

2nd Edition

**DELCON 2023**

An IEEE Delhi section owned conference

**CHITKARA**  
UNIVERSITY



2nd Edition

# DELCON 2023

An IEEE Delhi Section Owned Conference

Organized by Chitkara University, Punjab (India)

February 24-26, 2023 | Venue: Chitkara University, Rajpura, Punjab (India)

## TECHNICAL PROGRAM

### Day 1 - February 24 | Venue - Exploretorium

Registrations and Tea | 11:00 AM - 11:45 AM

Inauguration | 12:00 Noon - 1:15 PM

Keynote Talk | 1:15 PM - 2:00 PM

Keynote Speaker: Prof. Shibani Koul, IIT Delhi

Networking Lunch | 2:00 PM - 2:45 PM - Venue: Dhaba

Paper Presentations in Six Parallel Tracks | 3:00 PM - 5:00 PM - Venue: Tesla Block

Tea | 4:30 PM - 5:00 PM - Venue: Third Floor, Tesla Block

Cultural Program | 5:45 PM - 6:30 PM - Venue: Exploretorium

Conference Dinner | 7:30 PM - 9:30 PM - Venue to be announced later

### Day 2 - February 25 | Venue - Einstein Hall, Galileo Block

Invited Talks | 10:00 AM - 11:30 AM

Invited Talk 1: Prof. (Dr.) Angsuman Sarkar, Kalyani Government Engineering College, West Bengal

Invited Talk 2: Dr. Gururaj H L, Manipal Institute of Technology, Bengaluru

Invited Talk 3 - Online Mode Dr. Rahul Johari, Guru Gobind Singh Indraprastha University, New Delhi

Link: <https://meet.google.com/dmi-busy-gws>

Tea | 11:30 AM - 12:00 Noon - Venue: Foyer and Faculty Lounge, Einstein Hall

Invited Talks | 12:00 Noon - 1:00 PM

Invited Talk 4 - Online Mode Prof. Parkash Lohana, Usman Institute of Technology, Karachi

Link: <https://meet.google.com/ahc-goop-ecg>

Invited Talk 5: Dr. Manash Chanda, Meghnad Saha Institute of Technology, Kolkata

Lunch | 1:00 PM - 2:00 PM - Dhaba

Paper Presentations in Eight Parallel Tracks | 2:15 PM - 5:00 PM - Venue: Turing Block

Tea | 4:30 PM - 5:00 PM - Venue: Foyer, Turing Block

### Day 3 - February 26 | Virtual

Paper Presentations in Three Parallel Tracks | 10:00 AM - 12:30 PM

Venue: Turing Block

Valedictory & Best Paper Awards | 12:30 PM - 1:30 PM - Virtual

### Track 1.1 - Data Science, Computing and Advanced Analytics

<b>Session Chairs</b>	<b>Prof. (Dr.) M N Hoda, Dr. Pradeepta Sarangi</b>	
<b>Session Coordinator</b>	<b>Dr. Sangeetha Annam   9646444006</b>	
<b>Venue</b>	<b>TB-303, Tesla Block</b>	
<b>Time</b>	<b>03:00 PM to 05:00 PM</b>	
<b>Mode of presentation</b>	<b>Physical</b>	
PID	Title	Author Names
61	Transfer learning using Inception ResnetV2 with Convolutional Neural Network for Pothole Classification	Saraveet Singh, Rishu Chhabra, Aditi Modgil
65	Role of Artificial Intelligence in Brain Stroke Management: A survey	Rishu Chhabra, Suhavi Kaur Bhatia, Sumit Goyal, Tripatjot Singh Arora
85	Static Method to Locate Risky Features in Android Applications	Vaibhav Khullar, Tanya Gera, Tanya Mehta
89	Dataset for Face-mask Recognition in Poor Visibility Conditions based upon IoT enabled Robotics	Nishant Sharma, Ankush Khera, Dev Sayal, Aniran Singh, Isha Kansal
113	Driver Inattentiveness Detection Techniques for Intelligent Transportation Systems: A Review	Anwasha Patel, Rishu Chhabra, C. Rama Krishna
286	An Effective Mechanism for Virtual Machine Placement using Cuckoo Search	Loveleena Mukhija, Rohit Sachdeva

