

Main Track Papers

PID	Title and Authors
6	Comparison of Malware Detection Techniques Using Machine Learning Algorithms <i>Vishal Kumar, Mitali Srivastava, Atul Kumar Srivastava, and Adarsh Kumar</i>
16	Deep Neural Based Machine Translation Using RNN for Indian Languages <i>Shashi Pal Singh, Ajai Kumar, and Kanishka Pundir</i>
19	Biometric Based Key Handling Using Variation to Scale Invariant Feature Transform amid COVID 19 Pandemic <i>Prabhjot Kaur and Nitin Kumar</i>
20	Improvising Encrypted Traffic Analysis Using Stacking Ensemble Model <i>Pavan P, M.A Saifulla, and Nemalikanti Anand</i>
21	Effective Encrypted Traffic Analysis <i>Nemalikanti Anand, M.A Saifulla, G Raja Ashok Reddy, and Pavan P</i>
27	Event Tracking and Analysis in Social Text Stream <i>Tajinder Singh, Madhu Kumari, Amar Nath, Rajeev Kumar Bedi, Nikolai Siniak</i>
39	Enhancing Negotiation Flexibility of Smart Contract in Hyperledger Framework <i>Ashis Kumar Samanta and Nabendu Chaki</i>
40	FusedNet: A Fusion of Time Series and Imaging based Human Activity Recognition Using ResNet <i>Priyanka Dhanasekaran, Geetha A V, T Mala</i>
41	Bengali Document Clustering: A Comparative Study of K-means, K-means++, Spectral K-means <i>Amartya Roy, Kamal Sarkar, and Chintan Mandal</i>
42	Towards an Intelligent Nature-Inspired Optimization Framework for Managing Healthcare Big Data <i>Sujit Bebornta, Surajit Mohanty, Soumya Snigdha Mohapatra, and Dilip Senapati</i>
45	A Solar Power-enabled and LoRa-based Smart Irrigation and Monitoring System <i>Abhishek Jha, Kartik Goyal, Nalin Semwal, Gaurav Singal, and Abhinav Tomar</i>
52	Identification of Social Bots in Online Social Networks using Filter Based Feature Selection Approach <i>Monalisha Sahoo, Smrutisrita Samal, Sanjukta Mohanty, and Arup Abhinna Acharya</i>
64	Hybrid Machine Learning Framework for Network Intrusion Detection in IoT-based Environments <i>Sujit Bebornta, Shiba Charan Barik, Ladu Kishore Sahoo, Soumya Snigdha Mohapatra, and Dilip Senapati</i>
65	An Intelligent Diagnostic System for Type-2 Diabetes Mellitus <i>Abhilash Pati, Manoranjan Parhi, Binod Kumar Pattanayak, Swadhin Kumar Barisal, and Gayatri Nayak</i>
68	Depiction of Nifty Midcap Index Efficiency Using ARIMA <i>Balaji A and Lavanya B</i>

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72	Human-machine Interactions and Agility in Software Development <i>Somesh Kumar Sahu, Kiran Muloor, Debabrata Samanta, Priyatharshini Rajaram , and Sandeep Singh Sengar</i>
73	MathBERTRes: Mathematical BERT Model for Sequence Classification of Mathematical Research Articles <i>M. Srivani, Abirami Murugappan, and Mala T</i>
74	Distributed Cloud Storage Using Blockchain and Cryptographic Algorithms <i>Eliganti Ramalakshmi, Kratika Sharma, Kalyan Talla, Aravind Chitikela, and Adithi Madduluri</i>
77	Integration of Classical and Quantum Network Simulator: NS-3 with NetSquid <i>Aftab Hussain, M. A. Saifulla, and Nemalikanti Anand</i>
78	Fuzzy Logic Based Crop Diversification to Increase Crop Yield <i>S Divya Meena, Pokala Rama Meghana, Chennareddy Sai Sindhu, Kopparla Varshuni, Chittemreddy Gnanendar Reddy and J Sheela</i>
80	Application of Machine Learning in Software Testing of Health-care Domain <i>Pragya Jha, Madhusmita Sahu, and Sukant Kishoro Bisoy</i>
81	A System for Driver Drowsiness Detection Using Deep Learning <i>Shekharesh Barik, Bhabani Prasad Barik , Soumil Dhar, and Ramesh Kumar Mohapatra</i>
92	Music Recommendation Model based on Emotion Detection Using Pulse Rate and Stress Measurement <i>Debdutta Burman Roy , Akash Das, Debojyoti Bhuiyan and Subhomoy Ganguly</i>
100	Exploratory Data Analysis on Shopping Mall Customers' Dataset: A Case Study of Marketing Analysis <i>K.P.Swain, S.Misra, S.Barik, S.R.Samal and D. Sahoo</i>
101	MedChain-Block Chain Based Health Care Management System <i>Niti Dey, Debdutta Pal and Ditipriya Sinha</i>
104	A Systematic Literature Review on Social Network Security Challenges and Solutions <i>Ashwini.M.Chalawadi and Swetha .Indudhar.Goudar</i>
106	Detection of Arrhythmia from ECG Signal Using Bat Algorithm Based Deep Neural Network <i>K. Rupabanta Singh, Sujata Dash, and Atta-ur-Rahman</i>
107	Digital Soil Texture Classification Using Machine Learning Approaches <i>Sharmila G , Kavitha Rajamohan</i>
108	Pneumocystis Jirovecii Fungi Detection Using Microscopy Image: A Deep Learning Approach <i>Neha Sengar, Tanushree Pan, Soumyajit Das, Karam Bharat Singh, and Subhas Chandra Misra</i>
110	An Intelligent Diabetes Prediction System Augmenting Feature Selection and Balancing Techniques <i>Sourav Kumar Giri, Sujata Dash, Tapaswini Sahoo</i>
112	Designing a System Using Features Selection Based on Filter Methods and XGBoost Classifier for Detecting Intrusion in Cloud <i>Mhamad Bakro, Rakesh Ranjan Kumar, Sukant K. Bisoy, Mohammad Osama Addas, and Dania Khamis</i>

