

International Conference on Recent Advances in Industry 4.0 Technologies

(ICRAIT – 2022)

14th – 16th September 2022

Accepted papers for conference

S.No	Paper Id	Title	Author's Name
1	1383 (Abstract)	Trajectory tracking control of wheeled mobile robot under different disturbance torques: A simulink approach	Gaurav, D.Mhatre, J.Srinivas
2	3030	Discomfort caused in wearing COVID'19 facemask analysis using DEMATEL method	Rahul Jadhav, Santhi B and Bathrinath S
3	4217 (Abstract)	Green biocomposites for food applications	Janifer Raj Xavier
4	7248	Prediction of waste and compost generation for nashik city using neural network	Chandrashekharmohod, MilindPatil, Sanjay Shekhawat and ShyamkumarKalpande
5	7452 (Abstract)	Advances in 5-hydroxymethylfurfural production from biomass in biphasic solvents	Prof.NeeruAnand and Uplabdhityagi
6	8712	Development of Arrestor Barrier Safety System in Air Traffic Control	ElangovanMuniyandy, GururajSanga and Surrya Prakash D
7	9880 (Abstract)	Experimental Modeling and Robust Parameter Design in Bevel Gear Lapping	Anas Siddiqui and Avanish Kumar Dubey
8	0778	Development of anomaly detection and process optimization model for iron ore sintering process	RohitVishwakarma, Dr. MadhuRanjan and Pranav Kumar Tripathi
9	9201	Fault Diagnostics on Time Domain Vibration Signals of Taper Roller Bearing Using Deep Learning Algorithms	Mahesh Bankar, Bharatkumar Ahuja, ManeetkumarDhanvijay
10	3782	Investigations on Corrosion Behaviour of Surface Texturing on 316L SS Manufactured Using SLM	PrameyaSorate, Bharatkumar Ahuja and MayurSawant
11	6831	Economic Model of Integrated Hybrid Additive-Subtractive Manufacturing using ABS polymer	AshfaqueuddinFarooqui, Dr. Mayur S. Sawant and Dr. Arati V. Mulay

12	0576	Developments of Models of Tooling for Machining Centers	Aezeden Mohammed, UmamaheswararaoMogili KamalakantaMuduli
13	1502 (Abstract)	How to reduce Production Losses-South Pacific Brewery Limited and Paradise Foods Limited	John Kamit Aezeden Mohammed
14	5026	Performance Monitoring of I to P converter using Data Driven approach	MeeraKhandekar, SudhirAgashe and RaunakPawar
15	3684	Implementation of Auto-regressive Model for IOT enabled Pressure Transmitter	RaunakPawar, MeeraKhandekar, SudhirAgashe and Ravi Mohalkar
16	7409	Effect of Mechanical and physical properties on Tribological Behaviour of Metal Matrix Composites-A Review ".	JibanJyotiKalita, SaheeraAzmiHazarika
17	7133	Different control strategies for performance enhancement of wind energy conversion system	KalpitiPrakash and Monika Mittal
18	6103	Adaptive lqr-based control of 3 dof spherical articulated robotic manipulator	KalyanamSuryanarayana and Monika Mittal
19	7744	Design and Development of LiDAR-based Autonomous Wheeled Mobile Robot for Warehouse Application.	Vivek Mali and MaheshwarJaybhaye
20	5705 (Abstract)	An Intelligent Energy Consumption Prediction Model of Renewable Power Source with Hybrid CNN+RBF Approach	Jagdish Sharma
21	3740	3D printed honeycomb matrix as photocatalyst substrate for water remediation application	ManikandamaharajTs, Parikshit Kumar, Malavika Sunil and B.M. Jaffar Ali
22	7430	Prediction of FBC Boiler Efficiency using Machine Learning Algorithm	MeeraKhandekar, SudhirAgashe and RaunakPawar
23	2378 (Abstract)	Investigations on size effect and temperature on deformation behaviour of copper in micro-extrusion process	NanthakumarSivasamy, Avinashkumar R, Abhi C Srihari Prasad K
24	1576	Analysis of Ground Water Hand Pump using Design for Manufacturing and Assembly	ManikantaSai P, DamayanthiJesudas and Santhi B
25	9682	Switching Characterization of Si, SiC and GaN Power Devices Based on Double Pulse Test	DalliSrinivas Reddy, AllamsettyHemachander

