Main Track 1: Advanced Computing

PID	Title and Authors
1	Forecasting Price of Indian Stock Market Using Supervised Machine Learning Technique *Mohit Iyer and Ritika Mehra*
15	Speaker Recognition using Noise Robust Features and LSTM-RNN *Mohit Dua, Pawandeep Singh Sethi, Vinam Agrawal, Raghav Chawla*
21	Brain tumor segmentation using random walks from MRI images *Shiv Naresh Shivhare and Nitin Kumar*
27	Factors accountable for diabetes using artificial intelligence in medico-care *Karuna Babber1 and Shruti Wadhwa*
33	An Evaluation of Deep Learning Networks to Extract Emotions from Yelp Reviews *Yasser Chuttur, Leevesh Pokhun*
45	Classification of Brain Tumor MRIs using Deep Learning and Data Augmentation *Gulshansingh Bhagbut1 and Zahra Mungloo-Dilmohamud*
53	Deep Neural Network Optimization For Handwritten Text Recognition *Chahat Goel, Aishwarya Chaudhary, S. Indu, Sudipta Majumdar*
60	Consolidating Online Real Estate Data Using Image Analysis and Text Processing *Yasser Chuttur, Haydar Mahadooa*
67	Time Series Visualization of Customer Emotions Using Artificial Neural Network *Yasser Chuttur, Nandishta Rawoteea*
88	Sentiment Analysis Using Deep Learning for Recommendation in e-Learning Domain *Rawaa Alatrash, Hadi Ezaldeen, Rachita Misra, and Rojalina Priyadarshini*
103	Selection of Best K of K-Nearest Neighbors Classifier for Enhancement of Performance for the Prediction of Diabetes *Subhash Chandra Gupta and Noopur Goel*
109	Phishing Website Prediction a Machine Learning Approach *Anjaneya Awasthi, Noopur goel*
111	COVID-19 Sentimental Analysis Using Machine Learning Techniques *Chhinder Kaur and Anand Sharma*
140	Multimodal Music Mood Classification Framework for Kokborok Music *Sanchali Das, Sambit Satpathy, Swapan Debbarma*
146	Forecasting of Daily Demand's Order Using Gradient Boosting Regressor *Tansif Anzar*
161	Improving Impulse Noise Classification Using Ensemble Learning Methods *Kunaraj K, Maria Wenisch S, Balaji S, Jenifer Suriya LJ, Jerlin A, and Robert Rajkumar S*
166	Image Data Preservation with Fractional Sine Transform and Dual Chaotic Sequence *Sharad Salunke, Venkatadri M., Md. Farukh Hashmi, Bharti Ahuja*
169	Enhancing Deep Learning Capabilities with Genetic Algorithm for Detecting Software Defects *Kajal Tameswar, Geerish Suddul and Kumar Dookhitram*
172	Application of Classifier for Breast Cancer Cell Detection *Ashutosh Mishra, Unnati Mantry, Dibyasha Garhnayak, Sourav Panda, Rasmita Rautray, Rasmita Dash, Rajashree Dash*
185	Apriori-backed Fuzzy Unification and Statistical Inference in Feature Reduction: An Application in Prognosis of Autism in Toddlers *Shithi Maitra, Nasrin Akter, Afrina Zahan Mithila, Tonmoy Hossain4, and Mohammad Shafiul Alam*
188	Developing a Framework for Generating Hotel Recommendation *Md. Shafiul Alam Forhad, Mohammad Shamsul Arefin*
190	Rumor Source Identification on Social Networks: A Combined Network Centrality Approach *Abhijit Das, and Anupam Biswas*
191	Sentiment Polarity Detection on Bengali Book Reviews Using Multinomial Naïve Bayes *Eftekhar Hossain, Omar Sharif and Mohammed Moshiul Hoque*

