

CCPIS 2023 Program Schedule

September 1-3, 2023

IEEE Conference Record Number: 59145

Venue : Silicon Institute of Technology, Bhubaneswar, India

Day 1: September 1, 2023 (Friday)

09:30-13:00	Registration Venue: Near Auditorium, 5th Floor				
09:30-10:30	Inaugural Session Venue: Auditorium, 5th Floor				
10:30-11:30	Keynote #1 : Title : Radars and Metasurface Antennas at Millimeter-Waves Speaker : Dr. Goutam Chattopadhyay, NASA Jet Propulsion Laboratory, US Venue : Auditorium, 5th Floor				
11:30-12:00	Group photo & Tea Break Venue : Near Auditorium, 5th Floor				
12:00-13:00	Session 1A Venue : TH1, 2nd Floor Track : MCSD Paper IDs: 33,54,92,97 Session Chair: Prof. Prakash Kumar Rout Session Coordinators: Prof. D. Tripathy Mr. D. Pradhan Mr. C. Das	Session 1B Venue : TH2, 2nd Floor Track : NDS, MSP, CNI Paper IDs: 37,81,162,213 Session Chair: Prof. Manas Ranjan Lenka Session Coordinators: Prof. A. Sahoo Mr. P. Swain Mr. S. S. Panda	Session 1C Venue : TH3, 3rd Floor Track : PEC Paper IDs: 49,64,90,109 Session Chair: Prof. Mihir Mohanty Session Coordinators: Prof. G. R. Biswal Mr. R. Ali Mr. S. Mohapatra	Session 1D Venue : TH5, 3rd Floor Track : ISA Paper IDs: 108,110,142,196 Session Chair: Prof. Sanjeev Kumar Dash Session Coordinators: Prof. R. Mishra Mr. L. K. Barik Ms. S. Mohapatra	
	Lunch Break Venue : Dining Hall, 4th Floor				
	14:30-15:30	Keynote #2 Title: Emerging Trends in Power System Planning, Operation and Control in the Era of RE, EV & ES Speaker : Dr. Ramappa Nagaraja, PRDC Prv. Ltd, India Venue : LH1, 2nd Floor			
	15:30-16:00	Tea Break Venue : Near LH1, 2nd Floor			

16:00-17:30	Session 2A Venue:TH1, 2 nd Floor	Session 2B Venue:TH2, 2 nd Floor	Session 2C Venue:TH3, 3 rd Floor	Session 2D Venue:TH5, 3 rd Floor
	Track : MCSD	Track : NDS, MSP,CNI	Track : PEC	Track : ISA
	Paper IDs: 35,41,53,150,157, 193	Paper IDs: 7,15,65,77,84,163,207	Paper IDs: 55,63,80,161,240,300	Paper IDs: 5,17,50,151,209,278,301
	Session Chair: Prof.Ch. Jayant Praharaj	Session Chair: Prof. Srinivas Ramavath	Session Chair: Prof.Rabi Narayan Mishra	Session Chair: Prof. Pulak Sahoo
	Session Coordinators: Prof. D. Tripathy Mr. D. Pradhan Mr. C. Das	Session Coordinators: Prof. A. Sahoo Mr. P. Swain Mr. S. S. Panda	Session Coordinators: Prof. G. R. Biswal Mr. R. Ali Mr. S. Mohapatra	Session Coordinators: Prof. R. Mishra Mr. L. K. Barik Ms. S. Mohapatra

Day 2: September 2, 2023 (Saturday)

09:30-10:30	Registration Session Venue: Near LT1,2 nd Floor
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10:00-11:00	Keynote #3 Title : Social Networks: Boon or Bane in the (Mis) information Age? Speaker : Dr. Bhaskaran Raman, IIT Bombay, India Venue : LH1, 2nd Floor
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11:00-11:30	Tea Break Venue: Near LH1, 2 nd Floor
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11:30-13:00	Session 3A Venue:TH1, 2 nd Floor	Session 3B Venue:TH2, 2 nd Floor	Session 3C Venue:TH3, 3 rd Floor	Session 3D Venue:TH5, 3 rd Floor
	Track : MCSD	Track : NDS, MSP,CNI	Track : PEC	Track : ISA
	Paper IDs: 72,93,137,232,291,305, 306	Paper IDs: 153, 159, 206,208, 279, 302,308, 334	Paper IDs: 83,143,154,158,198, 201,211,238,246	Paper IDs: 87,88,104,105,112,328, 333
	Session Chair: Prof. Sudhansu K. Pati	Session Chair: Prof. Rabindra K. Barik	Session Chair: Prof. Sudhansu Samal	Session Chair: Prof. Sujata Chakraborty
	Session Coordinators: Prof. D. Tripathy Mr. D. Pradhan Mr. C. Das	Session Coordinators: Prof. A. Sahoo Mr. P. Swain Mr. S. S. Panda	Session Coordinators: Prof. G.R. Biswal Mr. R. Ali Mr. S. Mohapatra	Session Coordinators: Prof. R. Mishra Mr. L. K. Barik Ms. S. Mohapatra

