



Shri Vile Parle Kelavani Mandal's
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
 (Autonomous College Affiliated to the University of Mumbai)
 NAAC Accredited with "A" Grade (CGPA : 3.18)



3rd International Conference on Advanced Computing Technologies and Applications 2023

Day 1: 6th October 2023

SESSION 1----10:30 am-12:30pm

TRACK 1

PAPER ID	TITLE	AUTHORS
30	ChatGPT for Creative Writing and Natural Language Generation in Poetry and Prose	Milind K Audichya, Jatinderkumar R. Saini
104	Cloud Based Secured Hospital Ecosystem	Rubi D Mandal, Umakant K Sawant, Jackysh Bangera
205	Hyper-Space: Blockchain-based Decentralized Cloud Storage System	Akshat Rawat, Gaurav Karande, Mukundan Balaj, Vedant Narendra Bhamare, Poonam Jadhav
213	Smart BAT - Smart Budget Analyzer and Tracker	Sahil A Shelke
256	Online Examination Auto-Proctoring System	Siddhesh Gadkar
114	Optimization of manipulated cement mill variables using AI models	Othonas Manis, Michalis Skoumperdis, Nikolaos Kolokas, Christos Kioroglou, Ilias Panagoulas, Alexandros Tsolkas, Dimosthenis Ioannidis, Dimitrios Tzovaras
451	Soybean Leaf disease detection using Deep Learning	Rina K Bora
555	Optimal Planning of Battery Swapping and Charging Stations for the Urban Cities	Sachin S Kumbhar, Vaiju N Kalkhambkar

TRACK 2

PAPER ID	TITLE	AUTHORS
55	A Review on Iris Recognition Using Machine Learning Techniques	Yashwant S Ingle, Parikshit N. Mahalle, Shraddha Khonde, Suvarna R. Bhagwat
57	STGCN-SHOA: A Spatial-Temporal Graph Convolutional Network for athletes' gait analysis using Spotted Hyena Optimization Algorithm	Amsaprabha M, Abisha D
65	Fake textual and image news detection on social media using natural language processing	Ankit Gautam, Vijayakumar Bharathi. S, Dhanya Pramod, Kanchan P Patil
82	Autopilot: An advanced perception, localization and path planning techniques for autonomous vehicles using YOLOv7 and MiDaS	Harshkumar V Devmurari, Gautham Pravin Kuckian, Prajwal U Vishwakarma
84	MSMEs Readiness for Adopting Artificial Intelligence and Machine Learning	Kanchan P Patil, Dhanya Pramod, Vijayakumar Bharathi. S,
98	Plant Disease Detection Using Deep Learning Model - Application FarmEasy	Pallavi Pandey, Panjab Mr Mane, Kalpesh Patyane, Manish Padeka, Rohan Mohite, Anil Avhad
102	Look Tell: A Deep Learning Based Smart Assistant for Visually Impaired.	Rucha S Pingale, shreyash uday padge, Samruddhi Patil, Prachi Pavan Sharma, Jyoti Kundale



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IEEE
BOMBAY
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3rd International Conference on Advanced Computing Technologies and Applications 2023

Day 1: 6th October 2023

SESSION 2----3:00 pm-5:00 pm

TRACK 1

PAPER ID	TITLE	AUTHORS
270	Creating Traceability in Spice production and providing crop insurance to farmers on crop failure using Blockchain	Sakshi Padwal, Siddhi S Sattur, Atharv Shinde, Pallavi M Tekade
281	Remote Heart Ailment Detection using Eulerian Video Magnification	Rohit Meshram, Somnath Tandale, Mudit Mittal, Subham Patel, Udit Milind More
291	Blockchain Qualified: Verification System	Lalit Shailesh Jain
296	BlockCrate: A Blockchain-Based Asset Sharing and Management Solution	Manan Shah, Nilesh M Patil
300	Improving Product Traceability and Security in Supply Chain Management using Blockchain	Ayush J Turakhia, Chirag S Date, Chris R Correia, Ramchandra Mangrulkar, Idongesit Williams, Parikshit N Mahalle
308	Dual-path Residual UNet with Convolutional Attention based Swin-Spectral Transformer Network for Segmentation and Detection of Ovarian Cancer	Arathi Boyanapalli
323	Secure Peer-to-Peer Communication using Private Network Blockchain Technology	Mohammed Raza Syed, Mihir U Shinde, Siddharth Unny, Sahil M Nair, Ashok P Patade
331	ORGANiser	Vinisha V Adappa, Rishabh D Raghuvanshi, Ruchit R Thaker, Kumkum Saxena

