



## GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI

(An Autonomous Institute of Government of Maharashtra)

Kathora Naka, VMV Road, Amravati, Maharashtra 444 604

*"Towards Global Technological Excellence"*

### International Conference on Applications of Engineering for Sustainable Development (ICAESD 2024)

Date: 20-21 December, 2024

Phone: (0721) 2531930

Fax : (0721) 2531931

Web: [www.gcoea.ac.in](http://www.gcoea.ac.in)

Email: [principal@gcoea.ac.in](mailto:principal@gcoea.ac.in)

### Schedule of Presentation

Track: Advances in Manufacturing

Date and Time: Day 1, Friday 20/12/2024, 12.30 PM

Venue: ME-108 (Mechanical Engg. Department)

Paper Id-ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
11	Dr. Pankaj Ardak and Sanjaykumar Makwana	College of Engineering and Technology, Akola	Comparative Study of Inventory Control Models under different Parameters	12.30 pm
14	Nitin Lokare and Jayant Bhangale	Matoshri College of Engineering and Research Center, Nashik Maharashtra, India 422 105	Overview of effect of Laser Hardening Process for Improvement of Surface Hardness	12.45 pm
54	Harshal Aher and Nilesh Ghuge	Matoshri college of engineering and research center Eklahare Nashik	Comprehensive Failure Analysis of Roller Element Bearings Across Diverse Operating Conditions	01.00 pm
55	Krupal Pawar, Praveen Mokshanatha and Bhushan Nandre	Srinivas University, Mangalore	Analysis and Optimization of Hard Turning Process for AISI M2 Tool Steel to Minimize Residual Stresses: A Review	01.15 pm
56	Sunil Kewate and Dr. Vivek Gandhewar	Government College of Engineering, Yavatmal	Overview of Decision Models Analyzed for Quality Assessment in Public Transportation Services	01.30 pm
<b>Lunch Break</b>				
64	Suraj Vairagade, Narendra Kumar, Ravi Pratap Singh, Santosh Bopche and Narendra Kanhe	Dr. B.R. Ambedkar National Institute of Technology Jalandhar	Advances in Thermal Performance Characteristics of Additively Manufactured Heat Exchanger Devices	02.30 pm
79	Dipak Kharat and Dr. Mahendra Nawathe	Prof. Ram Meghe Institute of Technology & Research Bandera, Amravati	Issues and Approaches for WEDM Process for enhanced surface characteristics with Significance of Process Parameters	02.45 pm
92	A Zahir Sheikh and Rajendra Dalu	Government College of Engineering, Amravati	DIELECTRIC USED IN DIE-SINK EDM: A REVIEW	03.00 pm
96	Rajesh Rajkolhe and Sanjay Bhagwat	BNCOE, Pusad	Transformative Technologies: A Deep Dive into Industry 4.0	03.45 pm

106	Parag Sarode and Rajesh Metkar	Government College of Engineering, Amravati	Comparative Study of Digital Twin for Robotics	04.00 pm
161	Ajinkya R. Rangari and Rajesh Metkar	Government College of Engineering, Amravati	A Review on Digital Twin Technology in Manufacturing	04.15 pm
178	Sudharshan Butley, Dr. Lalit Dhole, Dr. Ganesh Chavhan and Pawan Chilbule	Government College of Engineering, Chandrapur	Tribological Behavior of Low Carbon Steel, Grade AISI1018 overlayed with Nickel based MMC + WC using plasma transfer arc welding	04.30 pm

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### Schedule of Presentation

Track: New & Renewable Energy Sources

Date and Time: Day 2, Saturday 21/12/2024 11.00 AM

Venue: ME-108 (Mechanical Engg. Department)