13:00-14:30	Lunch Venue: Dining Hall, 4 th Floor
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14:30-15:30	Keynote #4: Title : Digital Twins Speaker : Namerita Khanna, NXP Semiconductors,India Venue : LH1, 2nd Floor			
15:30-17:30	Session 4A Venue: TH1, 2 nd Floor	Session 4B Venue: TH2, 2 nd Floor	Session 4C Venue: TH3, 3 rd Floor	Session 4D Venue: TH5, 3 rd Floor
	Track : MCSD	Track : NDS, MSP,CNI	Track : PEC	Track : ISA
	Paper IDs: 191,200,248,281,320,325,329,330	Paper IDs: 21,36,66,129,148,179,218, 219,247	Paper IDs: 220,249,251,271,277,289,290,299,332	Paper IDs: 117,121,160,170,188,192,194,324
	Session Chair: Prof. Umakanta Nanda	Session Chair: Prof. S. Champati Rai	Session Chair: Prof. Raj Kishore Swain	Session Chair: Prof. Aditya Acharya
	Session Coordinators: Prof. D. Tripathy Mr. D. Pradhan Mr. C. Das	Session Coordinators: Prof. A. Sahoo Mr. P. Swain Mr. S.S. Panda	Session Coordinators: Prof. G. R. Biswal Mr. R. Ali Mr. S. Mohapatra	Session Coordinators: Prof. R. Mishra Mr. L. K. Barik Ms. S. Mohapatra
19:00 Onwards	Gala Dinner Venue: Dining Hall, 4th Floor			
Day 3: September 3, 2023 (Sunday)				
09:30-10:30	Registration Session Venue: Near LH1, 2nd Floor			
10:00-11:00	Keynote #5: Title: Machine Learning for Wireless Networks Speaker: Dr. Satya K.Vankayala, Samsung R&D Institute, India Venue: LH1, 2nd Floor			
11:00-11:30	Tea Break Venue: Near LH1,2nd Floor			
11:30-13:00	Session 5A Venue: TH1, 2 nd Floor	Session 5B Venue: TH2,2 nd Floor	Session 5C Venue: TH3, 3 rd Floor	
	Track : MCSD	Track : ISA	Track : ISA	
	Paper IDs: 131,267,268,269,287,288,296,323	Paper IDs: 144,212,217,226,229,237,285,331	Paper IDs: 250,252,266,272,276,283,292,293.297	
	Session Chair: Prof. Judhisthir Dash	Session Chair: Prof. Pradyumna Tripathy	Session Chair: Prof. Lakhan Dev Sharma	
Session Coordinators: Prof. D. Tripathy Mr. D. Pradhan Mr. C. Das	Session Coordinators: Prof. A. Sahoo Mr. P. Swain Mr. S. Panda	Session Coordinators: Prof. G.R. Biswal Mr. R. Ali Ms. S. Mohapatra		
13:00-14:30	Lunch Break Venue: Dining Hall, 4th Floor			

14:30-15:30	<p align="center">Keynote #6: Title: Quo Vadis Blockchain? Speaker: Dr. Sandeep K. Shukla, IIT Kanpur, India Venue: LH1, 2nd Floor</p>
15:30:16:00	<p align="center">Valedictory Session Venue: LH1, 2nd Floor</p>
16:00-17:00	<p align="center">Group photo & High Tea Venue: Near LH1, 2nd Floor</p>

Track Description:

MCSD : Microelectronic Circuits & Systems Design	CNI : Communication Network and IoT
NDS : Network and Distribution Systems	PEC : Power, Energy, and Control
MSP : Multimedia and Signal Processing	ISA : Intelligent Systems & Application

