



UPCON - 2024

29th Nov to 1st Dec, 2024



IEEE

UP SECTION (INDIA)



11th IEEE UP Section International Conference on Electrical, Electronics and Computer Engineering

(UPCON 2024)

ON

29th November -1st December 2024

Organized by

Shri Ramswaroop Memorial College of Engineering and Management,
Lucknow, U. P., India.

SPECIAL SESSION ON
Women In Engineering

UPCON-2024: Technical Session 2, Day -2

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|------------------------------|---|
| Date & Time (IST) | November 30 ,2024, Time – 11:30 – 13:30 |
| Venue/Mode | G-214 Smart Class Room / Physical Mode |
| Track 2(a) | Women in Engineering |
| Session 2 | - |
| Chair | Prof. Suman Avdhesh Yadav (Mob. +9910719256) |
| Co-Chair | Dr Shubhi Gupta, sguptal@gn.amity.edu , Mob +91 96541 39399 |
| Faculty Coordinator | Er. Prabhat Yadav, (9935515420) |
| Student Volunteer | - |

| S.NO | Paper ID | Corresponding Author/Presenter | Paper Title | Timing |
|------|----------|--------------------------------|--|-------------|
| 1 | 114 | sandhya Shrivastava | Design and execution of a system for overall security on Border line from Invasion | 11:30-11:45 |
| 2 | 133 | vinti gupta | Performance Evaluation of Ad Hoc Routing Protocols in (FANETs) | 11:45-12:00 |
| 3 | 141 | Anurag Verma | Voltage Stability at PCC in Islanded System Using Droop Control Technique | 12:00-12:15 |
| 4 | 162 | Anjali S Naick | Forecasting Murder Motives in India using Statistical Analysis and Explainable Artificial Intelligence | 12:15-12:30 |
| 5 | 189 | Ms. Kirti | Design and Implementation of a High-Gain Ku-Band Low Noise Amplifier | 12:30-12:45 |
| 6 | 168 | SUMAN REKHA DIP | Brain Tumor Detection via HOG-FOS Feature Fusion with LDA and SMOTE: An Explainable AI Approach | 12:45-13:00 |
| 7 | 191 | Archana Verma | Power-efficient Hybrid-style Full Adders utilizing High-speed XOR-XNOR Circuits | 13:00-13:15 |
| 8 | 213 | Shipra Gupta | Evolving Cyber Security Threats and Adaptive Defence Mechanisms: A Comprehensive Approach to Modern Challenges | 13:15-13:30 |

UPCON-2024: Technical Session 2, Day -2

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|------------------------------|--|
| Date & Time (IST) | November 30 ,2024, Time – 11:30 – 13:30 |
| Venue/Mode | G-213 Smart Class Room / Physical Mode |
| Track 2(b) | Women in Engineering |
| Session 2 | - |
| Chair | Dr. Smita Sharma, smitapandey86@gmail.com (Mob. 9650339961 |
| Co-Chair | Dr Swati Vashisht, swati.vashisht@glbitm.ac.in , Mob. +91 96545 32684 |
| Faculty Coordinator | Er. Priyanka (7839421128) |
| Student Volunteer | |

| S.NO | Paper ID | Corresponding Author/Presenter | Paper Title | Timing |
|------|----------|--------------------------------|--|-------------|
| 1. | 227 | PRIYA SINGH | Elevating Stock Market Predictions: An Attention-Infused LSTM model with Wavelet Denoising | 11:30-11:45 |
| 2. | 230 | Archana Verma | EfficientNet-B3-based Automated Lung Cancer Detection System for CT Scans | 11:45-12:00 |
| 3. | 231 | Aparna Kumari | S-CreditRisk: A Decentralized and Privacy-Preserving Credit Risk Assessment Framework using Federated Learning | 12:00-12:15 |
| 4. | 236 | Suman Lata | Design and development of a virtual multifunctional ECG using LabVIEW | 12:15-12:30 |
| 5. | 250 | Juhi Dwivedi | Deep Learning for Cardiovascular Health: CNN-Based Automated Analysis of PCG Signals | 12:30-12:45 |
| 6. | 361 | Dr. Ashwini K Ashwini | Analysis of Air Quality Prediction using Artificial Neural Networks | 12:45-13:00 |
| 7. | 411 | Shubhi Saxena | Integrating Artificial Intelligence and Machine Learning Algorithms to Enhance Cybersecurity for E-Investment | 13:00-13:15 |
| 8. | 360 | Rinki Maurya | DC Microgrid Voltage Regulation: A Q-Learning Reinforcement Approach for DC-DC Buck Converters | 13:15-13:30 |

