancing in Microgrid
02:00 PM	113	Sreedhar Bharadwaj Pamula Venkata Hiralal Suryawanshi Pratik Nachankar	Renewable Interfaced Active Power Filter for Load Compensation and Real Power Injection
02:15 PM	222	Anagha Bhattacharya Debashis Chatterjee Swapan Kumar Goswami	A Novel MultiObjective Control of Microgrid with Battery Enabled Hybrid Sources.
02:30 PM	243	KENENNA IGWEH Kazeem Bakare	Islanding detection for grid integrated distributed generation using adaptive neuro-fuzzy inference system
02:45 PM	246	Rohini Sharma Seema Kewat Bhim Singh	Adaptive Control of PV-WGS-DG Based Grid Interactive Microgrid with Mode Transfer Capability

03:00 PM

261

Shalvi Tyagi
Seema Kewat
Bhim Singh
Tapas Mallick
Aritra Ghosh

Seamless Transfer with Multi-functional Capabilities of Solar Photovoltaic Based Grid Interactive Microgrid

Track 6: Energy Storage & Battery Charging Techniques

Session Chair 1: Jyothi Gupta

Ph.D. Scholar ,Sardar Vallabhbhai National Institute of Technology

Session Chair 2: Ujjval B Vyas

Ph.D. Scholar ,Sardar Vallabhbhai National Institute of Technology

Session Chair 3: Saritha Jayaraj

Ph.D Scholar ,APJ Abdul Kalam Technological University

01:30 PM

33

Rais Beaurel Danchi
Feujio
Shilei Xu

Minimizing Eddy Current Effects in a Hybrid Thrust Magnetic Bearing

01:45 PM

55

MULLAPUDI VIGNAN
Hema Parameswara Iyer

Implementation of Variable Duty Ratio Reflex Charging of Li-ion Batteries

02:00 PM

63

Dr. M. VeeracharyUz-mah Javed

ZVT Boost Converter Integrated with Charging and Discharging Topologies

02:15 PM	76	Mansoureh Zangiabadi	Analysis the impact of Energy Storage a shared asset between DC Railway Network and Electricity Distribution Nework
02:30 PM	81	Aditi Singh	CUK Converter Controller Design, Modelling and Tuning for Solar Bat- tery Charger System
02:45 PM	125	Chalukya Bhat Janamejaya Channegowda VICTOR GEORGE shilpa chaudhari Kali Naraharisetti	Investigation of Cell to Cell Gap During Onset of Thermal Runaway Within Lithium-ion Battery Pack
03:00 PM	131	Mohamed Mohamed	Analysis and Design of Battery Con- troller for More Electric Aircraft Application
03:15 PM	227	Kavita Prasad Vivek Agarwal	A Novel Dual-LCC Hybrid Compensa- tion Network for High-Efficiency CC-CV Wireless Charging of an EV Battery considering Weak Communi- cation

03:30 PM	241
----------	-----

Shailendra Kumar
Dulichand Jaraniya
Bhim Singh

Microgrid Integrated Charging Infrastructure with PV Array and Seamless Grid-Hydro Generator Synchronization for Rural and Hilly Areas

DAY 2 25th September 2021

Track 7 : Power Electronic Converters and Control Systems

Session Chair 1: Jyothi Gupta

Ph.D. Scholar, Sardar Vallabhbhai National Institute of Technology

Session Chair 2: S.-Vimala Gayathri

Ph.D Scholar, Vellore Institute Of Technology Chennai

09:30 AM	196
----------	-----

BELMONT SHEKIN B
BIJU K

A Multi-Input Switched Capacitor Bidirectional DC-DC Converter with Triple Closed Loop Control for Electric Vehicle Application

09:45 AM	213
----------	-----

AMRITHA MENON
Sukesh A

PV-Grid Integrated System with Single Stage Switched Boost Inverter for Irrigation Application

10:00 AM	255
----------	-----

Sayandev Ghosh
Bhim Singh

Optimized Modulation Scheme for Dual Active Bridge Converter Using Accurate Harmonic Model