CCPIS 2023: Complete Presentation Schedule

Day 1: September 1, 2023 (Friday)

Time	Session	Paper ID	Title	Presenter Name
12:00-13:00	Session 1A Venue-TH1	33	Impact of underlap/overlap on source engineered Tunnel FET	Arzoo Shakya
		54	Reliability Assessment of JFinFET based Biosensor for Neutral Biomolecule Detection under Temperature Variation from 250K to 350K	Shweta Gupta
		92	Aluminum Gallium Nitride Power Heterojunction Bipolar Transistor Optimization for Power Electronics	Choudhury Jayant Praharaj
		97	Gallium Nitride/ Boron Nitride/ Aluminum Gallium Nitride E-Mode High Electron Mobility Transistor Modeling	Choudhury Jayant Praharaj
	Session 1B Venue-TH2	37	A Load Balancing Algorithm for Cloud-Fog-based IoT Networks using Bald Eagle Search Optimization	Ranumayee Sing
		81	An approach to detect CAD with full confidence using Machine Learning Techniques	Sukant Behera
		162	A Comparative Analysis of Multicarrier Waveforms for Future Wireless Communications	Srinivas Ramavath
		213	Enhancement of Dark Images in Presence of Optical Sources using Iterative Homomorphic Filter (IHF)	Ayaskanta Nayak
	Session 1C Venue-TH3	49	Mho Relay Distance Protection Scheme using DWT Analysis under Symmetrical Fault Condition	Satyabrata Sahoo
		64	Design and Analysis of LSTM-MPPT using PI Controller under Dynamic Loading Condition	Debasish Pattanaik
		90	Optimizing Power Output of Solar Arrays through Shifting Arrangement Reconfiguration	Asit Kumar Parida
		109	Innovative Solutions for Water and Energy Challenges in Agriculture: A Review of Solar-Powered Irrigation Systems	P.Marish Kumar
	Session 1D Venue-TH5	108	A Smart and Secure Blockchain-enabled Framework for Healthcare Applications	Soubhagya Ranjan Mallick
		110	State Space Formation and Fuzzy Logic Control Based Performance Analysis of DC Motor Drives	Pabitra Kumar Biswas
		142	Identification of Malignant Cells using Convolutional Neural Network	Akshaya Kumar Dash
		196	ECG Heartbeat Signal Classification and Detection of Cardiac Abnormalities using Deep Learning	Debasish Nayak
16:00-17:30	Session 2A	35	Optimizing the 12T Hybrid 1-bit full adder circuit for low energy applications	Paras
		41	A Multipurpose Smart Canteen Management System Using VHDL	Ashish K. Sahoo
		53	Analyzing the Performance of 6T SRAM Cell and 64x64 Memory Array at Lower Technology Nodes for Low Power Design	Tushar Singh
		150	Experimental Verification of Size Dependence of Intrinsic Bandgap of ZnO Nanoparticles	Ujjwol Barman
		157	Performance Analysis of Strain channel High-k Gate stack Gate Underlap cylindrical GAA FET	Rasmita Barik
		193	A compact SPI-based SRAM in 0.6um CMOS for Low-Power IoT Applications	Santunu Sarangi