		using LTSPICE	and Bijukumar B
26	8736	Effect of Chopped Carbon Fibers (CCF) and Water to Gypsum Ratio on The Compressive Strength and Density of Gypsum Plaster	Farah Hussein
27	6162	Programmable Logic Controllers (PLC) in Flexible Manufacturing System (FMS)	Aezeden Mohammed and UmamaheswararaoMogili
28	2628	Innovative techniques of corrosion removal maintenance towards solar energy optimum utilization	Dr Ashok Matani and VirajDusane
29	9338	Project Planning and Installation of Dip Pre-Treatment Line for Jig Cleaning in the Automotive Industry	Karan Patil and MaheshwarJaybhaye
30	0814	Simulation on Contact Stress Analysis of Composite Bevel Gear	NarendiranathBabu T, Dhruv Kumar Dhiman and DhruvMathur
31	0537	Effective designing and development of all-terrain vehicle chassis towards enhanced vehicle safety	Dr Ashok Matani and PranjaliPhirke
32	0283 (Abstract)	Prediction of coefficient of lift and power generation of horizontal axis wind turbine blade using machine learning algorithm	P Emmanuel Nicholas, Arul Johnson A and R Santhaseelan
33	3303	Development of Property Prediction Model for Hot Strip Mill Using Machine Learning Algorithms	RushikeshMuley, Dr.MadhuRanjan and Pranav Kumar Tripathi
34	4312 (Abstract)	Prediction of thermal buckling strength of stiffened fiber reinforced polymer composite plates using artificial neural network	Dr. Emmanuel Nicholas P, Santhaseelan R and Arul Johnson A
35	8067 (Abstract)	Design Review on PNG Airspace and ATC Surveillance Radar	John Kamit and Aezeden Mohammed
36	0122	Enhanced Capsule Generation adversarial network with Blockchain based Intrusion Detection System for enhancing Cybersecurity in Cloud Computing Environment	Ravikanth Regulavalasa and Premjacob T
37	0363	Artificial Intelligence based Electronics Engineering Software Application System	Sathanapriya M, C.Sandhya, S.Kavitha, G.Santhosh, R.Apparsamy, and K .Harish
38	1314	A Techno Aid to Ease in e-Rehabilitation	Urmila Shrawankar and Chaitreya Shrawankar
39	1335	AI-based virtual mouse movement for capture the object	Dr. K.Indira, S.Karthiga, and C.V Nisha Angeline

40	1644	A Comparative Study of IoT based Automated Hydroponic Smart Farms: An Urban Farming Perspective	Swati Jain and Mandeep Kaur
41	2162	Ensembled Transfer Learning Models for Real Time Face Recognition	Kujani T and Dhilip Kumar V
42	4617	Enhanced Image Colorization in Medical Image Analysis using Deep Learning Mode	Dr.K.INDIRA, S.KARTHIGA, C.V NISHA ANGELINE and Karthick
43	4815	Brain tumour cell detection using deep learning	Dr K Indira S.Karthiga and Nisha Angeline
44	4826	Cardiovascular Disease Prediction Using Machine Learning Techniques with HyperOpt	Yaso Omakri D and Snehal Shinde
45	5344	Fake currency detection using machine learning algorithm and image processing	Padmaja Vaishnavi Teeleti and Thanga Selvi R
46	5651	Smart Truck: A Boon for Logistic firms in fast delivery	R Girija, Vedha Priyavadhana and S.L Jayalakshmi
47	5809(Abstract)	Smart Contact Lens: Artificial Intelligence Based Smart Contact Lens for Monitoring Diabetes using Machine Learning Classifier	Delshi R
48	6781	Classification of lung CT scan images using 2D convolution neural network (2D CNN)	Lakshipriya Gogoi and Prof. Md. Anwar Hussain
49	7091	Detection and Mitigation of Slow DoS attacks using Machine Learning	Inchara S, Keerthana D, Dr. Rama Mohan Babu K N and Prathima Mabel J
50	7158	Cloud Based Home Safety System with Emergency Activation	Elangovan Muniyady, Ramapriyan. C, and Surrya Prakash D
51	7466	Content Moderation in Social Networking Platform	Snehanshu Raj, Yash Raj Banka, and Vani K A
52	8104	A review on the role of Deep Reinforcement Learning for Image Processing tasks	Ankit Khatri, Pankaj Rawat, Pankaj Rawat, and Abhishek Kumar
53	8217	Disease Prediction Using Machine Learning And Deep Learning Techniques	Aftab Attar, Akash Rathod and Anirudh V, Madan Beleri, and Prathima Mabel J
54	8403	Pest Classification in Paddy by using ConvNets VGG19	Elakya.R and T.Manoranjitham
55	8521	Crime Rate Prediction Using Neural Networks	NetworksAkshata D sirsikar, Manikanta N A, Rakshith R, Shivani Dayal,