10:15 AM	262	Doğan ÇELİK Mehmet Emin MERAL	An overvoltage and undervoltage prevention control for superconducting magnetic energy storage based power converter connected to a weak grid
10:30 AM	266	HANUMANTHU RAVI TEJA Sourav Bose PRAKASH DWIVEDI	A Single Stage Three Phase Bidirectional Rectifier With Power Electronic Star-Star Connection Transformer)
10:45 AM	267	Sourabh Jain Shailendra Sharma	Design and Control of Smart Loads using Improved Adaptive based P-Q Control
11:00 AM	273	Minu Martin	Improved Droop Control Methods for Load Sharing in a Solar PV Low Voltage DC Microgrid

Track 8 : Electric Machines & Drives and Power Quality Issues

Session Chair 1: Antony Peter

Ph.D. Scholar, APJ Abdul Kalam Technological University

Session Chair 2: Ruby Vincy

Ph.D. Scholar, Vellore Institute Of Technology Chennai

09:30 AM	112	Muhammad Qasim Faisal Khan Basharat Ullah Noman Ullah Himayat Jan Shahid Hussain	Electromagnetic Performance Analysis of Linear Hybrid Excited Flux Switching Machine with Ferrite Magnets
09:45 AM	121	Muhammad Qasim Faisal Khan Basharat Ullah Noman Ullah Himayat Jan Shahid Hussain	Design and Analysis of Double-Sided Linear Hybrid Excited Flux Switching Machine with Yokeless Mover
10:00 AM	152	Hamid Ali Khan Faisal Khan Abbottabad Irfan Sami Naseer Ahmad	Suppression of Permanent Magnet Eddy Current Loss in High-Speed Machines
10:15 AM	173	Satish Kumawat Sandesh Bhaktha Gangadharan KV	Enhancing Torque performance with Dual Teeth Switched Reluctance Motor: A Novel Approach
10:30 AM	189	Veena Wilson Latha P.G.	Performance Analysis of SRM with Two Stage Commutation for Effective Vibration Reduction

10:45 AM	237	Mohd Kashif Bhim Singh	Design of an Energy Efficient Reverse-Saliency Interior PM Motor with Multi-Barriers Based on Flux-Intensifying Effect for Solar Water Pumping
----------	-----	---------------------------	--

Track 9 : Renewable Energy Resources

Session Chair 1:Raju Manuel

Ph.D Scholar, Karpagam University,Coimbatore

Session Chair 2: Ms. Soniya Vijayakumar

Ph.D Scholar, German Research Center for AI

09:30 AM	123	Mohammad Afkar Roghayeh Gavagsaz Matheepot Phattanasak serge pierfederici	Large-signal average modeling of 2-module Converter for renewable energy applications
----------	-----	--	---

09:45 AM	124	Hossain Mohammad Arshad Mohiuddin Ahmad Md. Motiur Rahman	Economic Analysis of a Net Metering Rooftop Solar PV System and Assessment of CO2 Emission Reduction
----------	-----	--	--

10:00 AM	132	Pemendra Pardhi Shailendra Sharma Rakesh Saxena	Enhanced TOGI Controller for Single-stage Single Phase Grid-tied Solar PV Supply System
----------	-----	---	---

10:15 AM	138	Abhrodip Chaudhury Venu Sonti Anmol Saxena	A New Single-Phase Nine-Level Cascaded Multilevel Inverter for Alleviation of Leakage Current in Grid Connected PV Systems
10:30 AM	149	REJO ROY ALBERT JOHN VARGHESE Dr. Shambhu Ratan Awasthi	Comparative Study of Genetic Algorithm v/s Genetics Based Harmony Search Algorithm for Short Term Wind Power Forecasting
10:45 AM	150	ALBERT JOHN VARGHESE REJO ROY Dr. Shambhu Ratan Awasthi	Intelligent Control Of Small VAWT Based WECS for Low Wind Speed Regions Using Advanced Hill Climb Search MPPT and BELBIC Controller
11:00 AM	151	Bhumika Agarkar Dr. Subhojit Ghosh Dr. Sachin Jain K Rao	Power Management of Photovoltaic Battery Standalone system using Fractional order PI Controller
11:15 AM	155	Bapayya Naidu Kommula Venkata Reddy Kota Narasareddy T	Maximum Power Point Tracking for Photovoltaic Brushless DC Motor Connected Water Pumping System Based on GBDT-BOA Technique