Time	Session	Paper ID	Title	Presenter Name
16:00-17:30	Session 2B	7	Advanced Blockchain Applications in Cryptocurrency and Various Sectors	Stuti Bhatt
		15	Non Invasive Blood Glucose Level Detection	Shreya S
		65	Compatibility Analysis of IoT with 5G and 6G Communication	Manas Ranjan Lenka
		77	Bi-Sigmoidal Function Based Adaptive Gamma Correction for Dark Image Enhancement	Abanikanta Pattanayak
		84	EMG Signal Decomposition Methods for Physical Actions: A Comparative Analysis	Srashti Katiyar
		163	Design and Simulation of a Multiband Slotted Microstrip Patch Antenna for Wireless Applications	Imtiaz Akber Chowdhury
		207	Novel Optimization Techniques and Controllers for Power Quality Improvement	B Srikanth Goud
	Session 2C	55	Review on Grid Integration of Renewable Energy Resources to Microgrid	Mimmithi Bhanu Prakash
		63	Design and Analysis of SVM enabled PI Current Controlled MPPT under Critical Loading Condition	Adithya Ballaji
		80	Open Switch Fault Diagnosis of Three-Phase Battery-Fed Capacitor Clamped Inverter using Machine-Learning Algorithm	Vikram Singh
		161	Power Quality Enhancement by Shunt Active Power Filter Employing Different Control Strategies: A Concise Review	Debendra Dehury
		240	Formulation and Evolution of PV based Hybrid Electric Vehicle Charging Station Using High Gain Boost Converter	Nibedita Swain
		300	Voltage Stability improvement based on firing angle control of SVCs in wind integrated system with ANN	Rajan Kumar Mishra
	Session 2D	5	Parkinson's Disease Prediction Using Efficient Analysis of Machine Learning Algorithms	Priyanshi Bhadoria
		17	Plant Leaf Disease Detection Using Machine Learning	Arun Singh
		50	Modeling of Fractional Order PID Controller and Study the Application of Couple Spherical Tank Level Control	Md Samsuddin Ansari
		151	Face recognition of Live-Feed Imagery using the Viola-Joes Algorithm	Mamta B Savadatti
		209	Ensemble Methods of Machine Learning Algorithms for Early Diabetic Detection in Comparison	Samaha Maisha Jeba
		278	Biogeography Based Optimized Hybrid Chebyshev FLANN for Fingerprint Classification	Annapurna Mishra
		301	Tracking Control of an Inverted Pendulum system: A novel Radial basis function Neural Network supervisory control approach	Narayan Nayak

Time	Session	Paper ID	Title	Presenter Name
Day 2: September 2, 2023 (Saturday)				
11:30-13:00	Session 3A	72	A 6–18 GHz Active Variable Attenuator With Minimized Phase Variation	Zhiying Xia
		93	Design and analysis of 7nm node Gate stack Tri-gate FinFET for Mixed signals Applications	Manaswini Mishra
		137	Efficient Design and Implementation of Matrix Multiplication	Shivam Kumar
		232	RTL to GDSII Implementation of RADIX-4 Booth Multiplier using Opensource EDA tools	Rishabh Jain
		291	Analytical Volume Inversion Charge density Modeling of SGCG DG MOSFET in the presence of Interfacial Traps	Srikrishna Bardhan
		305	Design of Low Noise and Micro Power Two-Stage CMOS Operational Amplifier for Cardiovascular Signal Acquisition	Prabhat Kumar Barik
		306	Performance comparison of charge pump circuits against Dickson CPs for PLL application	Umakanta Nanda
	Session 3B	153	Topologies, Control, and Future Prospects of Hybrid Energy Storage Systems	Syphax Ihammouchen
		159	Proximity Coupled Wideband Rectangular Microstrip Antenna for RF Energy Harvesting	Nibash Kumar Sahu
		206	Design of an Arc-shaped slot Circular Patch Antenna for 5G Applications	Amiya Bhusana Sahoo
		208	Intelligent Control of PMSM-Driven Electric Vehicles Using Fuzzy Logic and Genetic Algorithm	Adel Oubelaid
		279	Compact Metasurface Based Dual-band Antenna for OFF-Body Communications	Naresh Chandra Naik
		302	Principles and Potentials of F5G: The Fifth Generation Fixed Network	Susanta Sarangi
		308	Effect of High Pass Filtering and Matched Filtering on Baseline Wander	Aishwarya Dash
	334	Mathematical Model of Dynamic Calcium Oscillations by Multiple Release Mechanisms	Neeraj Manhas	
	Session 3C	83	Asymmetrical Fault Analysis using P2P Coordinated Control System for DFIG-STATCOM	Ritesh Dash
		143	Hybrid Harmony Search Based D-TIF Controller for Load Frequency Control of Multi Area Power System	Umesh Chandra Mishra
		154	A New Three-Phase Multilevel Inverter for Electric Drive	Farid Kerrouche
		158	Kalman Filter Applied to a Differential Robot	Douglas Antonio Plaza Guingla
		198	Experimental Study on Corona Generated Ionized Field Environment of HVDC Transmission Lines	M.Raja Nayak
		201	Phase Locked Loop(PLL) MPPT Based Single Stage Grid-Connected PV System	Praneeth Guptha Karamalaputti
		211	Modified PV Panel Design Configurations for Enhancement of Panel Efficiency	Ch.Harika
		238	PV system operation in Islanded mode based on Interleaved Boost Converter	Alok Kumar
		246	A comparative analysis of KNN and Light GBM algorithms for wind energy forecasting	Sushree Samikshya Pattanaik