### Track 1.2 - Data Science, Computing and Advanced Analytics

<b>Session Chairs</b>	<b>Mr. Daman Dev Sood, Dr. Rupali Gill</b>	
<b>Session Coordinator</b>	<b>Dr. Vikas Khullar   9646060500</b>	
<b>Venue</b>	<b>TB-304, Tesla Block</b>	
<b>Time</b>	<b>03:00 PM to 05:00 PM</b>	
<b>Mode of presentation</b>	<b>Physical</b>	
PID	Title	Author Names
129	Machine Learning Techniques for Real-Time Emotion Detection from Facial Expressions	Akshita Sharma, Vriddhi Baja, Jatin Arora
150	PD-Box: A People Place Data Box for Processing Engine Anatomy	Prakash Hegade, Dhananjay Kalburgi
151	OptSpec: Optimization of Specifications Data for Engine Anatomy	Prakash Hegade, Kshitij Tiwari, Amit Godikar
168	A Review on Preprocessing, Segmentation and Classification Techniques for Detection of Skin Cancer	Sonam Khatta, Ravinder Kaur, Ganesh Gupta
173	An algorithm to impute missing values in medical datasets to predict the risk of diseases in patients	Hutashan Vishal Bhagat, Manminder Singh

### Track 2 - Communications and Signal Processing

<b>Session Chairs</b>	<b>Dr. V. R. Singh, Dr Shiban Koul, Dr. Ashu Verma</b>	
<b>Session Coordinator</b>	<b>Dr. Htet Ne Oo   9041120510</b>	
<b>Venue</b>	<b>TB-308, Tesla Block</b>	
<b>Time</b>	<b>03:00 PM to 05:00 PM</b>	
<b>Mode of presentation</b>	<b>Physical</b>	
PID	Title	Author Names
52	Optical Frequency Comb Generation by Using Higher Order Susceptibility in SOA	Priyanka Verma, Sukhbir Singh
54	Heterogenous Public Safety Wireless Networks with mmWave Small Cells: An IAB-based Approach	Pimmy Gandotra
166	Feedback for faculty on student's asynchronous learning based on classification using Topic Modelling	Radhika Amashi, Sujay Dandgall, Vijayalakshmi M
182	Back radiation reduction in a UWB antenna using metamaterial surface for wireless communication devices	Deepa Negi
210	Fragmentation-Aware RCSA Algorithm for Fair Spectrum Allocation in SDM-EON	Baljinder Singh Heera, Anjali Sharma, Varsha Lohani, Y. N. Singh

**Track 3 - Devices, Circuits, Systems and VLSI Technologies**

<b>Session Chairs</b>	<b>Prof. (Dr.) A Q Ansari, Prof. (Dr.) Sneha Kabra, Dr. K. K. Mishra</b>	
<b>Session Coordinator</b>	<b>Dr. Heena Wadhwa   8198060666</b>	
<b>Venue</b>	<b>TB-309, Tesla Block</b>	
<b>Time</b>	<b>03:00 PM to 05:00 PM</b>	
<b>Mode of presentation</b>	<b>Physical</b>	
<b>PID</b>	<b>Title</b>	<b>Author Names</b>
214(IP)	Impact of Temperature on Negative Capacitance FET: A TCAD simulation study	Yash Pathak, Rashi Mann , Bansi Dhar Malhotra, Rishu Chaujar
48	MOS Current Mode Logic (MCML) based techniques for D-Flip Flop in 180nm Technology using LTspice	Ajay Dhull, Ashok Mittal
78	Impact of Technology Scaling in DSM Region on Performance of Intercalation-doped MLG NR as VLSI interconnects	Tajinder Kaur, Mayank Rai, Rajesh Khanna
120	Numerical Simulations of FASnI3 based Solar Cell with the Variation of Absorber Layer Thickness	Savita Rawat , Savita Kashyap, Jaya Madan, Rahul Pandey
137	Comparative Analysis of TCAD augmented ML Algorithms in modeling of AlGaIn/GaN HEMTs	Shivansh Awasth, Pragyey Kumar Kaushik, Vikas Kumar, Ankur Gupta
260	Design of a Low-power 4th order Composite folded flipped Source Follower Filter for biological Applications	Diksha Thakur

