

Second International Conference on
**Advances in Electrical, Computing, Communications and Sustainable
Technologies (ICAECT 2022)**

21-22, April 2022 | Bhilai, India | www.icaect.com

Program Schedule

Date	Time	Event
20.04.2022	10.00 am to 4.00 pm	<p style="text-align: center;">Pre-Conference Workshop Workshop 1</p> <p style="text-align: center;">MATLAB Simulation and Hardware Interface with Simulink Dr. R. N Patel, National Institute of Technology, Raipur Google meet link : meet.google.com/hnk-gtje-hoi</p> <p style="text-align: center;">/</p> <p style="text-align: center;">Workshop 2</p> <p style="text-align: center;">Internet of Things – Introduction and Practical Applications (Mr. Hannan Satopay, Autodesk Thinkercad Advisory Team & Chair, Young Professionals (YP), IEEE Bombay Section) Google meet link : meet.google.com/vip-ivui-oeg</p>
21.04.2022	11.00 am	<p style="text-align: center;">Inaugural Function Google meet link : meet.google.com/xii-xaqz-wuz</p>
21.04.2022	11.30 am	<p style="text-align: center;">Keynote 1(HYBRID): Dr. Rajashree Jain Secretary, IEEE India Council 2021 Professor, Symbiosis Institute of Computer Studies and Research(SICSR), Pune, India Google meet link : meet.google.com/hkh-nejc-cry</p>
21.04.2022	12.00 noon	<p style="text-align: center;">Keynote 2: Dr. Pooja Jain Department of Computer Science and Engineering Indian Institute of Information Technology Nagpur Nagpur</p>
21.04.2022	12.00 noon to 04.00 pm	Session: ICAECT (Physical)
		Session : EE01(ONLINE)
		Session : EE02(ONLINE)
		Session : EE03(ONLINE)
		Session : EC01(ONLINE)
		Session : EC02(ONLINE)
		Session : EC03(ONLINE)
		Session : CS01(ONLINE)
		Session : CS02(ONLINE)
Session : CS03(ONLINE)		

21.04.2022	04.00 pm	<p>Keynote 3 (ONLINE): Dr. Moi Hoon Yap Professor, Image and Vision Computing The Manchester Metropolitan University Manchester, United Kingdom Google meet link : meet.google.com/hkh-nejc-cry</p>
22.04.2022	09.30 am	<p>Keynote 4 (ONLINE): Dr. Ruslinda Arahim Director, National Nanotechnology Center Ministry of Science, Technology and Innovation (MOSTI) Malaysia Google meet link : meet.google.com/hkh-nejc-cry</p>
22.04.2022	10.15 am	<p>Keynote 5: Dr. Sanjeev Singh Professor Maulana Azad National Institute of Technology (MANIT), Bhopal</p>
22.04.2022	11.30 am to 03.45 pm	Session : EE04(ONLINE)
		Session : EE05(ONLINE)
		Session : EC04(ONLINE)
		Session : EC05(ONLINE)
		Session : EC06(ONLINE)
		Session : CS04(ONLINE)
		Session : CS05(ONLINE)
22.04.2022	04.00 pm	Valedictory Session

Session Tracks - Notation

CS - Computer Science & Engineering

EE - Electrical Engineering

EC - Electronics & Communication Engineering

Note:

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google Meet.
3. Mode of presentation should be powerpoint presentation (ppt or pptx)
4. There is no specific template for the presentation. Authors can use their own templates.
5. Duration of presentation: 10 minutes (presentation) + 5 minutes (Queries)
6. Participant using Google Meet will be admitted at any time prior to their scheduled time.
7. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
8. Participants are requested to contact the respective session In-Charges for presentation related queries.
9. If any problem connecting to session, please text to the respective session In-Charges (Or) ICAECT Whatsapp group during presentation date(s).

Session: ICAECT (Physical)

Date: 21.04.2022

Time: 12.15 pm to 03.45 pm

Time	Paper ID	Paper Title
12.15 pm	22CHEC 2044	Reduction of Gaussian noise from Computed Tomography Images using Optimized Bilateral Filter by Enhanced Grasshopper Algorithm
12.30 pm	22CHEC 2058	Reduction of Ultrasound Images using Combined Bilateral Filter & Median Modified Wiener Filter
12.45 pm	22CHEE 2035	A Review on Microgrid Protection Issues And Their Counter-measures
02.00 pm	22CHEE 1038	Comparative analysis of SRF based shunt active filter using Grey Wolf and Eagle Perching Optimization
02.15 pm	22CHCS 2062	A Study of Brain Tumor Segmentation and Classification using Machine and Deep Learning Techniques
02.30 pm	22CHEE 2069	Machine Learning Based High Impedance Fault Diagnosis in Microgrid
02.45 pm	22CHEE 2070	Performance of Maximum Power Point Tracking Algorithm based Photovoltaic Array and Utility Grid Interconnected System
03.00 pm	22CHEE 2071	Tuning Electronic, Magnetic and Transport properties of SnS ₂ 2D-material by rare-earth metal (Y) doping for sensing application : Ab-initio Modelling
03.15 pm	22CHEE 2064	A Comparative Analysis of FSPV-Grid and Grid- only systems for an Industrial Subsection
03.30 pm	22CHEE 2072	Width Dependent Electronic and Transport Properties of Stanene Nanoribbon: Ab Initio Study

