

PROGRAMME SCHEDULE
 IEEE International Conference on
Device Intelligence, Computing and Communication Technologies (DICCT-2023)
GRAPHIC ERA (DEEMED TO BE UNIVERSITY)
 Dehradun, Uttarakhand, INDIA

DAY 1, FRIDAY, MARCH 17, 2023

8:00 am Conference Registration and Delegates Welcome (Venue: Chanakya Block)

8:45 am INAUGURATION (Venue: Seminar Hall (Vidhan Sabha), Chanakya Block)

9:30 am **Keynote Session 1: Prof. Bansi Dhar Malhotra, Professor (Emeritus), Delhi Technological University, New Delhi, India**
 Venue: Seminar Hall (Vidhan Sabha), Chanakya Block

10:10 am HIGH TEA

10:40 am **Keynote Session 2: Prof. M. Jaleel Akhtar, Department of Electrical Engineering, IIT Kanpur, UP, India**
 Venue: Seminar Hall (Vidhan Sabha), Chanakya Block

11:30 am **Keynote Session 3: Prof. Sukho Park, Daegu Gyeongbuk Institute of Science and Technology, South Korea**
 Venue: Seminar Hall (Vidhan Sabha), Chanakya Block

12:10 pm **Keynote Session 4: Dr. Sanjay Kumar, Associate Professor, BIT Mesra, Ranchi, India**
 Venue: Seminar Hall (Vidhan Sabha), Chanakya Block

1:00 pm LUNCH

Device Intelligence

Computing Technologies

Next generation Communication and Networking

2:30 pm TO 5:00 pm
 Session Chair:
 Prof. Naushad Alam, AMU
 Dr. Abhay Sharma, GEU

Session Chair:
 Dr. Zeeshan Ansari, Jamia
 Prof. Shalini Singh, GEU

Session Chair:
 Prof. Faiyaz Ahmad, Jamia
 Prof. Varij Panwar, GEU

Session Chair:
 Dr. Santosh Gupta, MNNIT
 Dr. Gourav Verma, GEU

Session Chair:
 Dr. Arun Prakash, MNNIT
 Prof. Rishi Prakash, GEU

Session Chair:
 Dr. Basant Kumar, MNNIT
 Prof. Pradeep Juneja, GEU

**Parallel Session 1D
 (Paper ID)**

**Parallel Session 1C
 (Paper ID)**

**Parallel Session 2C
 (Paper ID)**

**Parallel Session 3C
 (Paper ID)**

**Parallel Session 1N
 (Paper ID)**

**Parallel Session 2N
 (Paper ID)**

Venue: Vidhan Sabha,
 Chanakya Block

Venue: Conference Hall,
 K. P Nautiyal Block

Venue: Seminar Hall,
 CSIT Block

Venue: Conference Hall,
 CSIT Block

Venue: Conference Hall,
 OLD MCA

Venue: Project Lab, 2nd
 Floor, B.Tech Block

2:30 pm

10

69

244

131

93

88

2:45 pm

66

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116

201

92

457

3:00 pm

28

420

180

85

41

588

3:15 pm

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47

105

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142

3:30 pm

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531

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210

3:45 pm

HIGH TEA

4:00 pm

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121

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4:15 pm

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207

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4:30 pm

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553

209

137

89

36

4:45 pm

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494

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173

DAY 2, SATURDAY, MARCH 18, 2023

9:00 am	Keynote Session 1: Prof. Ashutosh Dutta, Senior Scientist and 5G Chief Strategist at the Johns Hopkins University Applied Physics Laboratory, USA Venue: Seminar Hall (Vidhan Sabha), Chanakya Block					
9:50 am	Keynote Session 2: Prof. Rajeev Tripathi, Department of ECE, Ex-Director, MNNIT Allahabad, Prayagraj, UP, India Venue: Seminar Hall (Vidhan Sabha), Chanakya Block					
10:30 am	HIGH TEA					
11:00 am	Keynote Session 3: Prof. Sudeb Dasgupta, Indian Institute of Technology Roorkee, UK, India Venue: Seminar Hall (Vidhan Sabha), Chanakya Block					
11:40 am	Keynote Session 4: Prof. Ajit Kumar Chaturvedi, Professor (HAG), Department of Electrical Engineering, IIT Kanpur, Ex-Director-IIT Roorkee, India Venue: Seminar Hall (Vidhan Sabha), Chanakya Block					

