

## PROGRAM SCHEDULE

<b>Day 1: 21<sup>st</sup> October, 2022</b>		<b>Venue: 1009</b>
Invocation	Ms. Sushma III Year, IT	10.00 – 10.02 AM
Welcoming Dignitaries to the Dias	Dr. Rajat Kumar Assistant Professor, EEE	10.03 – 10.05 AM
Lighting the Lamp	Dignitaries	10.06 – 10.10 AM
Releasing of Book of Abstracts	Dignitaries and Delegates	10.11 – 10.15 AM
Address by General Chair & HOD EEE	<b>Dr. Md. Asif</b> Associate Professor & Head, EEE	10.16 – 10.20 AM
Address by Steering Committee Chair	<b>Dr. Hari Shankar Jain</b> Professor, EEE	10.21 – 10.30 AM
Address by General Chair	<b>Dr. M. A. Jabbar</b> Professor and Head, CSE - AIML	10.31 – 10.35 AM
Address by Patron	<b>Dr. J V R Ravindra</b> Principal, VCE	10.36 – 10.45 AM
Introduction of Chief Guest	<b>Dr. P. Mounica</b> Assistant Professor, EEE	10.46 – 10.48 AM
Address by Chief Guest	<b>Dr. G. N. Srinivas</b> Professor, Jawaharlal Nehru Technological University, Sultanpur	10.49 – 11.00 AM
<b>Tea Break - 11.01 AM – 11.15 AM</b>		
Keynote Talk – 1	<b>Dr. G. N. Srinivas</b> Professor, Jawaharlal Nehru Technological University, Sultanpur	11.16 – 12.15 PM
Keynote Talk – 2	Dr. Sanjeevikumar Padmanaban Professor Aarhus University, Denmark	12.20 – 1.00 PM
<b>Lunch - 1.00 PM – 2.00 PM</b>		
Paper Presentation (Session Chairs)	<b>Dr. G. N. Srinivas</b> Professor, Jawaharlal Nehru Technological University, Sultanpur <b>Dr. G. Sree Lakshmi</b> Professor, EEE CVR College of Engineering	2.00 – 4.00 PM

## PROGRAM SCHEDULE

### Day 2: 22nd October 2022

Day 2: 22nd October 2022		
Keynote Talk-3	Dr. Deepak Reddy Pullaguram Assistant Professor, EEE, IIT Kharagpur	10.00 – 11.00 AM
Tea Break - 11.00 AM – 11.15 AM		
Paper Presentation (Session Chairs)	<b>Parallel Session 1</b> <b>Dr. G. N. Srinivas</b> Professor, Jawaharlal Nehru Technological University, Sultanpur <b>Dr. Hari Shankar Jain</b> Professor, EEE Vardhaman College of Engineering	11.15 – 1.00 PM
	<b>Parallel Session 2</b> <b>Dr. D. S. Naga Malleswara Rao</b> Associate Professor, EEE Gokaraju Rangaraju Institute of Engineering and Technology <b>Dr. N. Venkata Phanendra Babu</b> Assistant Professor, EEE Chaitanya Bharathi Institute of Technology	
Lunch - 1.00 PM – 2.00 PM		
Paper Presentation (Session Chairs)	<b>Parallel Session 1</b> <b>Dr. G. N. Srinivas</b> Professor, Jawaharlal Nehru Technological University, Sultanpur <b>Dr. Hari Shankar Jain</b> Professor, EEE Vardhaman College of Engineering	2.00 – 3.30 PM
	<b>Parallel Session 2</b> <b>Dr. D. S. Naga Malleswara Rao</b> Associate Professor, EEE Gokaraju Rangaraju Institute of Engineering and Technology <b>Dr. N. Venkata Phanendra Babu</b> Assistant Professor, EEE Chaitanya Bharathi Institute of Technology	
Valedictory	-	3.30 – 4.00 PM

## PAPER PRESENTATION

(Session 1)

Time: 2.00 PM – 4.00 PM:

VENUE: BLOCK-1 (ROOM 1002)

