INCET 2023 Schedule

TIVELT 2025 Schedule						
4 th INTERNATIONAL CONFERENCE OF EMERGING TECHNOLOGIES (4 th INCET 2023)						
Technical Co-Sponsored By:						
	IEEE Bangalore Section					
	Venue: - Jain College of Engineering, Belagavi, Karnataka, India.					
		$26^{th} - 28^{th} \mathrm{MAY} 2023$				
Conference Main Schedule						
Time Events						
	8.45 am -10.45 am	Session -I				
	9.30 am -10.15 am	Break Fast & Tea				
	10.20am - 10.25 am	Welcome Note				
	10.25 am – 10.35 am	Lamp Lighting & Video playback of INCET				
26 th MAY 2023	10.35 am – 10.40 am	Release of Conference Proceedings				
	10.40 am -10.50 am	Brief about Conference by General Chair Dr. J. Shivakumar				
	10:50 am to 11:00 am	Address by: Dr. Ramakrishnan Raman (Excom Member, IEEE Bangalore Section)				
	11.00 am -11.15 am 11.15 am - 11.25 am 11.25 am - 11.30 am	Address by Hon Chief Guest: Dr. Shivaprasad (Director Karnataka Higher Education Academy, Dharwad) Presidential Remarks: Prof. R. G. Dharwadkar Director, Jain Group of Institutions, Belagavi Vote of Thanks: Dr. Krupa Rasane (Convener - INCET)				
	11.30 am -12.15 pm	Keynote Session – Dr. Ramakrishnan Raman (Honeywell Technology Solutions, Bangalore)				
	12.15 pm -1.00 pm	Keynote Session – Dr. Sunil Soumya (IIIT Dharwad)				
	1.15 pm- 1.45 pm	Lunch				
	1.45 pm - 3.45 pm	Session –II				
	4.00 pm - 6.00 pm	Session –III				
	8.45 am - 10.45am	Session –I				
27 th MAY 2023	11.00am - 12.00 pm	Keynote Session I – Dr. Yang Yue (Xi'an Jiaotong University, China)				
21 NIA1 2023	1.45 pm - 3.45 pm	Session –II				
	4.00 pm - 6.00 pm	Session -III				
28 th MAY 2023	845am - 3.45 pm	Sessions				

Technical Co-Sponsored By

IEEE BANGLORE SECTION.

Venue: - Jain College of Engineering , Belagavi , Karnataka, India.

Session Schedule

26th MAY 2023

CONFERENCE ORAL SESSIONS SCHEDULE

Time: 8:45 AM - 10:45 AM TRACK- A1: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing Hall Name: A-001

Session coordinator: Prof. B.I. Kattimani Session Chair : Dr.RAJU ANITHA

Sr. No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	4	G, Ramachandran*	Artificial Intelligence Energy Efficiency in Low Power Applications	8.45 AM	9.00 AM
2	7	G, Ramachandran*	Deep CNN: Classification of Known Classes and Unknown Classes Based on Softmax Prediction	9.01 AM	9.15 AM
3	18	A, Sheik Abdullah*; V, Naga Pranava Shashank; D, Altrin Lloyd Hudson; Ramanan, Vimal S	An efficient Decision support system for Stock Market Prediction using Technical Indicators as features by Machine Learning Approaches	9.16 AM	9.30 AM
4	33	Hasan, Mubashshira*; Rughwani, Vidhi C; Badhe, Sanskruti J; Koshy, Reeta	Synopsis creation for research paper using text summarization models	9.31 AM	9.45 AM
5	39	Jolly, Vedant*; Jain, Rishabh K; Shah, Jaiwin	Smart intelligent system that can code like a human being	9.46 AM	10. 00 AM
6	46	Dalvi, Manas M*; Kulkarni, Manas A.; Mali, Tejas; Manalwar, Manthan; Manakshe, Aman; Bhatele, Priyanka	Smart Waste Segregation Using IoT	10.01 AM	10.15 AM
7	47	Bangdiwala, Malhar*; Mehta, Yashvi; Mahadik, Sakshi; Salunke, Abhijeet; Das, Rita	Automated Library Management System using Face Recognition and OCR	10.16 AM	10.30 AM
8	58	Parida, Pradyumna*; Parida, Pradyumna; Sinha, Sneha; Agrawal, Arun Prakash; Yadav, Raghuraj	Predicting The General Election 2024 Using Ml And Data Analytics	10.30 AM	10.45 AM

Time: 11:30 AM- 1.30 PM TRACK A2: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing Hall Name: A-001 Session coordinator: Prof. S B Hugar

Session Chair : Dr. Kapil Joshi

Sr. No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	86	Mahajan, Chetashri*; Joshi, Manvita; Korgaonkar, Traividya; Raul, Nataasha; Naik, Meghana	Mental Health Analysis using Deep Learning on Social Media Data gathered using Chrome Extension	11.30 AM	11.45 AM
2	116	Yadlapalli, Priyanka*; Sahith Kumar, Vanga; Gourishetty , Vivek	Multi Lung Disease Detection using Artificial Intelligence	11.45 AM	12.00 PM

3	124	Bhattacharya, Madhubrata*; Datta, Debabrata	Diabetes Prediction using Logistic Regression and Rule Extraction from Decision Tree and Random Forest Classifiers	12.00 PM	12.15 PM
4	129	Mohod, Eshaa N.*; Hemnani, Sahil R; Munot, Akshay V; Narkhede, Kaustubh N; Sonare, Babita D.	An Effective Smart Goggle To Address The Problem Faced By The Visually Impaired People	12.15 PM	12.30 PM
5	132	Ramesh, Aakansha*; Jadhav, Swaranjali ; Thube, Gauri	Realtime News Analysis using Natural Language Processing	12.30 PM	12.45 PM
6	157	Telrandhe, Mayur Ganesh*; Waghmode, Prathmesh Suresh; Shitole, Atharva; Bide, Pramod	Real-time Yoga Pose Classification and Correction: YogaAI	12.45 PM	1.00 PM
7	165	Kumar, Lalit*	WSAN Emerging Technology for IoT	1.00 PM	1.15 PM
8	173	Shilaskar, Swati*; Bhatlawande, Shripad S; Ashtekar, Varad Shashank; Raj, Amit	Machine Learning based Classification of Upper Arm Movements using sEMG Signal	1.15 PM	1.30 PM

Time: 1.45 PM- 3.45 PM TRACK- A3: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing Hall Name: A-001 Session coordinator: Prof. Shivanand Channi Session Chair: Dr Shanti Verma

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	182	M, Siddhanth*; R, Vishwas; P, Uthpal; Rao M P, Sathvik; Kanwal, Preet	End-to-End Person Re-Identification for Security and Analysis	1.45 PM	2.00 PM
2	183	Joshi, Dhruvi Vipul*; Harugade, Pratik; Chaudhari, Kalpana; Jambusariya, Kritk; Tiwari, Vaibhav	Predicting Mumbai's Air Quality Index by Machine Learning	2.01 PM	2.15 PM
3	188	Gupta, Advait*; Padsala, Manan; Saikia, Dr. Pallabi	Detection of Pneumonia from Chest X-Ray Images Using Transfer Learning on Deep CNN	2.16 PM	2.30 PM
4	197	Sahoo, Satyabrata*; Swain, Sarat Chandra; Dash, Ritesh	A Comparision Study Of Machine Learning Methods For Unit Price Estimation In Smartgrid	2.31 PM	2.45 PM
5	200	Kansara, Krishna*; Shimpi , Soham N; Valecha, Hanish; Parvatikar, Raghuttam P; Jewani, Kajal	Planetary Structures Detection and Segmentation Using Deep Learning	2.45 PM	3.00 PM
6	226	Yu , Fei ; Li, Li*	Highway Tunnel Environment Perception System Based on Internet of Things And Cloud Computing Technology	3.01 PM	3.15 PM
7	298	Peng, Nan *; Li, Li	Quality evaluation model of automatic machine translation based on deep learning algorithm	3.16 PM	3.30 PM
8	299	Bhopale, Shrikant D*; Sahu, Alok; Pandyaji, Kishor	Web Services Recommendation system using Machine Learning Algorithms	3.31 PM	3.45 PM

Time: 4:00 PM - 6:30 PM TRACK- A4: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing Hall Name: A-001

Session coordinator: Prof. Ravikumar M Kalmath Session Chair: Dr Rajesh Nandkumar Phursule

Sr. No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	300	Bhopale, Shrikant D*; Sahu, Alok; Pandyaji, Kishor	Automatic Web Services Recommendations using the Robust Deep Learning Approach	4.00 PM	4.15 PM
2	305	Ang, Huihui W; Li, Li*	Research on Algorithm and technology of computer intelligent image recognition	4.15 PM	4.30 PM
3	322	Srivastav, Somya; Guleria, Kalpna*; Sharma, Shagun	Predictive Machine Learning Approaches for Chronic Kidney Disease	4.30 PM	4.45 PM
4	328	Li, Li*; Li, Xiaoli	Commutator surface defect detection algorithm based on genetic algorithm	4.45 PM	5.00 PM
5	351	Shan, Bo*; Li, Li	Intelligent Identification Of Violation Of Rules In Construction Site Based On Artificial Intelligence Image Recognition Technology	5.00 PM	5.15 PM
6	356	Huang , Kai *	Intelligent Vehicle Road Detection And Early Warning Algorithm Based On Vision	5.15 PM	5.30 PM
7	376	Goyal, Aman; Mishra, Sourav*; Chaurasiya, Vijay K.	Intrusion Detection in Wireless Sensor Networks Using Deep Learning	5.30 PM	5.45 PM
8	405	S, SHALINI*; S, Sheela; P, Bhavyashree; C, Gunashree; S, Abhishek; K S, Rohan	An Effective Counterfeit Medicine Authentication System Using Blockchain and IoT	5.45 PM	6.00 PM
9	410	M, Kalaivani *; R, Shalini	Multi-Disease Prediction Techniques using Machine and Deep Learning	6.00 PM	6.15 PM

Time: 8:45 AM- 10.45 AM TRACK- B1: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing Hall Name: A-002 Session coordinator: Prof. Akshata Tanaji Patil Session Chair: Dr. Rachna K. Somkunwar

Ensemble of Fine-tuned Deep Learning Models

for Monkeypox Detection: A Comparative Study

6.15 PM

6.30 PM

Haque, Rezuana*; Sultana, Arifa; Haque,

Promila

10

415

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	433	Bangalore, Raghu A; Chhetri, Aryan R; Kumar, Kshitiz; Muthyala, Mayank Prashanth; M R, Shreyas*	Carnatic Music Identification of Melakarta Ragas through Machine and Deep Learning using Audio Signal Processing	8.45 AM	9.00 AM
2	436	Krosuri, Rithvik*; Kunapareddy, Mohan Sai; Addagalla, Sahith; Mallu, Srihith Reddy; Koppuravuri, Surya; Rashmi, Manazhy	Stock Market Price Prediction Using Machine Learning Technique And Django	9.01 AM	9.15 AM
3	465	Ye, Liping *	Construction of Network Database Based On Big Data	9.16 AM	9.30 AM
4	466	Banik, Abira; Patil, Tanaya D*; Vartak, Purva; Jadhav, Vaishnavi	Machine Learning in Agriculture : A Neural Network Approach	9.31 AM	9.45 AM
5	476	Gupta, Vishan Dr.*; Gupta, Avdhesh;	Toxicity Detection Methodology of Adverse	9.46 AM	10. 00 AM

		Singh, Mukesh; Gupta, Ashutosh; Tomar, Ankit	Outcome Pathways using Physicochemical Properties and Machine Learning Approaches		
6	493	Sunkari, Saideep*; Parameswarappa, Priya; Lanke, Govinda Rajulu; Bejgam, Rahul; Gannavaram, Venkat Tulasi Krishna	Migration of Knowledge Base Articles between Salesforce Cloud Instances	10.01 AM	10.15 AM
7	494	Li, Li*; Wang, Barrett	Application Of Analytical Computer Science And Technology In Data Management	10.16 AM	10.30 AM
8	504	Kola , Balavani ; Dasari , Sriram *; Malla , Bhavani Shankar ; Devavarapu, Sri Charan	An Optimized Plant Disease Classification System Based on Resnet-50 Architecture and Transfer Learning	10.30 AM	10.45 AM

Time: 11.30 AM- 1.30 PM

TRACK- B2: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing
Hall Name: A-002

Session coordinator: Prof. Praveen Banasode
Session Chair: Dr. Vidya Patkar

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	507	Sahu, Swati Laxmi*; R, Bhargavi	Prediction of Diseases in Potato Plant using Pre- trained and Traditional Machine Learning Models	11.30 AM	11.45 AM
2	545	Shiva, Sona*; R, Swathy	Handwritten Analysis for Gender Identification using CNN	11.45 AM	12.00 PM
3	548	Chauhan, Sneha S*; Mali, Bharat; Dhuri, Jayesh; Lokhande, Ishan; Deotale, Dr. Nilesh	Blockchain Based Chat Application	12.00 PM	12.15 PM
4	575	Vadhava, Sanmeet Singh*; Dhadwe, Suyod; Katkar, Aditya; Ghorkhana, Shubhangi; Tinsu, Jisha	A Decentralized Mail using Blockchain	12.15 PM	12.30 PM
5	611	Rathi, Pranav K*; Shaikh, Shoheb Muktar; Tekam, Rahul; Chambhare, Himanshu; Bitla, Leela	Smart Parking Using IOT	12.30 PM	12.45 PM
6	618	Ashwini, Dr. Ashwini K*	Emotion Detection from Textual Data Using Supervised Machine Learning Models	12.45 PM	1.00 PM
7	666	Shinde, Abhishek S*; Bhoir, Prajyot; Shinde, Sahil; Shaikh, Bushra Almin	An efficient ridesharing model using machine learning based on riders reviews	1.00 PM	1.15 PM