12:30 pm TO 1:30 pm	Device Intelligence		Computing Technologies			IEEE Young Professional
	Session Chair: Prof. Naushad Alam, AMU Dr. Abhay Sharma, GEU	Session Chair: Dr. Zeeshan Ansari, Jamia Prof. Shalini Singh, GEU	Session Chair: Prof. Faiyaz Ahmad, Jamia Prof. Varij Panwar, GEU	Session Chair: Dr. Santosh Gupta, MNNIT Dr. Gourav Verma, GEU	Session Chair: Dr. Arun Prakash, MNNIT Prof. Rishi Prakash, GEU	Session Chair: Dr. Basant Kumar, MNNIT Prof. Pradeep Juneja, GEU
	Parallel Session 2D (Paper ID)	Parallel Session 3D (Paper ID)	Parallel Session 4C (Paper ID)	Parallel Session 5C (Paper ID)	Parallel Session 6C (Paper ID)	Parallel Session 1I (Paper ID)
	Venue: Vidhan Sabha, Chanakya Block	Venue: Conference Hall, K. P Nautiyal Block	Venue: Seminar Hall, CSIT Block	Venue: Conference Hall, CSIT Block	Venue: Conference Hall, OLD MCA	Venue: Project Lab, 2nd Floor, B.Tech Block
12:30 pm	490	67	353	658	198	453
12:45 pm	22	167	521	295	523	232
1:00 am	460	231	79	419	33	83
1:15 am	63	15	125	80	501	8
1:30 pm	LUNCH					

2:30 pm TO 5:00 pm	Device Intelligence		Computing Technologies			Next generation Communication and Networking
	Session Chair: Prof. Naushad Alam, AMU Dr. Abhay Sharma, GEU	Session Chair: Dr. Zeeshan Ansari, Jamia Prof. Shalini Singh, GEU	Session Chair: Prof. Faiyaz Ahmad, Jamia Prof. Varij Panwar, GEU	Session Chair: Dr. Santosh Gupta, MNNIT Dr. Gourav Verma, GEU	Session Chair: Dr. Arun Prakash, MNNIT Prof. Rishi Prakash, GEU	Session Chair: Dr. Basant Kumar, MNNIT Prof. Pradeep Juneja, GEU
	Parallel Session 4D (Paper ID)	Parallel Session 5D (Paper ID)	Parallel Session 7C (Paper ID)	Parallel Session 8C (Paper ID)	Parallel Session 9C (Paper ID)	Parallel Session 3N (Paper ID)
	Venue: Vidhan Sabha, Chanakya Block	Venue: Conference Hall, K. P Nautiyal Block	Venue: Seminar Hall, CSIT Block	Venue: Conference Hall, CSIT Block	Venue: Conference Hall, OLD MCA	Venue: Project Lab, 2nd Floor, B.Tech Block
2:30 pm	204	106	660	135	250	65
2:45 pm	261	136	592	101	188	134
3:00 pm	109	113	199	171	139	584
3:15 pm	572	31	664	182	165	211
3:30 pm	586	54	78	186	39	659
3:45 pm	HIGH TEA					
4:00 pm	140	663	459	193	594	
4:15 pm	175	215	456	221	45	
4:30 pm	222	438	492	148	170	
4:45 pm	661					
5:00 pm	Valedictory Remarks and Certificate Distribution (Venue: Seminar Hall (Vidhan Sabha), Chanakya Block)					