Paper Id-ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
05	Suvarna Patil, Pratik Patil, Vandana Mahajan and Rameshwar Umbarkar	North Maharashtra University, Jalgaon	A Study of Steel Structure Detailing	11.00 am
39	Anand Avinash Pande	School of Architecture, COET, Akola	A scientific approach to conserve the water harvesting model in Ramtek Region	11.15 am
40	Tanmay Thorat, Ayushi Pachpor and Preeti Lawhale	PROF. RAM MEGHE INSTITUTE OF TECHNOLOGY AND RESEARCH	Smart wireless EV charging station with dual-axis solar tracker	11.30 am
46	Shiv Chafle, Santosh Bopche, Suraj Vairagade and Narendra Kanche	BAJAJ INSTITUTE OF TECHNOLOGY WARDHA	Development of a Wired Cavity Type Solar Receiver for Enhanced Radiative Heat Gain	11.45 am
62	Atul Dahane, Rajesh Sharma, Satish Ghorpade and Roshani Nage	GCoE, Amravati	Design of an Improved Model for Interconnected Sub-Grids Using Distributed Model Predictive Control and Multiple Agent Reinforcement Learning	12.00 pm
67	Aayushee Kamble and Shubhangi Kamble	Mauli Group of Institution College of Engineering SHEGAON	Design and Control of an Unconventional Power System Leveraging Power from Renewable Sources	12.15 pm
90	Mohan Patil and Dr. Krishna Shriram Krishna Shrivastava	KBC, Jalgaon	Exploring Blends of Diesel, Biodiesel, Waste Plastic Pyrolysis Oil and Ethanol as Alternatives Fuel to Reduce Emissions: A Review	12.30 pm
93	Rajesh Sharma, Nayan Bijwe and Vijay Harne	Government College of Engineering, Amravati	Development and performance analysis of a single basin tidal power plant	12.45 pm

121	Khwaja Faiz Ahmad and Ashish Mahalle	Government College of Engineering, Amravati	Seasonal and Diurnal Thermal Performance of Extensive Green Roof Substrate in Central India	01.00 pm
139	Prof. Sheetal P. Bijawe	Government College of Engineering, Amravati	Comparative performance of a various reflective mirrors on solar panel and sun tracking system performance: Experimental assessment	01.15 pm
<b>Lunch Break</b>				
141	Khwaja Faiz Ahmad and Ashish Mahalle	Government College of Engineering, Amravati (Maharashtra)	Effects of Different Growth Substrates and Vegetation on Thermal Behavior of Extensive Green Roofs in Monsoon Season of Central India	02.30 pm
150	Kumudini Gharge, Ramakant Shrivastava and Vivek Mohite	Government College of Engineering Karad	Performance Testing of Evaporator Using R1234yf for Different Inclination	02.45 pm

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### Schedule of Presentation

**Track: AI/ML Applications in Electrical Engineering**

**Date and Time: Day 1, Friday 20/12/2024, 12.30 PM**

**Venue: PG Seminar Room (Electrical Engg. Department)**

Paper Id-ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
88	Ganesh Bonde, Sudhir Paraskar, Ravishankar Kankale, Saurabh Jadhao and Vijay Karale	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	"Integrating Hilbert Transform and KNN for Accurate Voltage Sag Cause Identification	12.30 pm
94	Rajesh Sharma, Prajwal Sonttake and Vijay Harne	Government College of Engineering, Amravati	CATEGORISATION AND LOCALISATION OF TRANSMISSION LINE FAULT BY USING MACHINE LEARNING	12.45 pm
95	Avinash Welankiwar, Rajesh Sharma and Bhupendra Kumar	Government College of Engineering, Amravati	Condition monitoring of power transformer using Fuzzy logic approach	01.00 pm

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### Schedule of Presentation

**Track: Power Electronics and Drives**

**Date and Time: Day 1, Friday 20/12/2024, 01.15 PM**

**Venue: PG Seminar Room (Electrical Engg. Department)**

Paper Id- ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
66	Dr. Mohan B. Tasare	Prof Ram Meghe College of Engineering and Management	Comparative Analysis of DVR Injection Methods for Power Quality Improvement	01.15 pm
129	Deepa Pralhadrao Yavalkar	Government College of Engineering, Jalgaon, Maharashtra	A Review of Control Algorithms and Inverters used in DSTATCOM	01.30 pm
176	Mrugsarita Duryodhan Borkar	Government College of Engineering, Nagpur	Unsymmetrical Fault Analysis using Negative Sequence Component for Overcurrent Protection of Distribution System	01.45 pm

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### Schedule of Presentation

Track: **Big Data and Internet of Things**

Date and Time: Day 1, Friday 20/12/2024, 02.30 PM

Venue: CS-018 CSE Department

Paper Id- ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time.
18	Ashwini Deshmukh and Komal Vyas	Shri Sant Gajanan Maharaj College of Engineering Shegaon	Blockchain Technology in Healthcare Applications	02.30 pm
47	Preeti Lawhale, Sujata Kale and Ashay Rokade	PG department of Applied Electronics, SGBAU, Amravati	Accelerating SHA-256 Hash Function Using FPGA for High Performance	02.45 pm
180	Priti Khodke, Rani Lande, Aparna Khairkar and Pooja Raut	Prof Ram Meghe College of Engineering and Management Badnera - Amravati	Harnessing Big Data Analytics and AI for Machine Learning-Based Crop Prediction in Agriculture	02.50 pm

