



International Conference on Industry 4.0 Technology (I4Tech2022)

Paper Presentation Schedule

Session ID - I Offline mode
23rd Sept 2022 3.00 pm to 6.00 pm
Room No 4304 A

Submission id	Title of the Paper	Name of the Authors *Registered Author
161	Building a UI based Tool for Configuration Management	Hitesh V Suryawanshi *, Pratiksha Deshmukh
162	Traffic Density Dependent Fine Tuning of Green Signal Timing for Faster Commute.	Saurabh N Shende*, Jibi Abraham, Ashwini Matange
189	Robust & Compact End-to-End Hindi Language ASR System	Hruturaj B Nikam *,Mahesh Bhargava, Pavan Dhote, Sanhita Patil, Sibadatta Sasmal, Lenali Singh, Swati Mehta, Ajai Kumar
242	Application of Federated Machine Learning in Manufacturing	Vinit Hegiste*, Tatjana Legler, Martin Ruskowski
317	Character Recognition on Forged Entities using AI	Karthik N Rao*, Raval Awale, Akshay Diwan, Shivraj M Rathod, Ajay Sharma
318	Aerial Object Detection and Tracking using YOLOv4 and DeepSORT	Rohit P Jadhav*, Rajesh Patil, Akshay Diwan, Shivraj M Rathod, Munawar Inamdar
319	Object Detection and Tracking for Autonomous Vehicle using AI in CARLA	Asmita S Mendhe*,Harish Chaudhari, Akshay Diwan, Shivraj M Rathod, Ajay Sharma
321	Detection and Localization of Target in Single Channel UWB System	Zohra Bano Bismillah Khan*,Rajesh Patil, Suryakant Rathod, Shivraj M Rathod, Ajay Sharma



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Session ID: 2A Artificial Intelligence and Machine Learning
Online 23rd Sept 2022 from 3.00 pm to 6.00 pm
Google meet

Submission ID	Title of the Paper	Name of the Authors *Registered Author
117	PhishSpy – A Phishing Detection Tool and Defensive Approaches	Asheesh Tiwari*, Vinayak Chaturvedi, Rajnish Kumar Gupta, Priyanshu Upadhyay
254	IoT Cloud Based system for Smart City Data Analysis	Ajay P*, Avinash Sharma, Santosh Reddy, Pratap Singh Patwal, Dankan Gowda V
138	ANN Based Multi-Stage Binary Classification Technique for Incipient Fault Diagnosis of Oil Immersed Transformer	Benish Jan*, Shaeen Parveen
144	Multimodal Representation Learning: Cross-modality and Shared Representation	Paul Mohan*, Brillely Batley C, Nippun Kumaar A A
180	Image enlargement scheme based on singular value decomposition and cubic spline interpolation through random numbers	Shivani Ranta*, Sandipan Gupta
241	Genetic Algorithm for feature selection in enhancing the hard disk failure prediction using artificial neural network	Siva Sai Preethi Gajula*, M Sobhana, Kancharla Bhanu Sujitha, Guttikonda Harsha Sri



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Session ID: 2B Artificial Intelligence and Machine Learning
Online 23rd Sept 2022 from 3.00 pm to 6.00 pm
Google meet

Submission ID	Title of the Paper	Name of the Authors *Registered Author
15	Linear Regression models-based housing price Forecasting	Amaresh Vulligadla*, Rajiv Ranjan Singh, Rajeev Kamal, Anant Kulkarni
16	Intrinsic Decision based Situation Reaction CAPTCHA for Better	Mohammad Umar*, Shaheen Ayyub
41	Deep Convolution neural network based classification of	Amit Vikrant Dhavale*, Sunita Vikrant Dhavale
51	Asha Early intervention for children at risk of ASD	*Tanvi Shetty, Vidya Zope, Maitraiyi Dandekar, Anmol Devnani, Puneet Meghrajani
54	Experimental analysis of stellar classification by using	Tanvi Mehta (Pimpri Chinchwad College of Engineering, Pune)*; Nishi Nitin Bhuta (Pimpri Chinchwad College Of Engineering); Dr. Swati Vijay Shinde (PCCOE)
68	Wavelet based bearing fault prognosis using machine learning	Jenin Koshy, N. Krishna Prakash, T Ananthan



