

SRM Institute of Science and Technology, DELHI-NCR Campus, Modinagar, Ghaziabad, U.P., India							
13 th International Conference on Recent Trends in Computing (ICRTC 2025)							
PROGRAMME SCHEDULE: July 04-05, 2025							
DAY - 1 (Friday - July 04, 2025)							
08:45-9:45 AM	Registration				In front of Peter F. Drucker Hall		
10:00-11:15 AM	Inaugural Ceremony				Venue: Peter F. Drucker Hall		
11:15-11:45 AM	High - Tea						
Talk Session - 1							
Timings	Talk	Speaker					
11:45 - 12:30	Talk-1	Prof. (Dr.) Rajneesh Sharma, NSUT, Delhi, India.			Venue: Peter F. Drucker Hall		
12:45-14:00	Lunch Break						
Session - 1A (Track - Computational Intelligent Systems and Soft Computing)							
Timings	Paper Id	Paper Title	Name of Author	Email Id	Session Chair	Coordinator	
14:00 - 14:12	43	Design and Implementation of Filtenna for WiFi Applications	Swati Vaid, Inderprastha Engineering College	swati.vaid@ipecc.org.in	Dr. Mrityunjay Singh, Dr. Rolly Gupta, Dr. Rajneesh	Dr. Rolly Gupta	Venue: Lecture Hall 210
14:12 - 14:24	6	Modeling the Coenzyme A (CoA) Biosynthesis Pathway in Mycobacterium tuberculosis H37Rv Using Petri-Nets	Abhilash, SRM IST, Modinagar	abhilashsharma@gmail.com			
14:24 - 14:36	49	Enhancing Vulnerability Detection in Android Native Code: Addressing Reachability Functions Using Ghidra	Galgotia College of Engineering & Technology	devanshukd007@gmail.com			
14:36 - 14:48	112	Optimizing Heart Disease Prediction: Assessing Feature Importance and Machine Learning Model Efficiency	Prateek Singhal, Christ University, Delhi-NCR	prateeksinghal2031@gmail.com			
14:48 - 15:00	118	Unveiling Emotional States Through EEG: Deep Learning Techniques for Enhanced Emotion Classification	Devashish, Amity University Noida	tigganeha4@gmail.com			
15:00 - 15:15	264	Motor Imagery Classification Using CEEMDAN-HHT Features with PCC-Optimized IMF Selection	Ronit Singh Negi, NSUT	amit.kukker@gmail.com			
Session - 1B (Track - Computational Intelligent Systems and Soft Computing)							
Timings	Paper Id	Paper Title	Name of Author	Email Id	Session Chair	Coordinator	
14:00 - 14:12	126	Intelligent Crop Selection using Machine Learning	Abhishek Puri, ABES Engineering College	upadhyay.divya@gmail.com	Dr. Ankur Kumar, Dr. Naresh Sharma, Dr. Lalit Sagar	Dr. Naresh Sharma	Venue: Lecture Hall 211
14:12 - 14:24	127	Advancing spatio-temporal predictive modelling in intelligent transportation systems: a comprehensive survey of machine learning and deep learning approaches	Madan Singh, Christ delhi - NCR	madan.phdce@perdanauniversity.edu.my			
14:24 - 14:36	131	Smart Surveillance and Law Enforcement Optimization System	Arjun Jain	prajapatiyogendra@akgec.ac.in			
14:36 - 14:48	148	Fault-Tolerant Strategies and Federated Learning for Resilient Edge Computing: A Comprehensive Survey	Sangati Veera Vardhan Reddy, Christ Delhi-NCR	prateeksinghal2031@gmail.com			
14:48 - 15:00	159	DermAI : Skin Disease Prediction Using CNN	Tapasya Choudhary	shivitri03@gmail.com			
15:00 - 15:15	288	Deep Learning Driven Smart Surveillance System for Wildlife Conservation and Anti-Poaching Efforts	Dr. Priyanka Tupe-Waghmare , Symbiosis Institute of Technology, Pune	priyanka.tupe@sitpune.edu.in			