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### Schedule of Presentation

#### Track: Internet Technology & Society

Date and Time: Day 1, Friday 20/12/2024, 12.30 PM

Venue: CS-018 CSE Department

Paper Id- ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time.
51	Prashant Mandale, Vaidish Thosar, Mrinmayi Hankare, Sudarshan Rawate and Milonee Vyas	International Institute of Information Technology (I <sup>2</sup> IT), Pune	Survey on Enhancing Student Connectivity and Academic Support	12.30 pm
76	Nilesh Thotange, Dr Vaishali Deshmukh and Sangram Dandge	Prof. Ram Meghe Institute of Technology and Research Badnera	Multiple Gigabit Network Deployment Using XPON DWDM	12.45 pm
81	Dr. Kuldeep Vayadande, Preeti Bailke, Ajit Patil, Yogesh Bodhe and Sumit Umabare	Vishwakarma Institute of Technology Pune	Paging Implementation in Rust for memory Management on ToyOS	01.00 pm
126	Karan Dalu and Rujula Dalu	Capgemini India Private Limited	Review of Block-chain Technology and to explore its utility in Supply chain and Notary Office	01.15 pm

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### Schedule of Presentation

Track: Electronics System Design and Manufacturing

Date and Time: Day 1, Friday 20/12/2024, 12.30

Venue: ET-010 (Electronics Engg. Department)

Paper Id-ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
22	Mahendra K. Dawane and Gajanan M. Malwatkar	Government College of Engineering, Jalgaon	"Equation-Centric Paradigms: Mathematical Models for Advanced System Dynamics and Control"	12.30 pm
52	Hemant Bhombe, Sanket Bhil and Shraddha Kukade	Prof Ram Meghe Institute of Technology And Research, Badnera	A Survey on Inline power Meter and Cable Tracer	12.45 pm
74	Atharva Pachkhede, Sanika Ghormade and Sujal Pachghare	Government College of Engineering, Amravati	Study of Electronics System Design and Manufacturing Processes	1.00 pm
109	Dr. Pandurang Shahaji Londhe	Government College of Engineering, Chandrapur	Design of Remote Controlled Surface Vehicle for Efficient Reservoir Cleaning	1.15 pm
124	Mangala Dhotre, Vaishnavi Wani and Swapna Patil	Government College of Engineering, Jalgaon	Implementation of 9-Level Inverter Using Cascade H-Bridge and Flying Capacitor Topologies	1.30 pm
173	Hemant Kasturiwale, Sumit Kumar, Archana Belge and Sujata Alegavi	Thakur College of Engineering and Technology	Revolutionizing Water Infrastructure: A Sustainable RO Purifier with QR Code Payment and Smart Dispensing Capability	1.45 pm

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### Schedule of Presentation

Track: Communications Systems and Signal Processing

Date and Time: Day 1 , Friday 20/12/2024, 2.30 PM

Venue: ET-010 (Electronics Engg. Department)

Paper Id- ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
29	Swapna C. Jadhav, Tukaram K. Gawali and Shailesh S. Deore	Government College of Engineering, Jalgaon	Review of Real Time Transportation Models with Deep Convolution Networks for Traffic Analysis	02.30 pm
97	Pawan Kale, Santosh Patil, Dhiraj Tulaskar and Shon Neman	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	Design and Analysis of Optimized Multiband Microstrip Planar Patch Antenna for Wireless Applications	02.45 pm
137	Nitin Gawai, Dinesh Rojarkar and Prashant Deshmukh	Government College of Engineering, Amravati	Sea Clutter Distribution Models in SAR for Ship Detection – A Review	03.00 pm

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### Schedule of Presentation

Track: Structural Health Monitoring

Date and Time: Day 1 , Friday 20/12/2024, 12.30- PM

Venue: CE 111\_Civil Engg Department

Paper Id- ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
24	Rafat Ali and Suchita Hirde	Government College of Engineering, Amravati	Analysis of Fixed Deep Beam under Parabolic Load Using New Higher-Order Shear Deformation Theory	12.30 pm
85	Avinash Jakate and Suchita Hirde	Government College of Engineering, Amravati	Structural Health Monitoring Using Piezoelectric Sensors: Core Principles, Present Status, and Future Directions	12.45 pm
130	Nikita Kalantri, Manoj Hedao and Nitin Ingole	Government College of Engineering, Amravati	Optimization of functional elements of municipal solid waste management for sustainable development - a review	01.00 pm
143	Aayushee Gulhane, Jitesh Buradkar and Dr. Suchita Hirde	Civil Engineering Department, Government College of Engineering, Amravati.	Improving seismic performance of non-ductile beam-column joints: a review of retrofitting techniques	01.15 pm

