Day-1 (21-04-2023)

09:00 AM to 11:00 AM — Inaugural Ceremony and Keynote address by "Padma Shri" Dr. Prahlada Ramarao

Timings	Venue: Seminar Hall-1 (Online) T1: Smart and Secure Healthcare Systems using AI and ML		Venue: LHW 101 (Online) T2: Application of AI and ML in Disease Detection		Venue: LHW 102 (Online) T3: Reviews on Disease Prediction using ML and DL		Venue: LHW 103 (Online) T4: Detection of Diseases using AI and ML		Venue: LHN 101 (Online) T5: Computer Vision and Monitoring Devices in Healthcare	
11.00 AM to 11.20 AM	PID-025	Machine Learning Models for Life Expectancy (PA: Deepanshi Jalan)	PID-169	Heart Disease Prediction using Ensemble Model (PA: M.S. Anandha Surya)	PID-079	Survey on Road Accidents with Solution (PA: Shrey Agrawal)	PID-036	An End-to-End Hybrid Learning model for detection of Covid-19 from Chest X-ray images (PA: Kanishkha Jaisankar)	PID-23	Computer Vision and IoT Based Smart System for Visually Impaired People (PA: Ratish Kumar K)
11.20 AM to 11.40 AM	PID-055	Implementation of different U-Net architectures for segmentation of lung cancer CT images (PA: P. Stoila Cindy)	PID-195	An Early Prognosis of Lung Cancer using Machine Intelligence (PA: Akash Vishwakarma)	PID-084	A Review on Diagnosis of Lung Cancer and Lung Nodules in Histopathological Images using Deep Convolutional Neural Network (PA: Shimna P K)	PID-134	Suicidal Ratio Prediction Among the Continent of World: A Machine Learning Approach (PA: Aka Das)	PID-35	Diabetic Retinopathy Detection & Classification using EfficientNet Model (PA: Harshith N M)
11.40 AM to 12.00 PM	PID-066	Digital Twin of a Musculoskeletal System (PA: Abraham George)	PID -231	Machine learning based diagnosis of lumpy skin disease (PA: Somil Gambhir)	PID -143	A Brief Review of Machine Learning Methods used in Mental Health Research (PA: Veerpal Kaur)	PID -204	Melanoma Malignancy Prognosis Using Deep Transfer Learning (PA: R. Shobarani)	PID -108	Application of Machine Learning in Driver Drowsiness Detection (PA: Aishbir Singh)
12.00 PM to 12.20 PM	PID-109	Respiratory disorder classification based on lung auscultation using MFCC, Mel Spectrogram and Chroma STFT (PA: Aditya Bapat)	PID-291	Breast Cancer Prediction Using Different Machine Learning Algorithms: A Comparative Study (PA: Chitra Saini)	PID-226	A Study on Tuberculosis With Deep Learning and Machine Learning Approaches (PA: Madhvan Bajaj)	PID-267	Automatic segmentation of mandibular condylar in dental OPG images using modified mask RCNN (PA: Ajay S)	PID-121	Noninvasive Wearable Device for Monitoring and Assisting Asthma Patients (PA: Himani B M)