Session: EE01 (ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 04.15 pm

Session chair(s):

1. Dr. Febina Beevi P, Professor & Head/EEE, MEA Engineering College, Perinthalamanna
2. Dr. Naveen Goel, Professor & Head/EEE, Shri Shankaracharya Technical Campus

Session In-charge

: Mrs. Simardeep Kaur

Session Link

: meet.google.com/wru-azpu-dsp

Time	Paper ID	Paper Title
12.00 noon	22CHEE 1009	Design and Implementation of Automated PV Array Reconfiguration System
12.15 pm	22CHEE 1012	DTC-SVM Control of Induction Motor Based on Dragonfly Optimization Algorithm
12.30 pm	22CHEE 1013	Optimum Gain Selection of Sliding Mode Control using Grey Wolf Optimization Technique
12.45 pm	22CHEE 1016	Fault Detection Technique for Lines with Series Compensation during Power Swing
02.00 pm	22CHEE 1018	Two wheeler vehicles classification based on XGBoost Algorithm
02.15 pm	22CHEE 1021	Single Input Source-based Boost Type Multilevel Inverter Topology
02.30 pm	22CHEE 1022	Design and Implementation of a novel Z source Multilevel inverter for Photovoltaic Applications
02.45 pm	22CHEE 1024	LSTM Based Approach for Timely Detection of Gradual Development of Electrical Fault in Power System
03.00 pm	22CHEE 1025	Design and implementation of pulse rate monitoring over internet using thingSpeak and ESP8266
03.15 pm	22CHEE 1029	On-board Health Prognosis of Lithium-Ion Battery Based on the Estimation of Internal Resistance Under Resistive and Inductive Loading Conditions
03.30 pm	22CHEE 1032	Analysis of Electric Field Stress of 145 kV OIP Bushing under AC & DC Voltages
03.45 pm	22CHEE 1033	Power Management in DC Microgrid Based on Distributed Energy Sources' Available Virtual Generation
04.00 pm	22CHEE 1034	Design and Hardware Realization of Low Voltage Permanent Magnet Synchronous Motor Drive

Session: EE02(ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 04.15 pm

Session chair(s):

1. Dr. K. Dhayalini, Professor & Head/EEE, K.Ramakrishna College of Engineering
2. Dr. Mahesh Singh, Asso Professor/EEE, Shri Shankaracharya Technical Campus

Session In-charge

: Mr. B Chiranjeev Rao

Session Link

: meet.google.com/yvy-jaft-tte

Time	Paper ID	Paper Title
12.00 noon	22CHEE 1036	Performance Prediction of GaN HEMTs Using Angelov and Curtice Models
12.15 pm	22CHEE 1037	Reconfigurable Transformer-less Fault Tolerant Multiple Input Boost DC-DC Converter
12.30 pm	22CHEE 2003	Development of Hybrid PV Wind system for EVs with Battery Management System
12.45 pm	22CHEE 1040	Fault Events Recognition to Design a Current Based Transmission Line Protection Scheme Using Signal Processing Techniques
02.00 pm	22CHEE 1041	Voltage Actuated Transmission Line Protection Scheme Applying Signal Processing Techniques
02.15 pm	22CHEE 1048	Loads Instability Study of the Gas Turbine Blades for Al- Khums Power Station
02.30 pm	22CHEE 1053	Automatic Spectrum Sensing Techniques Using Support Vector Machine in Cognitive Radio Network
02.45 pm	22CHEE 1054	Analysis And Simulation Of Economic Load Dispatch in Power System
03.00 pm	22CHEE 1055	Comparative Analysis of Optimal Capacitor Placement and D-STATCOM towards Power Consumption and Power Loss Minimization
03.15 pm	22CHEE 1059	Opposition based constriction factor particle swarm optimization for economic load dispatch
03.30 pm	22CHEE 1061	Current status of underwater wireless communication techniques: A Review
03.45 pm	22CHEE 1062	Electrical Vehicle Charging Station Mathematical Modeling and Stability Analysis
04.00 pm	22CHEE 1063	Airplane Flight Route Optimization Problem with Multi-constraints

Session: EE03(ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 04.15 pm

Session chair(s):

1. Dr. K. Deepa, Associate Professor/EEE, Amrita School of Engineering
2. Dr. M L Verma, Professor & Head/Physics, Shri Shankaracharya Technical Campus