**Track 4 - Industrial and Commercial Applications of Technologies**

<b>Session Chairs</b>	<b>Dr. Subrata Mukhopadhyay, Prof. (Dr.) Purna Gaur</b>	
<b>Session Coordinator</b>	<b>Dr. Tanya Gera   9501635889</b>	
<b>Venue</b>	<b>TB-320, Tesla Block</b>	
<b>Time</b>	<b>03:00 PM to 05:00 PM</b>	
<b>Mode of presentation</b>	<b>Physical</b>	
<b>PID</b>	<b>Title</b>	<b>Author Names</b>
59	Indian Railways in PAT Scheme: Achievements, Outcome and Way Forward for Enhancing Energy Efficiency	Nikhil Prasad, Vijay Kumar Dut, Abhay Bakre, Milind Deore
68	Evidence based Employee Analytics using Taxonomy enabled Knowledge Graph	Rishu Jamaiyar, Nitin Aggarwal, Shivam, Alina Rizvi, Apuroop Bhushanam, Sandeep Varma
88	Optimization of Electron and Hole Transport Layers in MASnI3 Perovskite Solar Cell	Abhilash Prasad Sharma, Saurabh Chanana
106	Commercial Solar PV Off-Grid Battery Charging/Swapping Station: Opportunity and Solution	Akash Deep Verma, Virat Shishodia , Anuradha Tomar, Purna Gaur
213	A Study on Impacts of Ambient Lights and Skin Tone for Contactless Blood Oxygen Measurement using Visible Spectrum Facial Videos	Arulsevi R, Vijay Jeyakumar, Gowri Vidhya N, Yuvaraj V
259	A Critical Review on Occupant's Thermal Comfort inside Electric Vehicle Car Cabin	Abhishek Wadhwa, Mohit Kalsia

**Track 5 - Engineering Education**

<b>Session Chairs</b>	<b>Dr. Shruti Jain, Dr. Vijayalakshmi M.</b>	
<b>Session Coordinator</b>	<b>Ms. Gagandeep Kaur   9915665579</b>	
<b>Venue</b>	<b>TB-322, Tesla Block</b>	
<b>Time</b>	<b>03:00 PM to 05:00 PM</b>	
<b>Mode of presentation</b>	<b>Physical</b>	
<b>PID</b>	<b>Title</b>	<b>Author Names</b>
156	Effectiveness of Game Based learning in PBL	Prakash Hegade , Omkar Patil, Ashok Shettar
157	Effectiveness of Metaphors in Problem Based Learning	Prakash Hegade, Aryan HS, Ashok Shettar
201	Understanding the Influence of Students' Emotions in Academic Success	Sahana Koppad, Jyoti Gadad, Preeti Patil , Vijayalakshmi M
254	Game-based formative assessment strategy for improving decision-making skills for first-year engineering students in blended learning	Madhu V Asundi , Vijayalakshmi M
255	Automated Formative Assessment for Descriptive Solutions	Siddharth R Bhusnur, Madhu V Asundi , Preeti Patil
257	Examining The Impact of Teaching Electronics Fundamentals in Different Learning Environments on Student's Conceptual Knowledge	Rashpinder Kaur, Archana Mantri, Pratibha Nagabhushan, Gurjinder Singh

## Day - 2 : 25th February, 2023

### Track 1.1 - Data Science, Computing and Advanced Analytics

<b>Session Chairs</b>	<b>Dr. Gururaj HL, Dr. Vikas Khullar</b>
<b>Session Coordinator</b>	<b>Dr. Htet Ne Oo   9041120510</b>
<b>Venue</b>	<b>TG-201, Turing Block</b>
<b>Time</b>	<b>02:15PM to 05:00PM</b>
<b>Mode of presentation</b>	<b>Physical</b>

PID	Title	Author Names
73	Face Spoofing Detection System using Local Invariant Feature Set	Bineet Kaur
191	Predictive Machine Learning Techniques for Diabetes Detection: An Analytical Comparison	Archana Saini, Kalpna Guleria , Shagun Sharma
192	Cloud Computing: Resource Management, Categorization, Scalability and Taxonomy	Aryan Manchanda, Arshdeep Kaur, Amanpreet Kaur
230	Crop Recommendation Application Using Ensemble Classifiers	Uday Kiran G , Kusumasri Belide, Sanjay Satyavada, Srilakshmi V
249	An Analytical Review on Image Enhancement Techniques	Preeti Sharma, Neelam Kumari, Isha Kansal
263	Iris and Periocular Recognition using Shape Descriptors and Local Invariant Features	Bineet Kaur