Time: 1:45 PM - 3:45 PM

TRACK- B3: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing
Hall Name: A-002

Session coordinator: Prof. Gourang Naik
Session Chair: Dr.Komal Tahiliani

Paper Start End Sr.No. **Corresponding Author Name** # Paper Title ID Time time Automatic Music Labeling Algorithm Based On 672 Xiaochen, Guo* 1.45 PM 2.00 PM Tag Depth Analysis Gudapati, Sai Geethika*; Madhumitha, Real-time Recognition of Indian Sign Language 2 675 2.01 PM 2.15 PM Tanikonda; Vaddi, Radhesyam using OpenCV and Deep Learning

3	683	Yadav, Aditya*; Singh, Shauryan; Siddique, Muzzamil; Mehta, Nileshkumar Prakash; Kotangale, Archana	OCR using CRNN: A Deep Learning Approach for Text Recognition	2.16 PM	2.30 PM
4	714	Karkaria, Vispi; Karandikar, Ankur Y; Joshi, Sarang*; Aaditya, S B Abrish; Karandikar, P B	EV Charging Infrastructure Development Using Machine Learning	2.31 PM	2.45 PM
5	716	Deshmukh, Sanket Tanaji*; Kaur, Savleen	Methods of Machine Learning in Epidemic Risk Assessment: The Case of the COVID-19	2.45 PM	3.00 PM
6	718	S, Sudhanva*; Prasad K S, Nandini; D A, Vishal; ., Yuvraaj; T N, Tarun	Conversational Chatbot Builder – Smarter Virtual Assistance with Domain Specific AI	3.01 PM	3.15 PM
7	725	Gopagoni , Andalu*; Pranitha, Beeram; Saivishal, Padmawar ; Sai Vinay, Mydam	Economic Load Dispatch Using Machine Learning	3.16 PM	3.30 PM
8	728	Li , Dongfang*	Electronic Music Signal Identification Model Based On Machine Learning Algorithm	3.31 PM	3.45 PM

Time: 4:00 PM- 6.30 PM

TRACK- B4: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing
Hall Name: A-002

Session coordinator: Prof. Ravindra Sulebhavi
Session Chair: Dr. Neha Tripathi

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	735	Du, Xikang *	Energy saving Ocean Garbage Collection Return Algorithm and System Based on Machine Vision	4.00 PM	4.15 PM
2	736	Jorvekar, Priti Prakash*	A Comprehensive Review on Deep learning Techniques for Crop Yield Prediction	4.15 PM	4.30 PM
3	737	Rane, Toshna P*; Godbole, Shreya; Gujar, Parth; More, Harshal; Adivarekar, Pravin	Securing Images with AES and Visual Cryptography Techniques	4.30 PM	4.45 PM
4	743	K B, Prajna *	Implementation Of Various Machine Learning Algorithms To Predict Polycystic Ovary Syndrome	4.45 PM	5.00 PM
5	770	Virmalwar, Pranav Ajay*; Avachat, Prajakta; Sirpor, Kunal; Zadbuke, Shantanu; Phursule, Rajesh N	Augmented Reality Snipping Tool	5.00 PM	5.15 PM
6	773	Singh, Indu P*; Misra, Ambar; Maurya, Adarsh; Verma, Ashutosh	Technical Review of Smart Assistive Devices for Visually Impaired People	5.15 PM	5.30 PM
7	776	Patil, Jeet S*; Tare, Dishant; Patil, Yash H; Rawat, Abhinav; Patil, Pooja	Design of Fully Autonomous Vehicles using Deep Learning in an Open World Simulation	5.30 PM	5.45 PM
8	777	Garg, Rumit*; Arora, Nandika; Uppal, Shagun; Kumar, Dhirendra	Proof of Opinion (PoO): A New Consensus Algorithm for Decentralized Blockchain Networks	5.45 PM	6.00 PM
9	779	Li, Yingjie*; Wang, Yitian; Zhao, Huaici	CB-YOLOv5 Algorithm for Small Target Detection in Aerial Images	6.00 PM	6.15 PM
10	809	Joshi, Devesh*; Mohd, Noor	Techniques used in Automatic Number Plate Recognition	6.15 PM	6.30 PM

Time: 8.45 PM- 10.45 PM TRACK- C1: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / CN Hall Name: A-003

Session coordinator: Prof. Varsha Gokak Session Chair : Dr. Tina Babu

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	811	Durgapal, Vartika Hari*; Chaudhry, Vinshu	Crime Evaluation Using Neural Networks By GPS Trajectory Dataset	8.45 AM	9.00 AM
2	818	Koli, Basil*; D'silva, Orvil; Butelho, Jaden C; Aloz, Admon M; Lobo, Nigel V; Sonawane, Dr. Kavita V	Tomato Crop Diseases Detection and Classification using ResNet50, DenseNet and Bins Approach	9.01 AM	9.15 AM
3	830	Borkar, Sejal P*; Patil, Pooja; Awari, Pranita; Jangul, Cristan	An Assistance System for Driver's Safety based on YOLO Algorithm	9.16 AM	9.30 AM
4	832	Konda, Ojasri*; Farooq, Sheikh Afaan; Kunwar, Anshul; Rajeev, Navmi	Anxiety Prediction and analysis- A Machine Learning based approach	9.31 AM	9.45 AM
5	835	Varghese, Dr. Saira*; Sreedhar, Dr. Sreela; S Nair, Janaki ; Vinod, Akshara; T N, Nafla; Sofia Thomas, Sesha	Portable Frmaework For Real Time Water Quality Assessment And Analytics	9.46 AM	10. 00 AM
6	837	Singh, Tanishka*; Goel, Yash; Yadav, Tanush; Seniaray, Sumedha	Performance Analysis of ELA-CNN model for Image Forgery Detection	10.01 AM	10.15 AM
7	839	C, Rohit*; Sant, Ruturaj; Nawade, Suchet; V, Vedhant; Gupta, Vikas	Exploring Edge Artificial Intelligence: A Comparative Study of Computing Devices for Deployment of Object Detection Algorithm	10.16 AM	10.30 AM
8	842	Tennakoon, Salitha Niranjana*; Islam, Raeesul; Wijerathna, Danuja P M D C B; Deen, Rimzan	An interactive application for university students to reduce the industry-academia skill gap in the software engineering field.	10.30 AM	10.45 AM

Time: 11:30 AM - 1:30 PM TRACK- C2: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / CN Hall Name: A-003

Session coordinator: Mayur Jartarkar Session Chair : Dr Ishu Sharma

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	847	Pangaonkar, Satyajit A*; Puranik, Atharv; Ghanekar, Vishwanath ; Gunjan, Reena; Rokade, Prakash	Enhancing Urban Living - A Comprehensive Solution Using Machine Learning and IoT	11.30 AM	11.45 AM
2	852	Pangaonkar, Satyajit A*; Yadav, Vidushi ; Gunjan, Reena; Rokade, Prakash	Plant Pathologist- A Machine Learning Diagnostician for the Plant Disease	11.45 AM	12.00 PM
3	860	Katiyar, Prashant *; Shukla, Kumar Skand Kartik; Kumar, Dr. Vinod	Analysis of Human Action Recognition Using Machine Learning techniques	12.00 PM	12.15 PM
4	865	Manoj, Eddula Sai*; Rohith, Bande; Abhilash, K; Reddy , Velangini Amith; Xavier, Basil	Brain Disease Classification Along With Age Estimation From MRI	12.15 PM	12.30 PM
5	870	Patil, Vaishnavi*; Thakur, Vedangi; Gupta, Nehul; Vishnoi, Tamanna; Bhangale, Kishor B	Analysis Of Affective Computing For Marathi Corpus Using Deep Learning	12.30 PM	12.45 PM
6	884	Ratheesh, Karthika*; Rajeev, Krishna; S,	Open Tool-kit for AI-based Sleep Apnea	12.45 PM	1.00 PM

		Jyothika; Menon, Athira B; Pathinarupothi, Rahul Krishnan	Scoring		
7	950	Sharma, Anshika*	Detection of Attacks in Smart Healthcare deploying Machine Learning Algorithms	1.00 PM	1.15 PM

Time: 1:45 PM- 3.45 PM
TRACK- C3: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / CN
Hall Name: A-003
Session coordinator: Shweta Mugalihal
Session Chair: Dr. Neha Gupta

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	955	Soni, Tanishq*; Gupta, Deepali; ., Ramneet	performance analysis of autism spectrum disorder using various machine learning techniques	1.45 pm	2.00 pm
2	957	Welekar, Rashmi; Dadiyala, Charanjeet*	optimizing crop yield in agriculture using data mining and machine learning techniques	2.01 pm	2.15 pm
3	969	G, Ankitha *; J, Hafsa Tuba; J, Akhilesh; Bhanu, Archana; I G, Dr.Naveen	brain tumor detection and classification using deep learning approaches	2.16 pm	2.30 pm
4	975	R, Krishnamoorthy*; K.P, Kaliyamurthie	blockchain trust based authentication protocol with malicious data analysis using deep learning architectures: electronic medical record application	2.31 pm	2.45 pm
5	1031	Saini, Archana; Guleria, Kalpna*; Sharma, Shagun	a deep learning-based convolutional neural networks model for white blood cell classification	2.45 pm	3.00 pm
6	1036	Gopalan, Ramachandran G*	analysis techniques artificial intelligence for detection of cyber security risks in a communication and information security	3.01 pm	3.15 pm
7	1044	Nataraja, Sameera*; V, Pruthvi; P, Hemanth; M, Divya T	encrypted instant messaging service using xmpp protocol	3.16 pm	3.30 pm
8	1045	Dadape, Vedang*; Gadge, Tejas D; Gavali, Aditya Bhagwat; Sonare, Babita D.; Dewan, Jaya H.; Thepade, Sudeep	detecting sarcasm in reddit comments: a comparative analysis	3.31 pm	3.45 pm

Time: 4.00 PM- 6.30 PM

TRACK- C4: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / CN

Hall Name: A-003

Session coordinator: Prof. S B Hugar

Session Chair: Dr. Jayashree Rajesh Prasad

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1049	Gupta, Nilesh*; Agrawal, Naman; Kushwaha, Shivam	Robust Image Encryption using Random Hamiltonian Pathway: A Cryptographic Paradigm	4.00 PM	4.15 PM
2	1073	P, Ullas*; Shivaprakasha, K. S.	REACT-LEACH: A More Efficient Alternative to Variants of LEACH	4.15 PM	4.30 PM
3	1079	Pandilwar, Vaibhav Umakant*; Kaur, Navjot	Moving Vehicle Detection with Real Time Speed Estimation Using Deep Learning Techniques	4.30 PM	4.45 PM
4	1080	Prusty, Soubhagya Ranjan*	Control Strategy for DC to DC Converter using	4.45 PM	5.00 PM

			MLP embedded Actor-Critic Architecture		
5	1084	Gulati, Garvit*	Classifying heart sounds for disease detection using deep learning methods	5.00 PM	5.15 PM
6	1088	Cg, Raghavendra*; Gr, Rakesh; S, Rohit; R Shetty, Prathvin; Hegde M.P, Shreeshma	An Overview on Machine Learning Techniques for Identification of Diseases in Aquaculture	5.15 PM	5.30 PM
7	1091	T, Deepa; Pamulapati, Satish Chandra*; Kadali, Tejesh Krishna; KUMAR, KONDAPUDI SANTHOSH	An Intelligent Computer Vision based Application for Student Monitoring in Classroom	5.30 PM	5.45 PM
8	1104	Pawar, Mahesh Yuvaraj*; Sewalkar, Swarupanand; Guerra, Ageda	Position sensor fault prognostic using data driven approach	5.45 PM	6.00 PM
9	1105	S, Dhanush Hariharan; Sridharan, Deveshwaran; C, Tamilselvi ; T.A, Mohanaprakash*; M, Esther Hannah; Sam , Dahlia	Real-time Monitoring and Early Detection of Diabetes with Bioactive and Biological Impedance Sensors using Hybrid Machine Learning Algorithm	6.00 PM	6.15 PM
10	1107	Somkunwar, Rachna K*; Mishra, Padmadev	Smart Irrigation with water level indicators using Logistic Regression	6.15 PM	6.30 PM

Time: 8:45 AM - 10:45 AM

TRACK- D1: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / CN

Hall Name: A-004

Session coordinator: Prof. Ravindra Sulebhavi
Session Chair: Dr.GAIKWAD VIDYA SHRIMANT