PID	Title and Authors
193	Real-time Facial Emotions Analysis in Videos *Babajee Phavish, Suddul Geerish, Armoogum Sandhya and Foogooa Ravi*
197	An Extended Genetic Algorithm based Prevention System against DoS/DDoS Flood attacks in VoIP Systems *Sheeba Armoogum and Nawaz Mohamudally*
211	Entropy based Cluster Selection *Arko Banerjee, Arun K. Pujari, Chhabi Rani Panigrahi, and Bibudhendu Pati*
213	Human Activity Recognition using Machine Learning: A Review *Ankita Biswal, Sarmistha Nanda, Chhabi Rani Panigrahi, Sanjeev K Cowlessur, Bibudhendu Pati*

Main Track 2: Intelligent Engineering

PID	Title and Authors
19	Ensuring Secure Communication from an IoT Edge Device to a Server through IoT Communication Protocols *Roshni Vidya S. Boolakee, Sandhya Armoogum, Ravi Foogooa, Geerish Suddul*
43	A QoI Assessment Framework for Participatory Crowdsourcing Systems *Ashley RAJOO, Kavi Kumar KHEDO, Utam Avinash Einstein MUNGUR*
66	An Approach to Personalize VMware vSphere Hypervisor (ESXi) using HPE Image Streamer *Richa, Jyoti Singh*
68	A proposed IoT architecture for corals research using AI and Robotics *Wafiik Aumeer, Nabeelah Pooloo, and Rajeev Khoodeeram*
82	Study on Voice Password Based Secured Communication using RSA and ElGamal Algorithm *Prashnatita Pal, Bikash Chandra Sahana, Sagnik Ghosh, Jayanta Poray, Amiya Kumar Mallick*
89	UD-RMM: A Remote Monitoring and Management Tool using PowerShell Universal Dashboard for Universities *Pranav N and Jayavignesh T*
99	Performance and Resource aware Virtual Machine Selection using Fuzzy in Cloud Environment *Vikas Mongia and Anand Sharma*
128	Redefining Data Dimensionality through Dynamic Linkages in Data-Space Continuum *Benard Alaka and Bernard Shibwabo Kasamani*
129	Implementation of Encryption Techniques in Secure Communication Model *Md. Sharif Hossen, Md. Shakhaowat Hossen*
143	A Group Decision Making Problem involving Fuzzy TOPSIS Method *Prashanta Kumar Parida*
149	IoT based Smart Intravenous Drip Monitoring System *Muskan Jindal, Nidhi Gajjar, Nehal Patel*
153	Cryptanalysis of Lightweight Ciphers using Metaheuristics *Seeven Amic, K.M. Sunjiv Soyjaudah, and Gianeshwar Ramsawock*
157	Product Classification in E-Commerce Sites *Anannya Patra, Vivek V,* *Shambhavi BR, Sindhu K and Balaji S*
158	Real time detection of inter-frame video forgeries in surveillance videos *Kshitij Saluja, and Naveen Aggarwal*
176	An IoT Based System Architecture for Environmental Monitoring *Binod Kumar Pattanayak, Deojeet Nohur, Sanjeev K Cowlessur, and Rajani Kanta Mohanty*
177	Performance Evaluation of VM Allocation Strategies on Heterogeneous Environments in Cloud Data Center *Rajni Garg, Indu Arora, and Anu Gupta*
182	QSens: QoS-aware Sensor Node Selection in Sensor-Cloud Architecture *Arijit Roy, Sudip Misra, and Aditya Kotasthane*
187	Introduction to Adjacent Distance Array with Huffman Principle: A new Encoding and Decoding Technique for Transliteration Based Bengali Text Compression

	Pranta Sarker and Mir Lutfur Rahman
189	BSAT: A New Tool for Analyzing Cryptographic Strength of Boolean function and S-Box of Symmetric Cryptosystem *Pratap Kumar Behera and Sugata Gangopadhyay*
195	Sorted Galloping Prevention Mechanisms against Denial of Service Attacks in SIP-based Systems *Sheeba Armoogum1 and Nawaz Mohamudally*
206	Performance Enhancement and Reduce Energy Consumption with Load Balancing Strategy in Green Cloud Computing *Hitesh A. Bheda, Chirag S. Thaker, and Darshan B. Choksi*
208	A Framework for Secure Communication on Internet of Things (IoT) *Mohammad Reza Hosenkhan, Binod Kumar Pattanayak*