Session In-charge

: Mr. Rahul Baghel

Session Link

: meet.google.com/ker-nntw-rpw

Time	Paper ID	Paper Title
12.00 noon	22CHEE 1066	Improving the Accuracy of Object Detection in the Low Light Conditions using Multiple Retinex Theory-based Image Enhancement Algorithms
12.15 pm	22CHEE 1069	Analyze the Impact of the Faults Levels on Grid Connected Photovoltaic Systems using DIgSILENT Power Factory
12.30 pm	22CHEE 1073	Performance and Comparative Analysis of PI and PID Controller-based Single Phase PWM Inverter Using MATLAB Simulink for Variable Voltage
12.45 pm	22CHEE 1077	Reduce Leakage Currents in Transformer less PV System Connected to Utility Grid with H-Bridge Inverter Topology
02.00 pm	22CHEE 1080	Implementation of Inductive Wireless Power Transmission system for Battery Charging applications
02.15 pm	22CHEE 1081	Implementation of Z-Source Resonant Converter for Power Factor Correction & Wireless Charging Applications
02.30 pm	22CHEE 1083	Performance Analysis of PV-Fuel cell hybrid system in small scale DC system
02.45 pm	22CHEE 1088	Design of a Robotic Arm equipped Fully Automated Burger Assembly Machine
03.00 pm	22CHEE 1092	Substation Demand Reduction using Combined Approach of CVR, VAR Optimization and Distributed Generation
03.15 pm	22CHEE 1095	A New Kurtosis Spectrogram and One Dimensional Deep CNN Model for High-Speed Bearing Lifespan Estimation on Wind Turbine
03.30 pm	22CHEE 1098	Comparative Analysis of Particle Swarm Optimization and Differential Evolution Algorithm to Curtail Power Consumption using Smart Energy Meter Analytics
03.45 pm	22CHEE 1099	Feasibility Analysis of Open Vehicle Grid Integration Platform (OVGIP) for Indian Scenario
04.00 pm	22CHEE 2002	Protection of Utility Network with Solar Power Generation

Session: EC01(ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 03.45 pm

Session chair(s):

1. Dr. Mangal Singh, Asso Professor/ETE, Symbiosis Institute of Technology
2. Dr. Dolley Shukla, Professor/CSE, Shri Shankaracharya Technical Campus

Session In-charge

: Mr. Pradeep Singh Yadav

Session Link

: meet.google.com/sov-dcbk-cbr

Time	Paper ID	Paper Title
12.00 noon	22CHEC 1011	Deep Learning Based Underwater Image Enhancement Using Deep Convolution Neural Network
12.15 pm	22CHEC 1014	Analysis and Winning Prediction in T20 Cricket using Machine Learning
12.30 pm	22CHEC 1016	Microstrip U-Slot Patch Antenna Using Wireless Applications
12.45 pm	22CHEC 1018	Component Handling Automated Guided Vehicle - A Cyber Physical System Case Study
02.00 pm	22CHEC 1019	Enhancement of Spectrum Efficiency in Satellite Communication applying Prediction Model of Machine Learning Technique
02.15 pm	22CHEC 1020	On-board Antenna Tracking System for HTS Satellites: ISRO's First In-Orbit Success on GSAT-19
02.30 pm	22CHEC 1021	WiGig WiFi performance with multi-impairment environments in MATLAB Simulink
02.45 pm	22CHEC 1023	HLS Implementation Of Quantum Shor's Algorithm Using Matrix Pruning
03.00 pm	22CHEC 1031	A Design Of Circular Integrated Rectangular Slot (CIR-S) Antenna for Broadband Wireless Applications
03.15 pm	22CHEC 1036	Analysis of Myocardial Infarction in CMR Images Using Hybrid Level Set Based Segmentation and Regional Ventricle Contractility Analysis
03.30 pm	22CHEC 1049	Channel prior based Retinex model for underwater image enhancement

Session: EC02(ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 03.45 pm

Session chair(s):

1. Dr. V. Jayaprakasan, Professor/ECE, Sreenidhi Institute of Institute of Science & Tech.
2. Dr. Vinay Jain, Professor & Head/ETC, Shri Shankaracharya Technical Campus

Session In-charge

: Mrs. Swati Verma

Session Link

: meet.google.com/iju-ggjr-erm

Time	Paper ID	Paper Title
12.00 noon	22CHEC 3025	Analysis of Potential Regions for Maritime using QGIS Tool
12.15 pm	22CHEC 1058	Parallel Network - A Deep Learning Approach for Blood Vessel Segmentation in Retinal fundus Images
12.30 pm	22CHEC 1062	Diagnosis of Early-Stage Diabetic Retinopathy in Digital Fundus Images
12.45 pm	22CHEC 1065	Performance Measures of Spatially Multiplexed MIMO-OFDM System using Different Modulation Techniques
02.00 pm	22CHEC 1066	Application of Neutrosophic Sets Based on Neutrosophic Negative Score Function in Material Selection
02.15 pm	22CHEC 1067	Smart water flow meter for improved measurement of water usage in a smart city
02.30 pm	22CHEC 1070	Descriptive and Predictive Analytics on Electronic Health Records using Machine Learning
02.45 pm	22CHEC 1071	Automated MRI Brain Tumour Segmentation and Classification Based on Deep Learning Techniques
03.00 pm	22CHEC 1073	Comparative study of PCF background materials for Terahertz Region
03.15 pm	22CHEC 1078	Modified design of STBC Encoder for reducing Non-Linear distortions in OFDM Channel Estimation
03.30 pm	22CHEC 1079	Frequency selective SIW filter design