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1154	Dewan, Jaya H.*; Thepade, Sudeep; Deshmukh, Pradnya; Deshmukh, Sharvari; Katpale, Pooja; Gandole, Kartik	Comparative Analysis of Deep Learning Models for Brain Tumor Detection using Transfer Learning	8.45 AM	9.00 AM
2	1155	Kurada, Ramachandra Rao*	Raitu Vrudhi – An Android based Mobile Application for Agro-Marketing	9.01 AM	9.15 AM
3	1166	Alam, Mohammad Nazmul*; Kabir, Md. Shahin	Forensics in the Internet of Things: Application Specific Investigation Model, Challenges and Future Directions	9.16 AM	9.30 AM
4	1168	S, Abhiram; Duttagupta, Subhasri*	Decentralized File System with Chat Engine over Anonymous Overlay Networks	9.31 AM	9.45 AM
5	1177	Uyanahewa, Madhavi Imashi; Jayawardana, Hansaka D; Bandara, Dilendra N; Hapugala, Venura*; Nawinna, Dasuni; Attanayaka, Buddhima	WONGA - The Future of Personal Finance Management – A Machine Learning-Driven Approach for Predictive Analysis and Efficient Expense Tracking	9.46 AM	10. 00 AM
6	1195	Chourasiya, Nikhil*; Malhotra, Pranjay; Raj, Aditya; Kaur, Gagandeep	Security Analysis of Cryptographic Algorithms in Cloud Computing	10.01 AM	10.15 AM
7	1205	S, Swethaa*; E, Sneha; Nandini, Tata Sai; Thangarasu, Sivasakthi	Fish Biomass Estimation Based on Object Detection Using YOLOv7	10.16 AM	10.30 AM
8	1216	Mehta, Shiva*; Kukreja, Vinay; Gupta, Amit	Revolutionizing Maize Disease Management with Federated Learning CNNs: A Decentralized and Privacy-Sensitive Approach	10.30 AM	10.45 AM

Time: 11:30 AM- 1.30 PM TRACK- D2: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / CN Hall Name: A-004

Session coordinator : Prof. Ravikumar M Kalmath Session Chair : Dr. Soni Singh

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1219	Mehta, Shiva*; Kukreja, Vinay; Vats, Satvik	Empowering Farmers with AI: Federated Learning of CNNs for Wheat Diseases Multi- Classification	11.30 AM	11.45 AM
2	1234	Tirupal, T*; Naveen Kumar, M; Mahaboob Basha, P; Mahesh Babu, J; Rathan, O	OpenCV Based Smart Attendance System Using Facial Recognition	11.45 AM	12.00 PM
3	1246	Soy, Vishal*	Electrocardiogram Data Analysis Using Machine Learning	12.00 PM	12.15 PM
4	1258	Palsodkar, Prachi*; Pathak, Ayush; Lhawale, Kunjal; Srivastava, Kaustubh; Fulzele, Mahi; Khurge, Deepti S	Controlling Mouse Movement Using Hand Gestures and Voice Commands	12.15 PM	12.30 PM
5	1260	Gill, Dr. Amandeep*; Kushwah, Bhavana; Batool, Shahnazah; Singh, Dr. Manjeet	ANN and ANFIS techniques for Automatic Voltage Regulation	12.30 PM	12.45 PM
6	1279	Gupta, Meenu*; Kumar, Rakesh; Sardalia, Hrithik	Voice Assistant Technology: The Case of Jarvis AI	12.45 PM	1.00 PM
7	1283	Alagarsamy, Saravanan A*	Collaborative Recommendation System For Gadgets	1.00 PM	1.15 PM
8	1286	Balaram, Gayathri; Prabhu, Sandeep*	5G Network Management Framework for Improved Customer Experience using Artificial Intelligence and Big data	1.15 PM	1.30 PM

Time: 1.45 PM- 3.45 PM

TRACK- D3: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / CN

Hall Name: A-004

Session coordinator: Prof. Varsha Gokak

sion coordinator : Prof. Varsha Goka Session Chair : Dr Pallabi Saikia

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start Time	End Time
1	1295	Tyagi, Tirath*; Dhari, Lakshaya; Nigam, Yash; Nagpal, Renuka	Video Summarization using Speech Recognition and Text Summarization	1.45 PM	2.00 PM
2	1323	Yasmine, Anwaraly; Neha Niharika, C. V.; Mothish, K*; Harika, K; Venkatesh, V.	Crop Recommendation with IOT and ML	2.01 PM	2.15 PM
3	1331	Pawar, Amit V; Ojha, Dhiren; Kasliwal, Gaurav; Raut, Roshani*; Devkar, Anita	Driver Drowsiness Detection Using Deep Learning	2.16 PM	2.30 PM
4	1332	Puri, Prachi; Kumar, Deepak; Kukreja, Vinay*	Enhanced Detection of Wheat Mosaic Virus Using YOLOV5 Model with Adaptive Thresholding	2.31 PM	2.45 PM
5	1336	Hnamte, Vanlalruata*; Hussain, J.	Network Intrusion Detection using Deep Convolution Neural Network	2.45 PM	3.00 PM
6	1338	Joshi, Varun*; Gupta, Vanshika; Jain, Akshat; Garg, Inakshi	Chatbot for Mental health support using NLP	3.01 PM	3.15 PM
7	1340	Patil, Sameer V*; Patil, Rhitik Ashok;	Earthquake Depth & Magnitude Prediction	3.16 PM	3.30 PM

		Todakari, Nilambari; Devkar, Anita; Raut, Roshani	Model Using Artificial Neural Network		
8	1341	Morasa, Balaji*; Padmaja, Dr N; P, Gitanjal; Shaik, Saif Ali; P, Siva Kumar ; R, Sai Geetesh	Design of FIR filter with Fast Adders and Fast Multipliers using RNS Algorithm	3.31 PM	3.45 PM

Time: 4.00 PM- 6.30 PM

TRACK- D4: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing

Hall Name: A-004

Session coordinator: Prof. Akshata Tanaji Patil

Session Chair: Dr. Maya Sanjay Bembde

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start Time	End Time
1	1342	Dhas, Kashmira; Prabhu, Sandeep*	Leveraging Performance of Over-the-Top Media Platforms using Blockchain Technology	4.00 PM	4.15 PM
2	1347	Bala Pavan, Gorrepati*; Kancharla, Naveen; Kanamatha Reddy, Vamsi Reddy; Veeranki, Joshi Mani Kiran	Implementation of Covid patient Health Monitoring System using IoT	4.15 PM	4.30 PM
3	1351	Sugumaran, Bashyam; Virigineni, Sai Prasanth; Vunnava, Pramodini*; M, Ashik	IoT-Based Garbage Gas Detection System	4.30 PM	4.45 PM
4	1373	Mohammed, Zeeshan*; Kalluri, Guru Sai Jayanth	A novel approach to recognize handwritten Telugu words using character level CNN	4.45 PM	5.00 PM
5	1374	Nanavate, Atharva M*; Notwani, Dhruv ; Shelke, Siddharth; Raut, Roshani	Face Mask Detection Using Convolutional Neural Network	5.00 PM	5.15 PM
6	1385	Kukreja, Vinay; Sharma, Rishabh*; Yadav, Rishika	Improving Citrus Farming Through Efficient and Accurate Diagnosis of Lemon Citrus Canker Disease with Deep Learning	5.15 PM	5.30 PM
7	1409	Tumdam, Jayant G*; Shewale, Aditi; Raut, Aryan; Fating, Jayesh M; Ladke, Ajinkya	Data Steganography Using LSB, X-OR & AES Algorithm	5.30 PM	5.45 PM
8	1420	Kolhatkar, Dhruv; Jain, Om; Patil, Shrikar; Shelke, Priya M*; Mirajkar, Riddhi; Wawage, Pawan S	Blockchain Applications in Disaster Management Systems	5.45 PM	6.00 PM
9	1426	Bansal, Ankit; Sharma, Rishabh*; Sharma, Vikrant; Jain, Anuj Kumar; Kukreja, Vinay	Detecting Severity Levels of Cucumber Leaf Spot Disease using ResNext Deep Learning Model: A Digital Image Analysis Approach	6.00 PM	6.15 PM
10	1460	Sinha, Ruma*; Bn, Revanth; Bhimsa, Nikhil; Vr, Lekhana	Comparative Study of PI and Fuzzy Logic Controlled D-STATCOM For Improving Power Quality	6.15 PM	6.30 PM

Time: 8:45 AM - 10:45 AM TRACK- E1: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing Hall Name: A-005
Session coordinator: Prof. Shivanand Channi

Session Chair : Prof. Shiyanand Cl

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1466	D, Bhavana; Chaudhari, Shilpa*	Performance Evaluation Of Openairinterface's Scheduling Algorithms For 5G Networks	8.45 AM	9.00 AM
2	1481	Thapliyal, Siddhant*; Tripathi, Neha;	Investigating Different Deep Learning Models	9.01 Am	9.15 Am

		Negi, Rahul; Negi, Shivang	For Classification Of Folliculitis		
3	1482	Sp, Bhoomika*; S, Likhitha ; H S, Chandana; S A, Kavya; K, Bhargavi	2q-Learning Scheme For Resume Screening	9.16 Am	9.30 Am
4	1487	Bachhal, Prabhnoor*; Kukreja, Vinay; Ahuja, Sachin	Maize Leaf Diseases Classification Using A Deep Learning Algorithm	9.31 Am	9.45 Am
5	1493	K, Anushree*; Rushmi Pavitra, Dr.A.Rehash; K, Vijayalakshmi; A V R, Akshayalakshmi	Artificial Intelligence (Ai) Enabled Music Player System For User Facial Recognition	9.46 Am	10. 00 Am
6	1494	Palsodkar, Prachi*; Jadhao, Paritosh; Jadhav, Rutuja; Chaube, Kshitij; Rathod, Divya; Palsodkar, Prasanna M	Prediction Of Early Stage Alzheimer's Using Machine Learning Algorithm	10.01 Am	10.15 Am
7	1508	Rao, Yashas*; Prajapati, Shivam; Qureshi, Sarim; Nadkarni , Swati ; Retharekar, Minakshi; Avhad, Anil	Plant Disease Identification Using Deep Learning	10.16 Am	10.30 Am
8	1530	Anand, Abhiluv*; Srivastava, Ramesh	Confident Stock Price Prediction Using Markov Chains	10.30 Am	10.45 Am

Time: 11:30 AM- 1.30 PM TRACK- E2: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / Signal & Image Processing Hall Name: A-005

Session coordinator : Shweta Mugalihal Session Chair : Dr. Snehal Rathi

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1542	Mullakuri , Anusha*; D , Srinivasulu Reddy	Lung Carcinoma Diagnosis and Classification using Deep Learning	11.30 AM	11.45 AM
2	1581	Sharma, Rishabh*; Kukreja, Vinay; Vats, Satvik	A New Dawn for Tomato-spotted wilt virus Detection and Intensity Classification: A CNN and LSTM Ensemble Model	11.45 AM	12.00 PM
3	1587	B M, Tejas; S, Subash *; R, Vasanth; B P, Vani	CNN And Arduino Based Stress Level Detection System	12.00 PM	12.15 PM
4	1598	Sharma, Rishabh*; Kukreja, Vinay; Bordoloi, Dibyahash	Deep Learning Meets Agriculture: A Faster RCNN Based Approach to pepper leaf blight disease Detection and Multi-Classification	12.15 PM	12.30 PM
5	1620	Palle, Jagruth Reddy*; Kumar, Yokesh; Chekuri, Revanth; Pavuluri, Mohana Vamsi; Parlapalli, Koushik Reddy; K L, Nisha	Predictive Analysis from Patient Health Records Using Machine Learning	12.30 PM	12.45 PM
6	1625	Saragadam, Anudeepthi*; Pannati , Tharun; Gurrala, Vijaya Kumar; Mallepudi, Khyathi; Sai, Y.Padma; K, Padmaraju	EEG Based Decision Selection System Using Deep Learning	12.45 PM	1.00 PM
7	1662	Kakumani, Aruna Kumari; Katla, Vikas; Rekhawar, Vinisha*; Yellakonda, Anish Reddy	A Comparative Analysis for Leukocyte Classification Based on Various Deep Learning Models Using Transfer Learning	1.00 PM	1.15 PM
8	1685	M, Rahul *; P, Ravichandra; Yakoobi, Mohammed Mubashir; Gowda, Naveen Chandra	Deep learning-based solution for differently- abled persons in the society	1.15 PM	1.30 PM

Time: 1.45 PM-3.45 PM TRACK- E3: Computational Intelligence / Blockchain / AI / ML / IOT / Cloud Computing / Signal &

Image Processing Hall Name : A-005

Session coordinator : Prof. B.I. Kattimani Session Chair : Dr.Sonam Mittal

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start Time	End Time
1	1686	Konala, Thammi Reddy*; Nammi , Anusha	Analysis of Live Video Object Detection using YOLOv5 and YOLOv7	1.45 PM	2.00 PM
2	1692	Sahu, Bisahu Ram*	Skin Disease Classification using Machine Learning based Proposed Ensemble Model	2.01 PM	2.15 PM
3	1698	Kumari, Apurva *	HLS Based Design and Optimization of Merge Sort Algorithm for High Performance Computing	2.16 PM	2.30 PM
4	1702	THORLAPATI, KEERTHI*; Kumari, Apurva	An efficient image analysis Approach to evaluate the quality of cotton seeds	2.31 PM	2.45 PM
5	1751	Banerjee, Arnab*	CARP-YOLO: A Detection Framework for Recognising and Counting Fish Species in a Cluttered Environment	2.45 PM	3.00 PM
6	3	Preethi, Dr.*	New Age Chess Engine	3.01 PM	3.15 PM
7	49	Mahajan, Divya K*; Bhatele, Priyanka	TrackEZ Expense Tracker	3.16 PM	3.30 PM

Time: 4.00 PM- 6.30 PM

TRACK- E4: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics / Signal & Image Processing