Paper ID	Paper Title	Author Names
7	Comparative Study of Various Breath Assist Devices and the Effect of Sleep Apnea (SA) Among the Indian Population	J, Delpha; Kokil, Priyanka ; S, Subramanian; Thiruvengadam , Jayanthi*
8	Internet of Things (IoT) Based Cost Effective Weather Monitoring Station	Chakraborty, Subhradip; Joshi, Tanmay; Agarwal, Sajal*
10	Impact of Ge Mole Fraction on the Performance of Si1-xGex/InAs Charged Plasma-Based JLTFET	Kumar, Kaushal*; Yadav, Preeti; Sharma, Subhash Chander
15	Impact of Parasitic Resistance on Modelling and Performance of Solar Photovoltaic Module	Chandel, Tarana A*; YASIN, MOHD YUSUF; MALLICK, MOHAMMED ARIFUDDIN
22	FPGA Implementation of Chaotic Oscillators	Jauhari, Akshat*; Varshney, Madhur; Alam, Naushad
28	4-trit CNFET-based Arithmetic Logic Unit	Kumar, Aman ; Gupta, Santosh Kumar*
29	10-bit SAR ADC for Biomedical Sensor Applications	Mehra , Saurav ; Gupta, Santosh Kumar*
30	In-Memory Half Adder Computation using CNTFET transistors in 8T SRAM	Ahmad, Nabeel; Kumar, Aman; Gupta, Santosh Kumar*
31	Absorber Layer Doping Concentration Optimization of Lead-Free Cs2CuSbCl6 Perovskite Solar Cells for Improved Efficiency	Vaid, Aditya; Kumar, Vinay; Kumar, Ajay*
33	A Paradigm Shift towards Computer Vision	N, Chaithra; Jha , Janhvi ; Sayal, Anu; Gupta, Veethika; Gupta, Ashulekha*
34	Performance evaluation of FiWi based OCDMA system	Kumari, Meet *
36	Unmanned Aerial Vehicles (UAVs): Evaluation of OLSR, DSDV, AODV, and DSR Dynamic Routing Protocols	gupta, vinti*
39	The Enhancement in Road Safety using Different Image Detection and Recognition Techniques: - A State of Art	Agarwal, Megha*
41	Design of Frequency Domain Metric for Evaluation of Mode Decomposition Algorithms	Navalyal, Geeta U*; Navalyal, Apoorva; Naik, Sayali
42	High Gain, Compact Design Integrated With FSS As Superstrate In Patch Antenna For Sub6 Ghz 5G Application	Ara, Shabnam*; SURESH, PRASANTHI nunna; LABIBA, LABIBA
45	Deep Features for image copy move forgery detection	dwivedi, Prajjwal*; Bhatia, Mansi; Jain, Nishika
47	Applications of IoT in Retail: A Systematic Review	Gupta, Omdeep*; Joshi, Pradeep
52	Monitoring flash flood using Optical and Microwave Sensor dataset:- A case study of Cachar district, Assam (India)	Rawat, Kishan Singh*; Mehta, Akshay
54	Design and Investigation of Stacked Nanosheet Transistor Parameters for Analog Performance	Kakar, Varun Kr.*; Pal, Dr. Pankaj Kumar
55	Effect of Wfin, Hfin and Lg on the performance of 14-nm FinFET for analog and RF applications	VIJAYA, PIDAPARTHY*; Lorenzo, Rohit