Session Chairs: Dr. G. N. Srinivas, Professor, JNTU, Sultanpur

Dr. G. Sree Lakshmi, Professor, CVR College of Engineering

Paper Id	Title of the Paper	Author Name	Time
157	Design of solar powered high step up non-isolated converter with low switching stress.	B. Nagi Reddy and B Poojitha	2.00 PM
782	A low-cost IoT-based system for monitoring the health of individual soldiers and tracking their real-time whereabouts in combat zones	Murugan A.S.S., Harsha Vardhan R. and Natarajan Karuppiah	2:16 PM
1245	Analysis and Simulation of Fuel Cell Powered Integrated Converter with Single Active Switch	C. V Vijay Kumar, T Sanjana and B Nagi Reddy	2:31 PM
5467	Design and Implementation of a Low-Cost Fully Automated Solar-Powered Mower Vehicle	Harshvardhan R, Murugan A.S.S., Dakka Obulesu and Natarajan Karuppiah	2:46 PM
6562	A New Two Switch Non-Inverted Buck-Boost Converter for PV System	J. N Bhanutej, U Hemalatha and B Nagireddy	3:01 PM
553	A Neuro-Fuzzy method for forecasting electricity consumption in the agricultural sector for India	Devineni Gireesh Kumar, Saravanan S and Sainadh Singh Kshatri	3:16 PM

## PAPER PRESENTATION

(Session 2)

TIME: 11.15 AM –1.00 PM

VENUE: BLOCK-1 (ROOM 1002)

Parallel Session 1

Session Chairs: Dr. G. N. Srinivas, Professor, JNTU, Sultanpur

Dr. Hari Shankar Jain, Professor, VCE

Paper Id	Title of the Paper	Author Name	Time
2563	Design and study of a double – boost non-isolated converter with continuous input current	A Gopalakrishna and G Priyanka	11.15 AM
516	Control Techniques for Bipolar Bidirectional Converter for Interfacing Renewable Energy Storage System to DC Micro-grid	Srikanth Nunavath and Patil Mounica	11:31 AM
7933	An Effective Rapid Electric Vehicle Charger Using a Quasi-Direct Boost - Buck Converter	J Sreedhar and U Prashanth	11:46 AM
4100	Performance Enhancement of Partial Shaded Photovoltaic System with the Novel Snake ladder Pattern Array Configuration Scheme	Keerti P and Praveen Kumar B	12:01 PM
576	Fuzzy Logic Control of Switched Reluctance Motor for Electric Vehicles Applications	Mohammed Mateen, S. Saravanan, D. Gireesh Kumar, K. Vijaya Bhaskar Reddy, K. Mahesh	12:16 PM
2932	Fully Automated Sun Drying System for Food Grains	Senthil Kumar R, Harshvardhan Naidu S, Suguna R, Raghunandhan R, Poovendan V	12:31 PM
2353	Power Optimization Scheme in Electric Vehicle Using Induction Motor Based FOPID Control Strategy	Devineni Gireesh Kumar and B Akhil Raj	12:46 PM

## PAPER PRESENTATION

(Session 2)

TIME: 11.15 AM –1.00 PM

VENUE: BLOCK-1 (ROOM 1002)

Parallel Session 2

Session Chairs: Dr. D. S. Naga Malleswara Rao, Associate Professor, GRIET

Dr. N. Venkata Phanendra Babu, Assistant Professor, CBIT

Paper Id	Title of the Paper	Author Name	Time
106	Detection and tracking maximum power point of a PV system under PSC using cuckoo search algorithm (CSA) MPPT`	Snehalatha Venkatapuram, Saravanan S and Mahesh K	11.15 AM
2904	Finger Print Based Intelligent Locker System	Senthil Kumar R, Prabakaran K, Mohammed Ovaiz A	11:31 AM
6979	Monitoring and Security Based Smart Wastebin for Real Time Application	Shuvendra Kumar Tripathy, Gopinath Palai and Kp Swain	11:46 AM
3203	Performance Assessment of SMA Based MPPT Controller for PV System Considering Random PSC	Suresh Kumar Asadi	12:01 PM
4115	Android Based Campus Solution (AICS) for Department Management	Geerthik S, Ranganathan L, Anand T and Sajitha L	12:16 PM
6065	Synthesis of Micro-encapsulated Beeswax using in-situ polymerization and its characterization	Vijayrakesh K, Muthuvel S, Gopinath G R, Sudhakar Pandian R and Rajesh Kanna G	12:31 PM
7599	Smart Anomaly Detection and Classification for Validation Process of Watch Gears using LABVIEW	Boobalan S, Sanjeeve R, Vignesh R S, Vignesh S and Thaqib K	12:46 PM