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### Schedule of Presentation

**Track: Geo-Hazards and Risk Assessment**

**Date and Time: Day 1 , Friday 20/12/2024, 01.30- PM**

**Venue: CE 111\_Civil Engg Department**

Paper Id- ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
120	Rajendra Deshmukh and Anant Dhattrak	Government College of Engineering Amravati	Performance analysis of Concrete Pile Encased with Sand Cushion in Black Cotton soil using Experimental study	01.30 pm

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### Schedule of Presentation

Track: IoT Based Instrumentation Application

Date and Time: Day 1 , Friday 20/12/2024, 12.30 pm

Venue: IN 111 (Instrumentation Engg Department)

Paper Id-ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
35	Shirish Adam and Prashant Gaidhane	Government College of Engineering, Jalgaon	Review of Soft Computing Technique to find the steady state temperature in a Reactor	12.30 pm
91	Kunal Umap, Siddhesh Mahajan, Lavkesh Kelkar, Harshada Fulmali and Shubhda Thakare	Government College of Engineering, Amravati	Medi Track: Centralize Appointment, Record and Wellbeing Tracking	12.45 pm
107	Sunil Panchal and Gajanan Malwatkar	Government College of Engineering Jalgaon, Maharashtra	Exploring the Impact of Internet of Things (IoT) Based Instrumentation Applications: Revolutionizing Data Acquisition and Control for Water Treatment Plant	01.00 pm
113	Samrat Thorat, Dr. Dinesh Rojatkarkar and Dr Prashant R Deshmukh	Government College of Engineering, Amravati	Comparative analysis of various intrusion detection systems using Deep Learning for VANET and their issues and challenges with IoT devices integration.	01.15 pm

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### Schedule of Presentation

Track: Machine Learning and Deep Learning

Date and Time : Day 1 , Friday 20/12/2024 12.30 PM

Venue: CSE Seminar Hall (IT Department 1<sup>st</sup> Floor)

Paper Id-ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
19	Samrat Thorat, Dr. Dinesh Rojatkhar and Dr Prashant R Deshmukh	Government College of Engineering Amravati	Detection of unknown attacks in VANET using a deep learning approach and IoT-based data set	12.30 pm
25	Krishna Borakhade, Shantanu Lohi, Archana Bhade, Dilip Uike and Sachin Jain	Government College of Engineering, Amravati	Enhancing Alzheimer's Patient Care with an Automated Wearable Assistance Device based on AI and IoT	12.45 pm
26	Rajesh Shekokar and Dr. Mrs. Sujata Kale	Department of Applied Electronics SGB Amravati University, Amravati	A Model for Suspicious Activity Recognition	01.00 pm
28	Archana Wankhade and Kishor Wagh	Government College of Engineering, Amravati	Implementation of Secure Framework for Cloud Based IoT Network Using Machine Learning Approach and Lightweight Cryptography	01.15 pm
<b>Lunch Break</b>				
33	Pranay Chandrikapure, Komal Kale, Kabir Pakhale and Anuja Bhele	Government College of Engineering, Amravati	"DocWise" A Centralized Application	02.30 pm
38	Shyamshundar N. Patil and Manoj E. Patil	Government Polytechnic Nandurbar	Machine Learning Techniques for Financial Cybercrime Detection: A Survey	02.45 pm
45	Ms. Sumegha Patil and Dr. Prashant Deshmukh	Government college of Engineering Amravati	Long short term memory machine learning technique for Financial market :A Review	03.00 pm

69	Seema Babusing Rathod	Sipna College of Engineering and Technology , Amravati.	A Hybrid Framework for Twitter Sentiment Analysis: Leveraging Bagged CNN and Flamingo Search	03.15 pm
70	Seema Babusing Rathod	Sipna College of engineering and Technology	Efficient Image Compression for Embedded Systems Using Python and Machine Learning	03.30 pm
147	Kapil Pachpor and Dr. Dinesh Rojatkar	Government College of Engineering, Amravati	A Deep Learning Based Approach for Chlorophyll Estimation in Citrus Leaves	03.45 pm

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### Schedule of Presentation