56	Analysis of Heart Disease Prediction using Various Machine Learning Techniques: A Review Study	Joshi, Kapil*; Reddy, G Abhishek
57	Recent Advancements in Structural Health Monitoring using Optical Sensor	Agarwal, Sajal*; Srivastava, Gargi
61	Comparative Analysis of Static and Mobile Anchors in Sensor Localization	Kulkarni, Vaishali R*
62	Review and Performance Analysis of Inductorless Charge Pumps for Low-Power Applications	Pawar, Vishal Satish*
63	Implementation of Digital Applications Using Efficient CML based designs	CHOUDHARY, BHARAT*
65	Isolation Enhancement in a Two-Element MIMO Antenna Using Electromagnetic Metamaterial	SINGH, GHANSHYAM; Abrol, Ajay; Kumar, Sachin*; Kanaujia, Binod Kumar; Pandey, Vijay Kumar
66	A Low Power Feedback Cutting 8T SRAM Cell for Improved Stability	Lorenzo, Rohit *; PHANI KUMAR, APPIKATLA; Ulleti, Prajvalitha; Singh, Avtar
67	Analysis of AlGaIn/GaN Interface Traps in Enhancement-mode p-GaN HEMT	Nautiyal, Priyanka*; Pande, Peyush; Kundu, Virendra ; Joshi, Vikas
69	Algorithm Trading through Application Programming Interface (API) in Indian Stock Market	Aditi, Mohan; Bohra, Dr. N S*; Sakshi, Bansal
75	Simulation Study of a Compact UWB Antenna for Detection of Breast Tumors using Microwave Imaging Technique	Grover, Priyanka*; Singh, Dr. Hari Shankar; Sahu, Dr. Sanjay Kumar
78	Enhancement of Security Posture in Smart Farming: Challenges and Proposed Solution	sarowa, sandeep*; Kumar, Vijay; Bhanot, Bhisham; Kumar, Munish
79	Analysis of Attack Patterns and Cyber Threats in Healthcare Sector	sarowa, sandeep*; Bhanot, Bhisham; Kumar, Vijay; Kumar, Munish
80	Performance Evaluation and Analysis of IoT Network using KNN and SVM	Sivaraman, Himani; Garg, Umang Mr*; Aggarwal, Anshika; Sharma, Neeta; Sharma, Appurva
82	A Characterization Study of Mutual Coupling between Rectangular Microstrip Patch Antennas	R, Shishir*
83	Design Process Of Wideband Power Amplifier In The L-Band Frequency Range	Kumar, Yogesh Mr.*; Ray, KP
85	Development of IoT enabled framework for LPG Gas Leakage Detection and Weight Monitoring System	Bhatia, Sandeep*; GAUTAM, DEVRAJ; Goel, Neha; H S, Ganesha; Mallikarjuna, Basetty; Naib, Bharat Bhushan
86	Ev-MDP : A Novel Metaheuristic Technique for Heart Disease Detection	Goyal, Somya Rakesh*
88	Secrecy Outage Probability of NOMA Network under Amplify-and-Forward Scheme	Jain, Bhavya*; Yadav, Dharmendra; Singh, Rajneesh Kumar; Ranjan, Ravi; Singh, S Pratap
89	Distribution of Nanomachines over Nano-networks	Jain, Nishika *; Yadav, Jyoti; Chugh, Urvashi; Ranjan, Ravi; Singh, S Pratap
92	Disorientation of Path of Birds Due to Electromagnetic Waves	choudhary, rocky*; Kumar, Vijay
93	A study on intensity of sound for variable frequency (165Hz to 210Hz)	Sharma, Vani*; Kumar, Vijay; Pathak, Praveen
99	The Future IoT: The Current Generation 5g and Next Generation 6g and 7g Technologies	Mallikarjuna,, Basetty; Pandey, Ayush; Singh, Yuvraj; Bhushan, Bharat; Bhatia, Sandeep*