Hall Name: A-005

Session coordinator : Prof. Gourang Naik Session Chair : Dr. Gauri Ghule

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start Time	End Time
1	54	Malik, Malika*; Saini, Dr. Kamaljit Singh	Network Intrusion Detection System Using Reinforcement learning.	4.00 PM	4.15 PM
2	56	Abani, Rita*	MEMS based micromirror system for deployment in optical beam steering systems used in Quantum Information Processing	4.15 PM	4.30 PM
3	60	Rathi, Snehal*; Oswal, Samkit; Ahuja, Ayushi	A Coherent Way Of Detecting Learner's Academic Emotions Via Live Camera Using CNN And Deep LSTM	4.30 PM	4.45 PM
4	69	Sethy, Prabira Kumar*; Patra, Ankita	Automated Breast Density Assessment using Image Processing Techniques	4.45 PM	5.00 PM
5	77	Reddy, Manish*; Bhat, Swaroop; C, Nandana; V, Sethupathy R; Kanwal, Preet	Language Agnostic Program Conformance Analysis	5.00 PM	5.15 PM
6	80	Aslam, Zairin*; Gupta, Atul; Deepak, Deepak; Mawandia, Naman	Power Saving in Multi-Hop Device to Device Communication	5.15 PM	5.30 PM
7	83	Chandrasekaran, Rajesh Kumar *; Canessan, Aroul	Securing Data storage in Cloud after Migration using Immutable Data Dispersion	5.30 PM	5.45 PM

8	97	Satya Rohit, Maddi*; Misra, Rajani	Morphed Face Image Detection Using PCA and Binary Classification	5.45 PM	6.00 PM
9	100	Ghadge, Shivam*; Jamadar, Matin; Girase, Padmanabh; Jabade, Vaishali	Customer Segmentation for Smooth Shopping Experience	6.00 PM	6.15 PM

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Session Schedule

27th MAY 2023

CONFERENCE ORAL SESSIONS SCHEDULE

Time: 8:45 AM - 10:45 AM TRACK- A1: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics
/ Signal & Image Processing
Hall Name: A-001

Session coordinator : Prof. Kavita Kadli Session Chair : Dr.Rahul Agrawal

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	101	Kumar, Arushi; Sagar, Archit A*; Shetty, Arpan; A, Charushree; Kanwal, Preet	Indoor Violence Detection using Lightweight Transformer Model	8.45 AM	9.00 AM
2	107	Nadaf, Akhtar Ismail*	Classifying Sign Language Gestures using Decision Trees: A Comparison of sEMG and IMU Sensor Data	9.01 AM	9.15 AM
3	118	Raj, Anand*; Kumar, Amit; Kasaudhan, Aman Kumar; Mishra, Gouri S; Mishra, Pradeep Kumar; Maini, Tarun	Indexing and Segmentation of Video Contents: A Review	9.16 AM	9.30 AM
4	122	Mali, Pranav P*; Hase, Snehal R; Kolhe, Falgun K; Jaju, Venkatesh Ganesh; Sonare, Babita D.	Handwritten Equations Solver Using Convolution Neural Network	9.31 AM	9.45 AM
5	125	Yumnam, Kishan*; Singh, Sukhpreet	Design and performance analysis of a low IL MMIC bandpass filter for 5G mmwave applications	9.46 AM	10. 00 AM
6	126	Pokharana, Anchal*; Sharma, Krishan Kant Kant; Sharma, Samiksha	Study and Analyzing Propagation Models For Wireless Mesh Networks	10.01 AM	10.15 AM
7	134	Ayach, Tanisha ; Behera, Suchitra; Padhi, Sagarika; Naskar, Nazma*; Banik, Debajyoty	Segmentation in Microscopic Images using Cellular Automata	10.16 AM	10.30 AM
8	142	V, Krishnasubramaniam*; Rao, Ninad; Iyer, Sreekesh; Singh, Aditi A; Waghamale, Shalaka; Ansari, Aamir; Sondur, Dr. Shanta; M, Dr.Vijayalakshmi	Data Validation for Eligibility Criteria and Death Benefit Claims for Insurance Policies	10.30 AM	10.45 AM

Time: 11:30 AM- 1.30 PM TRACK A2: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics / Signal & Image Processing
Hall Name: A-001

Session Coordinator : Prof. Vinayakumar R Bagali Session Chair : Dr. Manitha P.V.

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	144	Dash, Ritesh *; Swain, Saratchandra; Sahoo, Satyabrata; Lobbo, Nishal; ., Pooja; EN, Meghna	DC-Microgrid Price Prediction using Long Short Term Memory with Double Activation Function	11.30 AM	11.45 AM
2	159	S, Kishore; Nair, Rekha R; Mehra, Vishal; Babu, Tina*	A Generalized Framework for Brain Tumor and Pneumonia Detection Using Streamlite Application	11.45 AM	12.00 PM
3	164	Paik, Harikrishna*; Y, Srilekha; T, Ganesh; S, Akhileswari	A Low-Profile Microstrip-Fed Monopole Antenna with Frequency Selective Surface for C band Satellite Applications	12.00 PM	12.15 PM
4	167	$\begin{array}{c} Khandelwal,RitvikR;Marfatia,Prasham;\\ Venkataramanan,V^* \end{array}$	Implementing various Deep Learning Models to Predict Stock Price Movement	12.15 PM	12.30 PM
5	169	Khanam, Shaista Ansari ; Ansari, Shaista Khanam*; Sonar , Dr. Poonam	Enhanced Zero shot learning using deep neural network ResNet50	12.30 PM	12.45 PM
6	178	Samal, Padarbinda*; Mohapatra, Alivarani; Samal, Sarita	Application of Artificial Rabbits Optimization Algorithm to the Economic Load Dispatch Problem	12.45 PM	1.00 PM
7	205	Bhangale, Nikita*; Arun, N K ; Dev, Deepak. V	Stability Analysis of EV Aggregated Load Frequency Control System using LKF Approach	1.00 PM	1.15 PM
8	206	D S, Rakeshgowda; Hande, P J Subrahmanya*; Kumar, Naveen; K A, Nandana; Kanwal, Preet	Human Activity Recognition for Office Surveillance	1.15 PM	1.30 PM

Time: 1.45 PM- 3.45 PM

TRACK- A3: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics

/ Signal & Image Processing

Hall Name: A-001

Session Coordinator : Prof. Vinayak Dalvi Session Chair : Dr. Prabir

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	208	S, Manushree*; C, Priyanka; C, Nischitha; H K, Madhushree	Study on performance of MIMO and NOMA system.	1.45 PM	2.00 PM
2	229	Zhang, Li*	Identification method of abnormal characteristic data of power equipment based on improved kmeans algorithm	2.01 PM	2.15 PM
3	230	Li, Li*; Chen, Shasha	Identification model of electronic music signal based on Optimization group algorithm	2.16 PM	2.30 PM
4	232	Gu, Jianhua *	Improved Design Of Computer Network Based on Ant Colony Algorithm	2.31 PM	2.45 PM
5	235	Li, Li*; Xiong, Yong	Optimization of computer network reliability based on genetic algorithm	2.45 PM	3.00 PM
6	256	Reddy, Yaramala Vijay *; Kunta, Sravani; Sowjanya, Atmakuri; Uday Kiran, Manda; Vineeth Krishna, Chandana	An Efficient Approach For Predicting Future Sales Of Retail Stores	3.01 PM	3.15 PM

7	260	K, Vaishnavi *; Na, Triveni; R, Vaishnavi N; B M, Roopa; Abirami, Rama	Speech to Text app customized for police functioning in different languages	3.16 PM	3.30 PM
8	264	Burnase, Sneha R*; Sonar, Dr Poonam Niraj	Comparative Analysis of Hyperspectral Image Classification Methods	3.31 PM	3.45 PM

Time: 4:00 PM - 6:30 PM

TRACK- A4: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics / Signal & Image Processing

Hall Name: A-001

Session Coordinator : Prof. Ashwini Araballi Session Chair : Dr. Shalaka N. Chaphekar

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	272	Dhanasekaran, Dileepan *; Paik, Smrutisree; B, Sai Raghav; J, Rahul Babu	An FSS Based Dual-band Bandstop Filter for Minimizing Interference in C Band Satellite Downlink Communication	4.00 PM	4.15 PM
2	290	Jain, Reetu*; Sutaria, Ruturaj	Auto-Price Forecast: An Analysis of Car Value Trends	4.15 PM	4.30 PM
3	301	Guanyin Liu, Guanyin Liu*	Research and application of digital technology in substation construction	4.30 PM	4.45 PM
4	306	Madake, Jyoti; Meshram, Jayant*; Mondhe, Ajinkya; Mashalkar, Pruthviraj	Image Tampering Detection Using Error Level Analysis and Metadata Analysis	4.45 PM	5.00 PM
5	307	Xia, Liling *	Research on basic network protocol of basic BP neural network	5.00 PM	5.15 PM
6	318	Wang, Tao *	Collision Detection Algorithm Based on Particle System In Virtual Simulation	5.15 PM	5.30 PM
7	330	Li, Li*; Jiang, Jingzi	Dance Movement Recognition Technology Based on Multi Feature Fusion	5.30 PM	5.45 PM
8	337	Sharma, Ishita; Sharma, Sachin*	Cognitive Privacy of Personalized Digital Finance Images on Social Media Platforms Using Artificial Neural Networks	5.45 PM	6.00 PM
9	341	Stanley, Norton S A *; Sebastian, Shoney	A Systematic Review On The Identification And Classification Of Patterns In Microservices	6.00 PM	6.15 PM

Time: 8:45 AM- 10.45 AM

TRACK- B1: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics / Signal & Image Processing
Hall Name: A-002

Session Coordinator : Prof. Komal Wajantri Session Chair : Dr Deekshitha S Nayak

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	342	Hu, Yanling *	Distributed Cluster Storage Technology Of Massive Remote Sensing Data	8.45 AM	9.00 AM
2	345	Joga, S Ramana Kumar*; Surisetti, Somesh; Karri, Swetha; Shaik , Jalaluddin; Konatala , Madhu; Shiva, Javvadi	Detection and Classification of changes in voltage magnitude during various power quality disturbances	9.01 AM	9.15 AM

3	354	Chebrolu, Venkata Sai Teja*; Surya Teja, Maddineni; Mahamkali, Bharath Chandra; Jadala, Vijaya Chandra; Govindan, Raja; Charugundla, Likhith	Auto Deployment Of An Application, To Reduce Software Release Cycle	9.16 AM	9.30 AM
4	357	Goutham Kumar, Shreyus*; N, Suraj; Reddy, Surya; C R, Prashanth; Honnavar, Gajanan	Numerical study on novel MASnBr3 (Perovskite) based tandem photovoltaic cell	9.31 AM	9.45 AM
5	359	Balaji E, Mukesh*; Varadhan, Kabilan; N, Vigneswari; T, Srinivasan; Veerakrishnan, Bhavadharani; M, Sushmitha	Design of Smart Glove to Monitor the Restorative Actions of Paretic	9.46 AM	10. 00 AM
6	360	Sun, Xiaokun *	Mathematical Modeling Optimization Of Recognition Algorithm Based On Multi Feature Extraction	10.01 AM	10.15 AM
7	364	V, Nithyashree R*; Tantry, Shashidhar S	A Unique Approach towards Serial Parallel Multiplier to Reduce number of components.	10.16 AM	10.30 AM
8	367	Sachdev, Vishesh*; Bhutada, Madhav; Watwani, Bhajan Bhagu; Khanchandani, Bhavishya; Mane, Dashrath	Decentralized Finance Lending with EZfinance: An Implementation and Analysis Approach	10.30 AM	10.45 AM

Time: 11.30 AM- 1.30 PM TRACK- B2: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics / Signal & Image Processing Hall Name: A-002

Session Coordinator: Prof. Shahak Patil Session Chair: Dr.D.DILEEPAN

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	369	Li, Li*; Wu, Jian	Path Planning Of Intelligent Robot For Substation Operation And Maintenance	11.30 AM	11.45 AM
2	375	Sahu, Vimlesh Kumar*	A Novel Monopole Antenna for Wideband(Ultra) Wireless Applications with Defected Ground Structure (DGS)	11.45 AM	12.00 PM
3	390	Aglawe, Hiteshi; Kelkar, Supriya; Bhore, Pooja R*	Event Driven Fault Diagnosis And Partition Detection (Ed-Fdpd) Algorithm	12.00 PM	12.15 PM
4	391	Paik, Harikrishna*; J, Vijaya Mahesh; N, Bhanu Prakash; B, Kalyan Reddy	A 16×16 Elements Phased Array Transmitter System for MIMO Wireless Communication Systems	12.15 PM	12.30 PM
5	392	Li, Li*; Xu, Ying	Optimal Operation Of Computer Algorithm In Res-ervoir Operation Management	12.30 PM	12.45 PM
6	397	Garg, Chirag*; Attry, Gautam; Mittal, Dhruv; Bhat, Aruna	Conversion Of Native Speech Into Indian Sign Language To Facilitate Hearing Impairment	12.45 PM	1.00 PM
7	400	Sultana, Nargis ; Rahman, Kazi Saifur; Islam , K M Zahidul ; Ahmad, Shakil*	An Exploration of Bancassurance: Standpoints of Banks, Insurance Companies and Customers in Bangladesh	1.00 PM	1.15 PM
8	401	Islam, Md Aminul*; Talukder, Md. Khabir Hossain; Ahad, Shah Md.	Design and Analysis of Vehicle Mounted Whip Antennas for HF and VHF Communication	1.15 PM	1.30 PM