Session: EC03(ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 03.45 pm

Session chair(s):

1. Prof. V.S. Kiruthika Devi, Asst Professor/EEE, Amrita School of Engineering
2. Dr. Sandeep Patil, Dept. of ETC, Shri Shankarachariya Technical Campus

Session In-charge

: Mr. Rahul Pandey

Session Link

: meet.google.com/xgt-rdbt-nbi

Time	Paper ID	Paper Title
12.00 noon	22CHEC 1087	Multiple Object Detection and Segmentation for Remote Sensing Images
12.15 pm	22CHEC 1093	Blood pressure measurement system visualized through a mobile application
12.30 pm	22CHEC 1094	Design of a body temperature measurement system made through an unmanned aerial vehicle
12.45 pm	22CHEC 1095	Design of a face mask detection system to control the entry of people to a medical center
02.00 pm	22CHEC 1097	Renal Calculi Detection using Image Processing
02.15 pm	22CHEC 2001	High Frequency Response Pulse Processing Front-end for the Radiation Detector
02.30 pm	22CHEC 2012	Food Review Analysis and Sentiment Prediction Using Machine Learning Models
02.45 pm	22CHEC 2013	Wavelet Based Classification of Finger Movements with Machine Learning Classifier
03.00 pm	22CHEC 2014	Analyzing the effect of various delay approximation techniques on the delayed third-order process model
03.15 pm	22CHEC 2016	Evaluating the NDVI based Rice and Potato Yield Prediction map Using GIS Geostatistical Environment
03.30 pm	22CHEC 2019	An Energy-Efficient Long Hop High Priority Algorithm for IoT resource management

Session: CS01 (ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 04.15 pm

Session chair(s):

1. Dr. Kolla Bhanu Prakash, Professor/CSE, Koneru Lakshmaiah Education Foundation
2. Dr. Abha Choubey, Associate Professor/CSE, Shri Shankarachariya Technical Campus

Session In-charge

: Mr. Shashank Kumar

Session Link

: meet.google.com/hvn-nrkr-cch

Time	Paper ID	Paper Title
12.00 noon	22CHCS 1008	A DDoS Attack Detection on Cloud Framework Using Improved Features Based Machine Learning Approach
12.15 pm	22CHCS 1012	A Method for Waste Segregation using Convolutional Neural Networks
12.30 pm	22CHCS 1028	ACH Reference Model- A model of Architecture to Handle Advanced Cyberattacks
12.45 pm	22CHCS 1033	Proficient Evaluation of Visual Cryptography using Transposition Cipher and Bit Reversal Techniques
02.00 pm	22CHCS 1026	Embedding real-time rendered frames from Vulkan and OpenGL into .NET C# UI
02.15 pm	22CHCS 1046	Captioning Videos by Using Image Captions as Subsidiary Content
02.30 pm	22CHCS 1054	An Enhanced Energy Efficient Protocol for Wireless Body Area Network
02.45 pm	22CHCS 1064	Self-Risk Assessment Model Embedded with Conversational User interface for Selection of Health Insurance Product
03.00 pm	22CHCS 1066	A Comparison between Different Kernels of Support Vector Machine to Predict Cardiovascular Diseases Using Phonocardiogram Signal
03.15 pm	22CHCS 1069	Traffic prediction for intelligent transportation system using Machine Learning
03.30 pm	22CHCS 1073	Security Aspects of the Internet of Drones (IoD)
03.45 pm	22CHCS 1085	Investigation of New Protocol: Cyclic Shift in Aggressive Packet Combining Scheme to Combat the Error in Same Bit Location
04.00 pm	22CHCS 1087	Comparison of Performance of Machine Learning Algorithms for Cervical Cancer Classification

Session: CS02 (ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 04.15 pm

Session chair(s):

1. Dr. Neha Gupta, Asst. Professor, Symbiosis University of Applied Sciences, Indore
2. Dr. Lalita Pinjarkar, Associate Professor / IT, Shri Shankarachariya Technical Campus