101	Python And Opencv For Sign Language Recognition	Srinivasan, R; Mallikarjuna, Basetty; Kavith, R; Kavith, M; Bhushan, Bharat; Bhatia, Sandeep*
105	Dynamics of business and opportunities for employability using predictive modeling tools of Machine Learning and R programming	Prasad, Lalit*; Mishra, Dr Priyanka ; Gupta, Sandeep Kumar; Aslan, Şebnem
106	Effect of channel Variation on DC Performance parameters of MOS and DTMOS technologies	., Komal*
107	Dimensionality Reduction of Multivariate Images Using the Linear & Nonlinear Approach	Pathare, Amit R*; Joshi, Dr.Atul
109	Ring Oscillators based All Digital Phase Locked Loop: A Comparative Study	Gupta, Lipika*; Sharma, Tripti; Bhavani, Saranga
112	SECURITY IN INTERNET OF THINGS: AN OVERVIEW	Pannyagol, bharati*
113	Controlling the Ambipolar Current by using Graded Drain doped TFET	Dhiman, Priyanka; Kavi, Kavindra K; Ratnesh, Dr. Ratneshwar; Kumar, Abhishek*
116	IoT Enabled Low-Cost Real-Time Remote Air Quality Monitoring and Forecasting System	KUMAWAT, ASHOK Kumar*
120	A Systematic Literature Review: Approach Toward Blockchain Future Research Trends	Nandanwar, Himanshu*; katarya, Rahul
121	Based on RDWT and SVD Arnold Transform: A Strong and Secure Image Watermarking Method	Shukla, Bipasha; SINGH, KALPANA*
125	Improving Pronunciation of the Students of Uttarakhand Region using Pre-Defined	arora, shweta; ajayjoshi, kavita; Mohan, Lalit *; koranga, ravindra
131	Artificial Intelligence Based Handwriting Digit Recognition (HDR) - A Technical Review	Priya, Annu*; ., Dr. Yogesh; Ghantasala, G S pradeep
134	Performance Evaluation of Wireless Fading Channels for Indoor Applications	D L, sharini*; Dilli, Ravilla; HEGDE, KANTHI
135	Performance Assessment of Multivariate Statistical and Bagging Ensembles in Landslide Susceptibility Mapping: Case Study of National Highway-10	DEY, SUMON*; DAS, SWARUP
136	Comparative study of Structures of Electrochromic Device for Flexible Electrochromic Display	Dubey, Amarish*
137	Ensemble Approach To Solve Multiple Skin Disease Classification Using Deep Learning	Ghadekar, Premanand Pralhad; Bongulwar, Aashay*; Jadhav, Aayush Ajay; Ahire, Rishikesh; Ali, Sumaan; Dumbre, Amogh
139	Mammographic mass Classification using DL based ROI segmentation and ML based Classification	Rani, Jyoti*
140	Plant Leaf Disease Classification Using Convolutional Neural Network on FPGA	Shah, Parin J.*; Rathod , Gayatri ; Gajjar, Ruchi I.; Gajjar, Dr. Nagendra; Patel, Manish Ishwarlal
142	Fusion of Artificial Intelligence and 5G in defining Future UAV Technologies - A Review	Dash, Bibhu*; F., Meraj; Swayamsiddha, Swati
148	Bibliometric Analysis of White- Collar crimes-Concept and Development using Artificial Intelligence	Singh, Kanika*; Bahuguna, Rajesh; Memoria, Dr. Minakshi; KUMAR, RAJIV
165	Applying Machine Learning & Knowledge Discovery to Intelligent Agent-Based Recommendation for Online Learning Systems	M, Vinoth Kumar; S, Murugesan ; N, Bharathiraja N; K, Pradeepa; NV, Ravindhar; Marappan, Raja*

167	Conformal UWB Antenna with enhanced gain characteristics using Mu-Negative Metamaterial	negi, deepa*
170	Classification and Prediction of Kashmiri Apple Plant by using Deep Learning Techniques	Garg, Umang Mr*; Jadli, Kartikey; Pundir, Rahul Singh ; Manchanda, Mahesh; Gupta, Neha
171	Synthetic Image Generation for Visual Particle Size Distribution Estimation based on U-NET Convolutional Networks	Chavan, Akshay; Schmidt, Antonius; Klopries, Hendrik; Aufderheide, Dominik*
173	A Wide Bandwidth circularly polarized CSRR loaded patch antenna for ISM and C-band applications	J, Siddartha Varma*
175	Four Legged Parallel Manipulator for Autonomous Delivery Robot	Kothari, Mayank Mr.*
180	Performance of CNN for different facial expression images with varying input dataset sizes	Arora, Nitin*; Yadav, Pooja; Tripathi, Kuldeep; Sharma, Subhash
182	Using the Indian MST Radar Noise-Level Observations of Stratosphere-Troposphere Replace Were Made Over the Tropical Station Gadanki	RAO, RAJENDRA PRASAD*; PANDEY, AMREES; YADAV, PRAKHAR
186	A Comparative Study on the Effectiveness of Various Machine Learning Paradigms in Image Recognition and Predictive Modelling	Upadhyay, Deepak*; Gupta, Mridul; Verma, Aditya; Mittal, Saksham
188	A Hybrid Mel Frequency Cepstral Coefficients and Bayesian Gaussian Mixure Model for Voice based Authentication Websites	V, Uma Rani*; P, Moneesh ; M, Sanjeev; Nischitha , Sanchi
193	Comprehensive approach of real time web-based face recognition system using Haar Cascade and LBPH algorithm	Kumar, Ayush*; Singh, Deepanshi
198	Prediction and Detection of Nutrition Deficiency using Machine learning	Kumar Mishra, Amit*; Tripathi, Neha; Gupta, Ashish ; Upadhyay, Deepak; Pandey, Neeraj K
199	Detection of lung disease using an efficient image classification technique	Das, Purushottam*
201	Comparing Classifiers for Recognizing the Emotions by extracting the Spectral Features of Speech Using Machine Learning	MEHRA, PRAMOD*
204	A Comprehensive Analysis of the Architecture of Static Random Access Memory Utilizing CMOS for Mobile Applications	Mishra, Krishan Chandra *
207	Vector Auto-Regression Based Predictive model for Smart Meter	JUKARIA, Mukta*; Upadhyay, Ashutosh; kumar, anuj
209	Efficient Centroid Based Distance Monitoring System Using Deep Learning	Upadhyay, Ashutosh*; kumar, Manish; JUKARIA, Mukta
210	Gain enhancement in UWB antenna using AMC reflector for wireless applications	negi, deepa*
211	Design and Investigation of graphene based 2 × 2 CPW feed Vivaldi MIMO Antenna for THz Applications	Kushwaha, De. Ritesh Kumar*; Shukla, Devesh ; Tripathi, Yogesh ; Pitchai, Karuppanan
213	A novel Compact RHCP Antenna with wide 3 dB AR bandwidth for S-band IRNSS application	Patel, Zalak Y*
215	Low-Cost Blind-Aid Stick to prevent Accidents of Visually Impaired People	Gopal, Kanika*; Uroj, Aleena; Titoria, Jhanvi ; Kumar, Dr. Brijesh