Time: 1:45 PM - 2:45 PM TRACK- B3: Antennas & Propogation, Control, Instrumentation And Automation/ Power

Electronics / Signal & Image Processing Hall Name : A-002

Session Coordinator : Prof. Deepali Patil Session Chair : Dr. Jyoti R Munavalli

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	403	Krishnan, Ashwath; Rajesh, Sudhanva*; Gollapinni, Kalash; Mohan, Mahin; Srinivasa, Gowri	A Comparative Analysis of Chest X-Rays and CT Scans Towards COVID-19 Detection	1.45 PM	2.00 PM
2	404	Raj, Dikshant*; Kashyap, Dhruv; Kumar, Dhruv; Bhat, Aruna	A Comparative Analysis of Real-time Crash and Fall Detection Mechanisms based on sensor- fusion, aural inputs, and visual recognition techniques	2.01 PM	2.15 PM
3	407	Thiyagarajan, Muthamizhan*; A, Sivakumar	A Solar PV Array Fed High-Gain Reboost Luo Converter by Grey Wolf Optimizer Algorithm based MPPT in BLDC Motor Drive for Electric Vehicles	2.16 PM	2.30 PM
4	417	Kotha, Pavan*; Seeni, Satya Sai; P, Rakhesh; Y, Sudarsana	Design of Microstrip patch antenna for bandwidth and gain enhancement using parasitic patches in superstrate	2.31 PM	2.45 PM
5	418	Patil, Srushti Subhash*	ESP Tuning To Reduce Auxiliary Power Consumption And Preserve Environment	2.45 PM	3.00 PM
6	419	Cheng, Peng *	Working Path Optimization of AUV Manipulator Based on PSO-GA Algorithm	3.01 PM	3.15 PM
7	421	Pandya, Maharshi*; Bhaisare, Bhavesh; Datir, Ansh; Ghadole, Kshitij; Gupta, Anju M; Rotake, Dinesh	Resistive Readout Circuit for Chemiresistive Sensor Interfacing with Android Application	3.16 PM	3.30 PM
8	437	Puneeth, Perika*	Design and Implementation of High Frequency 16-bit full adder on FPGA Families	3.31 PM	3.45 PM

Time: 4:00 PM- 6.30 PM

TRACK- B4: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics

/ Signal & Image Processing

Hall Name: A-002

Session Coordinator : Prof. Satish Shindhe Session Chair : Dr. Praveen Kumar B

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	438	Abdullah Kawser, Md*; Rabbi, Fazley; Rahman, Md. Saidur; Ali, M. Hazrat; Rahman, Md. Obaidur; Shuvo, Kamrul Hasan	A Cost-Effective and Energy Optimized Scheme for Electricity Generation Using Tidal Upsurge at Kutubdia, Bangladesh	4.00 PM	4.15 PM
2	439	Joga, S Ramana Kumar*; Kalluri, Srinivasa Rao; D, Aruna; B, Vamsi; S, Bhanusree; Sandeep, Santhosh	A Prototype based Smart Notice Board for Smart Cities	4.15 PM	4.30 PM
3	443	Rabbi, Fazley*; Sarker, Manoj; Ali, M. Hazrat; Rahman, Md. Obaidur; Zaman, Sejuti; Suvo, Kamrul Hasan	Techno-Economic Feasibility Analysis of Solar Wind-Based Hybrid Power System on the Islands of the Northern Bay of Bengal	4.30 PM	4.45 PM

4	445	Singh, Arjit; Pande, Arya; Patwa, Dhruv; Kalaria, Raghav; Jain, Aditya*; Kumar, Ajay; Gupta, Neha	OghmaNano simulation of PM6:D18:L8-BO organic solar cell and comparison with other lesser efficient solar cells	4.45 PM	5.00 PM
5	449	Sandeep Kumar, Talapally; B., Annappa; Dodia, Shubham*	Classification of Skin Cancer Images using Lightweight Convolutional Neural Network	5.00 PM	5.15 PM
6	450	Qin , Guoying*	Visualization of Reservoir Engineering Data Simu-lation Results By ANSYS-VRML	5.15 PM	5.30 PM
7	451	Pranav, G Krishna *; Acharya, Bibhudendra; Mishra, Zeesha	Optimised Architecture of Shadow Lightweight Cipher	5.30 PM	5.45 PM
8	457	Dudhapachare, Rajat G*; Awatade, Mayur Anil; Kakde, Pushpak Kawadu; Vaidya, Nihal Pradip; Kapgate, Mayur Yuwraj; Nakhate, Rajesh	Voice guided, gesture controlled Virtual mouse	5.45 PM	6.00 PM
9	458	Dhami, Aryan*; Gaikwad, Pritam; Haldipur, Sumeet	Moody.ai: An Adaptive Activity Recommendation System Based on Emotion Detection	6.00 PM	6.15 PM
10	464	Jing, Niqin *	Complex Data Prediction and Classification Methods Based On Feature Selection And Data Dimensionality Reduction	6.15 PM	6.30 PM

Time: 8.45 PM- 10.45 PM

TRACK- C1: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics

/ Signal & Image Processing

Hall Name: A-003

Session Coordinator: Prof. Keshav Patil Session Chair: Dr. Amandeep Gill

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	468	Liu, Min*	Complex Scene Loading Optimization Based On Virtual Reality Algorithm	8.45 AM	9.00 AM
2	472	Padmasali, Jinka Vineela; Pandey, Anubhav*; H S, Sridhar	Detection and Implementation of Stress Detection Band for Women	9.01 AM	9.15 AM
3	473	Avvaru, Hari Sai Babu*; Chintakayala, Kushal Kumar; Venna, Venkata Reddy; Chinta, Mukesh	STUMART - Resource Management Application	9.16 AM	9.30 AM
4	477	R, Vedhapriyavadhana*; Naidu, Roshan	Advanced Traffic Sign and Lane Discernment	9.31 AM	9.45 AM
5	483	Saketh, Gogineni; Gupta, Lalitha Kumar; Tarun, Lagadapati; Amuth, Deepa; Chaurasia, Mousmi*	Lung Cancer Prediction Using Machine Learning Techniques	9.46 AM	10. 00 AM
6	485	Narayana Murthy, Dhulipala Vns*	FPGA Simulation for Decomposition methods of Satellite based Hybrid Polarimetric SAR Data	10.01 AM	10.15 AM
7	486	Joga, S Ramana Kumar*; Kalluri, Srinivasa Rao; Vanapalli, Hari Shankar Dinesh; S, Mounika; Naidu, Musili; M, Sai	Innovative Digital Energy Meter with Overload Indication and Power Theft Monitoring	10.16 AM	10.30 AM
8	488	Dodia, Aysuh; Shah, Pritesh B*; Sekhar, Ravi; D, Murugesan	Smart Sensors in Industry 4.0	10.30 AM	10.45 AM

Time: 11:30 AM - 1:30 PM TRACK- C2: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics / Signal & Image Processing

Hall Name : A-003

Session Coordinator : Prof. Basavaraj Chougula Session Chair : Dr. Jaya Madan

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	509	Krishna Reddy, Nikhil B.*; K, Dr.Deepa; S, Lekshmi; Ozzer, Tolga; Reddy, Nikhil Krishna	Image Processing Based Pest Detection and Location Sharing to Farmers	11.30 AM	11.45 AM
2	536	Kumar, Vankadara Sampath*; Chatterjee, Shamik; Kumar, Praveen B	Applications Of Metaheuristic Algorithms For Mppt Under Partial Shaded Condition In PV System	11.45 AM	12.00 PM
3	537	Kommana, Deepak*; R, Phani Vidyadhar; Bellamkonda, Mahalakshmi; Goundla, Saikethan	Implementation of PMOS Biased Sense Amplifier Using Tanner EDA tool	12.00 PM	12.15 PM
4	551	Sathi, Maheswara Reddy*; Ali, Mohammed; Battula, Kiran Mohan; Charan, Lakshmana; Rashmi, Manazhy	Web App For Predicting Fake Job Posts Using Ensemble Classifiers	12.15 PM	12.30 PM
5	559	Kiran, Uday*; K, Revanth Reddy; V, Sai Nithin; Srikanth, Boppidi; Ramakrishna, Dr. P	A Conditional Feedthrough Pulsed Flip-Flop using MTCMOS Technique	12.30 PM	12.45 PM
6	563	Li, Guolu ; Li, Li*	Visual Design of Human-Computer Interaction Software Interface Information Based on Human Factors Engineering	12.45 PM	1.00 PM
7	564	Bembire, Prem Shashank*; Thulla, Ananya; Sandras, Venkatesh; Nakka, Srinivas	Application of Multi Level Inverter Using MMC and FACTS in Distributed Energy Systems	1.00 PM	1.15 PM
8	583	Siripangi, Maheshwari S*; Vutla, Dinesh K; Srikanth, Boppidi; M, Narayana; Reddy, Jashwanth	Square Wave Generator using Current Amplifier by DTMOS Technique	1.15 PM	1.30 PM

Time: 1:45 PM- 3.45 PM

TRACK- C3: Antennas & Propogation, Control, Instrumentation And Automation/ Power Electronics / Signal & Image Processing

Hall Name: A-003

Session Coordinator : Prof. Shivanand Upari Session Chair : Dr. Mohammad Amir

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	596	Chaturvedi, Abhay; Prasad, Kdv; Gowda V, Dankan*; De, Tanmoy; Tanguturi, Rama Chaithanya; Ashreetha, B.	A Novel method of Improving Spectrum sensing Management system for CR-IoT Networks	1.45 PM	2.00 PM
2	604	Nelavelli, Aashritha*; Uppu, Manish	Computation Resource Allocation Using NOMA Technique	2.01 PM	2.15 PM
3	608	S, Vijayalakshmi*; M, Sindhuja; M, Marimuthu	Double-Frequency Multilevel Boost Converter	2.16 PM	2.30 PM
4	612	Kumar, Raman*; K, Dr.Deepa; Basa Pati, Peeta	Clustering the Various Categorical Data: An Exploration of Algorithms and Performance Analysis	2.31 PM	2.45 PM

5	676	Prasad, Hanuman*	Self Power Generation in Electric Vehicles using driving wheel	2.45 PM	3.00 PM
6	677	Karamalla, Haleema*; Juluri, Sruthikumari; S, Pooja Sree; Karnekota, Praneeth; K, Murugaperumal	Sustainable Designing of Hybrid Renewable Electrification System for Urban Residential Community Load	3.01 PM	3.15 PM
7	692	Muruga Perumal, K; Dileep Kumar, Kapala*; Sai Priyanka, Jaligapu; Mukesh Reddy, Nalla	Design And Analyzing Of DC Transformer Efficiency Enhancement For Microgrid Applications	3.16 PM	3.30 PM
8	705	Azmat, Peerzada Anzar*; Gound, Renuka; Sundaram, Dr. B.Meenakshi; Krishna, Santhosh B V; Garg, Avni; Ul Habib, Malik Najeeb	DRS-UNET: A Deep Learning Approach for Diabetic Retinopathy Detection and Segmentation from Fundus Images	3.31 PM	3.45 PM

Time: 4.00 PM- 6.30 PM TRACK- C4: Antennas & Propogation / Control&Systems / Computer Newtworks/ Power Electronics / WSN

Hall Name : A-003 Session Coordinator : Minal Patil Session Chair : Dr J Krishna Chaithanya

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	706	Kshirsagar, Ketki; Rane, Shivam; Shah, Pritesh B*; Sekhar, Ravi	Automatic Code Generation in Model Based Design and Digital Signal Processing	4.00 PM	4.15 PM
2	710	Madhumitha, Rachapudi*	Frequency Reconfigurable Microstrip Patch Antenna using different reconfiguration techniques for mm wave applications	4.15 PM	4.30 PM
3	723	Poludasu, Paneendra*; Bandaru, Satyamani Jaswanth; Paleru, Aswani Kumar; Venkatadas, Samyuktha; A K, Parvathi	Biometric Authentication using ECG Signals	4.30 PM	4.45 PM
4	738	P, Kishore; Pal, Bolli Abhinay*; Venkata Revathi, Chintamreddy; Nanda Kishore, Lolakapuri	Implementation of Table-Based Cyclic Redundancy Check (CRC-32) for Gigabit Ethernet Applications	4.45 PM	5.00 PM
5	744	Vishwas, Shreya *; K, Bhavana Yadav; Anand, Nikitha ; B S, Rishab Kashyap ; Bangalore, Raghu A	Automated Identification and Classification of Autism Spectrum Disorder using Behavioural and Visual Patterns in Children	5.00 PM	5.15 PM
6	745	Damarla, Tarun Sai; Yadav, Anamika*	Detection Of Cyber – Attacks In Digital Power System Using Ensemble Bagged Trees	5.15 PM	5.30 PM
7	747	Hajare, Manisha Mrs*	Robust Opportunistic Routing Solutions for under water Sensor Networks	5.30 PM	5.45 PM
8	748	Hajare, Manisha Mrs*	Energy Efficient Underwater Sensor Networks Routing Protocol utilizing Advanced Particle Swarm Optimization	5.45 PM	6.00 PM
9	751	Karjagi, Shreenidhi*; Dharmale, Gulbakshee J.; Kavatage, Karan; Kul, Pranav; Kotalwar, Harshal; Sonare, Babita	VitaHealth	6.00 PM	6.15 PM
10	769	Sable, Nilesh *; Chavan, Dr. Gurunath T.	Detection and Notification of Zero-Day attack to Prevent Cybercrime	6.15 PM	6.30 PM