### Track 1.2 - Data Science, Computing and Advanced Analytics

<b>Session Chairs</b>	<b>Dr. Rahul Johri, Dr. Rupali Gill</b>
<b>Session Coordinator</b>	<b>Dr. Ankit Bansal   9815354056</b>
<b>Time</b>	<b>02:15PM to 05:00PM</b>
<b>Mode of presentation</b>	<b>Virtual</b>
<b>Link</b>	<b><a href="https://meet.google.com/hpr-cmex-orc">https://meet.google.com/hpr-cmex-orc</a></b>

PID	Title	Author Names
28	Malware Classification using Deep Learning Techniques	Bhavya Dawra, Ananya Navneet Chauhan, Ritu Rani, Amita Dev, Poonam Bansal, Arun Sharma
46	Decentralized Network for Cloud Storage	Kshitij K, Chirag N, Gaurav Gupta
49	Sound AI Engine for Detection and Classification of Overlapping Sounds in Home Environment	Saroj Anand Tripathy ,Adeel Abdul Sakkeer, Utkarsh, Deepanshu Saini, Swathi Jamjala Narayanan, Sourabh Tiwari, Kalyanraman Pattabiraman, Rashmi T S
50	A Comprehensive Review on Deep Learning Approaches for Question Answering and Machine Reading Comprehension in NLP	Rejimoan R, Gnanapriya B, Jayasudha J S
53	Brain tumour detection and segmentation analysis with machine learning and sub-variant techniques: a perspective study	Naresh Kumar Trivedi, Ravika Goel
115	Blockchain Intelligence: fusion for future Various Possibilities and Opportunities in Industrial IoT	Aleem Ali
126	Salesforce technology: A Complete CRM Solution on Cloud	Ankur Dumka, Sakshi Kohli, Rajesh Singh, Aman Agarwal, Prince Rana
189	Supervised satellite image retrieval using defined patterned with ASMC	Rizwana Shaikh, Rizwana Gaikwad

### Track 1.3 - Data Science, Computing and Advanced Analytics

<b>Session Chairs</b>	<b>Dr. Naresh Trivedi, Dr. Monit Kapoor</b>
<b>Session Coordinator</b>	<b>Dr. Sangeetha Annam   9646444006</b>
<b>Time</b>	<b>02:15PM to 05:00PM</b>
<b>Mode of presentation</b>	<b>Virtual</b>
<b>Link</b>	<b><a href="https://meet.google.com/kgm-ekcc-ccm">https://meet.google.com/kgm-ekcc-ccm</a></b>

PID	Title	Author Names
121	Data Analytics of Online Education during Pandemic Health Crisis: A Case Study	Ankur Dumka, Ishteyaaq Ahmad, Sonal Sharma, Rajiv Kumar, Saurabh Dhyani



PID	Title	Author Names
122	Smart Monitoring of Aquaculture for Sustainable Aquaculture	Ankur Dumka, Poonam Rawat, Samta Kathuria, Rajesh Singh , Ankita Joshi, Abhinav Khurana
123	Artificial Intelligence and Internet of Things -Based Water Quality Health System	Ankur Dumka , Shweta Pandey, Poonam Rawat, Rajesh Singh , Rajat Baliyan, Ankita Joshi
139	PCSVN: A Hybrid approach using Particle Swarm Optimization and Cuckoo Search for effective cancer diagnosis	Sudhir Kumar Senapati, Manish Dr Shrivastava, Satyasundara Mahapatra
203	Chest X-Ray Image Analysis for Respiratory Disease Prediction using Grad-CAM	B Padmaja, M Nagaraju, Madhubala Myneni, Nandhan S Varma , K Meghana, Krishnaveni S
204	Maneuvering Machine Learning Algorithms to presage the attacks of Fusarium oxysporum on Cotton Leaves	Anurag Dutta, Pijush Kanti Kumar, Ankita De, Padmanavan Kumar, John Harshith, Yash Soni
206	Performance Analysis of Rules Generated Hybrid Optimization Algorithm for resource allocation and migration in the cloud environment	Nidhika Chauhan
247	Pramanik Shastra: Blockchain-Based Natural User Interfaces and Interaction approach for storage and translation of Sanskrit Scripts	Digvijay Singh, Garvit Vijay, Akanksha Gupta, Kiran Khatter, Atul Mishra