Session - 1C (Track - Computational Intelligent Systems and Soft Computing)							
Timings	Paper Id	Paper Title	Name of Author	Email Id	Session Chair	Coordinator	
14:00 - 14:12	162	Thrive-Dine: A Machine Learning Powered Diet Recall App for Personalized Nutrition Management	Akshat Srivastava	akshat.2125csit1183@kiet.edu	Dr. Sahil Neelam, Dr. Vinay Singhal, Dr. Vinam Tomar	Dr. Vinay Singhal	Venue: Lecture Hall 212
14:12 - 14:24	300	Design and Implementation of a Smart Helmet System for Enhanced Rider Safety	Sushma Parihar, Symbiosis Institute of Technology, Pune	sushmap@sitpune.edu.in			
14:24 - 14:36	164	Using AI & ML for Selenium web UI test : a case study on E-commerce & trading Application	Shivam Thakur, CHRIST (Deemed to be University) Delhi NCR	shivamthakur21@gmail.com			

14:36 - 14:48	290	A Web Based AI Application For Image Editing	Praveen Kumar Gupta, Galgotias University, UP, India	parbhatgupta3@gmail.com			
14:48 - 15:00	124	Smart Outfit Recommendation System Using machine learning	Ashutosh Mishra, ABES Engineering College, Ghaziabad	upadhyay.divya@gmail.com			
15:00 - 15:15	303	Glaucoma Detection from Fundus Images Using Texture Features and Machine Learning Techniques	Aditya Sharma	amit.kukker@gmail.com			
15:15 - 15:30	Tea Break						
Session -2A (Track - Computational Imaging and Signal Processing)							
Timings	Paper Id	Paper Title	Name of Author	Email Id	Session Chair	Coordinator	
15:30 - 15:42	169	CNN-Based Facial Emotion Recognition for Productivity Analysis in Autism Spectrum Disorder (ASD	Adarsh Kushwaha	aryankush2002@gmail.com	Dr. Mrityunjay Singh, Dr. Pushpendra Singh, Dr. Jitendera Singh	Dr. Pushpendra Singh	Venue: Lecture Hall 210
15:42 - 15:54	269	Analyzing Big Data Research: A Informetric Perspective on Challenges	Dr. Dinesh Kumar, SRM IST, Delhi NCR Campus	parbhatgupta3@gmail.com			
15:54 - 16:06	4	IoT and Blockchain: An Innovative Framework for Securing Drug Supply Chains and Ensuring Pharmaceutical Safety	Niranjan Lal , SRM IST, Delhi NCR Campus	niranjan_verma51@yahoo.com			
16:06 - 16:20	306	Embedded Control System Development: A Model Based Design Approach	Dr. Shilpa Hudnurkar, Symbiosis Institute of Technology, Pune	shilpa.hudnurkar@sitpune.edu.in			
Session -2B (Track - Computational Imaging and Signal Processing)							
Timings	Paper Id	Paper Title	Name of Author	Email Id	Session Chair	Coordinator	
15:30 - 15:42	202	HOME AUTOMATION USING AUGMENTED REALITY	SIDDHARTH AGARWAL	Sidag7886@gmail.com	Dr. Ankur Kumar, Dr. Oshin Sharma, Dr. Charanjit Dutta	Dr. Oshin Sharma	Venue: Lecture Hall 211
15:42 - 15:54	218	Privacy - Preserving Sign Language Recognition: A Federated Learning Approach for Decentralised and Secure Communication Systems	Adrisha Gupta, KIET Group of Institutions	chaudhrymeeta1@gmail.com			
15:54 - 16:06	219	Ethereum Smart Contracts for Blockchain Crowdfunding	Akshat Verma, KIET Group of Institutions	akshatvermaav4@gmail.com			
16:06 - 16:20	241	A Hybrid Machine Learning Approach for Enhanced Software Defect Prediction through Optimized Feature Selection	Pancham Ram, Research Scholar	pancham.ram.phd22@nsut.ac.in			