TRACK 2

PAPER ID	TITLE	AUTHORS
105	An Efficient Loan approval status prediction using machine learning	Mohammed Arif GS, Nancy Deborah R, Vinora A
106	Detection of Vehicle Lights and Classification of Its State	Raman Kumar Jha
108	Sentiment Analysis and Machine Learning Algorithm Implementation on Flipkart Product Customer Reviews	Nancy Deborah R, Alwyn Rajiv S, Vinora A, Shiivadhanush K V
162	Underwater Object Detection using EfficientDet	Omkar Suresh Padir, Rahul N Tandel, Sumit Thakare, Pramod Bide
165	Systematic Literature Review of Rainforest Surveillance	Bhavisha R Sondaga, Dhruvi S Sheth, Meloni S Patel, Pooja J Raundale
170	NeoRoute: A Pathfinding Algorithm Visualizer	Rohan Surti
182	TAKA- Cybersecurity Chatbot	Rushabh N Mistry



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SESSION 2----3:00 pm-5:00 pm

TRACK 3		
PAPER ID	TITLE	AUTHORS
32	Brain Tumor Detection & Classification into Different Categories using Deep Learning	Utkarsh Yashwant Tambe , Shanthini A
58	Machine Learning for Ensuring Sustainable Development: Predicting Employee Attrition in the Workplace	Shobhanam Krishna
101	Probability of Heart Disease using various Machine Learning Algorithms	Suryanarayan S Pillai ,Kanchan V Bakade
160	C2 – Pils: A Chatbot Using Chat-Gpt for Pharma Industry And Life Sciences	Sunil Bhutada, Saran Sri Dath Uppala, SriGeethika Nagavajyula,Tarun Pottigari
226	MRI-based Alzheimer's disease detection using EfficientNetB3	Disha Mehta, Aakash Mohite, Vaishnavi P Shinde, Ritika Khatri, Indu Dokare
231	Effect of hyperparameter tuning on transfer learning models for brain tumor detection and classification.	Andre I Nazareth, Grace P Pereira, Trisha Nagarkatte, Jagruti K Save
240	Pratirakshak (प्रतिरक्षक): Enhancing Competitive Exam Integrity Through Proctoring Technology	Mehul Ranka, Aditya Shah, Ajay Devmane,Prathamesh P Churi
253	Prediction Of Neurological Disease Using Machine Learning Algorithms	Anurag Ashwin Devarakonda



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3rd International Conference on Advanced Computing Technologies and Applications 2023

Day 2: 7th October 2023

SESSION 3----9:00 am-11:00 am

TRACK 1

PAPER ID	TITLE	AUTHORS
363	Enhanced Schema for Proof of Stake Mechanism Based on Stake Size And Random Validator Selection	Aryan Trivedi, Hrithik Jayesh Mistry, Yukti A Shah, Ramchandra Mangrulkar, Nitin S. Goje, Parikshit N Mahalle
393	A Systematic Review of Machine Learning Approaches and Missing Data Imputation Techniques for Predicting Heart Disease	Ankush G. Hutke, Jyoti Ajinkya Deshmukh
398	Real-Time Future Stock Price Prediction Using Machine Learning algorithms	Anagha J. Patil
399	Startup Funding App using Flutter and Machine Learning	Anagha J. Patil
406	Credit Risk Assessment	Danish Shaikh, Kshitij Patil, Aakash Vishwakarma, Siddhant Roy, Mimi Cherian
411	HOG Based Surveillance System for Chain Snatching Detection	Swati Shilaskar, Shripad S Bhatlawande, Mohish N Khadse, Sakshi Santosh Kulkarni, Shajjad Husain H Shaikh
456	Bleak Medical Prognosis of Covid Patients Using Explainable Machine Learning	Richa Sharma
457	Opening the Black Box: Explainable Machine Learning for Heart Disease Patients	Dolley Srivastava