12.30 PM to 1.30 PM — Lunch

Timings	T6: AI and ML in Natural Disaster Mangaement and Time series Decomposition (Online)		T7: Weblogs and Social Media Analytics using AI and ML (Online)		T8: Stock Market and Bussiness Analytics Using AI and ML (Online)		T9: Financial and General Analytics using AI and ML (Online)		T10: Machine Intelligence and Smart systems (Online)	
01.30 PM to 01.50 PM	PID-003	Flood Risk Assessment Mapping of Nainital District Using GIS Tools (PA: Komal Rai)	PID-057	Hybrid Model for Email Spam Prediction Using Random Forest for Feature Extraction (PA: Hardik Saini)	PID-018	An Association Based Approach to Elicit and Measure Impact of Features on Sales of A Garment Retail (PA: Dillip Rout)	PID-053	Visual Question Answering Optimized Framework using Mixed Precision Training (PA: Souvik Chowdhury)	PID-29	A Comparison of YOLO Based Vehicle Detection Algorithms (PA: Ayush Dodia)
01.50 PM to 02.10 PM	PID-021	Rainfall Time Series Forecasting using ARIMA model (PA: Swagatam Bora)	PID-058	Social Engineering Defender (SE.Def): Human Emotion Factor Based Classification and Defense against Social Engineering Attacks (PA: Adarsh S V Nair)	PID-022	Survey of Stock Market price Prediction trends using Machine Learning Techniques (PA: Emany Sri Revant)	PID-078	Software Requirment Classification Using Machine Learning Algorithms (PA: Kruti Lavingia)	PID-68	Review on detecting copy move image forgery using a deep learning model (PA: K. Lalli)
02.10 PM to 02.30 PM	PID-133	KGR-Rainfall: Temperature-Based Rainfall Prediction in Bangladesh with Novel KGR Stacking Ensemble (PA: Abu Kowshir Bitto)	PID-091	A Sustainable social media Smart Model for the Deployment of learning skills in Universities (PA: Sahil Raj)	PID-054	Proposed Model for Prediction of Stock Market Price of Netflix (PA: Anoop Kumar Srivastava)	PID-207	Analyzing False Positives in Bankruptcy Prediction with Explainable AI (PA: Akshat Mahajan)	PID-71	Fabric Fault and Extra thread Detection using Convolutional Neural Network (PA: Sowmiya A)
02.30 PM to 02.50 PM	PID-158	Weather Monitoring and Prediction System based on Machine Learning and IoT (PA: Ashutosh Singh Rawat)	PID-099	Text Processing Tool (PA: Perpetua F Noronha)	PID-106	Extracting and Exploiting the Behavior Business Process Graph through Transition-Centric Event-Log data (PA: AFIFI Chaima)	PID- 234	Customer behavior-based fraud detection of credit card using a random forest algorithm (PA: Tushar Sharma)	PID- 89	Video Prediction using Recurrent Neural Network (PA: Aniket Ayush)
02.50 PM to 03.10 PM	PID- 217	Investigating the Fractality and Stationarity Behavior of Global (PA: Bikash Sadhukhan)	PID- 196	Machine Learning Approaches for an Automatic Email Spam Detection (PA: Archana Saini)	PID- 120	Time Frame Analysis for Sentiment Prediction of Stock Based on Financial News using Natural Language Processing (PA: Kushal Shah)	PID- 262	Thumbprint-Based Financial Locker Framework using IOT (PA: Jahnavi Gurrala)	PID- 213	Secure AI based mouse ControlSystem: Using Face Recognition and Hand Gesture (PA: Akshay Kumar)
03.10 PM to 03.30 PM	PID- 263	Innovative Method for Earthquake Prediction System using Hybrid Convolutional Neural Network and SVM (PA: N. Kanimozhi)	PID- 229	Effect of News Headlines on Gold Price Prediction using NLP and Deep Learning (PA: Sahil Jaiswal)			PID-008	Tech-It-Easy : An Application For Physically Impaired People Using Deep Learning (PA: TEJAS Maladhkar)	PID-290	Facial Image Super Resolution and Feature Reconstruction using SR-GANs with VGG-19 based adaptive loss function (PA: Shashank H S)

DAY-2 (22.04.23)

09.30 AM to 10.30 PM — Keynote Address by Dr. Dharmendra Singh (Professor (HAG), Dr. Ajit Singhavi Institute Chair Professor Coordinator- Drone Research Center, IIT Roorkee)