Time: 8:45 AM - 10:45 AM TRACK- D1: Antennas & Propogation, Control, / Computer Newtworks/ Power Electronics / WSN

Hall Name : A-004

Session Coordinator : Mayur Jartarkar Session Chair : Dr.Viswanadham R

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	784	Purohit, Neha*; Sahasrabuddhe, Neenad ; Jain, Rishika ; Khandelwal, Sanskar ; Kalekar, Sonali ; Sharma, Ashish K	Print – OnTheGo Remote Printing Application using MERN Stack	8.45 AM	9.00 AM
2	788	Dela Cerna, Monalee A*	Development and Implementation of an Office Automation System for Barangay Local Government Units	9.01 AM	9.15 AM
3	794	Sharma, Ayush*; V, Akash; Varma N., Sandeep	Crime Scene Analysis for News Headline Generation	9.16 AM	9.30 AM
4	797	Unnisa, Fatima; Pavithra, Arelly*; Vamshi Kumar, Dyavathi ; Karunakar, Kalvala	High Conversion Ratio SEPIC Converter With Reduced Switch Stress	9.31 AM	9.45 AM
5	804	Kaushik, Pratheek R*; H M, Preetham; Srinivas, Rahul; Puri, Sakshi; M, Anuradha	Automated Recipe Generation using Ingredient Classification based on an Image from a Real- Time Photo Station	9.46 AM	10. 00 AM
6	808	Joshi, Devesh*; Mohd, Noor	Anatomy of Quantum Computer Framework using Qiskit	10.01 AM	10.15 AM
7	810	Devanarayanan, T S*; Sassi, Silpa; K Kumar, Sreelakshmi; Paul, Annie; S, Sarathkrishna; Rebello, Rejoy;, Deepa Elizabeth George; Krishnan, Nisanth; Abhilash, S	Design and Development of Microstrip Patch Antenna for Communication between Pilot and Air Traffic Controller	10.16 AM	10.30 AM
8	813	Paik, Debdas*	Design and implementation of Nano Satellite data receiver using SDR	10.30 AM	10.45 AM

Time: 11:30 AM- 1.30 PM TRACK- D2: Antennas & Propogation, Control, / Computer Newtworks/ Power Electronics / WSN Hall Name: A-004

Session Coordinator : Prof. Akshata Tanaji Patil Session Chair : Dr.A.Pramodkumar

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	820	Thomas V, Eldiya*; Mohan, Maya	Secure Image Retrieval of Poor Quality Images by Combining LE-GAN, Arnold Mapping and Logistic Mapping	11.30 AM	11.45 AM
2	821	Patil, Abhijit M*; Kapare, Shreyas; Shinde, Ganesh; Tekade, Arti; Andhare, Maithili; Kumbhar, Vijayalaxmi S	Create a 32-bit Vedic multiplier and compare it against other multipliers using a carry look-ahead adder	11.45 AM	12.00 PM
3	824	A, Abhay D*; Sharma, Ashwin K; S, Akash	Smart Policing: Using Geospatial Crime Data to Plan Patrol Routes	12.00 PM	12.15 PM
4	844	Akash, Awanish *; Sreejeth, Mini	High Frequency DC DC Isolated Converter with Rectification and Synchronous Rectification	12.15 PM	12.30 PM
5	881	Aphale, Amruta S*	Robust Approach for Detecting Haemorrhage and Microaneurysyms from Fundus Images	12.30 PM	12.45 PM

6	882	Zingade, Deeplakshmi Sachin*	Sentiment Analysis using Multi-objective Optimization-based Feature Selection Approach	12.45 PM	1.00 PM
7	894	Ledalla, Anjali Devi *; R, Phani Vidyadhar; Sagar, Dubey; Shivaram, Aviti	Even-Odd Sorting Netwrok For Fast Binary Counters	1.00 PM	1.15 PM
8	912	Allugari, Sowmya; Siddartha, Sai; Gattu, Pavan; Goshamahal, Swetha*	Simulation of Comparative Analysis Of Maximum Power Point Tracking Techniques For Photo Voltaic System	1.15 PM	1.30 PM

Time: 1.45 PM- 3.45 PM

TRACK- D3: Antennas & Propogation, Control, / Computer Newtworks/ Power Electronics / WSN

Hall Name: A-004

Session Coordinator: Prof. Shivanand Channi
Session Chair: Dr.M.Sujih

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start Time	End Time
1	913	Gowda V, Dankan*; Naveen , Shreemithra ; Ranjan, Ayush; Hegge , Kiran Kumar ; Agrawal, Rishabh	Industrial Automated Multipurpose Robot Using WIFI	1.45 PM	2.00 PM
2	914	Rajarathinam, Kavitha R; Gowda V, Dankan*; Vishal, B. Ram ; Shankar, M. Udaya ; A M, Kabilan	Cardiovascular Disease Prediction Using LSTM Algorithm based On Cytokines	2.01 PM	2.15 PM
3	917	Nimbarte, Nita M.*	New Born Baby Cry Analysis and Classification	2.16 PM	2.30 PM
4	923	Deshmukh, Shailesh M.*; Biradar, Vijayalaxmi; Gawande, Dr. Snehal	Design and Analysis of Hybrid Microgrid System for Vehicle Electrical Charging Stations	2.31 PM	2.45 PM
5	924	Vashisht, Sanchit*; Sharma, Bhanu; Lamba, Shweta	Using Support Vector Machine and Generative Adversarial Network for Multi-Classification of Pneumonia Disease	2.45 PM	3.00 PM
6	928	Deshmukh, Rushikesh A*; Hasamnis, Meghana	A novel multi-sensor tactile detachable bumper design for obstacle avoidance, collision detection, and recovery in autonomous mobile robots	3.01 PM	3.15 PM
7	941	M, Emimal*; Hans, Jino; T M, Dr. Inbamalar; Nesaian, Mahiban Lindsay	Classification of EMG Signals for Myoelectric Prosthesis with Feature Images	3.16 PM	3.30 PM
8	974	Buyya, Aishwarya*; Gangireddy, Suhas; Ogeti, Tanmayee; Panigrahy, Asisa Kumar; Kashapogula, Praveen	Arrhythmias Classification by using STFT-based Spectrograms, Transfer Learning and Concatenation of features	3.31 PM	3.45 PM

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Session Schedule

28th MAY 2023

CONFERENCE ORAL SESSIONS SCHEDULE

Time: 8:45 AM - 10:45 AM TRACK- A1: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics / Signal & Image Processing Hall Name: A-001

Session coordinator: Prof. B.I. Kattimani Session Chair: Dr.N.Ashokkumar

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	977	S, Marlin *; S. D. , Sundarsingh Jebaseelan	A New MPPT Controlling Mechanism based on Adaptive Mongoose Optimization (MO) Algorithm for Grid-PV Systems	8.45 AM	9.00 AM
2	979	Kumar, Atul; Sharma, Ishu*	Augmenting IoT Healthcare Security and Reliability with Early Detection of IoT Botnet Attacks	9.01 AM	9.15 AM
3	1014	Ravikanti , Laxman *; Tumma, Sunil Kumar ; Sravika, Porandla; Kumar, Arun Chetukuri ; Vadai, Supriya	High Q-Factor Multipath Spiral Inductor for Microwave Applications	9.16 AM	9.30 AM
4	1016	Sirimalla, Rohan*	Implementation of Digital Up Converter and Down Converter using System Generator	9.31 AM	9.45 AM
5	1019	Karanam, Pavani*; Shiva, Javvadi ; Joga, S Ramana Kumar; Viswaswarao , Jalla; Papinaidu , Babbodi	Implementation of Speed and Torque Control of Induction Motor Drive using Space Vector pulse width modulation for Electric Vehicle Applications	9.46 AM	10. 00 AM
6	1029	Muddapuram, Abhishek*; Siripuram, Moulika; Nagula, Nikhil; Manisha, Kumari	Design of a H-slot Based Microstrip Patch Antenna	10.01 AM	10.15 AM
7	1093	K S, Sankar*; R S, Geethu; Bhakthavachalu, Ramesh	FPGA implementation of Parameterizable Pattern-generator Modules for LBIST applications	10.16 AM	10.30 AM

Time: 11:30 AM- 1.30 PM TRACK A2: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics / Signal & Image Processing
Hall Name: A-001

Session coordinator : Prof. S B Hugar Session Chair : Dr.K.Rahimunnisa

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1096	Palas P, Bini*; K, Rahimunnisa; S, Nithiyashree; Kumar, K.Nithish	Compact sized Step-cut Antenna for 5G Applications	11.30 AM	11.45 AM
2	1103	Chava, Sriram*; Ranjan, Saurav; Dudani, Shivang; Chittora, Prakash	Electrical and electronic architecture of an ROV	11.45 AM	12.00 PM

3	1123	S, Saahithi*	Investigation of Switched Capacitor Boost Multi Level Inverter Topology for Different Voltage Levels	12.00 PM	12.15 PM
4	1130	Kesarapu, Kiran ; Sai Kiran, Nelluru ; Manju Dhara, Erothi; Rupa, Reddymasu; Chhabra, Gurpreet Singh*	A Comprehensive Data Driven approach on Crop Yield and Fertilizer Efficiency	12.15 PM	12.30 PM
5	1134	Sonar, Santosh*; Mondal, Sanjoy Dr	Experimental validation of space vector-based PWM technique for 31-VSI	12.30 PM	12.45 PM
6	1137	Kamath, Prathiksha *; Jamkhandi, Pratibha; Ghanti, Prateek; Gupta, Priyanshu; Neelima, M. Lakshmi	Progress in combining Image Captioning and Visual Question Answering Tasks	12.45 PM	1.00 PM
7	1140	Uyyala, Ravi*	Accurate Gradient Selective Prediction Based Histogram Bin Shifting for Reversible Data Hiding	1.00 PM	1.15 PM
8	1149	Chaurasia, Akansha Chhagan*; Kadam, Shreyas R; Bhagat, Kalyani; Gauda, Shreenath	Employee Attrition Prediction using Artificial Neural Networks	1.15 PM	1.30 PM

Time: 1.45 PM- 3.45 PM

TRACK- A3: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics / Signal & Image Processing

Hall Name: A-001

Session coordinator : Prof. Kavita Kadli Session Chair : Dr. M.G. Veena

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1183	Shaikh, Faizan M.E.H*; Shah, Vatsal; Sunesara, Mohammedhussain ; Vanjari, Nisha A	Review on Dysgraphia Prediction using Handwriting Recognition	1.45 PM	2.00 PM
2	1192	Mantri, Saisri*; Koninti, Sravani; Uddaraju, Sivani; Aytha, Rameshkumar	Design and Implementation of Optimized FIR Filter using CSA and Booth Multiplier for High Speed Signal Processing	2.01 PM	2.15 PM
3	1197	Mourya, Narendra Kumar*	Fuzzy Logic Based PV-Battery system for a Standalone Microgrid	2.16 PM	2.30 PM
4	1199	Ghanta, Sahitya; Vangara, Paniteja*; Uppuluri, Satya Abhijna; Atluri, Divya	Performance Analysis of Modified Stable Election Protocol with Energy efficiency & Network longevity	2.31 PM	2.45 PM
5	1204	Ramos, Anna Liza A*; Omilies, Domingo; Parate, Ma. Gabriela; Diaz, Mary Jhoy	Investigating Learner's Attention using Audio signals: A Novel Approach based on Waiting Time, Response Length and Response Accuracy	2.45 PM	3.00 PM
6	1209	S, Vijayalakshmi*; B, Gathir Selvan; M, Marimuthu	PV FED Cascaded Multilevel Boost Converter With Multilevel Inverter Using MPPT	3.01 PM	3.15 PM
7	1210	Rawat, Savita*; Madan, Jaya; Pandey, Rahul	Optimizing the Efficiency and Stability of CsSnCl3-based Perovskite Solar Cells using SCAPS Simulation Tool	3.16 PM	3.30 PM
8	1211	Yadav, Vishal*; Pandey, Rahul; Madan, Jaya	Optimizing Optoelectronic Properties of CsPbI3 Perovskite Films through Control of Thickness and Bulk Defect Density	3.31 PM	3.45 PM

Time: 8:45 AM- 10.45 AM TRACK- B1: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics / Signal & Image Processing

Hall Name : A-002 Session coordinator: Prof. Ravikumar M Kalmath Session Chair : Dr.Naveen I G

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1214	Mehta, Shiva*; Kukreja, Vinay; Gupta, Amit	Next-Generation Wheat Disease Monitoring: Leveraging Federated Convolutional Neural Networks for Severity Estimation	8.45 AM	9.00 AM
2	1227	Jonnala, Prathiba*	Image de-noising of Ultrasound Carotid artery images using various filters	9.01 AM	9.15 AM
3	1233	Rethik, Kumar*; Singh, Dhanpratap	Attention Based Mapping for Plants Leaf to Classify Diseases using Vision Transformer	9.16 AM	9.30 AM
4	1262	Gill, Dr. Amandeep*; Kumari, Neha	Two-Area Power System Load Frequency Regulation Using ANFIS and a Genetic Algorithm	9.31 AM	9.45 AM
5	1264	Gill, Dr. Amandeep*; Pandwar, Vishal; Mishra, Chinmay; Singh, Dr. Manjeet	Modelling and Control of Electric Vehicles	9.46 AM	10. 00 AM
6	1272	Sonar, Piyush Manohar*; Bhatlawande, Shripad S; Pawar, Omkar	Voice Interactive Door and Window Control System	10.01 AM	10.15 AM
7	1285	Gill, Dr. Amandeep*; Kumar, Pulkit; Singh, Dr. Manjeet	ANFIS Based Bidirectional Electric Vehicle Charger for Grid-to-Vehicle and Vehicle-to-Grid Connectivity	10.16 AM	10.30 AM
8	1297	Kaushik, Pankhuri*; Singh, Manjeet	Analysis and evaluation of Characteristics of Li- ion battery using Simulink and impacts of ambient temperature on Pure Electric Vehicle	10.30 AM	10.45 AM