Session In-charge

: Mrs. Veenita Swarnkar

Session Link

: meet.google.com/xjv-izma-tfq

Time	Paper ID	Paper Title
12.00 noon	22CHCS 1088	Blackhole attack Detection based on Trust Calculation Mechanism in Wireless Sensor Networks
12.15 pm	22CHCS 1097	Design of the Modified D-LEACH based Routing Protocols for the Dense Deployment based WSN
12.30 pm	22CHCS 2016	Symmetry-Protected Topological Phase Classification Using Hybrid Quantum Convolutional Neural Network with Three Quantum Filters
12.45 pm	22CHCS 2026	Single Server Queueing System with Multiple Working Vacation and with Server Breakdown
02.00 pm	22CHCS 2073	A Performance Study on Deep Learning Covid-19 Prediction through Chest X-Ray Image with ResNet50 Model
02.15 pm	22CHCS 2034	Improve Security Using Steganography and Cryptography Based on Smartphone Users Locations
02.30 pm	22CHCS 2035	A Deep Transfer Learning-Based Approach to Detect Potato Leaf Disease at an Earlier Stage
02.45 pm	22CHCS 2036	Deep Learning Approach for Sentimental Analysis of Hotel Review on Bengali text
03.00 pm	22CHCS 2040	Performance Comparison of Multiple Supervised Machine Learning Algorithms for COVID-19 Mortality Prediction
03.15 pm	22CHCS 2042	Plant Disease Prediction using Transfer Learning Techniques
03.30 pm	22CHCS 2044	Stock Market Prediction Using Long Short-Term Memory(LSTM)
03.45 pm	22CHCS 2045	Real Time Signature Forgery Detection Using Machine Learning
04.00 pm	22CHCS 2049	Prediction of Maintenance Time and IoT Device Failures using Artificial Intelligence

Session: CS03(ONLINE)

Date: 21.04.2022

Time: 12.00 noon to 04.15 pm

Session chair(s):

1. Dr. Neelam Chaplot, Asst. Professor, Manipal University, Jaipur
2. Dr. Megha Mishra, Associate Professor/CSE, Shri Shankaracharya Technical Campus

Session In-charge

: Mrs. Tanu Rizvi

Session Link

: meet.google.com/avv-pqkn-wbp

Time	Paper ID	Paper Title
12.00 noon	22CHCS 2054	P4 based Load Balancing Strategies for Large Scale Software-Defined Networks
12.15 pm	22CHCS 2057	A deep learning based image steganalysis using gray level co-occurrence matrix
12.30 pm	22CHCS 2058	Implementation of Logistic Map based Differential Evolution for Channel Distribution in Cognitive Radio Networks
12.45 pm	22CHCS 2060	Document Classification And Automatic Grading
02.00 pm	22CHCS 3004	Federation Learning for Intrusion Detection Methods by Parse Convolutional Neural Network
02.15 pm	22CHCS 2061	An Autonomous Internet of Things (IoT) pipeline network for Image acquisition in Agricultural Applications
02.30 pm	22CHCS 3005	Federation Learning of Optimized Convolutional Neural Network Structure for Intrusion Detection
02.45 pm	22CHCS 2064	SynthPipe : AI based Human in the Loop Video Dubbing Pipeline
03.00 pm	22CHCS 3079	Dried Fish Classification Using Deep Learning
03.15 pm	22CHCS 2066	An Effective Detection of Version Number Attacks in the IoT using Neural Networks
03.30 pm	22CHCS 2069	Voice Prescription using Natural Language Understanding
03.45 pm	22CHCS 2070	Machine Learning Algorithms for 5G and Internet-of-Thing (IoT) Networks
04.00 pm	22CHCS 2075	Music Note Series Precipitation using Two Stacked Deep Long Short Term Memory Model

Session: EE04(ONLINE)

Date: 22.04.2022

Time: 11.30 am to 03.45 pm

Session chair(s):

1. Dr. Meena kumari, Professor / EEE, Kongu Engineering College
2. Dr. Naveen Goel, Professor & Head/EEE, Shri Shankaracharya Technical Campus

Session In-charge

: Mrs. Simardeep Kaur

Session Link

: meet.google.com/wru-azpu-dsp

Time	Paper ID	Paper Title
11.30 am	22CHEE 2007	Higher Order Extended State Observer in Presence of Fast Varying Mismatched Uncertainty
11.45 am	22CHEE 2008	T-Type Multilevel Inverter Based Performance Improvement of Induction Motor
12.00 noon	22CHEE 2012	Optimal Reactive Power Dispatch Using Giza Pyramids Construction Algorithm
12.15 pm	22CHEE 2014	A Review on Charge Control Techniques for Batteries in Electric Vehicles
12.30 pm	22CHEE 2018	Load Flow Analysis of Distribution generator using the unsynchronized Measurement
12.45 pm	22CHEE 2068	Design of Multi-Mode Power Converter and Control Using TLBO Algorithm for Renewable Energy based EV-Charging Systems
02.00 pm	22CHEE 2019	Application of Lyapunov for Multi-Machine Power System Stability Analysis
02.15 pm	22CHEE 2026	Transmission lines Fault Detection and Classification Using Deep Learning Neural Network
02.30 pm	22CHEE 2028	Travelling wave based fault location scheme for UPFC compensated transmission line
02.45 pm	22CHEE 2029	Performance Analysis of Adaptive Hysteresis Band Current Controller based Active Power Filter
03.00 pm	22CHEE 2031	SEGR Analysis of Super Junction VDMOS using HfO ₂ as Gate Dielectric
03.15 pm	22CHEE 2033	A Switched-Capacitor Based Nine-level Boost Inverter Circuit for Mining Applications
03.30 pm	22CHEE 2034	Impact of DG integration on Passive Distribution Network