221	Anomaly Detection in Image Processing using Artificial Intelligence	JAIN, SWATI *
222	Field Effect Transistor (FET)-Sensor for Biological Applications	Kothiyal, Suman Rani; Ratnesh, Ratneshwar Kumar *; Kumar, Abhishek
231	Analysis of Performance Parameters and Gate Line Spacing Variation of Vertical Organic Light Emitting Transistors	Tiwari, Chandni; Parandiyal, Srishti*; Mishra, Varun
232	Leveraging the Power of 'Modeling and Computer Simulation' for Education: An Exploration of its Potential for Improved Learning Outcomes and Enhanced Student Engagement	Alam, Ashraf*
244	Interpolative AMBTC based Reversible Data Hiding In Encrypted Images using Rhombus Mean	Goyal, Sanya*; Mittal, Sezal; Aggarwal, Shruti; Kumar, Rajeev
250	Computerized Face Mask Detection System Using Deep CNN and Transfer Learning	Giri, Ayush ; Bisht, Digvijay Singh; Chauhan, Akash*; KUMAR, INDRAJEET
261	Principal Component Analysis of Key Gases in Transformer Oil using DGA Data	Antony Raj, Raymon; Andrews, Leo John Baptist ; Venkatachary, Sampath Kumar; D, Sarathkumar*
295	A Unique Metaheuristic Algorithm for Human Urbanisation	Sharma, Vijay Kumar*; IQBAL, DR. MD.; Pandey , Krishna Mohan ; Mitra, Baldivya
353	Evaluating the impact of smart city on land use efficiency in Dehradun district by using GIS and Remote sensing Techniques	Pokhariya, Hemant Singh*; Singh, Devesh; Rathi, Vikas
419	Federated learning: Applications, Security hazards and Defense measures	Tyagi, Sonam*; Rajput, Ishwari Singh; Pandey, Richa
420	An innovative wheelchair for quadreplegic patient using IoT	Chauhan, Rahul*
438	VLSI Architectures for Video Salient Object Detection using 3D DTCWT	D, Suresh Babu*
453	Strengthening Data Security of India using a mixed approach of Cryptography and Steganography Techniques: A Review	NEGI, LALIT*; Kumar, Sandeep ; Bharti, Manisha
456	Extreme Gradient Boost Classifier based Credit Card Fraud Detection Model	Nijwala, Deepak Singh; Maurya, Dr Sudhanshu*; Thapliyal, M. P. ; Verma , Rohan
457	Community Detection in Networks: A Comparative study	Priya, Annu; Sharma, Suvarna*; Sinha, Keshav; ., Dr. Yogesh
459	Adaptive-Optimal Control for Reconfigurable Robots	Maheshwari, Adya*; Rautela, Aaditya; rayguru, madan; Valluru, Sudarshan K
460	Analysis of Organic Thin Film Transistor based ALU	Marium, Taniza*; Biswas, Satyendra Nath
490	Study of Tsallis Distribution of Plasma inside Paul Trap using 3D Color-Map Plots	Ghosh, Ipshit*
492	Machine Learning Based Theoretical and Experimental Analysis of DDoS Attacks in Cloud Computing	Suman, OM Prakash; Kumar, Mohit*
494	Integrating Global and Local Features for Efficient Face Identification Using Deep CNN Classifier	Jha, Khushboo *; Srivastava, Dr. Sumit; Jain, Dr. (Mrs.) Aruna
496	Spatial Channel Attention based Change Detection in Synthetic Aperture Radar Images	Khandelwal, Luv*; Vudattu, V N Sujit; Pati, Umesh Chandra