TRACK 2

PAPER ID	TITLE	AUTHORS
264	Unlocking Math Potential: EDSense - A Personalized Intervention Tool for Children with Dyscalculia	Dipti Jadhav
288	Evolutionary Programming for Dynamic Resource Management and Energy Optimization in Cloud Computing	Santosh I Gore
332	Consumer Behavioral Segmentation Analysis	Amiya Kumar Tripathy, Boris Edison, Alston J Fernandes
336	Music Genre Classification using various Machine Learning Algorithms	Sarthak A. Deshmukh, Shubham S Dhumal, Avantika D Patil, Sakshi S Tawte, Swati Nadkarni, Manya Ms. Gidwani
341	Forest Cover Type Prediction	Dipen K Patel, Anirudh Gayaprasad Gupta, Aditi Vivekanand Pal, Hetal Parmar, Manya Ms. Gidwani
349	Random Forest Sampling for Crop Recommendation based on ambient climate and soil conditions	Saivignesh Bhumes Adep, Miloni Gada, Kashish Maru, Mit Sheth, Deepshikha A Chaturvedi
367	Customer Churn Prediction Using Customer Data and Reviews	Sumukh Kulkarni, Sindhu Nair, Yash Upadhyay, Nishank Shah
449	Petpaws: A Comprehensive Dataset and Recommender System for Canine and Feline Breeds	Ruhina Karani, Prachi Tawde, Nika Popovich, Jiya Patel, Sahil Kartik Doshi, Ritesh Bharat Mansuria



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SESSION 3----9:00 am-11:00 am

TRACK 3

PAPER ID	TITLE	AUTHORS
237	Automated Plant Identification Through Deep Learning with Particular Focus on Medicinal Plants	Sreeja Reddy Chinthala, Sunil Bhutada, Sparsha R Reddy, Sagi Vaishnavi
239	Multimodal Mental Workload Classification Using MAUS Dataset	Amanrosekaur Sethi, Rahee Walambe, Priyanka Jain, Ketan V Kotecha
245	Hate Speech Detection Using Transformers	Shivam Sharma
257	Leveraging BERT for Next-Generation Spoken Language Understanding with Joint Intent Classification and Slot Filling	Santosh I Gore
258	Proposed Methodology For Real-Time Pistol Detection System	Ayush Ketan Shah, Neha Katre
261	Attention Module-Based Waste Management: A Machine Learning Approach to Sorting Organic and Recyclable Materials	Manan Ranka, Anshul N Patil, Naman R Dalsania, Raminder Kaur Nagra
266	Fish species recognition using Deep Learning techniques	Abhay Suresh Gori

TRACK 4

PAPER ID	TITLE	AUTHORS
103	Pesticide Recommendation Based On Pest Recognition Using MobileNetV2	Ranjeet N Sutar, Mrugesh Hande, Vivek Jaiswar, Suryanshu Gopal Wadhel, Panjab Mr Mane
230	Potato Plant Disease Classification Using Convolution Neural Network	Pratham S Gupta
267	A Social Media System for Detecting Child Predators	Vaibhav Laxman Kasar, Dipali Himmatrao Patil, Schuzelle G Fernandes, Ashutosh Chillarge, Vaishnavi Abuj
302	Node Degree Classification using Graph Modelling	Dhruv Bharatbhai Sonani
350	Indian Sign Language recognition using LSTM and mediapipe	Hardik Pithadiya, Hartik Suhagiya, Manish Jha, Lakshmi Kurup
397	Evaluating ML models on CTU-13 and IOT-23 Datasets	Anagha J. Patil