			and Prathima Mabel
56	9442	A New Authentication RSA Homomorphic Encryption Technique for Prime Factorization-Based Attacks Scheme using Brahmagupta Fibonacci Identity for Cloud data security	Dr.D.Chandravathi, Dr. Bh.Padma, and I.S.Pallavi
57	9681	Medical Image Denoising Using Convolutional Denoising AutoEncoders	Kaki Leela Prasad, Akasapu Hemanth Kumar, Yashwanth Boggarapu, Gottimukkala Srihita and Bora Kranthi Kumar
58	9829	MedCoin: Facilitating Secure Medical Data Aggregation	Adarsh C, Kaushik S, Prashanth M Sangram,Jeevan Mahesh, and Vani K A
59	9901	A Novel Approach of Artificial intelligence based smart accidental alert system with Robotic technology for N number of First AID Medical support	Chandrashekhhar Kumar, T.Muthumanickam, T.Sheela, and G.Ramachandran
60	5380	Interactive Gaming Experience in VR integrated with Machine Learning	Sarthak Bhan, Lokita Varma, Kush Maniar, Russel Lobo, Sanket Shah and Nilesh Patil
61	2698	Future Technology 5G & Cybersecurity Threat	Ishita Mahajan, Megha Gupta and Kavita K
62	5917	A Comprehensive Review on Cloud Compliance	Nisirin K and Ansuman Mahapatra
63	8627	Multi-modal Biometric Authentication, Iris and Fingerprint recognition, Fusion methods, Score Level Fusion and Decision Level Fusion	Dr. Suganthi A, Dr.Senthilmurugan M and Dr.Vanitha J
64	1195	Performance Analysis Of Ensemble Learning For Artificial And Real Time Data Streams - Research Directions	Shailaja Jadhav and Dr. Dattatraya Kodavade
65	5368	Refined-Para forming Question Generation system using Lamma	Ms. Khushbu Khandait, Dr. S.A. Bhura and Dr. S.S Asole
66	6406	Aero Drums - Augmented Virtual Drums	Dishant Zaveri, Sanika Ardekar, Vismay Vora, Russel Lobo, Rajvi Parekh and Aniket Kore
67	1822	Review of the Effectiveness of Machine Learning Based Phishing Prevention Systems	Jishnu K S and Dr. Arthi B
68	5739	A Condensed Review : Detection of Fruits using SOTA Object Detection Methods in Deep	Ms.Chitra Bhole and Dr.Chandani Joshi