Special Session 1: Sustainable Development and engineering

PID	Title and Authors
42	Teaching and Learning Concepts of Audio Modulation Using Tangible User Interfaces *Ah-Kwet Rémi Wong Suk Hee, Hadija Ramadhani Halfani and Girish Bekaroo*
56	Performance Investigation of Dipole and Moxon Antennae for VHF Communication *Akshay Jain, Pranay Chavan, Pratik Maradiya and Kiran Rathod*
58	Cloud Computing Load Balancing Using Amazon Web Service Technology *Nagarjuna Hota and Binod Kumar Pattanayak*
59	New Management Algorithms for Smart Electricity Network: Designing and Working Principles *Ando Ny Aina Randriantsoa, Damien Fakra, Manitra Pierrot Ranjaranimaro, Mohamed Nasroudine Mohamed Rachadi, and Jean Claude Gatina*
62	Analyzing Key Barriers for Adoption of Digitalization in Indian Construction Industry: A Case Study *Avirag Bajpai, Subhas Chandra Misra*
63	Improved Peak-to-Average Power Ratio Reduction Method for OFDM/OQAM System *Sandeep Kumar V*
69	Implementation of a Smart Parking System for a University Campus *M. Saheer Jhugroo, M. Shahil Kataully, Soulakshmee D. Nagowah*
83	High-resolution wind speed mapping for the island of Mauritius using Mesoscale Modelling *Tyagaraja S.M. Cunden and Michel R. Lollchund*
94	Analysis of wind energy resources for the island of Mauritius using concepts of thermodynamics *Tyagaraja S.M. Cunden, Naafeera B.R. Abdel Hassan and Michel R. Lollchund*
101	Design and FPGA Implementation of an efficient 8 X 8 Multiplier using the principle of Vedic Mathematics *Smitha Bhat Kaje, Jagadish Nayak*
114	Fault Detection and Isolation in a Leaky Water Distribution Network using Fuzzy Logic Control based on Residual Pressure Analysis *Lekhramsingh Latchoomun,Tsiatsipy Durand Brunel*
167	Robo-friend: Can a Social Robot Empathize with Your Feelings Effectively? *Eshtiak Ahmed, Ashraful Islam, Atiqul Islam Chowdhury, Mohammad Masudur Rahman, Shahnaj Chowdhury, and Md Imran Hosen*

Special Session 2: Management and Banking

PID	Title and Authors
10	Using Stakeholder Expectations and Perceptions to Guide the Brand Refresh of a Tropical Airline *Vimi Neeroo Lockmun-Bissessur, Swaleha Peeroo, David Savy*
11	An analysis of communication strategies of fast food outlets on social media in Mauritius *Swaleha Peeroo, and A Mooznah Auleear Owodally*
25	Factors affecting Task Allocation and Coordination in Distributed Agile Software Development *Chitra Nundlall and Soulakshmee D. Nagowah*
30	Optimising Recruitment Process within Businesses: Predicting Interview Attendance using C4.5 Algorithm *Shivianee Sandhip Laldjee, Chiamaka Ann Marie Ajufo and Girish Bekaroo*
51	Training Engineers as drivers of e-learning in a university *Nirmal Kumar Betchoo*
52	Using Scratch software as a teaching-learning tool in French language classes: a case study at Université des Mascareignes (Mauritius) *Neelam Pirbhai-Jetha*
93	Improving Fraud Detection Mechanism in Financial banking Sectors Using Data Mining Techniques *Hanan Hamdan AL-Abri, Basant Kumar , Joseph Mani*
95	Digital Learning For Millenials: IT in Eduation and/or IT for Education *Neelam Pirbhai-Jetha, Pascal Boncoeur, and Normada Bheekharry*
96	Supply chain management -marketing integration a key element in the digital era *Normada Devi Bheekharry*
102	Bank Customer's Credit Score Prediction Using Feature Selection and Data Mining Algorithm *Durgesh Kumar Singh and Noopur Goel*
209	The use of WhatsApp platform as an educational tool during confinement period of the outbreak of Covid-19. *Nundini Devi Akaloo*