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Day 2: 7th October 2023

SESSION 4----11:15 am-01:15 pm

TRACK 1		
PAPER ID	TITLE	AUTHORS
461	VoiceMitra - A Speech to Visual Translation Approach for Disabled	Samruddhi Prashant Pate,Kuldeep Vayadande
479	Green Cover Identification and Hotspot Analysis	Alan Fernandes
567	Is LinkedIn going to become the next Facebook?	Mukul Singla, Sandeep Kumar Yadav, Sandeep, Krishna Dutt, Garima Chhikara
464	Detection of Price Manipulation in the Stock Market	Arjav M Parekh, Richa Sharma,Aryan Ringshia,Neil D Desai
476	Decentralized one stop solution for real estate	Nirav Naresh Pocha, Rushabh B Shah, Yash Nirav Shah,Pankaj Sonawane
482	Analysis of Transfers Learning Techniques for Early Detection and Grading of Diabetic Retinopathy on Retinal Images	Santosh Kumar Sahu, Ankush D. Sawarkar, Ajay Kumar Sahu , Akhil Anjekar, Amol P Bhopale, Jagdish Chakole
490	Blockchain based Healthcare System	Khushi Patel
544	Dataset Generation Using a Wall-Based Technique for FDM 3D Printing	Sonali S Patil,Yogesh Deshpande, Dattatraya Parle

TRACK 2		
PAPER ID	TITLE	AUTHORS
275	Flood Location, Management and Solution (FLMS): A Flood Prediction and Management System for Kurla	Siddhanth G Naidu,Ambuj A Pandey , Amiya Kumar Tripathy, Sumit Sen ,Shiab Patel
276	NLSQL: Generating and Executing SQL Queries via Natural Language Using Large Language Models	Shivam Viresh Vora, Vinaya Sawant , Ayush S Attawar, Parth Vipul Narechania, Heli Vora
279	Advancements and Comparative Analysis of Opinion Mining Techniques: A Review of Methods and Algorithms	Sneha Devanand Panditpautra, Aryan A Balpande
286	AI-based spatial analysis of crop yield and its relationship with weather variables using satellite agrometeorology	Nitin R. Mahankale, Santosh I Gore
287	Questify: Your Intelligent Web Page Assistant for Quick Answers	Aashish Jha,Madhavi S Purohit ,Gaurav S Samanta, Dipti Jadhav
289	Speech Emotion Recognition using Fully Convolutional Network and Augmented RAVDESS Dataset	Vandana Singh , Swati Prasad
298	Real Time Conversion Of Sign Language To Text and Speech(For Marathi and English)	Rahul Bazaz



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TRACK 3

PAPER ID	TITLE	AUTHORS
310	Crowd Detection System & Prediction Analysis	Vivek Sunil Maurya, Crezel S Mendonca, Abhiraj S Mane ,Amiya Kumar Tripathy
311	Personalised AI Based Yoga-Pose Recommendation System Using Game Theory	Nidhi Parab, Alefiya Abbas Rampurawala, Siddhi S Khade , Manimala Mahato
313	Activity Monitoring and Unusual Activity Detection for Elderly Homes	Manasvi Nilesh Patwa
320	Machine Learning Technique for Crop Selection and Prediction of Crop Cultivation	Tanvi Deshmukh, Amol Potgantwar, Anand Rajawat
325	Video Categorization using Feature and Context Extraction	Rummaan Ahmad, Omkar Manohar Dalvi ,Manish S Gupta ,Dhruv Praveen Totre , Bhakti Sonawane
330	Footy Forecast - Measuring Performance in Football	Chirag S Rohra, Soham S Desai, Shlok Asher
342	Generating Textual Video Summaries using Modified Bi-Modal Transformer and Whisper Model	Vipul Gurudatt Belhekar, Amiya Kumar Tripathy

TRACK 4

PAPER ID	TITLE	AUTHORS
351	Link Prediction using GraphSAGE	Sarthak Anil Bhatkar
353	Indian Sign Language Recognition with Conversion to Bilingual Text and Audio	Shreya Manjucha, Nidhish A Chhajed, Priyansi Chogale , Nidhi U Chandarana
356	Captcha Recognition Using Deep Learning Algorithms	Sai charan reddy Komatireddy, Sandeep Kokkonda , Vamshi Kasam, Subhani Shaik ,Vigneswara Reddy Kanjula
357	Institutional Accreditation Data Analysis and Decision Making System	Chris D'Souza, Rhea V Gupta ,Sarah Devendra Pradhan , Phiroj Shaikh
365	A Transfer Learning-Based Model for Oral Cancer Detection	Aqil Pathuthara, Arsh Singh ,Tarun Yadav ,Deepali T Biradar
389	Face Recognition for Efficient Identification of Domain Experts at Professional Meetups	Deepali R Vora ,Mudit Garg, Nihar Phansalkar , Ojaswini Kohale
395	MILAP: A Gamified System To Ease Conversations For ASD	Hetvi Jain, Abhijit Ramesh Rao Joshi