Track: Machine Learning and Deep Learning

Date and Time: Day 1, Friday 20/12/2024 12.30 PM

Venue: IT-120- Class Room (IT Department 1<sup>st</sup> Floor)

Paper Id- ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
89	Rajesh Rajkolhe and Sanjay Bhagwat	BNCOE, Pusa	Smart Manufacturing: Leveraging Machine Learning Model for Predicting Acceptance Rate of Green Sand-Casting Process	12.30 pm
99	Devesh Patil, Umama Fatema Syeda, Janvi Bhoir and Sharvari Sonukale	Government College of Engineering Amravati	SmrutiPankha: A Renewed Approach to Live with Alzheimer	12.45 pm
103	Ravi Mante and Mamata Yeul	Government College of Engineering, Amravati	Survey on Deep Learning Techniques Used for Fruit Disease Detection	01.00 pm
110	Swati Meshram and Kishor P. Wagh	Department of Computer Science and Engineering, Government College of Engineering, Amravati.	A Survey on Recent Advances in Spatio-temporal Co-location Pattern Mining	01.15 pm
112	Sumit Katwate, Shantanu Lohi, Om Ladole, Ishwari Kusumbe Kusumbe and Kshitija Jaminkar	Government College of Engineering, Amravati	Realtime Pose Estimation using AI	01.30 pm
Lunch Break				
119	Dr. Ravindra Jogekar, Dr. Harish Gorewar, Snehal Lohi-Bode	Jhulelal Institute of Technology	An Approach of Image Authenticity Detection using Deep Learning Techniques	02.30 pm



	and Dr. Rajesh Metkar			
127	Durgesh Firake and Bhushan Wakode	Government College of Engineering, Amravati	Machine Learning-Based Spam Filter for GitHub Repository Issues	02.45 pm
132	Prity Rathod	Priyadarshini J L Chaturvedi College of Engineering, Nagpur	Analysis and Evaluation of Ecommerce Products using Data mining Strategies for Improved Business Activities	03.00 pm
136	Kaustubh Sunil Kalkonde, Dr. Nilesh N Kasat, Laxmikant S Kalkonde and Dr. Kashmira N. Kasat	Sipna CoET, Amravati	Implementation of Machine Learning Based Vehicle Brake Detection System	03.15 pm
142	Pushpanjali Chauragade and Nirmik Rathod	Government College of Engineering, Amravati	JARVIS: A Python-Based Personal Assistant	03.30 pm

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### Schedule of Presentation

Track: Machine Learning and Deep Learning

Date and Time: Day 2, Friday 21/12/2024 11.00 AM

Venue: CSE Seminar Hall (IT Department 1<sup>st</sup> Floor)

Paper Id-ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
32	Dilip Uike and Kishor Wagh	Government College of Engineering, Amravati	Analysis of Deep Learning Approaches for Disease Prediction	11.00 am
157	Prof. Naresh Gadage and Indrani Baporikar	Government College of Engineering, Amravati	A Survey on Different Methods of Machine Learning Models used to Predict the Price of Gold	11.15 am
160	Omesh Shukla, Vaishnavi Tikar and Shantanu Lohi	Shri Shivaji College, Akola	Analyzing NCC Cadet Experiences and Aspirations: A Data-Driven Study for Proposed Effective Management through Machine Learning	11.30 am
165	Sheetal Dhande, Harsha Vyawahare, Seema Rathod and Shrikant Dandge	SIPNA CoET, Amravati	Educational Document Sentiment Analysis Using Convolutional and Recurrent Neural Networks	11.45 am
167	Raj Meena	Sarvepalli Radhakrishnan University, Bhopal	A LITERATURE REVIEW OF LOW-CODE IS REVOLUTIONIZING THE SOFTWARE INDUSTRY	12.00 pm
168	Sayali Sambare, Prashant Deshmukh and Shubhada Thakare	Government College of Engineering, Amravati	Postmortem Iris Recognition for Forensic Application	12.15 pm
170	SWATI TIWARI	CV RAMAN UNIVERSITY	A Comprehensive Review of Sarcasm Detection Techniques in Natural Language Processing	12.30 pm
171	Dr. Madhuri A. Tayal	GHRCEM, Nagpur	AI-Driven Mental Health Support using Deep Learning Approach	12.45 pm

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*"Towards Global Technological Excellence"*

### International Conference on Applications of Engineering for Sustainable Development (ICAESD 2024)

Date: 20-21 December, 2024

Phone: (0721) 2531930

Fax : (0721) 2531931

Web : [www.gcoea.ac.in](http://www.gcoea.ac.in)