Time: 11.30 AM- 1.30 PM TRACK- B2: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics / Signal & Image Processing Hall Name: A-002

Session coordinator: Prof. Vinayakumar R Bagali Session Chair: Dr Rekha R Nair

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1339	M S, Shalini*; B, Guruprasad; Mg, Veena; C M, Usha Rani	Estimation of the Limit of Detection and effect of flow rate on micro cantilever sensor	11.30 AM	11.45 AM
2	1353	Ojha, Nitish*	An Overview of Protocols-Based Security Threats and Countermeasures in WLAN	11.45 AM	12.00 PM
3	1359	Kumara, Varuna*; Kareem, Abdul ; D, Raghunatha; S, Balanageshwara; Naik, Akshatha ; Balaganv, Amar	Data detection poisoning attack using resource scheme multilinear regression	12.00 PM	12.15 PM
4	1363	Pathima , Shaik; Gude, Sindhu Priya*; Yesaswini, Lakshmi; S, Suhasini	Digitalization of Catalogue Automation System with Firebase	12.15 PM	12.30 PM
5	1369	Sen, Kaustav*; Verma, Bindu	Heart Disease Prediction Using a Soft Voting Ensemble of Gradient Boosting Models, RandomForest, and Gaussian Naive Bayes	12.30 PM	12.45 PM

6	1397	Singh, Rashmi*; Joshi, Rakesh Chandra; Kumar, Arun; Singh, Jagrati; Dutta, Malay Kishore	Automated Vertebrae Diagnosis in Spinal X-ray Images using Artificial Intelligence	12.45 PM	1.00 PM
7	1399	Labde, Shubhada S; Karan, Vishesh Ajay*; Shah, Shubham; Krishnan, Dhruv	Movie Recommendation System using RNN and Cognitive thinking	1.00 PM	1.15 PM
8	1401	Kumar, Atul; Sharma, Ishu*	Enhancing Data Privacy of IoT Healthcare with Keylogger Attack Mitigation	1.15 PM	1.30 PM

Time: 1:45 PM - 3:45 PM

TRACK- B3: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics / Signal & Image Processing

Hall Name: A-002

Session coordinator : Prof. Vinayak Dalvi Session Chair : Dr Mrunal Deshpande

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1405	Hiremath, Sharat*; B, Yamini; M N, Tejashwini; K, Prabha	AUTOMATION OF LIBRARY MANAGEMENT SYSTEM USING AUTONOMOUS ROBOT	1.45 PM	2.00 PM
2	1408	Parepalli, Ramanamma*; Paladugu , Rakesh; BABU N, SRINIVAS; Sammeta, Sathvika; Sereddy, Nitish Kumar; Namburu, Rama Lakshman	Low-Cost Solar Powered Automated Multi- Tasking Agricultural Robot to improve the Growth and Yield of the Plants	2.01 PM	2.15 PM
3	1425	Kulkarni, Vikas V*; Kulkarni, Vandana	Modeling and Evaluation of a Hybrid Photovoltaic-Thermoelectric System to Obtain a Higher Energy Yield under Identical Operating Conditions	2.16 PM	2.30 PM
4	1440	Sawant, Vedant*; Vishwas, Swarup; Giri, Rakshanda; Shingote, Akshay; Joglekar, Pushkar	Face Recognition Based Password Encryption and Decryption System	2.31 PM	2.45 PM
5	1443	Rahul, Tammugonda*; Nandan, T.P. Kausalya; Bhavani, G. Ganga; Narsimha, Karnati	Railroad track defect detection using convolutional neural networks	2.45 PM	3.00 PM
6	1453	Jadhav, Apurva; Atre, Piyush; Andhare, Akshay; Chaturvedi, Ujjwal; Boraste, Priyanka; Medhane, Darshan Vishwasrao*	ServiceArc: A Systematic Approach towards Daily Wage Labour Management through Automation System	3.01 PM	3.15 PM
7	1495	Taneja, Nandini *; Garg, Nishtha; Gupta, Shruti; Kaushal, Rishabh	Comparative Analysis of Convolutional Neural Network Techniques for Plant Disease Detection	3.16 PM	3.30 PM
8	1504	Somineni, Rajendra Prasad; Namani, Kavyasree*; Kondra, Omkumar; Kothapalli, Srujana	An Efficient And Low Power 45NM CMOS based R-2R DAC	3.31 PM	3.45 PM

Time: 8.45 PM- 10.45 PM TRACK- C1: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics / Signal & Image Processing Hall Name: A-003

Session coordinator: Prof. Ashwini Araballi Session Chair: Dr Sarita Samal

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
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1	1505	Rani, Yashi*; Nangia, Uma; Kumar Jain, Dr. Narender	Implementation of PSO Based Controllers for Speed Control of BLDC Motor	8.45 AM	9.00 AM
2	1518	Kumar, Amit*; Doshi, Vedant	Design and Development of Time and Memory- Efficient Video Translation Tool	9.01 AM	9.15 AM
3	1532	S, Vijayalakshmi*; M, Marimuthu; S, Sivahari; RS, Praveenkumar; B, Sanjeev; EC, Sriraman	Asymmetric Cascaded Switched Diode Multilevel Inverter	9.16 AM	9.30 AM
4	1539	Raja, Akula Kumar*; Sugandhi, Chidakash; Gorantla, Nymish; Havish, Nama Sai; Rashmi, Manazhy	Convolutional Neural Network Based Virtual Mouse	9.31 AM	9.45 AM
5	1552	M, Dr. Venkatesha; K S, Vinay Kumar*; V, Shravani ; G, Spoorthi; K S, Udith; M, Divya T	Design, Modeling and Analysis of 2×2 Microstrp Patch Antenna Array System for 5G Applications	9.46 AM	10. 00 AM
6	1553	BR, Pushpa; Kumar, Hemanth*; Rani, Shobha	Exploring the Capability of NASNet Model for Plant Classification on GRASP-125 Dataset	10.01 AM	10.15 AM
7	1554	BR, Pushpa; R, Srinag*; Rani, Shobha	Classification of Plant Species based Seedlings and Weedlings in Low Lightening Conditions using Deep Convolution Neural Network	10.16 AM	10.30 AM
8	1555	Ganesh, Sandhu*; Valluru, Sudarshan K	Chaotic Behavior of DC-DC Boost Converter by using Voltage Mode Control	10.30 AM	10.45 AM

Time: 11:30 AM - 1:30 PM

TRACK- C2: Antennas & Propogation, Control, Instrumentation and Automation/ Power

Electronics / Signal & Image Processing

Hall Name: A.003

Hall Name : A-003 Session coordinator : Prof. Komal Wajantri Session Chair : Dr Patil Mounica

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1572	Hukare, Shiwani S*; Vyas, Vibha; Agrawal, Vanita	Design and Simulation of Physical Layer of Peripheral Component Interconnect Express (PCIe) Protocol	11.30 AM	11.45 AM
2	1588	Dethe, Harshal Sujit*	Revolutionizing E-commerce with 3D Visualization: An experimental assessment on behavioral shopper responses to Augmented Reality in online shopping	11.45 AM	12.00 PM
3	1597	Sai Krishna, Ravi Pavan Nagaraju*; Hussain Isfahani, A M; Manisha, Kumari; Shirisha, Hechirla	Design Of Dual Rectangular Slotted Micro Strip Patch Antenna For S-Band	12.00 PM	12.15 PM
4	1600	Shanthi, G.*; Sai Kumar, Aruru; Bhargava Sai, Uppala; Sajida, Shaik; Karthikeya, Gutta	Tunable design of OTA2 -C 2 Low Pass Filter using CMOS Technology: An Innovative Approach	12.15 PM	12.30 PM
5	1617	Mesariya, Urvashi R.*; Joshi, Keyur D.	Divya Wear- Haptic Vest Pattern Design and Analysis.	12.30 PM	12.45 PM
6	1624	Yamini, D A Deepthi *; Chaudhari,	Harris Hawk Optimization-Based Distributed	12.45 PM	1.00 PM

		Shilpa	Denial of Service Attack Detection in IoT Networks			
7	1628	Jain, Rahul*; Dixit, Satvik; Kumar, Vikas; Verma, Bindu	SEMC-Net: A Shared-Encoder Multi-Class Learner	1.00 PM	1.15 PM	

Time: 1:45 PM- 3.45 PM

TRACK- C3: Antennas & Propogation, Control, Instrumentation and Automation/ Power Electronics /

Signal & Image Processing

Hall Name: A-003

Session coordinator: Prof. Shahak Patil Session Chair: Dr. Manjeet kumar

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1634	Redrouthu, Jithendra*; J, Mija S	PSO-Super Twisting SMC For Balancing The Two Wheeled Inverted Pendulum Using LEGO EV3 Model	1.45 PM	2.00 PM
2	1635	Solomon, Jabez J*	Design And Analysis of Artificial Magnetic Conductor (AMC) For 5G Communications	2.01 PM	2.15 PM
3	1636	Hareesh, Senapathi*; J, Mija S	Terminal sliding mode controller for Magnetic Levitation system using Particle Swarm Optimization.	2.16 PM	2.30 PM
4	1645	Patil, Sneha A*; Naganuri , Sharan ; Naik, Vaishnavi ; Kannur, Mahantesh ; Manage, Prabhakar	Performance Analysis Of Dual Band Antenna With Multiple Slots	2.31 PM	2.45 PM
5	1656	Sharma, Rishabh*; Kukreja, Vinay; Gupta, Richa	Enhancing Wheat Crop Resilience: An Efficient Deep Learning Framework for the Detection and Classification of Rust Disease	2.45 PM	3.00 PM
6	1658	Thiyagarajan, Muthamizhan*; M, Janarthanan; P, Nalin; M, Nirmal	ANN-Based Energy Storage System for an EV Charging Station Using Quadratic Boost Converter	3.01 PM	3.15 PM
7	1664	Ojha, Mayank*; Ramana, Vanjari Venkata	Investigation of Different Global Peaking tracking Algorithms for extracting maximum power from Photovoltaic Systems	3.16 PM	3.30 PM
8	1677	Jindal, Rajani; Sharma, Ishan ; Yadav, Hritik*; Jangir, Virendra	Image Processing Using Different Types of Image Enhancement Techniques	3.31 PM	3.45 PM

Time: 8:45 AM - 10:45 AM TRACK- D1: Antennas & Propogation, Control, / Computer Newtworks/ Power Electronics / WSN

Hall Name : A-004 Session coordinator : Prof. Gourang Naik Session Chair : Dr. Kirti Gupta

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	1715	Kumar, Satyamit*; Kumar, Narendra	A SEPIC PFC fed LLC Resonant converter For EV Battery Charger Applications	8.45 AM	9.00 AM
2	1718	Gaur, Poonam; Sharma, Rohit; Kumar, Ravi; Gupta, Amit; Sharma, Rishabh*; Kukreja, Vinay	Fighting Grape Black Rot with Deep Learning: A CNN-LSTM Hybrid Model for Disease Severity Classification	9.01 AM	9.15 AM

3	1725	Mishra, Ashish*	A 10-kW Active Front End Rectifier Fed Dual Active Bridge Converter For EV Charging	9.16 AM	9.30 AM
4	1726	Sharma, Aditya*; Tahiliani, Komal; Dubey, Ghanshyam Prasad	Reactive-Optimized Sentence Detection In Kubernetes Using OpenNLP And Native GraalVM Image With Framework Metric Comparison	9.31 AM	9.45 AM
5	1727	Jain, Priyanshi*; Qureshi, Rohaan; Nallanthighal, Raghava	UAV Swarm Navigation in GNSS Denied Region with Formation Control	9.46 AM	10. 00 AM
6	1735	Singh, Anirudh ; Chawla, Amal*; Adarsh, Abhigyan; Bhushan, Bharat	Performance Analysis of DC Motor using GWO and FPA	10.01 AM	10.15 AM
7	1744	Chaudhary, Isha; Singh, Nongmeikapam Thoiba*; Chaudhary, Mahak; Yadav, Komal	Real-Time Yoga Pose Detection Using OpenCV and MediaPipe	10.16 AM	10.30 AM
8	1758	B, Gopikrishna P*; G, Rubell Marion Lincy; Nair, Keertana	Motor Imagery-Based Brain-Computer Interface Using Fusion of Deep Convolutional Neural Network with Wavelet Scattering Network	10.30 AM	10.45 AM
9	1759	., Satyam*; Sai Samhitha, T; Adikesava Naidu, T; Swapna, K; Nagaraju, Y; Nagarajan, Ashokkumar N	Low Profile Miniaturized Wideband Antenna For mmW Applications	10.45 AM	11.00 AM

Time: 11:30 AM- 1.30 PM

TRACK- D2: Antennas & Propogation, Control, / Computer Newtworks/ Power Electronics / WSN