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Day 2: 7th October 2023

SESSION 5----2:00 pm-4:00 pm

TRACK 1

PAPER ID	TITLE	AUTHORS
402	FarmWise: Crop Cultivation Analysis using Image Recognition and ArcGIS Mapping	Pranay Thakkar,Rahil A Shah, Varun Talreja ,Kiran Bhowmick
417	Contrastive Learning Approach for Text-to-Image Synthesis	Prathamesh Hambar , Somesh R Fengade , Zenil Vinod Gosher, Jayesh P Jain ,Rushikesh R Nikam, Suchita Dange
418	Vision Based Floating Garbage Classification using SIFT	Sarthak Bhake,Swati Shilaskar,Shripad S Bhatlawande ,Sahil D Parekh, Rushikesh Mali
422	Women's Rights in India	Andrea Marina Alvares,Leona Varghese,Tiffany Jesus Nadar
428	Deep Learning Based Chatbot Architecture for Medical Diagnosis and Treatment Recommendation	Girish Rajani , Khushi P Ruparel
439	Recognizing Sentiments In Regional Language Text From Social Media Using Machine Learning Approach : A comparative Study to understand the state of the art tools and associated functionalities available	Sudarshan M Sirsat, Nitish S Zulpe

TRACK 2

PAPER ID	TITLE	AUTHORS
448	Integrating Text and Emoticons for Detecting Extremist Affiliations on Twitter using Deep Learning	Nidhi Nirbhik , Shailender Kumar
450	American Sign Language Recognition using Video Vision Transformers	Nishant Singh,Pratik Kanani
455	Crossroad accident prevention system using real-time depth sensing	Dhairya Haresh Veera, Narendra M Shekokar
465	Enhancing Driver Safety through Real-Time Feedback on Driving Behavior: A Deep Learning Approach	Om R Thakrar,Prateek S Ranka,Vidhita Pai,Stevina Correia, Ruhina Karani,
477	A Multimodal Approach to Multispeaker Summarization and Mind Mapping for Audio Data	Hridayraj Modi, Pratik Kanani
495	Early Diagnosis of Cataract and Diabetic Retinopathy for Rural India using a Cloud-Based Deep Learning Model	Naitik N Vora,Vighnesh Iyer , Harshal Dalvi



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TRACK 3

PAPER ID	TITLE	AUTHORS
502	Tweet Analysis: What changed over time?	Garima Chhikara,Dhan Raj Rai
505	Explainable AI for Predictive Analytics on Employee Promotion	Bitan Misra,Nilanjan Dey
516	Multimodal Emotion Recognition in Video, Audio, and Text using Deep and Transfer Learning	Tushar Deshpande,Tanishq S Kandoi,Vidhish G Panchal , khushali deulkar
519	Comparing the Effects of Various Preprocessing Techniques on the Performance of CNN for Facial Emotion Recognition	Diti Dalal, Drishti O. Talreja , Divyashree N Vaidya , Meera Narvekar ,Kranti V Ghag
531	Detecting the presence of social bias in GPT-3.5 using association tests	Aatmaj Kaustubh Mhatre
538	Pothole Detection based on Machine Learning and Deep Learning Models	Hasini Sagi

TRACK 4

PAPER ID	TITLE	AUTHORS
540	Fruit And Vegetable Grading with Transfer Learning And Convolutional Neural Networks For Better Productivity	Chhaya Narvekar,Madhuri Rao
547	Smart Dress Trial	Jainil Bhavesh Shah,Vardhan Deepak Doshi, Ayush A Kapadia , Neha Agarwal
551	Multitask Audio Analysis for Emotion, Gender, and Speaker Recognition in Bangla Speech Exploring Features and Models	Priom Deb
556	Speech Recognition Email System for People with Impaired Sights	Ayush S Jain, Pratik Kanani
563	"Walipilla" A Mobile Based Screening and Refinement System to Identify the Risk of Reading Weaknesses Due to Dyslexia	Heshari S De Saram
565	AI-FIT Virtual Gym With Real-Time Exercise Form Detection	Rahul S Pawar