Time	Session	Paper ID	Title	Presenter Name
11:30-13:00	Session 3D	87	A Machine Learning Approach for Voice Modelling and Identification	Rakesh Ku Pattanaik
		88	A Class Balancing based Machine Learning Approach for Fraudulent Credit Card Transaction Detection	Gyana Patra
		104	A Machine Learning-Based Algorithm for Early Detection of Sepsis in Hospitalized Patients: Development and Evaluation	Neha Bhati
		105	Prediction of Covid-19 using Machine learning and Deep learning approaches: A Data driven study	Thanzina Akhter
		112	Unveiling the Depths: A comprehensive analysis of natural language processing and generative adversarial neural networks for text generation models in deep learning	Rashi Agrawal
		328	A Novel Approach for Human Activity Recognition using Vision-Based Method	Bivasa Ranjan Parida
		333	Impact of Emotional Intelligence Training on Performance Management Systems upshoting Organizational Effectiveness using Fuzzy Logic Approach	Subhamitra Nayak
15:30-16:00	Session 4A	191	5G Embedded Architecture for Medical Internet of Things (MIoT)	Sanket N Dessai
		200	Design and Analysis of Quantum Binary Adder-Subtractor using IBM Qiskit	Mahesh Bora
		248	Leveraging Approximate 4:2 Compressors for Improved Performance in an 8-bit Dadda Multiplier Design	Arun Krishnamurthy
		281	Comparative Study of GaN/AlGaIn/GaN Polarization Junction HFET	Devika Jena
		320	Low Frequency Noise Analysis in AlGaIn/GaN HETs	Pradipta Kumar Jena
		325	Performance analysis of TMDG MOSFET for biosensing application	Prasanta Kumar Khuntia
		329	Comparative study of InAs based tunnel FET (TFET) biosensor	Kishore chandra Singh
		330	Comparison analysis of DG-MOSFET without Stack configurations using HfO2 and Al2O3 taking DNA as Biosensor applications	Pritipadma mohanty
	Session 4B	21	Implementation of CSMA/CD and Link state	M Sai Deepak
		36	An Experimental Study to Operate Underwater Vehicle Using Li-Fi: Advantages and Challenges	Mifat Ahmed
		66	Mechanism for Disease Classification in Predicting Thyroid Disease	Priyanka Kumari
		129	A Model for Content-Based Image Retrieval Using Machine Learning	Yash Mahajan
		148	Development of Sign Language Translator for Disable People in Two-ways Communication	B Lakshmi Prasanna
		179	Modification of Vigenère Cipher to Overcome Kasiski and Friedman Attacks.	Muhammed Furqaan
		218	Broadband Inverted L-Shaped DRA for IoT Applications	Amalapurapu Srinag
219		Isotropic Radiation Coverage in IoT: Water Drop-Shaped Ultra-Wideband Antenna	Amalapurapu Srinag	
247		Polarization Converting Metasurface Inspired Circularly-polarized Antenna for OFF Body Communications	Nibash Kumar Sahu	