### Track 2 - Communications and Signal Processing

<b>Session Chairs</b>	<b>Prof. (Dr.) T.L. Singhal, Dr. Harsimranjit Kaur</b>
<b>Session Coordinator</b>	<b>Dr. Jatin Arora   9888448531</b>
<b>Time</b>	<b>02:15PM to 04:30PM</b>
<b>Mode of presentation</b>	<b>Virtual</b>
<b>Link</b>	<b><a href="https://meet.google.com/mgm-xmoe-onk">https://meet.google.com/mgm-xmoe-onk</a></b>

PID	Title	Author Names
81	Review on Opportunistic Routing Protocols for Underwater Sensor Networks with Open Issues	Ramanjeet Singh , Amit Jain
159	Enhancement of Energy Optimization in Semi Joint Multipath Routing Protocol Using QoS Based On Mobile Ad-Hoc Networks	Anil Kumar, R. K Shukla, R.S Shukla
174	Vhanced: Efficient Video Super Resolution for Edge Devices	Ashish Papanai, Siddharth Babba, Anshuman Pandey, Harshit Kathuria , Alok Kumar Sharma, Namita Gupta
200	Comparative study of Plier and Moon shape Antenna for best Bandwidth	Aditya Tiwari, kanchan cecil
207	Coplanar slotted Circular Patch Antenna with Loaded Periodic Structure for RFID/WLAN/Wi-MAX/Satellite Communication	Maxon Okramcha, Malay Ranjan
208	Design and analysis of Frequency Selective Surface for Airborne Radome Wall Application	Maxon Okramcha, Malay Ranjan
218	A comparative analytical survey on RIP, EIGRP and OSPF	Prabhjot Singh, Tanvi Sood
221	Opportunistic Interference Alignment for Cognitive MIMO-NOMA Downlink Networks	Sandhya Son, N.M. Banka, Rahul Makkar, Divyang Rawa, Nikhil Sharma , Kishor Maradia

### Track 3 - Devices, Circuits, Systems and VLSI Technologies

<b>Session Chairs</b>	<b>Dr. Angsuman Sarkar, Dr. Manash Chanda</b>
<b>Session Coordinator</b>	<b>Dr. Heena wadhwa   8198060666</b>
<b>Venue</b>	<b>TG-202, Turing Block</b>
<b>Time</b>	<b>02:15PM to 04:30PM</b>
<b>Mode of presentation</b>	<b>Physical</b>

PID	Title	Author Names
287 (IP)	Tunnel FET based Standard Logic Cell Implementation: A Circuit Perspective	Joy Chowdhury, Angsuman Sarkar, Kamalakanta Mahapatra, J. K. Das
119	Influence of Absorber Thickness on the Performance of Sb2S3 based Solar Cell using Numerical Simulations	Vishal Yadav, Savita Kashyap, Rahul Pandey, Jaya Madan
158	Impactful Study of a Counter-doped Pocket on a Charge Plasma Tunnel FET Biosensor	Priyanka Goma, Ashwani Rana
187	DC, RF and Noise Characterization of AlGaIn/GaN HEMT	Shivansh Awasth, Vikas Kumar, Pranav Kumar Shrivastava, Pragyey Kumar Kaushik, Ankur Gupta
195	Study of a MEMS DETF resonator for performance evaluation based on the impact of TED	Anshu Sharma, Harsimran Kaur, Vijay Kumar
258	Effect of cubic and quintic nonlinearities on spatially generated RWs in CQDNLSE	Shivani Malhotra, MishuGupta, Rama Gupta, Amit Kumar

#### Track 4 - Industrial and Commercial Applications of Technologies

<b>Session Chairs</b>	<b>Dr. Raj Gaurang, Dr. Shivani Malhotra</b>	
<b>Session Coordinator</b>	<b>Dr. Righa Tandon   7006740523</b>	
<b>Time</b>	<b>02:15PM to 05:00PM</b>	
<b>Mode of presentation</b>	<b>Virtual</b>	
<b>Link</b>	<b><a href="https://meet.google.com/tzp-obvs-crg">https://meet.google.com/tzp-obvs-crg</a></b>	
<b>PID</b>	<b>Title</b>	<b>Author Names</b>
74	Graphene-based Materials for Advanced Electronics	Jyoti Sharma, Lavanya Krishan Sharma, Ajay Jakhar, Sharad Sharma
98	Real Time Human Assisted Path Planning for Autonomous Agent using VR	Vineeta Khemchandani, Sushil Chandra
99	Virtual reality based at Tention simulator using EEG SIGNALS	Vineeta Khemchandani, Sushil Chandra
102	Study of relation of human factors on operational modes and display attributes on see-through displays under low visibility conditions	Jhulan Kumar, Surender Singh Sain, Divya Agrawal, Aman Kataria, Vinod Karar
177	Efficient Prediction and Analysis of Monkeypox Skin Lesion: A Comparative Study for Web based Application	Piyush Gupta, Uday Mittal, Tushar Jha, Mini Agarwal, Ajay Tiwari
181	Modeling of Organizational Influencing factors for Smart Manufacturing in the Indian context by using the DEMATEL method	Tejendra Singh Gaur, Vinod Yadav
183	Solar Radiation Forecasting using Customized Artificial Neural Network	Madhur Chauhan, Mamatha Sandhu, Abinash Singh
193	Acid base Experimentation for A Swallowable Medical Device	Bhalchandra Hardas