Session -2C (Track - Computational Imaging and Signal Processing)							
Timings	Paper Id	Paper Title	Name of Author	Email Id	Session Chair	Coordinator	
15:30 - 15:42	175	A Deep Transfer Learning Approach For Image Based Disease Detection	Souvik Mondal , Sharda University	amritaprasad_y@yahoo.com	Dr. Sahil Neelam, Dr. Abhilasha Singh, Prof. Shashi Mehrotra	Dr. Abhilasha Singh	Venue: Lecture Hall 212
15:42 - 15:54	186	Plant Disease Detection And Crop Recommendation System	Aryan Gupta, ABES Engineering College, Ghaziabad, India	gahoiaryan34214@gmail.com			
15:54 - 16:06	194	Analysis of an Encryption Technique in Multi-Tenant Cloud Environment	Priyam Srivastava, Amity University, Uttar Pradesh	skdubey1@amity.edu			
16:06 - 16:20	200	Enhancing Image Quality and Early Gastric Cancer Detection	Kaushal Kishor, ABES Institute of Technology, Ghaziabad	kaushal.rastogi07@gmail.com			
DAY - 2 (Saturday - July 05, 2025)							
Talk Session - 2							
Timings	Talk	Speaker					
10:00-10:45	Talk 2	Dr. Rajni jain, Principal Scientist, ICAR-NIAP, Delhi, India			Venue: Peter F. Drucker Hall		
10:45-11:00	Tea Break						
Session - 3 (Track -Computational Intelligence in Wireless Networks)							
Timings	Paper No.	Paper Title	Name of Author/Co-Author	Email Id	Session Chair	Coordinator	
11:00 - 11:12	220	Enhancing Human Face Recognition using a Hybrid CNN and Softmax Based Model	Pancham Singh, AKGEC, Ghaziabad	pancham.akg@gmail.com			
11:12 - 11:24	277	Real-Tomato Plant Health Monitoring and Disease Prediction Using ML Models	Sonal , Kirti, Bhawna	brijeshkr@igdtuw.ac.in			
11:24 - 11:36	249	Realtime Image Analyzing and Captioning with Voice Output for Visually Impaired Individuals	Ravish kumar, GL Bajaj Institute Of Technology and Management	csailt2219@glbitm.ac.in			

11:36 -11:48	279	Real-Time Congestion Analysis and Adaptive Redistribution with YOLOv8	Mahima, Indira Gandhi Delhi Technical University for Women(IGDTUW), Delhi	brijeshkr@igdtuw.ac.in	Dr. Sarvesh Tanwar, Dr. Dinesh Kumar, Dr. Saurabh Sharma	Dr. Dinesh Kumar	Venue: Lecture Hall 210
11:48 -12:00	285	Intelligent Brain Tumor Diagnosis From MRI Using Machine Learning Techniques	Dr. Hariom Tyagi, I.T.S Engineering College, Greater Noida	hariom2678@gmail.com			
12:00 -12:12	310	Enhancing Financial Security: Advanced Fraud Detection Method	Satinderjit Kaur Gill, Chandigarh University, Chandigarh	parbhatgupta3@gmail.com			
12:12 -12:24	292	Student Performance Modeling using Stacked Regressor	Akash Punhani	akashpunhani@gmail.com			
12:24 -12:36	294	Arduino Based PV Cell Charging Using Solar Tracker System	Vinay Kumar Singhal, SRM IST, Modinagar	singhalmca04@gmail.com			
12:36 -12:48	297	Comparative Analysis of Water Quality Assessment of Delhi using Machine Learning Models	Jyoti Ola, Indira Gandhi Delhi Technical University For Women	brijeshkr@igdtuw.ac.in			
12:48 -13:00	313	Natural Language Processing for Sentimental Analysis	Satinderjit Kaur Gill, Chandigarh University	parbhatgupta3@gmail.com			
13:00 -14:00	Lunch Break						