Time	Session	Paper ID	Title	Presenter Name
15:30-16:00	Session 4C	220	Design and Development of a Smart Solar Photovoltaic Uninterruptible Power Supply System	R Karpagam
		249	An approach for the supervision and management of power for the solar photovoltaic and BESS based DC Micro grid integrated system	Shipra Jain
		251	An analysis of Machine learning methods for electricity price forecasting	Satyabrata Sahoo
		271	Maximizing Energy Savings in Electric Vehicles: A Route-Informed Elevation-Dependent Cruise Control Approach	Sewal Atay
		277	A mamdani type fuzzy controller with mathematical morphology for shunt active power filters	Manohar Mishra
		289	Robust Estimation of State of Charge for Electric Vehicular Application	Anuja Barge
		290	Regenerative System For Mountain E–Bicycle	Megha Ram Jadhav
		299	An Efficient High-Gain DC-DC Converter for Solar Photovoltaic Applications	Leelavathi E
		332	Power Quality Disturbances Mitigation Techniques for DFIG-based Wind Farm: A Review	Sachin Das
	Session 4D	117	Sustainable Smart Society Development based on Geo Sensitive Equality Using Vedic Structure, Artificial Intelligence, Blockchain and IoT	Ranu Tyagi
		121	IoT Based Monitoring System for Mushroom Farming and Supply Chain Management	Farha Khan
		160	Management of Overcrowding of Tourists at 'Kainchi Dham Ashram' in Uttarakhand through Sensor Technology	Saurabh Pargaian
		170	Fracture detection from X-ray images using different Machine Learning Techniques	Sareeta Mohanty
		188	Generative Chatbot Adaptation for Odia Language: A Critical Evaluation	Parul Agarwal
		192	Object detection for video surveillance using edge-cloud collaboration	Shazia Saba
		194	Utilizing IoT-Based Services to Reduce Financial Risks in the Banking Sector	Hrishabh Rajput
		324	Text Independent Speaker Recognition using Fuzzy based Neural Network	Amulya Kumar Roul
Day 3: September 3, 2023 (Sunday)				
11:30-13:00	Session 5A	131	Adaptive Cubature Quadrature Kalman filter in square root framework for nonlinear state estimation with unknown measurement noise covariance matrix	Aritro Dey
		267	Women Safety Precaution	Arun P Srivastava
		268	Phishing Website Detection Using Machine Learning	Aln Rao
		269	A Simple Translation System Using a Machine Learning Algorithm	Aparna Srivastava
		287	OPC UA Implementation for Industrial Automation - Part 1: Evaluating the Performance of PubSub Model	G. Pradeep Reddy
		288	OPC UA Implementation for Industrial Automation - Part 2: Integrating PubSub Model with TSN	G. Pradeep Reddy
		296	Digit-Size Selection for FPGA Implementation of Generic Digit-Serial Multiplication over GF(2 ^m)	Dibakar Pradhan
		323	Recent Scientific Achievements and Developments in Software Defined Networking: A Survey.	Hamsalekha R

Time	Session	Paper ID	Title	Presenter Name
11:30-13:00	Session 5B	144	Real-time Traffic Analysis and Driver Safety Enhancement via IoT and Computer Vision with High-Resolution Project Lamps for Intelligent Road Illumination	Hardik Dhiman
		212	Extractive Summarization on Twi Language using Text-Rank and Fuzzy Clustering Algorithm	Dominic Asamoah Ampofo
		217	Artificial Intelligence and Machine Learning on Human Gesture Interpretation	Mayank Joshi
		226	Parametric and Non-Parametric Analysis on Mango Leaf Disease Detection via Optimized Hybrid Model	Madhumini Mahapatra
		229	Investigation on the Effect of Process Conditions during Fermentation of Tea Manufacturing on Brightness of Tea Liquor	Debashis Saikia
		237	TIME SERIES FORECASTING AND PREDICTION OF WALMART DATA USING HYBRID MACHINE LEARNING TECHNIQUES	Vishal Kumar Pandey
		285	Adaptive Wavelet Transform Based Protein Coding Region Prediction in DNA sequence	Lopamudra Das
		331	Intelligent Plant Monitoring System	Soumik Kumar Mohanta
	Session 5C	250	Prediction of Heart Attack and Death: Comparison between 1 DCNN and Conventional ML Approaches	Kuldeep Mohanty
		252	Exploring the factors influencing customer satisfaction in the hotel industry and facilitating decision making through an analytical heirarchy process (AHP) based model	Anita Mohanty
		266	Smart Electricity System Enabled by AI	A Kakoli Rao
		272	The Role of Artificial Intelligence in Mentoring Students	Shaurya Tiwari
		276	Intrusion Detection System in IoT Smart city Environment using Tree-based Approach with Swarm-based Optimization for Multi-Step Cyber-Attack Dataset	Manohar Mishra
		283	White Blood Cell Classification using Pre-trained Deep Neural Networks and Transfer Learning	Rojalin Biswal
		292	Advancements in Breast Cancer Detection: A Comprehensive Review of Deep Learning Techniques for Mammogram Analysis	Vandana Saini
		293	Analysis of Multiple Imputation Techniques in Healthcare Data.	M Fathima Begum
297		Fall Detection Using HOG Feature Extraction and Adaptive Boosting Technique	Satwik Pramod Devle	