Session: EE05(ONLINE)

Date: 22.04.2022

Time: 11.30 am to 04.00 pm

Session chair(s):

1. Dr. P. Sakthivel, Professor & Head/EEE, Velalar College of Engg. & Technology
2. Dr. Mahesh Singh, Asso Professor/EEE, Shri Shankaracharya Technical Campus

Session In-charge

: Mr. B Chiranjeev Rao

Session Link

: meet.google.com/yvy-jaft-tte

Time	Paper ID	Paper Title
11.30 am	22CHEE 2067	Single Input Multi-Output DC-DC converter for Sustainable energy applications
11.45 am	22CHEE 2038	Design and Techno-economic Analysis of a Grid-Connected Solar Photovoltaic System in Bangladesh
12.00 noon	22CHEE 2041	Research on wind power Prediction based on BP neural Network
12.15 pm	22CHEE 2044	A Case Study on Effect of Geomagnetically Induced Current in Power Transmission
12.30 pm	22CHEE 2045	Grid Tied Photovoltaic Based Electric Vehicle Charging Infrastructure
12.45 pm	22CHEE 2048	Mitigation of Frequency Deviation and Voltage Fluctuations in a Wind Integrated Industrial Microgrid
02.00 pm	22CHEE 2052	Modeling of Maximum Power Point Tracking Based Photovoltaic Open Loop Flyback Inverter Using Sinusoidal Pulse Width Modulation Technique for Performance Improvement
02.15 pm	22CHEE 2055	Tracking the MPP of a PV system using an advanced fuzzy logic control technique
02.30 pm	22CHEE 2057	Improving Primary Frequency Control of Wind Integrated Power System with RFB
02.45 pm	22CHEE 2061	Control Strategy for Switched-Impedance Quasi-Z-Source Inverter
03.00 pm	22CHEE 2063	Design and Optimization of Transformer by Combining Finite Element Approach and Improved Genetic Algorithm
03.15 pm	22CHEE 2065	Voltage Stability Prediction In Power Systems Using Modified Artificial Neural Network
03.30 pm	22CHEE 1075	Generating Electrical Energy From Living Plants Using Plant-Microbial Fuel Cell Technology
03.45 pm	22CHEE 1089	Detection And Location of The Fault in Power System and Monitor Different Parameters Using Sensors

Session: EC04(ONLINE)

Date: 22.04.2022

Time: 11.30 am to 03.30 pm

Session chair(s):

1. Dr. P. Marichamy, Professor & Dean /ECE, PSR Engineering College
2. Dr. Dolley Shukla, Professor/CSE, Shri Shankaracharya Technical Campus

Session In-charge

: Mr. Pradeep Singh Yadav

Session Link

: meet.google.com/sov-dcbk-cbr

Time	Paper ID	Paper Title
11.30 am	22CHEC 2025	An Aperture Fed Frequency Reconfigurable Patch Antenna For X-Band Applications
11.45 am	22CHEC 2026	Bending Assessment and On-body Investigation of a Textile-Based Antenna for Body Wireless Communication
12.00 noon	22CHEC 2028	IoT Based Smart Sewerage Management System for Moradabad City
12.15 pm	22CHEC 2029	Morphology based Quality Estimation of Cocoa Beans using Digital Imaging
12.30 pm	22CHEC 2034	Improved Selective Mapping Technique for reduction of PAPR in MIMO-OFDM Wireless Communication
12.45 pm	22CHEC 2037	Underwater Visible Light Vertical Communication for Distinctive Chlorophyll
02.00 pm	22CHEC 2039	Automated Approach to Detect and Monitor the Development of Turner's Syndrome
02.15 pm	22CHEC 1032	Methods of teaching programming with Raspberry Pi
02.30 pm	22CHEC 2046	Modelling investigations on Efficiency of Miniaturized Piezoelectric Energy Harvester
02.45 pm	22CHEC 2053	An Improved Retransmission Timeout Forecasting Algorithm for Vehicular Networks
03.00 pm	22CHEC 2056	Long-range and low-cost WDM OWC system based on the hybrid configuration of optical amplifiers
03.15 pm	22CHEC 2057	An Efficient Electromagnetic Bandgap Structure Design

Session: EC05(ONLINE)

Date: 22.04.2022

Time: 11.30 am to 3.45 pm

Session chair(s):