#### Track 5.1 - Engineering Education

<b>Session Chairs</b>	<b>Dr. Subrata Mukhopadhyay, Dr. Rishu Chhabra</b>	
<b>Session Coordinator</b>	<b>Dr. Tanya Gera   9501635889</b>	
<b>Venue</b>	<b>TG-203, Turing Block</b>	
<b>Time</b>	<b>02:15PM to 05:00PM</b>	
<b>Mode of presentation</b>	<b>Physical</b>	
<b>PID</b>	<b>Title</b>	<b>Author Names</b>
71	Engineering Education and the use of Virtual reality: Idea and Possibility	Ridhi Jindal, S.K. Mittal, Arnav Bansal
154	Open Book Exams: Means and Methods for the Blended and Online Learning Modes	Prakash Hegade, Ashok Shettar
155	Effectiveness of Abstraction in PBL Knowledge Construction	Prakash Hegade, Manjunath Netekal, Ashok Shettar
165	Identifying factors that influence students' participation in an online discussion forum	Mohammed Tayyab Shaikh, Unnati Koppikar, Vijayalakshmi M
217	Control System Engineering through MATLAB - A case study on Project Based Learning	Satyabrata s Sahoo, Mahesh V, T LAVANYA

#### Track 5.2 - Engineering Education

<b>Session Chairs</b>	<b>Dr. Vijayalakshmi M., Dr. Kamali Singla</b>	
<b>Session Coordinator</b>	<b>Dr. Deepak Thakur   9501105889</b>	
<b>Time</b>	<b>02:15PM to 05:00PM</b>	
<b>Mode of presentation</b>	<b>Virtual</b>	
<b>Link</b>	<b><a href="https://meet.google.com/ahc-qoop-ecg">https://meet.google.com/ahc-qoop-ecg</a></b>	
<b>PID</b>	<b>Title</b>	<b>Author Names</b>
96 (IP)	Evaluating attained enhancement of retinal images using proposed model in comparison with clahe and morphological operations	Dr. Gagandeep Jagdev , Rajwinder Kaur, Richa Brar
8	Social media and networking applications in the education sector: A Case of Delhi-NCR students	Tanushree Sanwal, Sandhya Avasthi
16	Examining parameters that influence choice of learners in selecting Massive Open Online Courses	Priyanshi Srivastava, Saru Dhir, Nitasha Hasteer, KM Soni
131	Selection of area and collect required data for power prediction of a solar plant	Shubham Soni
134	Fuzzy Rule Based Collaborative Peer Learning Methodology for Gradual Learning Engineering Students	Nitin K Saxena, Praveen Kumar Tyag, Neeraj Kumar Gupta
244	An Intelligent Healthcare system for Diagnosis based on Machine Learning Technique	Lakshita Aggarwal, Puneet Goswami, Shivani Batra, Prakash Srivastava

Track 1 - Data Science, Computing and Advanced Analytics

Session Chairs	Dr. Gagandeep Jagdev
Session Coordinator	Dr. Saravjeet Singh   9050366551
Time	10:00AM to 12:30PM
Mode of presentation	Virtual
Link	<a href="https://meet.google.com/niv-ttfr-bwd">https://meet.google.com/niv-ttfr-bwd</a>