UPCON-2024: Technical Session 3, Day -2

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|------------------------------|---|
| Date & Time (IST) | November 30 ,2024, Time – 14:30 – 17:00 |
| Venue/Mode | G-214 Smart Class Room / Physical Mode |
| Track 2(c) | Women in Engineering |
| Session 3 | - |
| Chair | Prof. Suman Avdhesh Yadav (Mob. +9910719256) |
| Co-Chair | Dr Shubhi Gupta, sgupta1@gn.amity.edu , Mob +91 96541 39399 |
| Faculty Coordinator | Er. Prabhat Yadav, (9935515420) |
| Student Volunteer | |

| S.NO | Paper ID | Corresponding Author/Presenter | Paper Title | Timing |
|------|----------|--------------------------------|--|-------------|
| 1. | 366 | Dr. Ashwini K Ashwini | Prediction of Parkinson’s disease: A Machine Learning Approach with Explainable AI Interpretation | 14:30-14:45 |
| 2. | 367 | Ishu Chaudhary | Green Communication, Powered by Internet of Things (IoT) – Eco-Conscious Connectivity for a Greener Tomorrow | 14:45-15:00 |
| 3. | 370 | Mahak garg | Resonating Silence: Music Perception in the Deaf and Hard of Hearing | 15:00-15:15 |
| 4. | 426 | Ankita Singh | Optimal Configuration of Distribution Network using Selective Particle Swarm Optimization and OpenDSS | 15:15-15:30 |
| 5. | 438 | T G Ramnadh Babu | Feature Augmentation and Convolutional Neural Networks for Accurate Prediction of Heart Disease | 15:30-15:45 |
| 6. | 449 | Priya Mittal | GDNet: Detection of Glaucoma using Deep Learning | 15:45-16:00 |
| 7. | 455 | Sarah Khursheed | A Comparative Analysis for Grapes Leaf Disease Diagnosis Using Deep Learning Models | 16:00-16:15 |
| 8. | 457 | Sachikanta Dash | An Improvised Diabetes Prediction System using Hybrid Ensemble Approach | 16:15-16:30 |
| 9. | 608 | AKANSHA GUPTA | Conceptualizing the need of computer aided technologies for molecular diagnostics of mutational genes: A review | 16:30-16:45 |
| 10. | 499 | sankalp paliwal | MACHINE LEARNING-DRIVEN ANALYSIS OF SOIL NUTRIENTS AND ENVIRONMENTAL FACTORS FOR OPTIMIZED CROP SELECTION IN SUSTAINABLE AGRICULTURE | 16:45-17:00 |

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| Date & Time (IST) | November 30 ,2024, Time – 14:30 – 17:00 |
| Venue/Mode | G-213 Smart Class Room / Physical Mode |
| Track 2(d) | Women in Engineering |
| Session | - |
| Chair | Dr. Smita Sharma, smitapandey86@gmail.com (Mob. 9650339961 |
| Co-Chair | Dr Swati Vashisht, swati.vashisht@glbitm.ac.in , Mob. +91 96545 32684 |
| Faculty Coordinator | Er. Priyanka (7839421128) |
| Student Volunteer | |

| S.NO | Paper ID | Corresponding Author/Presenter | Paper Title | Timing |
|------|----------|--------------------------------|--|-------------|
| 1. | 350 | Naziya Aslam | Temporal Data Integration for Robust Energy Consumption Forecasting in Big Data Environment | 14:30-14:45 |
| 2. | 462 | Rishi Mrinal | In silico Identification of GABRA2 Inhibitors Leveraging the Power of Virtual Screening | 14:45-15:00 |
| 3. | 474 | Sheetal Agarwal | WorldLangAI: Convert Global Languages by Unleashing the Power of Generative AI | 15:00-15:15 |
| 4. | 481 | Amrita , | Mountain Climber Health Monitoring And Prediction System Using Fog Computing | 15:15-15:30 |
| 5. | 501 | swati singh | Arc Cut Triangular Shape Microstrip Patch Antenna for UWB Applications | 15:30-15:45 |
| 6. | 515 | Rajesh Gupta | Smart DeFi Lending: Intelligent NFT-Backed Loans Framework for Risk Management in DeFi Platforms | 15:45-16:00 |
| 7. | 533 | Praveen RVS | Enhancing IoT-Based Smart Farming Security with a Hybrid GRU Intrusion Detection System | 16:00-16:15 |
| 8. | 596 | Snehi Srivastava | Analyzing Student Engagement with ChatGPT: A Data-Analysis Perspective | 16:15-16:30 |