1. Dr. M. Ramya, Diligentec Solutions
2. Dr. Vinay Jain, Professor & Head/ETC, Shri Shankarachariya Technical Campus

Session In-charge

: Mrs. Swati Verma

Session Link

: meet.google.com/iju-ggjr-erm

Time	Paper ID	Paper Title
11.30 am	22CHEC 1053	Improved DWT Algorithm for Filtering of MRI Images For Efficient Diagnosis
11.45 am	22CHEC 2059	Remote Sensing & Modelling of Covid-19 using Satellite Imaging
12.00 noon	22CHEC 2060	Implementation of Low Complexity Finite Field GF(2 ^m) Multiplier Using Irreducible Primitive Polynomials
12.15 pm	22CHEC 2061	Computationally Efficient Hybrid Algorithm For PAPR Reduction In Multiuser MIMO OFDM System
12.30 pm	22CHEC 2063	Design of Transimpedance Amplifier using CMOS 180nm Technology
12.45 pm	22CHEC 2071	MIMO Patch Antenna with Metamaterial 3.5GHz for 5G Applications
02.00 pm	22CHEC 2072	Design and Displacement sensitivity analysis of microscale piezoresistive cantilever
02.15 pm	22CHEC 2074	A Multi Band Modified Circular Ring Graphene Patch Antenna for THz Applications
02.30 pm	22CHEC 2077	Compact Dual Band circular Hexa fractal antenna
02.45 pm	22CHEC 2083	Adaptable Reconfigurable and Power-Efficient Robots for Health Monitoring
03.00 pm	22CHEC 2084	Energy-Efficient Cooperative Communications System
03.15 pm	22CHEC 2089	A Convolution Artificial Intelligence for Disease Classification in Fruits and Vegetables
03.30 pm	22CHEC 2080	Wavelet Based Compression Analysis For Tele-Sleep Bruxism Diagnosis

Session: EC06(ONLINE)

Date: 22.04.2022

Time: 11.30 am to 03.30 pm

Session chair(s):

1. Prof. B. Prabha, Asst Professor/CSE, Koneru Lakshmaiah Education Foundation
2. Dr. Sandeep Patil, Dept. of ETC, Shri Shankarachariya Technical Campus

Session In-charge

: Mr. Rahul Pandey

Session Link

: meet.google.com/xqt-rdbt-nbi

Time	Paper ID	Paper Title
11.30 am	22CHEC 2090	Study and Analysis of Liu's Algorithm for Image Segmentation
11.45 am	22CHEC 2093	Analysis of Internet Congestion Control Algorithm under Multi-hop Vehicular Conditions
12.00 noon	22CHEC 2096	Path Loss Modeling and Channel Characterization at 28 GHz 5G Micro-Cell Outdoor Environment using 3D Ray-Tracing
12.15 pm	22CHEC 3001	A Humanoid Robot for Hand-Sign Recognition in Human-Robot Interaction (HRI)
12.30 pm	22CHEC 3011	Design of Low - Profile Four Port Linear Configured Wideband MIMO Antenna for C-X- Ku-K-band Applications
12.45 pm	22CHEC 3012	Analysis of Blood Pressure through Video Techniques imaging
02.00 pm	22CHEC 3018	Design of CMOS IR-UWB Transmitter with UWB Antenna
02.15 pm	22CHEC 3022	Moving Object Tracking Based On Feedback Particle Filter Technique
02.30 pm	22CHEC 3023	A Secure Anonymous Authentication and Key Agreement Schemes for Wireless Body Area Networks
02.45 pm	22CHEC 3019	Design of compact broadband and high gain folded dipole antenna with superstrate for millimetre and 5G Applications
03.00 pm	22CHEC 3027	A Time Varying Capacitance as Load to Study Area Efficient Arithmetic Circuits
03.15 pm	22CHEC 3029	Performance Analysis of Various Ionospheric Delay Corrections in Single-frequency GPS Positioning solution at a low latitude Indian location
03.30 pm	22CHEC 3024	ECG Based Stress Detection Using Machine Learning

Session: CS04(ONLINE)

Date: 22.04.2022

Time: 11.30 am to 03.45 pm

Session chair(s):

1. Dr. V. Elango, Professor/CSE, CMR Institute of Technology
2. Dr. Abha Choubey, Associate Professor/CSE, Shri Shankarachariya Technical Campus