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113	Energy Proficient Adaptive Queuing Model Based Clustering Scheme for improving Network Lifetime in Wireless Sensor Networks <i>J. Sengathir, M. Deva Priya, A. Christy Jeba Malar, Suma Sira Jacob</i>
119	Performance Evaluation of SDN Assisted Fog Computing System with State Dependent Service <i>M R Mishra, Veena Goswami, S S Patra, and R K Barik</i>
120	Automating Temperature Recording at Ferrocast Industry <i>Swetha Indudhar Goudar, Furkhan Mannasaheb, Aditya Chatterjee, Saiesh Naik, Suchet C</i>
122	Stereo Image Transformation Employing Novel View Synthesis <i>Gouri Dumale, Saloni Shah, and Rajashri Khanai</i>
123	AlphaAR: An Augmented Reality Based Intelligent Learning Platform for Preschool Children <i>Soumyajit Das, Karam Bharat Singh, Neha Sengar, Tanushree Pan, Subhas Chandra Misra</i>
127	Snow Leopard Optimization Algorithm-based Energy Efficient Cluster Head Selection in Internet of Things <i>N. Arunachalam, J. Sengathir, and M. Deva Priya</i>
128	A Hybrid Approach of Image Segmentation for Medical MR Images using SMKFCM and Genetic Algorithm <i>J. Meheena, S. Mishra, N.R. Samal, P.C. Pradhan, and L. Pattanaik</i>
129	SQL Injection Attack Detection Using Machine Learning Techniques <i>Abeer Alkhalaf, Bassel Alkhatib, and Safwan Ghanem</i>
138	Empirical Validation of Deep Learning Based on Image Captioning Models <i>Priya Singh and Ashish Verma</i>
140	Analysis of Differential Evolution Optimization Based Cascade Controller for Frequency Regulation of Power System <i>Pratap Chandra Pradhan, Rabindra Kumar Sahu, Manoj Kumar Kar, Jibanananda Meheena, Sushanta Kumar Sethy, and Nayan Ranjan Samal</i>
141	Fog and Edge Computing Based Smart Health Care System Using Machine Learning <i>Subhranshu Sekhar Tripathya, Mamata Rathb, NivaTripathy, and Sujit Beborotta</i>
197	Analysis and Characteristics of Physically Unclonable Functions <i>Aishwarya Bhattacharya, Kartik Agarwal, Mohit Ranjan Panda</i>
199	Intelligent Fake News Detection Model Using Machine Learning Techniques <i>P. Anantha Prabha, M. Deva Priya, S. Harish, S. Kavin Prabhu, and S. Kiran Kumar</i>
205	Detection of Diabetic Retinopathy Severity by Image Classification using a Hybrid Model and Attention Mechanism <i>Bhargava Satya Nunna and Ashutosh Tiwari</i>
222	Pneumonia Identification and Classification using CNN Model based on Chest X-Ray Image in Healthcare <i>Suraj Kumar and Shiva Prakash</i>
225	Ticket Classification Using Machine Learning <i>Phani Krishna Kollapur Gandla and Rajesh Kumar Verma</i>

232	A Delay Compensation Approach for IoT-enabled PID Controller using MATLAB/Simulink <i>Padmaja Mishra, Ajay Kumar Yadav, and Rajesh Kumar Patjoshi</i>
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Special Session Papers

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34	SMARTEN: A Multiscale Simulation Software Dedicated to the Education and the Research for Energy-mix Management Applied in the Built Environment <i>Ando Ny Aina Randriantsoa, Damien Ali Hamada Fakra, Jean Claude Gatina, Allaoua Soudani, and Riad Benelmir</i>
66	A Low Power DC-DC Buck Converter with Improved Light Load Efficiency Utilizing Pulse Skipping Mode for a 2.5GHz Microwave Signal Source <i>Ryann A. Alimuin, Shearyl U. Arenas, and Jennifer B. Enriquez</i>
133	Ecommerce Security Issues for SMEs: A Systematic Literature Review <i>Zaldy Gunawan, Edi Abdurachman, Benfano Soewito, Ford Lumban Gao</i>
137	Prospecting 5G in the Mauritian Market through the Diffusion of Innovation <i>Nirmal Kumar Betchoo</i>
195	Augmented Reality in Healthcare: A Review <i>Mahfara Hoque, Sohana Farhad, Supriya Dewanjee, Zulfikar Alom, and Mohammad Azim</i>
204	RERL Circuits Design Using Adiabatic Technique <i>Sharii Jahani C.S and Hardeep Kumar</i>
214	Educational Robots as a New Instructional Tool for Teaching and Learning and its Integration in Educational Setting in Mauritius. <i>Bushra Khoyratty and Normada Devi Bheekharry</i>
217	A Goal Oriented Approach to Hybrid Learning in Higher Education through the Use of the Ecosystem Model: A Case Study <i>Shameera Lauthan and Krishnah Moortee Saurty</i>
223	Influence of COVID-19 on Talent Management: Perceptions of HR Specialists in Mauritius <i>Swaleha Peeroo and Priya Devi Gunesh</i>
228	Framework for Health Care Services Delivery under the Deteriorated System of Government in Kenya: An Empirical Review of Literature <i>Emmanuel Awuor, Vaibhav Patil, and Kalyan Kumar Sahoo</i>