		Learning	
69	6108	A Modern Tool of Conversation: Chatbot	Vibhuti Gupta and Megha Gupta
70	1355	Post Flood Assessment Using Deep Learning Techniques	Sanket S Kulkarni and Ansuman Mahapatra
71	4545(Abstract)	Effective Resource Prioritization in Optimal Cloud Load Balancing Approach Using Cluster Switching Mechanism Agent	Justin Kennedy and L Jayasimma
72	6779	Domain specific e-commerce product recommendation using hybrid approach	Velvizhy P, Shanmuga Priya E, Shanmugapriya M and Karthika Devi M.S.
73	4435	Sridevi S, Karpagam G R and Vinoth Kumar B	Establishing Trust Enhanced Blockchain-based Distributed Web Service Registry
74	9361	Baskaran Ramachandran and Karthika Devi M S	Comic Character Recognition(CCR): Extraction of Speech Balloon Context and Character of Interest in Comics
75	9473	Virtual Teleporter - a Text to Fully Immersive and Interactive Virtual 3D Scene Generation System using Unity	Renugadevi S, Anjana Sherin T, Monisha Padmavathi R and Haripriya K
76	9489	An Encoder-Decoder model for Video Captioning using RESNET and GRU	Preethi A and Dhanalakshmi P
77	4413	Deep Learning Based Clustering Methods and Taxonomy for Deep Clustering	Chandu Sigadapu and Ansuman Mahapatra
78	1217	Convolutional Neural Network for Knowledge Graph Completion	Anish Khobragade, Fawaz Wangde and Shashikant Ghumbre
79	6665	Digitization and electronic translation of brahmi stone inscriptions	Durga Devi K, Supraja G, Vanathi A and Vidhyalakshmi M
80	1354	Review of Security Practices for Medical Images	Zeenath Zeenath, Dr. K.Durga Devi and Dr.John W Carey M
81	3018	Cricket Highlight Generation: Automatic Generation Framework Comprising Score Extraction and Action RecognitionSangita Jaybhaye and Mrunal Mendgudle	Rajvi Parekh, Neel Kothari, Abhijit Saha, Priyansh Shah and Narendra Shekokar
82	0599	Autoscaling in Google Cloud Provider's	Sangita Jaybhaye and

		BigQuery for ShareChat Team	Mrunal Mendgudle
83	9556(Abtract)	A Research on Image Segmentation-Based Brain Tumor Recognition utilizing MRI Datasets	Laksita V S, Rohith P, Jeyaharish R, Hariprasath T and Krishnakumar S
84	0689	Analysis of energy efficient routing protocols using ANFIS and ANT Colony techniques on WBAN	Radhika Paturi, Rakhee Rakhee and Lindon Falconer
85	6784	The Prediction of Diabetes Using Machine Learning in the Health Care System	Ishaan Deep, Payaswini Singh, Biswa Ranjan Senapati and Rakesh Ranjan Swain
86	7327	Analysis and Prediction of Datasets for Deep Learning: A Systematic Review	Vaishnavi Deshmukh and Dr. Asha Ambhaikar
87	7946	Artificial Intelligence and Machine Learning in the fields of Education, Medical, and Smart Phones	Umamaheswararao Mogili and Aezeden Mohamed
88	0516	A Study on Modeling the Dopaminergic Pathways of Parkinson's Disease	Prabal Ghosh, Sreeja Sasidharan Rajeswari, Rohit P S and Manjusha Nair
89	0686	Heterogeneous resilient approach related to communication issues in the underwater sensor network	Suresh Wati, Nitin Rakesh and Parmanand Astya
90	8443	Air traffic Control High Frequency Communications Radio	John Kamit and Aezeden Mohamed
91	7131(Abtract)	A deep learning approach for biosignal compression with guaranteed reconstruction quality	Evangelin Dasan, Rajakumar Gnanaraj and Nelson Samuel Jebastin Jeyabalan
92	6541	Early detection of Analog circuit performance using RBF	Varghese M P and Muthumanickam T
93	8571	Comparative Analysis of Machine Learning Techniques for Air Quality Index Prediction for Indian Cities	Saptadeepa Kalita, Avinash Kumar, Tagba Zoukarneini Difaizi, Ouedraogo Pengdwende Leonel Camille and Alemnge Nadine
94	5488	Threats Detection of Ransomware Via Malicious String Analysis	Md Nahidul Alam, Avinash Kumar, Saptadeepa Kalita and Gaurav Raj
95	5704	Mutual Information Study of Modeled Neural Responses under Induced Neuronal Plasticity	Krishnanunni S, Sreedev Santhosh and Manjusha Nair
96	5706	Odd even: "a hybrid search technique based on	Kamal kumar gola

		bi-linear and jump search	
97	5838	Encoding and optimizing structured review for Recommendation system using Deeper Self attention	Devi Kannan
98	8763(Abstract)	An Architecture Design for Internet of Things(IoT) enabled 6G for Industrial Applications	Dr.Subrahmanyam Voore
99	1461	A Machine Learning based Study for the Prediction of Drug-Target Interaction using Protein and Drug Molecule Descriptors	Essmily Simon and Sanjay Bankapur