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Session ID: 2C Artificial Intelligence and Machine Learning
Online 23rd Sept 2022 from 3.00 pm to 6.00 pm
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Submission ID	Title of the Paper	Name of the Authors *Registered Author
78	GECC-Net: Gene Expression based cancer classification using	Tulasi Raju Nethala, Bidush Kumar Sahoo, Pamadini Srinivasulu
248	Plant Disease detection by image processing in cluttered environment	Aiswarya K*, Sreekumar N R
291	Real Time violence detection from CCTV camera	Silva Deena J*, Md. Tabil Ahammed, Udaya Mouni Boppana, Maharin Afroj, Sudipto Ghosh, Sohaima Hossain, Priyadharshini Balaji
303	A prediction model for Rainstorm estimation using Deep Sea	Mohammadi Iram*, Jayashree Agarkhed
287	Implementation of Speech Enhancement Algorithms and its wireless Transmission	Bhushan Hemant Borse*, Rajshri Mahajan
298	Implementation of Speech Enhancement algorithms on Hardware platform	



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Session ID: 3 Cloud-Block Chain-Cloud Security
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Submission ID	Title of the Paper	Name of the Authors *Registered Author
251	Swaasthya Sampathee:Blockchain based HER framework	Naidila Sadashiv*, Vachana S G
264	ARP Spoof detection in Fat Tree Topology using Software	Shravani Sanjay Joshi*, Rajendrakumar A Patil
67	Intrusion Detection System for Bluetooth Mesh Networks using Machine Learning	Nishanth Sivanandam*, Ananthan T
165	Localization Technique using Bluetooth	Shubhangi Shankar Shankpale*, Ganesh Andurkar, Ravi Marravulla, Shivraj Jadhav, Kaushal Kishore
228	IOT enabled Smart Blind Stick and Spectacles Mountable Eye-Piece equipped with Camera for Visually Challenged People	Ram Dilip Mude*,Abhishek C Salunke, Chinmay C Patil, Ashwini Kulkarni
299	Algorithm for Satellite Internet-of-Things Networks using An Improved Ant Lion Optimization	Meenakshi*, Mandeep Singh



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Session ID: 4 Energy-Electrical
Online 23rd Sept 2022 from 3.00 pm to 6.00 pm
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Submission ID	Title of the Paper	Name of the Authors *Registered Author
49	SOC Estimation using Coulomb Counting and Fuzzy Logic in Lithium Battery	Akanksha Santosh Kumar, Prashant K Aher, S. L. Patil
128	Evaluation of the Effect of Shunt Compensation on an Agriculture Feeder in India - A Case Study	Irfan Isak Mujawar*; Anwar Mubarak Mulla
157	Ram Corruption in Level 3 Virtual Electronic Control Unit	ANKITHA M R*, Kalpana H M, Ritesh Goyal
174	Study of Energy and Power Consumption of Rough Set Theory unit on FPGA	Apurva Mohanrao Deshmukh*, Vanita Agarwal, V V Ingale
86	IMPLEMENTATION OF A 4X4 10T SRAM ARRAY USING DOMINO SCHMITT TRIGGER	ANCY JOY*, MEGHA ANN JOSEPH, JINSA KURUVILLA



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Session ID: 5 Artificial Intelligence and Machine Learning
Online 24th Sept 2022 from 10.00 am to 1.30 pm
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Submission ID	Title of the Paper	Name of the Authors *Registered Author
191	Developing a CAPL Test Script for Direct OSEK NM	Naveen M Budni*, Rajendrakumar A Patil, Azhar Karnalkar
213	Scope of EtherCAT implementation and various slave controller type	Harshit Mishra*,Lalit Mohan Saini
215	Explicate Toxicity By eXplainable Artificial Intelligence	Nakul Tanwar*,Jaishree Meena, Yasha Hasija
314	Tropical cyclone intensity classification using CNN	Kaustubh Y Funde*, Jai P Joshi, Renuka S Pawar, Jai Damani, Venkata Revanth Jyothula
136	Highly robust and efficient random feature coordination schema using DNN for melanoma Skin Cancer Detection	Amit Kumar*, Satheesha T Y
84	Efficient Verilog implementation of Neural Networks for Handwritten Character Recognition	Pratik Pradeep Kinikar*, Lakshmi Shrinivasan
245	Accurate 6-DOF grasp pose detection in cluttered environments using Deep Learning	Aniket Walchand Ghodake*, Prakash Uttam, Bharatkumar Ahuja



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Session ID: 6 Sensor-Automation-Robotic-Control
Online 24th Sept 2022 from 10.00 am to 1.30 pm
Google Meet