Track 10 : Electric Vehicles

Session Chair 1:Lallu Mol K Johny

Ph.D. Scholar, APJ Abdul Kalam Technological University

Session Chair 2: Athul Vijay

Ph.D Scholar National Institute of Technology Surat

Time	Paper ID	Authors	Paper Title
01:30 PM	137	Bharath kumar V SINDHU M R	EV Charger Power quality Improvement using Synchronous rectified Bridgeless CUK Converter
01:45 PM	143	Mohanrajan .S .R Suryakant Kuvalakar	PMSM Torque Ripple Reduction in Electric Vehicle using Neural Network
02:00 PM	166	DHARAVATH KISHAN marupuru vinod Nagendrappa H B Dastagiri Reddy	Comparative Analysis of Symmetrical and Asymmetrical Phase Shift Control Strategy for Resonant Wireless Inductive Charging System

02:15 PM	183	Afwan Shaikh Meera Murali Milan Rajne	Data Acquisition and Signal Processing System for Electric Powertrain Performance, Mileage and Drive Cycle Analysis for Electric Two and Three Wheelers
02:30 PM	220	Shijil P SINDHU M R	Braking control strategies based on single-pedal regenerative braking and neural network for Electric Vehicles

Track 11 : Microgrid & SmartGrid

Session Chair 1:Konrad Erich Kork Schmitt

Ph.D. Scholar, Texas Technical University

Session Chair 2:Ibrahim A Ibrahim

Ph.D Scholar Macquarie University, Australia

01:30 PM	11	Kamalika Banerjee Sawan Sen SANDIP CHANDA Samarjit Sengupta	A Review on Demand Response Techniques of Load Management in Smart Grid
01:45 PM	19	Yuechuan Tao Jing Qiu Shuying Lai Yunqi Wang Xianzhuo Sun	Energy Management Strategy of Micro-grids in Joint Energy, Reserve and Regulation Markets based on Non-intrusive Load Monitoring

02:00 PM	36	Rahul Rane Maitraya Desai Abhishek Pandey Dr. Faruk Kazi	Energy Consumption Forecasting using a Deep Learning Energy-Level Based Prediction
02:15 PM	44	Ehsan Naderi Arash Asrari	Experimental Validation of Grid-Tied and Standalone Inverters on a Lab-scale Wind-PV Microgrid
02:30 PM	75	NARMADA A Pavitra Dummawad Madhu Narasagondar Manjula Betadoor Anupama R Itagi Itagi	Effect of load sharing between parallel connected Choppers on efficiency of the system for unequal line resistances
02:45 PM	89	Md. Sazal Miah Shikder Shaiful Bashar	Feasibility of Smart Power Grid in Bangladesh-A Part of Next-Generation Smart City Planning
03:00 PM	94	G saikrishna tukaram moger	Modelling and Analysis of PV array Connections Under Non-Uniform Irradiance Conditions

Track 12 : Electric Vehicles

Session Chair 1: Ameen Beevi A

Ph.D. Scholar, APJ Abdul Kalam Technological University

Session Chair 2: Chempak Kumar A

Ph.D. Scholar, University Of Kerala

Time	Paper ID	Authors	Paper Title
01:30 PM	129	AMILARASAN THIYAGAR Suganyadevi M.V KARUPPA SAMY A venkadesan A	Performance investigation of SVR for evaluating Voltage Stability Margin in a power utility
01:45 PM	130	Ghanishtha Bhatti Raja Singh R	Intelligent Fault Diagnosis Mechanism for Industrial Robot Actuators with Digital Twin Technology
02:00 PM	135	SHARMILA P Brindha Devi V Akshaya YK Mallika Das Anita shalu K R	VOTING BOOTH HELPER SYSTEM USING MACHINE LEARNING

02:15 PM	176	<p>Dr. Nonita Sharma Monika Mangla Georgios Tsaramirisis Dr.Sachinandan Mohanty</p>	Supervised Learning Techniques for Sentiment Analysis
02:30 PM	199	<p>Brindha Devi V SHARMILA P Meenaloshini Vijayalakshmi P Nandhini J</p>	Allocation of Vehicle Based on the Availability Using Machine Learning
02:45 PM	83	<p>Sazzad Yousuf Sourab Hasibur Rahman Rakibul hasan Tahsin Masruf</p>	Diagnosis of COVID-19 from Chest X-Ray Images Using Convolutional Neural Networking with K-Fold Cross Validation
03:00 PM	218	<p>Hitesh Bandari Binoy Nair</p>	An End to End Learning based Ego Vehicle Speed Estimation System