Session In-charge

: Mr. Shashank Kumar

Session Link

: meet.google.com/hvn-nrkr-cch

Time	Paper ID	Paper Title
11.30 am	22CHCS 2080	Survey comparison of Monkey-Based Optimization techniques in LEACH protocol WSNs
11.45 am	22CHCS 2081	A Hospital Application Involving Deep Learning Architecture for Detecting Parkinson's disease
12.00 noon	22CHCS 2093	M/M/1 Queueing system with Server Breakdown, Working Vacation, State Reliant Customers and Feedback
12.15 pm	22CHCS 2096	Decision Tree Technique for Arabic Sentences Classification with Preprocessing of NLP by Using of Words Features
12.30 pm	22CHCS 3014	An Improved Faster and Novel Methodology for Diabetes Ulcer Classification Based on Customized CNN
12.45 pm	22CHCS 2065	Lifetime Maximization of Bin Level IoT Sensor and Route Optimization for Smart Waste Management in Hilly City Shimla, India: A Comparative Analysis
02.00 pm	22CHCS 3024	Hidden Image Watermarking based on Frequency Domain Technique
02.15 pm	22CHCS 3028	Diagnosis of Pneumonia Using Deep Learning Techniques
02.30 pm	22CHCS 3031	IOT-Enabled Vertical Farming Monitoring System Using Big Data Analytics
02.45 pm	22CHCS 3032	Programmable Variable-length Pseudo Random Sequence Generator
03.00 pm	22CHCS 3034	Real-Time Face Emotion Recognition and Visualization using Grad-CAM
03.15 pm	22CHCS 3050	Contention-based Access Protocol for Intra-Cluster Communications in Mobile Ad hoc Networks

03.30 pm	22CHCS 3090	Classification of Product Review Sentiment by NLP and Machine Learning
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Session: CS05(ONLINE)

Date: 22.04.2022

Time: 11.30 am to 03.45 pm

Session chair(s):

1. Dr. Dipti Chauhan, Professor, Prestige Institute of Engineering
2. Dr. Lalita Pinjarkar, Associate Professor / IT, Shri Shankaracharya Technical Campus

Session In-charge

: Mrs. Veenita Swarnkar

Session Link

: meet.google.com/xjv-izma-tfg

Time	Paper ID	Paper Title
11.30 am	22CHCS 3054	Movie Recommendation Based on Mood Detection using Deep Learning Approach
11.45 am	22CHCS 3055	Effective Classification Of IBM HR Analytics Employee Attrition Using Sampling Techniques
12.00 noon	22CHCS 3056	Hybridization of Tabu Search and Grey Wolf Optimizer for Improved Workflow Scheduling and Optimization of Resources in Edge Computing
12.15 pm	22CHCS 3066	Analysis on Encrypted Biometric Template Protection Schemes
12.30 pm	22CHCS 3070	A Unified and Semantic Model Approach for Histopathologic Cancer Detection Based on Deep Double Transfer Learning
12.45 pm	22CHCS 2032	Classification of Fruits using Convolutional Neural Networks
02.00 pm	22CHCS 3077	Automated Attendance Control System for Health Center Staff
02.15 pm	22CHCS 3078	Analysis of classification based predicted disease using machine learning and medical things model
02.30 pm	22CHCS 3083	Panacea: A Novel Architecture for Electronic Health Records System using Blockchain and Machine Learning
02.45 pm	22CHCS 3088	Biometric Facial Security System with Telemetry Module
03.00 pm	22CHCS 3091	An Ensemble Method for Covid-19 Positive Cases Detection using Machine Learning Algorithms

03.15 pm	22CHCS 3097	Fine Tuning (Diagnosis) of Machine Learning Algorithm (Model) for optimization
03.30 pm	22CHCS 3096	Cultivating Tulip at Extent by Using Machine Learning in Context to Bangladesh

Session: CS06(ONLINE)

Date: 22.04.2022

Time: 11.30 am to 03.15 pm

Session chair(s):

1. Dr. A C Sumathi, Professor & Head/CSE, KPR Institute of Engineering & Technology
2. Dr. Samta Gajbhiye, Professor & Head/CSE, Shri Shankarachariya Technical Campus

Session In-charge

: Mrs. Tanu Rizvi

Session Link

: meet.google.com/avv-pqkn-wbp

Time	Paper ID	Paper Title
11.30 am	22CHCS 4001	Automatic vascular detection system for the part of the forearm of patients
11.45 am	22CHCS 4007	CBMIR:Content Based Medical Image Retrieval Using Hybrid Texture Feature Extraction Method
12.00 noon	22CHCS 4009	Assessment of Influence of Non-Plastic Fines on Liquefaction Potential of Sand Using a Deep Learning Technique
12.15 pm	22CHCS 4017	ResMintage : Leveraging Blockchain Technology to Share Hardware Resources
12.30 pm	22CHCS 4018	Identification of Significant Risk Factors and Impact for ASD Prediction among Children Using Machine Learning Approach
12.45 pm	22CHCS 4019	YOLO CC: Deep Learning Approach based Early Stage Detection of Cervical Cancer from Cervix Images using YOLOv5s Model
02.00 pm	22CHCS 4021	Accurate stock prices prediction on Grouped Time Series Data using Recurrent Neural Network Variants
02.15 pm	22CHCS 4022	An Ensembled Intracranial Hemorrhage (ICH) subtype Detection and Classification approach using a Deep Learning Models
02.30 pm	22CHCS 4028	Importance of Initialization in K-Means Clustering
02.45 pm	22CHCS 4035	PrePCF_ML: Prediction of Optical Fiber Properties using Machine Learning Algorithms

03.00 pm	22CHCS 4038	Octagon Shell Based Image Steganography for Avoiding Human Visual System with Lower Computational Time
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