Timings	T11: AI in Wireless communication and Antenna Design (Online)		T12: Modern DSP and Low-power VLSI Design (Online)		T13: Computational Intelligence in Agriculture,Attendance and Pattern recognition (Online)		T14: Role of ML, Optimization and Control in Modern Power Systems (Online)		T15: Advancement of AI in Gamification and Cybersecurity (Online)	
10.30 AM to 10.50 AM	PID-041	An analysis of situational intelligence for first responders in the military (PA: Vallikannu R)	PID-004	Design and analysis of low power MAC for DSP processor (PA: Anubhav Anand)	PID-051	Weed Density Identification and Precision Spraying Techniques in Agriculture: A Review (PA: Abhiram Galla)	PID -110	Frequency control of an islanded microgrid using self-tuning fuzzy PID controller (PA: Yasir Yousuf)	PID-20	Application of Symbolic Regression to Unsolved Mathematical Problems (PA: Keito Tanemura)
10.50 AM to 11.10 AM	PID-042	Ambient Intelligence based LED lighting control system using BACnet Protocol (PA: Sankar P)	PID-017	Design of 4-bit Servo Tracking type ADC using Sky-Water SKY130 PDK and eSim (PA: Ashwini Kumar)	PID-061		PID -170	State of Health of Lithium-ion Batteries by Data driven technique with Optimized Gaussian process regression (PA: K Mounika Nagabushanam)	PID-46	Gameplay Automation (PA: Aasheesh Mahammad Shaik)
11.10 AM to 11.30 AM	PID-072	Design and Development of a system for the improvement of network efficiency in IEEE 802.11e (PA: Harpreet singh bedi)	PID- 075	Performance Evaluation of Classifiers for ECG Signal Analysis (PA: Sundari Tribhuvanam)		A Survey Paper on Precision Agriculture based Intelligent system for Plant Leaf Disease Identification (PA: Supriya Shukla)	PID-191	Control and Design of an Electric vehicle battery charger utilizing solar based PV system (PA : Arnab Banerjee)	PID- 93	Use of Artificial Intelligence to Avoid Errors in Referring a Football Match (PA: Mazi Essoloani Aleza)
11.30 AM to 11.50 AM	PID-138	Compact and Efficient Monopole Antenna Designs Based on AI-Driven EM Optimization Techniques (PA: S. Sreekar)	PID- 155	Three Dimensional Emotion State Classification based on EEG via Empirical Mode Decomposition (PA: Neha Gahlan)	PID-227	Pehchaan: A touchless attendance system (PA: Muskan Hassanandani)	PID- 247	Risk-Based Reliability Assessment of Modern Power Systems using Machine Learning and Probability Theory (PA : B Rajanarayan Prusty)	PID-137	Designing a popular game framework using neat and generic algorithms (PA: Madava Raj K)
11.50 AM to 12.10 PM	PID- 152	An Implementation of Hyperchaotic Encryption Based Steganography With XOR Operation In Wireless Transmission (PA: Sivaranjani M)	PID- 161	Design of a Low Power Complementary Current Controlled Skewed Delay Voltage Controlled Oscillator using CNTFET (PA: Vikram Singh)	PID- 246	An Improved Approach To Classify Plant Disease Using CNN And Random Forest (PA: Shivdutt Dixit)	PID-292	A Comparison between the FOTID and FOPID Controller for the Close-Loop Speed Control of a DC Motor System (PA: Biresh Kumar Dakua)	PID- 179	Computational Time Complexity for k-Sum Problem amalgamated with Quantum Search (PA: Anurag Dutta)
12.10 PM to 12.30 PM	PID- 163	V-shaped asymmetric slit patch antenna for wireless applications loaded with dual complementary split ring resonators (PA: J Siddartha Varma)	PID- 235	Novel Obfuscated Secure Architecture for Baugh Wooley Multiplier (PA: Jyotirmoy Pathak)	PID- 260	Performance analysis of different classifiers for the application of human activity identification (PA: Ajey Shakti Mishra)	PID-077	Self-organizing clustering by Growing-SOM for EEG-based Biometrics (PA: Pilar Gómez-Gil)	PID- 185	Detect & Defend: Deep Learning for Real-Time Cross-Site Scripting Attack Detection (PA: Virendra kadyan)
12.30 PM to 12.50 PM	PID- 180	Trust value-based energy-efficient routing protocol to improve lifetime in heterogeneous WBAN (PA: T Saravanan)	PID- 271	Pseudo-Resistor based Low-Power Differential Voltage Comparator (PA: Settem Sasidhar Reddy)	PID-302	Development of AI enabled solution for efficient feature enrichment from multiple data sources: An application in precision Agriculture (PA: Vatsala Singh)			PID- 192	Spark-based Distributed Intelligent Network Intrusion Detection System for Unified Dataset (PA: Jyoti Verma)
12.50 PM to 01.10 PM	PID- 222	Study of 2x2 MIMO Circular patch Antenna for WiFi-6 (or) WiFi-6e(IEEE 802.11ax) Applications (PA: Ayush Kumar Sharma)								

01.30 PM to 02.30 PM — Lunch

Valedictory Ceremony: Keynote address by Dr. Kavi Mahesh (Director, IIIT Dharwad)

(followed by Vote of Thanks by the Organizers)

*PA: Presenting Author ; The Time is Indian Standard Time (IST)