Email: [principal@gcoea.ac.in](mailto:principal@gcoea.ac.in)

### Schedule of Presentation

Track: Network and Cyber Security

Date and Time: Day 2, Saturday 21/12/2024 11.00 AM

Venue: IT 120 (IT Department 1<sup>st</sup> Floor)

Paper Id-ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
61	Roshan Belsare, Premchand Ambhore, Prashant Chatur and Anil Deorankar	Government College of Engineering, Amravati	Optimizing Privacy and Quality of Service in Fog Computing for IoMT Using Blockchain and Advanced Optimization Techniques	11.00 am
71	Seema Babusing Rathod	Sipna College of Engineering and Technology	AI-Driven Fraud Detection: Data-Centric Solutions for the Financial Sector	11.15 am
133	Sheetal Shrikrushnakant Dhole, Dr. P. N. Chatur, Prof. A. V. Deorankar and Prof. M.B. Waghmare	Government College of Engineering, Amravati	ENHANCING DATA SECURITY AND PRIVACY IN IOT ECOSYSTEMS USING CRYPTOGRAPHIC HASH FUNCTIONS	11.30 am
145	Himanshu Taiwade and Premchand Ambhore	Government College of Engineering, Amravati	Sharding Enabled Blockchain with Bioinspired Secret Sharing & Selective Encryption Model for Ownership Transfer Optimizations to Provide Enhanced Security	11.45 am
172	Hemant Kasturiwale, Varun Mishra, Rupinder Kaur and Aashtha Sharma	Thakur College of Engineering and Technology, Mumbai	Data Security and Multifaceted Platform Enabled Digital Expense Tracker for Individuals and Businesses	12.00 pm

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### Schedule of Presentation

Track: Nano Science and Nanotechnology

Date and Time: Day 1 , Friday 20/12/2024 12.30 PM

Venue: Physics Department (Main Admin Building)

Paper Id- ICAESD	Author Name	Institute Representing	Title of Selected Paper	Time
42	Pratik Patil, Dr. Mahendra Sable and Dr. Krishna Shrivastava	North Maharashtra University, Jalgaon	A review on Hybrid Nano fluids as a New Generation Coolant	12.30 pm
60	Janardhan Bhor and Dr. Jayant Bhangale	Matoshri College of Engineering & Research Centre	Toxicological Impacts of Metallic Nanofluids in Laminar Flow: Implications for PTSC Performance	12.45 pm
78	Milind Waghmare, Nayan Thorat and Kamlesh Waghmare	Government College of Engineering, Amravati	A Survey on Design and Implementation of Quantum Computing Circuit Optimization using Qiskit	01.00 pm
86	Prem Jakhotiya, Sanjay Kherde and Nishikant Kale	Sipna College of Engineering and Technology, Amravati	Implementation of nano-refrigerants/nano-lubricants in air conditioning system: a review	01.15 pm
87	Shailesh Pendam, Deepak Zatale and Milind Lokhande	GCOEA, Amravati	Dielectric and molecular interaction study of propylene glycol water mixture using time domain reflectometry	01.30 pm
<b>Lunch Break</b>				
100	Shrikant Ubale, Deepak Zatale and Rahul Ingle	Government College of Engineering Amravati	Thermoacoustic investigation of ethanol blended gasoline	02.30 pm
104	Swapnil Belorkar and Shrikant Londhe	Government College of Engineering Amravati	"Experimental Evaluation of Heat Transfer Characteristics in 10 PPI Porous Metal Foam with Al <sub>2</sub> O <sub>3</sub> /H <sub>2</sub> O and Graphene/H <sub>2</sub> O Nanofluids"	02.45 pm
115	Nishant Bhore and Prashant Thorat	Shri Shivaji Education Society, Amravati's College of Engineering and Technology, Akola	The Influence of Incorporating Nanofillers Such as Calcium Carbonate and Talc in Epoxy Glass Fiber Composites on Mechanical Characteristics	03.00 pm

135	Atul Raghatate and Dr. Nitin Ingole	Prof Ram Meghe Institute of Technology and Research, Badnera	FEASIBILITY OF MAGNETIC NANOPARTICLES FOR SEPARATION OF COPPER FROM LIQUID PHASE: AN EQUILIBRIUM AND KINETIC STUDY	03.15 pm
177	Harsha Sanap and Dr. Vinitkumar Dongre	Thakur College of Engineering and Technology	Bit Error Rate Optimization of Diffusion- Based Molecular Communication System for Targeted Drug Delivery	03.30 pm

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