DAY 3 26th September 2021

Track 13 : Renewable Energy Resources

Session Chair 1: Raju Manuel

Ph.D .Scholar, Karpagam University, Coimbatore

Session Chair 2: Robins Anto

Research Scholar, IIT Roorkee

Mohammad Afkar
Amin Yousefi
Roghayeh Gavagsaz
Matheepot Phattanasak
serge pierfederici

Investigation of three-module con-
verter structure in photovoltaic sys-
tems

AKASH SONI
Anamika Yadav

Fault Detection and Classification of
Grid Connected Wind Farm (DFIG)
Using Fuzzy Logic Controller

Vijith K
Rahul Hossain
Rahul Hossain

Solar Energy based EV Charging Sta-
tion With Added Battery Storage
System

Ravi Ranjan
Kapil Upamanyu
Kapil Upamanyu

Real-Time Simulation of Wind Tur-
bine Driven Grid-Connected Induc-
tion Generator on DSP Platform

B Rajanarayan Prusty
Debesh Tripathy

Comparison of Photovoltaic Gener-
ation Uncertainty Models for Power
System Planning Using Regression
Framework

09:30 AM

156

09:45 AM

178

10:00 AM

191

10:15 AM

194

10:30 AM

264

10:45 AM	265	Kiran Y M Srirama Srivastava	A Simple Approach to Model Photo-voltaic Module using Solver Utility of Microsoft Excel
11:00 AM	268	Subhranshu Pati Umamani Subudhi	Frequency Regulation of Solar-Wind integrated multi Area System with SMES and SSSC

Track 14 : Electric Vehicles

Session Chair 1: Lallu Mol K Johnny

Ph.D. Scholar APJ Abdul Kalam Technological University

Session Chair 2: Kripalakshmi Thiagarajan

Research Scholar ,Vellore Institute Of Technology, Chennai

09:30 AM	240	Peter Abraham	Ultracapacitor based constant torque regenerative braking system for a brushless DC motor
09:45 AM	253	Biswajit Saha Bhim Singh	SMO Based Position Sensorless BLDC Motor Drive Employing Canonical Switching Cell Converter For Light Electric Vehicle

10:00 AM	254	Gaurav Kumar Bhim Singh	Dual-Input Single-Stage Isolated Charger for Light Electric Vehicles
10:15 AM	256	Saran Chaurasiya Bhim Singh	A 20kW Three Phase Off-Board Charging System with Multiple Outputs for Wide Variety of EVs
10:30 AM	258	Geo Manoj Vaishnavie S Nikhil Joy Caroline Sam	Energy Management and Hybridization of Nissan Leaf using Switched Capacitor Converter and Ultra-Capacitor
10:45 AM	270	Tanmay Shukla	A Single-Stage Sepic and Buck-Boost Converter based Isolated Charging Systems for Electric Vehicles

Track 15 Microgrid & SmartGrid and Power Quality Issues

Session Chair 1: Konrad Erich Kork Schmitt

Ph.D. Scholar, Texas Technical University

Session Chair 2: Ibrahim A Ibrahim

Ph.D scholar, Macquarie University Australia

10:00 AM	158	PAVITRA SHUKLA Bhim Singh	Seamless Mode Shifting of Double-Stage Solar PV System Interfaced to the Utility Grid
10:15 AM	115	Erna Megawati Manna Dedy J Haning Gus Firman	Pre-Feasibility Study: Microgrid Solar Solution for Indigenous Village (Kampung Adat) Ubu Oleta in Sumba Island, Indonesia
10:30 AM	133	Ryo Miyara	Control Strategies for energy management of MMC-MTDC smartgrid
10:45 AM	134	SUSHMITA KUMARI Hiralal Suryawanshi GOVIND DEVASUTH Pratik Nachankar	A Fuzzy Logic Based Load Shedding Approach for Islanding Mode of Microgrid
11:00 AM	136	farheen chishti Bhim Singh	Utility/DG Set Synchronization Capability of Wind-PV-BES Supported 3Ph-4Wire AC Microgrid