Submission ID	Title of the Paper	Name of the Authors *Registered Author
90	Performance Evaluation of Millimeter-wave Considering Rain Fade using NYUSIM Model	VISHAL DAHIYA*, ARVIND KUMAR
99	Electrical Power Steering for Autonomous Driving Cars	Niveditha M*, Latha H K E, Mohammed Khalad Badal
137	A Study of Gallium-Iron Compound Based Magnetostrictive Energy Harvester Subjected to Ambient Vibrations	Shamik Dasadhikari*, Arundhuti Halder, Riddhi Khatua, Debabrata Roy
170	Process Control and Automation for Flow Meter Calibration Rig	Sanket M Deshpande*, Akshay Ghadge
247	Automatic Robotic Arm Based on Bluetooth Regulated for Progressed Surgical Task	Satyamoorthi B*, Snehalatha Umamathy, Rajalakshmi T
256	Log-MelSpectrum and Excitation features based Speaker Identification using Deep Learning	Hema Kumar Pentapati*, Sridevi K
285	Detection of Adulteration In Milk Using Electrical Impedance Sensor	Lokesh Ramrao Supalkar, Ketaki Ghodinde, Uttam Chaskar



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Session ID: 7 Network-Wireless Sensor Network
Online 24th Sept 2022 from 10.00 am to 1.30 pm
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Submission ID	Title of the Paper	Name of the Authors *Registered Author
8	Performance Optimization and Analysis of energy efficient multipath routing protocols for Wireless Sensor Networks	Archana Ratnaparkhi*, Radhika Purandare, Aditya Rajput, Onkar Budrukkar, Kaustubh Venurkar, Shubham Bharti, Yusuf Dhiya, Rushikesh Pote
18	Direction Based-Improved Ant Based Routing Algorithm	*Varun Niraj Agarwal, Avaneesh Kanshi, Navneet Vinod Melarkode
36	Outage Analysis of NOMA based Non-Linear Energy Harvesting Cognitive D2D Network	*Pradeep Kumar, Abhijit Bhowmick
74	Throughput Analysis with Effect of Dimensionality Reduction on 5G Dataset using Machine Learning and Deep Learning Models	MITHILLES KUMAR P*; Supriya M.
89	SIC Error Impaired Cooperative NOMA-IoT Network: Throughput and Goodput Analysis	Bachan Pattima*
103	Design and Simulation of GPS (1.56-1.61GHz) RF Lattice and Ladder Type SAW Filter.	Samadhan S Waghmare, Vanita Agarwal, Vinay Kulkarni
105	3-DISJOINT PATH MULTISTAGE INTERCONNECTION NETWORK WITH LOW COST AND HIGH RELIABILITY	Vipin Sharma*, Abdul Q Ansari, Rajesh Mishra
257	An implementation of Energy Efficient Secured Routing Framework in WSN by Honey Badger Algorithm	Dingari Kalpana*, Ajitha P
261	Deployment of 5G Core for 5G Private Networks	Chinmay Sanjay Choudhari*, Rajendrakumar A Patil, Sunil Saraf



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Session ID: 8 Communication
Online 24th Sept 2022 from 10.00 pm to 1.30 pm
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Submission ID	Title of the Paper	Name of the Authors *Registered Author
45	HDL Design and Implementation of a Convolutional Neural Network for Efficient FPGA/Hardware Platforms	Lahari P L*, Siva Sankar Yellampalli, Ramesh Vaddi,
70	Half Wave Dipole Antenna Performance Parameter Measurement and Comparison at 900 and 1800 MHz Frequency	Amol Sonawane*, Dattaraya Bormane
229	FPGA Implementation of an Image Scalar Method for Multimedia Applications	Komal Gawale*, Pratibha Shingare, Mrinalini Pangaonkar
252	Design and Implementation of UWB MIMO Microstrip Antenna for Sub-6GHz 5G Communication	Amey A Surve*, Deeplaxmi V. Niture
274	A Dual-Frequency Antenna of Microstrip Characteristics having with Two Thin Symmetrical Rectangular Slots for Wireless Communication Application	S K Dash, Jyoti Ranjan Panda, Niten Kumar Panda*, Amit Bakshi, Bikash Kumar Behera, S N Mishra
308	Designing a Microstrip Band Pass Filter for 5G Applications	Chinmay Khedekar*, Deeplaxmi V. Niture, Vinay Kulkarni
324	Multiband Slot Antenna with DGP for Future Wireless Applications	Kiran Sonawane*, Pravin Patil