Hall Name: A-004

Session coordinator: Prof. Deepali Patil
Session Chair: Dr. Hasan Ali

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	492	Li, Yue ; li, li*	Cost Control System Of Power Grid Project Based On Digital Orientation	11.30 AM	11.45 AM
2	496	Miao, Yun *	Research On Application Of English Learning App Based On Android Platform	11.45 AM	12.00 PM
3	497	Xu , Lamei *	Research On Computer Graphics And Image Design And Visual Communication Design	12.00 PM	12.15 PM
4	498	Ma , Huining*	Research On Performance Evaluation Index System And Evaluation Method Of Hospital Knowledge Management	12.15 PM	12.30 PM
5	500	Zheng, Chao *	Research On Reservoir Numerical Simulation Method And Algorithm Design	12.30 PM	12.45 PM
6	503	li, li*; Wang , Zheng	Research On The Application Of Intelligent Technology In Electrical Automatic Control Engineering	12.45 PM	1.00 PM
7	512	Sun, Qiufen *	Research On The Construction Of Student Physical Health Diagnosis And Sports Prescription Network Service Platform	1.00 PM	1.15 PM
8	513	Shen, Yaowu *	Research On The Design Of Omni-Directional MoBile Robot For Sound Seeking, Positioning And Navigation	1.15 PM	1.30 PM

Time: 1.45 PM- 5.00 PM TRACK- D3: Antennas & Propogation, Control, / Computer Newtworks/ Power Electronics / WSN Hall Name: A-004

Session coordinator : Prof. Satish Shindhe Session Chair : Dr. Amir Halyal

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start Time	End Time
1	514	Wan, Nan *	Research on the Design of Online Teaching System of Basketball Basic Skill Based on Computer	1.45 PM	2.00 PM
2	516	li, li*; Zheng, Angang	Research On Trusted Sharing Technology of Measurement Test Data In Blockchain	2.01 PM	2.15 PM
3	517	Wei, Rong *	Research on visual communication optimization method based on Simulation Technology	2.16 PM	2.30 PM
4	519	Zhao, Qing *	Scheduling Strategy for Batch Scientific Workflows based on Improved Discrete Binary Particle Swarm Optimization in Cloud Platform	2.31 PM	2.45 PM
5	520	Cheng, Peng *	Simulation and verification of underwater robot tar-get grasping based on PID algorithm	2.45 PM	3.00 PM
6	521	Tong, Xin *	Statistics And Research On Producer Services And Industrial Manufacturing Based On Data Analysis Technology	3.01 PM	3.15 PM
7	522	Liu, Chengxin *	Strong Correlation Fuzzy Clustering Analysis Of Regional Industrial Structure Network Based On Floyd Improved Algorithm	3.16 PM	3.30 PM
8	526	li, li*	Text Generation Image Algorithm Based On Gener-ating Countermeasure Network	3.31 PM	3.45 PM
9	527	li, li*; Chen, Hong	Trademark Detection Algorithm Based On Artificial Intelligence	4.00 PM	4.15 PM
10	528	Wu, Jing *	The Application Of Blockchain Technology In The Promotion Of Cultural And Creative Products	4.15 PM	4.30 PM
11	529	Hong, Yang*	The Cultivation Of Students' Music Listening With Computer-Aided Piano Tuning Method	4.30 PM	4.45 PM
12	523	li, li*; Chen, Long	Structure design of picking robot based on crowd optimization algorithm	4.45 PM	5.00 PM

Time: 8:45 AM - 10:45 AM TRACK- E1: Computational Intelligence / Machine Learning / Blockchain HALL NAME: A-005
Session coordinator: Prof. Satish Shindhe

Session coordinator : Prof. Satish Shindh Session Chair : Dr. B S Halakarnimath

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	143	Bhaskara, Sneha*; P, Sneha; Seth, Srishti; Mohanty, Stuti; Kanwal, Preet	Detection and Comparison of Abusive and Hate Speech in English and Hinglish with Emojis using Deep Learning and Non-Deep Learning Techniques	8.45 AM	9.00 AM
2	152	R Mahatungade, Rohit*; Pawar, Manjula	Performance analysis of Reinforcement Learning	9.01 AM	9.15 AM

		K; Patil, Prakash	for Miner Selection in Blockchain		
3	741	Ashok, Akarsh*; S, Dr Sindhu	Encrypted Dedup-Upload, Download and Update Securely With Proof of Ownership	9.16 AM	9.30 AM
4	766	Khandelwal, Harshit M; Renapure, Aditya ; Narharshettiwar , Siddhi ; Sonare, Babita D. *; Dharmale, Gulbakshee J	E-mail Spam Detection Using Machine Learning	9.31 AM	9.45 AM
5	789	Shenvi, Nayana*; Virani, Hassanali	Comparative Analysis of Machine learning techniques for Forecasting Ionospheric Total Electron Content Data	9.46 AM	10. 00 AM
6	793	Safar, Seema ; Sunil, Diya Theresa*; Das, Abhijith; Joshy, Devika M	A Comparative Analysis of Image Captioning Techniques	10.01 AM	10.15 AM
7	1041	Kumar, Sathish *; Gornale, Shivanand S; Patil, Abhijit ; S, Rashmi	Offline Handwritten Signature Analysis for Age Classification using Deep Features	10.16 AM	10.30 AM
8	1053	Bhagat, Amol*	Detection and Analysis of Drowsiness using Machine Learning	10.30 AM	10.45 AM

Time: 11:30 AM - 1:30 PM

TRACK- E2: Computational Intelligence / Antennas & Propogation / Control & Systems /
Computer Newtworks/ Power Electronics / WSN

HALL NAME: A-005

Section coordinators Prof. Verbox Patil

Session coordinator : Prof. Keshav Patil Session Chair : Dr. Kuldeep Sambrekar

Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time
1	274	Pange, Sanchita M*; Pawar, Vijaya	Depression Analysis Based on EEG and ECG Signals	8.45 AM	9.00 AM
2	358	Mohan, Anand*; Somayajula, Abhilash Sharma	Analyzing Robustness and accuracy of different controllers for Underactuated ships	9.01 AM	9.15 AM
3	423	M`, Srikar*; Sastry, Suhaas ; S, Sampreeth; Sankpal, Priya R	Frequency Based Pest Detection User Interface using Neural Networks	9.16 AM	9.30 AM
4	427	Hossain, Mohammed Tahmid; Hossain, Afra; Meem, Sabrina Masum; Monir, Md Fahad *; Miah, Md Saef Ullah; Sarwar, Talha Bin	Impact of COVID-19 Lockdowns on Air Quality in Bangladesh: Analysis and AQI Forecasting with Support Vector Regression	9.31 AM	9.45 AM
5	447	Iyer, Sridhar*	Origami Based Reconfigurable Square Flasher Antenna	9.46 AM	10. 00 AM
6	556	Bhosale, Pavan Bajirao*; A, Sujil; Kumar , Rajesh	Electric Vehicle Charging Station Design for V2G and G2V Operation	10.01 AM	10.15 AM
7	557	D, Vydeki*; Hanumara, Vijayendra	Contactless Palm Recognition System	10.16 AM	10.30 AM
8	753	Mahajan, Sonali Manish; Aaditya, S B Abrish*; Avasthi, Aakansh; Karandikar, P B	Investigation of Fork Shaped Electrodes for Asymmetric Supercapacitors	10.30 AM	10.45 AM

Time: 1:30 AM- 4.00 PM TRACK E3: Computational Intelligence / Antennas & Propogation / Control&Systems / Computer Newtworks/ Power Electronics / WSN HALL NAME: A-005

 $Session\ coordinator: Prof.\ Shivan and\ Upari$

	Session Chair : Dr. S H Angadi					
Sr.No.	Paper ID	Corresponding Author Name	# Paper Title	Start time	End Time	
1	918	Kaki, Ramprasad*; Raganna, A; BR, Nagendra; AR, Prashant; M, MADHESWARAN; P, Govindan	Design and Realization of Closed Loop Amplitude Control Automated Accelerometer Calibration System	1.30 AM	1.45 AM	
2	980	Keelaillam, Shameer*; Kumar, Lalit	A High-Gain Dual-Band Antenna based on SISL Platform using Characteristic Mode Analysis	1.45 AM	2.00 PM	
3	982	Keelaillam, Shameer*; Kumar, Lalit	An Extensive Review on SISL-based Antennas with Hexagonal Shaped SISL-Antenna	2.00 PM	2.15 PM	
4	1083	Chahal, Minaxi*; Saini, Sanju	Hydro Power Plant Performance Optimization using Metaheuristics	2.15 PM	2.30 PM	
5	1092	Koundinya, Tejas S*; Sudhanva, Shreyas; C S, Shashank; Chandrasekar, Suguna; R Munavalli, Jyoti	Congenital Heart Disease Detection Using Spectral Analysis and CNN+B21	2.30 PM	2.45 PM	
6	1387	., Ushakiran*; Bhat N, Shyamasunder; Naik, Roshan R; H, Anitha	Evaluation of Similarity Measure for Feature based 3D-2D Registration in Vertebral Pose Estimation	2.45 PM	3.00 PM	
7	1610	Yaddanapudi, Harithasree*; Tripathy, Pujasuman; Khilar, P M	Performance Evaluation of Enhanced DV-Hop algorithm in Wireless Sensor Network	3.00 PM	3.15 PM	
8	885	Zingade, Deeplakshmi Sachin*	Multi-objective Hybrid Optimization-based Feature Selection for Sentiment Analysis	3.15 PM	3.30 PM	

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CARP-YOLO: A Detection Framework for Recognising and Counting Fish Species in a Cluttered Environment

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Arnab Banerjee; Debotosh Bhattacharjee; Nibaran Das; Samarendra Behra; Nagesh Talagunda Srinivasan All Authors •••

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Abstract

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- I. Introduction
- II. Literature Survey
- III. Dataset Preparation
- IV. Methodology
- V. Experiment Protocols and Results

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Abstract

In the research area of object detection, the recognition of different fish species in a cluttered environment is a challenging task. In the live fish market, different f... **View more**

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Abstract:

In the research area of object detection, the recognition of different fish species in a cluttered environment is a challenging task. In the live fish market, different fish species with variations in size, angle, and scale make it hard for the common people to recognize the species properly. Again, counting and sorting fish species is an important task in the fisheries industry. A dataset named JUDVLP-WBUAFS: Fishdb-Detection.v1 with 400 images is prepared by collecting images from the different live fish markets in West Bengal under unconstrained environments. Various augmentations like flip, rotation, blur, gaussian noise, hue saturation, and RGBshift have been applied to make the dataset more diversified and less prone to overfitting. A total of six fish species, Labeo catla, Labeo rohita, Cirrhinus mrigala, Labeo bata, Hypophthalmichthys molitrix, and Ctenopharyngodon idella, are considered in this study for the purposes of recognition and counting. Two popular object detection deep learning networks, YOLOv3 and YOLOv5, with different variants, have been applied to the original and augmented datasets individually. Using YOLOv5l and the YOLOv3-SPP network, the best mAP@0.5 of 0.764 is achieved on the original dataset. In the augmented dataset, the best mAP@0.5 of 0.84 is achieved using the YOLOv3-SPP network. The mAP@0.5 value on both datasets shows a promising result for the recognition of fish species in some extremely cluttered environments. This study is expected to help common people and the fishing industry in a variety of contexts.

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I. Introduction

Globally, a total of 34,800 fish species have been recognised in various aquatic ecosystems [1]. There are many other fish species present that are yet to be recognized. India is a river-centric country with approximately thousands of freshwater fish species. India is the third-largest producer of fish and the second largest aquaculture fish producer. Out of the total aquaculture fish production, a lion share of it is contributed by carps. Around 60% of the carp production in India is done by Indian Major Carps (IMC) which consists of Labeo rohita, Labeo catla, and Cirrhinus mrigala. In India, around 60% of the total population consumes fish, and the annual per capita consumption of the total Indian population is approximately 6.31 kg [2]. Currently, Andhra Pradesh is the largest inland fish producer state in India followed by West Bengal. Identifying different fish species in the fish market is difficult for consumers. Proper knowledge of fish taxonomy and experience are the key factors in correctly identifying the fish species. In different fisheries industries, the recognition of fish species and counting them are very important tasks that require trained personnel. Manually identifying the species and counting is a monotonous process that requires a lot of trained manpower. Most of the fish markets in India are unorganized, and during the day time there is a moderate crowd seen in the itin the i market, consumers frequently struggle to identify them and may require assistance from someone with expertise of fish taxonomy. However, it is not always possible to obtain immediate assistance from experts, and one must be self-sufficient, which necessitates the development of a suitable tool using available technology to identify fish species in the market. Considering both the industrial and soceital needs, in this study an automatic fish species recognition and counting framework is proposed. To carry out this study, a dataset consisting of 2,281 images is proposed after applying a total of nine different augmentations to the training dataset. A total of 19,995 instances of six fish species- Labeo catla, Labeo rohita, Cirrhinus mrigala, Labeo bata, Hypophthalmichthys molitrix, and Ctenopharyngodon idella, are presented in the proposed dataset. Because the images were collected in cluttered environments, many of the fish species are obscured by surrounding fish species. These make the problem challenging to solve. In this study, only the head portions of fish species were considered for annotation using a rectangular bounding box. Two popular deep learning-based object detection networks, YOLOv3 [3] and YOLOv5 [4], with different variants, used with the original and augmented datasets.

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