Session - 4 (Track -Computational Intelligence in Wireless Networks)							
Timings	Paper No.	Paper Title	Name of Author/Co-Author	Email Id	Session Chair	Coordinator	
11:00 - 11:12	13	Automated Diabetic Retinopathy Screening Using Deep Learning and Transfer Learning Approaches	Priyadharshini, Jain University, Bangalore	priyadharshinicse85@gmail.com	Dr. Siddhartha Sankar Biswas, Dr. Kanika Garg, Dr. Kumi Rani	Dr. Kanika Garg	Lab-C1
11:12 - 11:24	18	AutoFusionNet: A Transformer-based Deep Learning Model for Automatic Multimodal Feature Fusion in Parkinson's Disease Diagnosis	D.Suganya, SRM Institute of Science and Technology, Tamil Nadu	sd1821@srmist.edu.in			
11:24 - 11:36	27	Design and Analysis of Adaptive Localization Technique in Hierarchical IOT Network	Sivaram Murugan	saranyap@srmist.edu.in			
11:36 -11:48	28	MSAET-Net: A Multi-Scale Attention-Enhanced Transformer Network for Medical Image Classification and Segmentation	Dr. V. Muthukumaran, SRM Institute of Science and Technology, Kattankulathur	muthukuv2@srmist.edu.in			
11:48 -12:00	36	Advancements in Interpretable Machine Learning Models for Biomarker Discovery in Brain Stroke: A Comprehensive Review	Saravanan Sekaran, VIT, Vellore	jayashree.j@vit.ac.in			
12:00 -12:12	46	Rebalancing Portfolio using Enhanced Deep Reinforcement Learning combined with the Black-Litterman Model	Pavithra B & Vellore Institute of Technology, Vellore	vijayashree.j@vit.ac.in			
12:12 -12:24	47	Generative Adversarial Networks for Soil Classification: Enhancing Machine Learning and Deep Learning Performance	LAKSHMI KATHIRAVAN ,VIT, Vellore.	vijayashree.j@vit.ac.in			
12:24 -12:36	48	AI-Driven Predictive Maintenance for Green Data Centers: A Federated Learning Approach to Reduce Carbon Footprint	Shreesh Prateek Pathak, VIT Vellore	ddini5410@gmail.com			
12:36 -12:48	57	"PIEZOELECTRICITY: A SUSTAINABLE SOLUTION TO THE ENERGY CRISIS"	A.Priyadharshini/Jain Deemed to be university	priyadharshinicse85@gmail.com			
12:48 -13:00	58	Multi-Stage Brain Tumor Classification Using Deep Neural Networks	Abhimanyu Dudeja, , SRM Institute of Science and Technology, Kattankulathur	saranyap@srmist.edu.in			
Session - 5 (Track -Computational Intelligence Applications)							
Timings	Paper No.	Paper Title	Name of Author/Co-Author	Email Id	Session Chair	Coordinator	
11:00 - 11:12	110	Finger Vein Biometric Identification: An Empirical Evaluation of Transfer Learning with Different CNN Models	Jyotiprakash Dash,, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar	2281073@kiit.ac.in			
11:12 - 11:24	143	A Zero-knowledge Undeniable Signature for Electronic Medical In-formation System over Tropical Algebra	Kashifa Begum A	kb5928@srmist.edu.in			

11:24 - 11:36	170	Improved SqueezeNet Based Deep Learning model for Breast Cancer Detection	Govindu Vijay Kumar & Autonomous(JNTUH)	vijaygovindu13082000@gmail.com	Dr. Devendra Rawat, Dr. Atulya Gupta, Dr. Juhi Singh	Dr. Atulya Gupta	Lab C2
11:36 -11:48	199	Detection and Classification of Non-Melanoma Skin Cancer Using Deep Learning Model	Gnanesh Vaka, SRM Institute of Science and Technology, Kattankulathur	saranyap@srmist.edu.in			