11:15 PM	251	CH Naga sai kalyan	Water Cycle Algorithm based Intelligent Controller for Frequency Regulation of Dual Area Hybrid System with Time Delays
11:30 PM	252	CH Naga sai kalyan	Determination of appropriate GRC Modelling for Optimal LFC of Multi Area Thermal System
11:45 PM	257	Kripa Tiwari Seema Kewat Bhim Singh	Microgrid Integrating Hybrid Power Generation and Energy Storage

Track 16: Artificial Intelligence Techniques & Deep Learning

Session Chair 1: Ameena Beevi

Ph.D. Scholar, APJ Abdul Kalam Technological University

Session Chair 2: Hariharan R L

Ph.D Scholar Scholar, National Institute Of Technology, Surathkal

Session Chair 3: Chempak Kumar A

Ph.D Scholar Scholar, University Of Kerala

Time	Paper ID	Authors	Paper Title
01:30 PM	225	Sabeena M	Digital Image Forgery Detection Using Local Binary Pattern (LBP) and Harlick Transform with classification

01:45 PM	263	Debesh Tripathy B Rajanarayan Prusty Kishore Bingi	Probabilistic Ambient Temperature Forecasting Using Quantile Regression Averaging Model
02:00 PM	271	Kavya Raveendran Ann Laverene Lopez Haripriya N A Sandra Baby Priya C V	Water quality prediction system using LSTM NN and IoT
02:15 PM	274	Priya C V	Behavioral Biometrics based Authentication System using MLP-NN and MVPA
02:30 PM	219	Binoy Nair Sudheer Dunna Manoj Panda	A Deep Learning based system for fast detection of obstacles using rear-view camera under parking scenarios
02:45 PM	244	Arya K K R M Vijaya Chandrakala	Machine Learning Based Prediction and Forecasting of Electricity Price During COVID-19

Track 17: Communications & Allied

Session Chair: Jihas Khan

Ph.D. Scholar, National Institute Of Technology, Calicut

Time	Paper ID	Authors	Paper Title
01:30 PM	104	MANJULA S KOUSHIK RAM C JAYA KANTHAN K MUNISH KARTHICK P	Development Of GPS Based Real Time Dynamic Traffic Management System Using IOT
01:45 PM	54	Ghanishta Bhatti Raja Singh R	Design of Cubic Dielectric Resonator Antenna
02:00 PM	107	SHARMILA P Brindha Devi V Akshaya YK Mallika Das Anita shalu K R	Power System Harmonics Estimation using R Adaptive Variational Bayesian Kalman Filter

02:15 PM	117	CHAYANIKA SHARMA BABAK MONTAZER UTPAL SARMA	Parameter optimization of a gas sensing chamber for the detection of Volatile Organic Compounds using Finite Element Method
02:30 PM	186	SUVETA YADAV Nivetha K M Rohith Mathew Salman Faris Caroline Ann Sam Sreekumar G	Network of Outdoor Air Purification Systems; Air Quality Measurement Analysis and Display Systems using Mesh Network Topology
02:45 PM	272	Anish M S	WeCare i-Board : A Tangible User Interface for Communication

Track 18: Surveillance and Monitoring

Session Chair 1: Elangovan K

Ph.D. Scholar, Indian Institute Of Space Science And Technology,
Trivandrum

Session Chair 2: Sabeena K

Ph.D. Scholar APJ Abdul Kalam Technological University

Time	Paper ID	Authors	Paper Title
01:30 PM	174	sofia banu Teena Johnson Tukaram Moger	A Comparative Study of Bayesian based filters for Dynamic State Estimation in Power Systems

01:45 PM

181

SUBRAMANIAN S V
MANJULA S
RAHUL T R
RAMALINGAM R

INTEGRATED REAL-TIME TRACKING
OF CAR PARKING SLOTS

02:00 PM

206

Ravishankar P C
Sharmila Suttur C

IoT BASED SYSTEM FOR HOME
MONITORING OF HUMAN VITAL
SIGNS

02:15 PM

223

Dr. Sheeba R
Anoop Kumar
Anusree Mohan
Arunjith M
Joseph Jose
AJITH NAIR
Aswin U
Joys Joseph
Nadera Beevi S
Amal S

Real-time Monitoring of Energy
Meters Using Cloud Storage