501	RGB-D Dataset: The Impact of Yoga and Gym Exercise for Human Activity Recognition	SHARMA, BHAVANA*; SHARMA, VISHAL; panda, jeebananda
521	Standalone SEIG using Smart Meta-Heuristic Algorithm to Optimize its Performance and Loadability	Paliwal, Swati*
523	Steerable Pyramid based Multi Scale Fusion algorithm for Single Image Dehazing	Purkayastha, Paulami*; Choudhry, Mahipal Singh; Kumar, Manjeet
531	Performance Analysis of Nature-Inspired Optimization Algorithms for Chronic Disease Prediction	Yadav, Pooja*; Arora, Nitin; Sharma, Subhash
553	DDoS Attacks Analysis with Cyber Data Forensics using Weighted Logistic Regression and Random Forest	chaudhari, shilpa*; Tolanur , Jyoti
572	Design and analysis of a source pocket dual material hetero dielectric double gate TFET for improved performance	Dhiman, Priyanka; Kavi, Kavindra K; Mishra, R A; Kumar, Abhishek*
584	Improved Channel Model of UAV to UAV Millimeter Wave Link Under Hovering Fluctuations and Doppler Effect	Rupoma, Rifa Tasnim; Akash, Walid Bin Ataur Rahman*; Mostafa, Md Golam
586	Simulation Analysis of High-k Dielectric Junction less FET for Reduction of Subthreshold Leakage Current	CHAUDHARY, ANSHU; Singh, Ashish Kumar; Yadav, Manoj Kumar*
588	IEEE 802.11 DCF MAC Protocol for CR-Enabled WLAN in AdHoc and Infrastructure modes	Joshi, Nandkishor*; Yadav, Preeti; Sharma, S. C.
590	Localization in Precision Agriculture: A Machine Learning Perspective	Yadav, Preeti*; Joshi, Nandkishor; Sharma, S.C
592	VGG-16 based Gait Recognition using Skeleton Features	Ali, Irshad; Junaid, Iman*; Ari, Samit
594	An Improved Video Recommendation System for IoT Devices Using Federated Learning	Kabir, Muqsetin*; Tasfia, Rifa; Mostafa, Md Golam
652	Deep Learning Approach for Detection of Diabetic Retinopathy	Goyal, Somya Rakesh*
656	An Analysis of Crop Recommendation Systems Employing Diverse Machine Learning Methodologies	Bajaj, Madhvan; Rawat, Priyanshu*; Vats, Satvik; Sharma, Vikrant; Rawat, Dolli
658	ASD diagnosis in children, adults, and adolescents using various machine learning techniques	Rawat, Priyanshu*; Bajaj, Madhvan; Vats, Satvik; Sharma, Vikrant
659	Conventional Current Reference Generation Strategies for Grid-Connected Distributed Energy Sources	Joshi, Dr. Jyoti*; Prakash Dubey, Ved Dr ; KANDPAL, JYOTI; Chamoli, Vivek
660	Development of Lane and Zebra Crossing Marker Detection Algorithms	Chamoli, Vivek*; Gowri, R; Prakash Dubey, Ved Dr ; Kandpal, Jyoti ; Joshi, Jyoti; Kumar, Divesh
661	A Hybrid FA for High Performance Arithmetic Application	KANDPAL, JYOTI*
663	Optimization of PV array with PID controller and MPPT(P&O)	SAXENA, SHILPA*; TAYAL, VIJAY KUMAR; Singh, H. P.; Yadav, Vinod
664	Metaheuristic Algorithm Implementation for PV Array Reconfiguration under Realistic Moving Cloud Condition	Kapur, Mridul*; Mahal, Agamdeep; Kumar, Priyanshu ; Pathak, Diwaker; Singh, Manisha; Gaur, Prerna