11:48 -12:00	227	Underwater Communication Through LiFi Technology Using an LED Matrix-Based System	Revanth Kumar, Siridhara, Aditya University	siridhara@gmail.com			
12:00 -12:12	166	Exploring Xception Model for Facial Emotion Recognition in ADHD and ASD	Nimisha R. Nair	tigganeha4@gmail.com			
12:12 -12:24	252	Design and Implementation of an IPL Auction System using PHP and MySQL: A Web-Based Bidding Platform	Ayan Brijesh, Manipal University Jaipur, India	ayanbrijesh014@gmail.com			
12:24 -12:36	254	Economic and Technical Innovations in the AI Age: Transforming Modern Business Practices	Harish Rawat, Doon University	apsvg2@gmail.com			
12:36 -12:48	275	Formal Verification and Comparative Analysis of a Lightweight Authentication Protocol for IoT Healthcare Applications	M.Arvindhan, Amity university, Gwalior, Madhya Pradesh	m.arvindhan@outlook.com			
12:48 -13:00	281	A Hybrid Image Compression Framework Using DWT and Wavelet-GAN with Entropy Coding	S Narasimhulu, Sri Venkateswara University, Tirupati	narasimhulu903@gmail.com			
Session - 6 (Track -Computational Intelligence Applications)							
Timings	Paper No.	Paper Title	Name of Author/Co-Author	Email Id	Session Chair	Coordinator	
11:00 - 11:12	60	Machine Learning Techniques Applied to Predictive Modelling and Clustering for Air Quality and Health Diagnostics	Vikram Neerugatti, Jain University	vikram.n@jainuniversity.ac.in	Dr. Vimal Kumar, Prof. Harish, Dr. Partheeban	Mr. Kshitiz Saxena	Lab C3
11:12 - 11:24	65	DeepSkinNet: Deep Learning Model for Automated Skin Cancer Diagnosis from Skin Lesions	Krithiga.M, SRM Institute of Science and Technology, Chennai	km2033@srmist.edu.in			
11:24 - 11:36	82	Estimating Impulse Noise Level Using Local Similarity of Adaptive Threshold	Chilakala Shanthi	usnraju@nitw.ac.in			
11:36 -11:48	83	Quantifying Noise Levels in Images Using a Hybrid Efficient-Inception Model	Chilakala Shanthi	usnraju@nitw.ac.in			
11:48 -12:00	97	Hybrid Ensemble Learning Models for Accurate Phishing Website Prediction with Cross-Validation	kunal kailas meshram, G H Raisonni College Of Engineering Nagpur	kunal.meshram.trs@ghrce.raisonni.net			
12:00 -12:12	291	Analysis of Energy Harvesting Schemes of Wireless Body Area Sensor Networks	Samita Kiran Bhandari, Amity University Gwalior, M.P	Samita.bhandari@s.amity.edu			
12:12 -12:24	37	Dynamic LoRA: Enhancing Gemma’s Multilingual Capabilities with TensorRT-LLM	Naru Venkata Pavan Saish	vijayashree.j@vit.ac.in			
12:24 -12:36	205	Enhancing Cybersecurity Through Effective DoS and Brute Force Attack Management	Sahil Sehrawat, Maharshi Dayanand University, Rohtak, Harvana, India	sahilsehrawat934@gmail.com			
12:36 -12:48	231	THE EVOLVING LANDSCAPE OF CLOUD COMPUTING: AI INTEGRATION, THREATS, CHALLENGES AND SECURITY CONCERNS	Prakhar Singh	prakhar.singh.282@gmail.com			
12:48 -13:00	282	Long Reach High Speed MEO based Inter-satellite Optical Wireless Incorporating Dual m-QAMs	Preeti Pannu, Guru Nanak Dev Engineering College, Ludhiana	preetipannu7@gmail.com			
14:00-15:00	Valedictory Ceremony				Venue: Peter F. Drucker Hall		
15:00-15:15	High Tea						
END OF CONFERENCE							