## PAPER PRESENTATION

(Session 3)

TIME: 02.00 PM – 3.45 PM

VENUE: BLOCK-1 (ROOM 1002)

Parallel Session 1

Session Chairs: Dr. G. N. Srinivas, Professor, JNTU, Sultanpur

Dr. Hari Shankar Jain, Professor, VCE

Paper Id	Title of the Paper	Author Name	Time
5358	Fuzzy Logic Controlled Hierarchical Power Management Scheme for A Solid-State Transformer (SST) Interfaced D.C Micro Grid	Udutha Satheesh and Raja Gopal Reddy B	2:00 PM
9665	Hardware Implementation of Electric Spring Converter in a PV and Wind based Smart grid for Power Quality Improvement	Dr. M. S. G. Smitha and Dr. Md. Asif	2:16 PM
2770	IOT Based Renewable Energy Monitoring System	Venkata Suresh Yarava and Hari Shankar Jain	2:31 PM
8507	Design of IoT Based Smart, Portable and Low-Cost Massage Band	J Naga Vishnu Vardhan, K Deekshitha, S Tejaswini	2:46 PM
2544	Design of IOT Based Real Time Geo-Fencing Model for the Realization of High Security System	Shuvendra Kumar Tripathy and Gopinath Palai	3:01 PM
6614	Energy Forecasting using Hybridization of CSO with LSTM	P Elumalaivasan, G Sasi, A Ganesh Babu	3:15 PM
873	Improved load frequency control of 2-area power system using nature inspired algorithm	P. Sai Pavan Kumar, Idamakanti Kasireddy, Dsnm Rao and Ch Phani Kumar	3:31 PM

## PAPER PRESENTATION

(Session 3)

TIME: 02.00 PM – 3.45 PM

VENUE: BLOCK-1 (ROOM 1002)

Parallel Session 2

Session Chairs: Dr. D. S. Naga Malleswara Rao, Associate Professor, GRIET

Dr. N. Venkata Phanendra Babu, Assistant Professor, CBIT

Paper Id	Title of the Paper	Author Name	Time
2625	Enhancing Smart Farming Techniques by Applying Prediction Techniques through IoT and Machine Learning	Rudraraju Vandana, G Surya Prabhav, S V Vaishnavi and R. Karthikeyan	2:00 PM
8931	Comparative study on Sudoku using Backtracking algorithm	Shanmugasundaram Hariharan, Navya T, Mounika T J, Tharun S, Kaladevi R and Bhanuprasad A	2:16 PM
4146	Enhanced Machine Learning Technique for Multi-Stages Alzheimer's Disease Classification	Bhavya Sri S, Keerthi S, Md Hassan and Karthikeyan R	2:31 PM
7368	Modelling and Implementation of SEPIC Converter for Electric Vehicle Application	Sunil Kumar Chava, Udayini Vanga and Srilekha Akula	2:46 PM
9588	Composite and Microencapsulated Phase Change Materials: A Brief Review	Ashok Kumar B J, Muthuvel S, Rajini N, Gopinath G R, Sudhakara Pandian R and Rajesh Kanna G R	3:01 PM
605	Implementation of Leader Follower Approach in Quadcopter	Pandiyarajan R, Vivek T, Agnishwar Jayaprakash and Chandravadhana S	3:15 PM
581	Power Sharing Strategy Based on Inverted Droop Controlled Microgrid	Prabakaran K, Senthil Kumar R, Srividhya R, Praveen G, Dinesh Kumar R and Sanjay T P	3:46 PM