PID	Title	Author Names
124	Gender Equality and AI: Challenges and Future Directions	Ankur Dumka, Akansha Pandey, Anita Gehlot, Shweta Pandey, Abhishek Joshi, Vaibhav Uniyal
125	Integrating Blockchain, Digital Signature, And Cloud Computing Technologies to Build Robust Smart Contract	Ankur Dumka, Kanishka Vaish, Vaibhav Uniyal, Samta Kathuria, Anita Gehlot, Abhishek Joshi
127	Real-time Skin Disease Prediction System using Deep Learning Approach	Ankur Dumka, Sameer Dev Sharma, Sonal Sharma, Nachaat Mohamed, Abhishek Mr Pathak
215	Paddy yield forecasting using Regression Techniques	Chandrakumar T, Mirdula K, Avanthica Sri M M, Monika K
229	Leaky Integrate and Fire neuron as Pacemaker for Interval Timing	Komala Anamalamudi, Raju Surampudi Bapi, Goutam Chakraborty, Nirupa Vakkala
243	Performance Analysis of Knowledge Based Optimization Algorithm for Effective Resource Allocation	Nidhika Chauhan
250	A Novel Online Quizzing System for Blind People by implementing Modern Voice Recognition Techniques	Vikas Kamra, Alankrita Singh, Priyanshi Sharma, Ritu Yadav
266	Improving the Accuracy of Heart Disease Prediction Approach of Machine Learning Algorithms	Belal Hossain, Mohammed Nasir Uddin, Syada Tasmia Alvi, Chowdhury Abida Anjum

Track 3 - Devices, Circuits, Systems and VLSI Technologies

Session Chairs	Dr. Angsuman Sarkar
Session Coordinator	Mr. Sagar Juneja
Time	10:00AM to 12:30PM
Mode of presentation	Virtual
Link	<a href="https://meet.google.com/crp-ajbm-bhb">https://meet.google.com/crp-ajbm-bhb</a>

PID	Title	Author Names
197	Implementation of Logic Gates using Charge Plasma Based Tunnel FET	Nikita Mahoviya, Dharmendra Singh Yadav, Prabhat Singh
198	Design of Error Tolerant Subtractor using Truncation Approximation Technique	Zarak Bhat, Sajad A Loan, Neelofar Afzal
199	Intelligent Technique for Smart Locust Swarm Detection and Prevention Shield for Agricultural Fields	Kapil Mehta, Vandana Mohindru Sood, Aayushi Aayushi, Pratham Chhabra
202	Lattice Heating effects on Electric Field and Potential for a Silicon on Insulator (SOI) MOSFET for MIMO applications	B Veena Vani
209	Theoretical Investigation of Thickness Variation on Ga2O3 MESFET: Depletion to Enhancement Mode Transition	Rahul Kumar, Anshul Rawtani, Aishwarya Tomar
245	Nanocrystalline heterojunction device fabrication and characterization using CdSe	Charita Mehta

Track 4 - Industrial and Commercial Applications of Technologies

Session Chairs	Dr. Subrata Mukhopadhyay
Session Coordinator	Dr. Rishu Chhabra   9988825381
Time	10:00AM to 12:30PM
Mode of presentation	Virtual
Link	<a href="https://meet.google.com/hnm-coix-qte">https://meet.google.com/hnm-coix-qte</a>

PID	Title	Author Names
80	Modelling and Simulation of a Bi-Directional DC to DC Converter System	Tapas Halder



PID	Title	Author Names
108	Fault Detection and Localization Technique in the Power System	Tapas Halder
194	PEM-Fuel cell Based Microgrid with NSC Control Strategy	Kalpna Bijayeeni Samal, Swagat Pati, Renu Sharma, Samadrito Dash
225	Automatic observation and Detection of Fault for Solar Photovoltaic system with Multilevel Inverter Topology	Sachin Thakur
252	Disease Prediction System Using Machine Learning	Chirag Dayaraman, Disha Raghan, Yugchhaya Galphat, Laveena Kithani , Yash Kriplani

## LOCAL ORGANIZING COMMITTEE

• Dr. Rishu Chhabra

• Mr. Sagar Juneja

• Dr. Vijay Jadon • Dr. Shivani Malhotra • Dr. Monit Kapoor • Dr. Rupali Gill • Dr. Raj Gaurang Tiwari • Dr. Pradeepta Sarangi

• Dr. Saravjeet Singh • Dr. Gagan Singla • Dr. Maninder Pal Singh • Dr. Tanya Gera • Dr. Vikas Khullar  
 • Dr. Sangeetha Annam • Dr. Htet Ne Oo • Dr. Heena Wadhwa • Ms. Gagandeep Kaur

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