TECHNICAL SESSION SCHEDULE

Session Name: **TS:1: Applications of Machine Learning**
Date: **11/12/2021 (Day 1)**
Time: **03.30 pm – 05.00 pm**
Session Chair :
1. Dr. S. Vimal (Ramco Institute of Technology, Tamilnadu)
2. Dr. Jagadeesh Kakarla (IIITDM Kanchipuram)
Co-ordinator: Mr. L. V. Satyanarayan

Paper Id	Paper Title	Authors	Presenting Author
2	Multi-sensor data fusion for Occupancy detection using Dempster-Shafer Theory	Sunanta Sarkar, Amit Ghosh, **Sankhadeep Chatterjee**	**Sankhadeep Chatterjee**
15	Detection of Insider Threats Using Deep Learning: A Review	Lavanya P, **Shankar Sriram V S**	**Shankar Sriram V S**
16	An Incisive analysis of Advanced Persistent Threat detection using Machine learning Techniques	Vishnu Priya M K, **Shankar Sriram V S**	**Shankar Sriram V S**
99	Performance Evaluation of Machine Learning Algorithms to Predict Breast Cancer	S.Siva Sunayna, **S.N.Thirumala Rao**, M.Sireesha	**S. N. Thirumala Rao**
137	Ensemble machine learning approach to detect various attacks in a distributed network of vehicles	Aparna Pramanik and **Asit Kumar Das**	**Aparna Pramanik**
182	Identification of Heart Failure in Early Stages using SMOTE integrated Ada-Boost Framework	B. Kameswara Rao, U D Prasan, Mokka.Jagannadha Rao, Rajyalaxmi Pedada**, Pemmada Suresh Kumar**	**B. Kameswara Rao**
186	Efficient approximate multipliers for Neural Network applications	**Zainab Aizaz**, Kavita Khare and Aizaz Tirmizi	**Zainab Aizaz**
190	Explainability of Deep Learning Based System in Healthcare	**Shakti Kinger** and Vrushali Kulkarni	**Shakti Kinger**
221	CatBoosting approach for anomaly detection in IoT based smart home environment	**Dukka Karun Kumar Reddy**, H.S Behera	**Dukka Karun Kumar Reddy**

Session Name: **TS:2: Handling COVID-19 with Intelligent Computing** Date: **11/12/2021 (Day 1)** Time: **03.30 pm – 05.00 pm** **Session Chair:** **1. Dr. H. S. Behera** (VSSUT, Burla) **2. Dr. Swati V. Shinde** (PCCoE, Pune, India) **Co-ordinator: Mr. B. Ramesh**			
Paper Id	**Paper Title**	**Authors**	**Presenting Author**
11	An Automated System for Facial Mask Detection and Social Distancing During Covid - 19 Pandemic	**Rutuja Rashinkar**, Swapnil Rokade, Pragati Janjal, Gauri Pawar, Swati Shinde	**Rutuja Rashinkar**
51	A Novel Automated Human Face Recognition and Temperature Detection System using Deep Neural Networks - FRTDS	**Varalatchoumy M**, Pranav Durai	**Varalatchoumy M**
60	Face Recognition: A Review and Analysis	**Amit Verma**, Aarti Goyal, Nitish Kumar, Hitesh Tekchandani	**Amit Verma**
62	COVID-19 Time Series Prediction and Lockdown Effectiveness	Rajdeep Biswas and **Soumi Dutta**	**Rajdeep Biswas**
121	Decision Making on Covid-19 Containment Zones' Lockdown Exit Process using Fuzzy Soft Set Model	**R.K. Mohanty**, B.K. Tripathy and Sudam Ch. Parida	**R.K. Mohanty**
140	Investigating the impact of COVID-19 on important economic indicators	**Debanjan Banerjee,** Arijit Ghosal Imon Mukherjee	**Debanjan Banerjee**
144	Social Distance Monitoring and Face Mask Detection Using Deep Learning	K. Yagna Sai Surya, T. Geetha Rani, and **B. K. Tripathy**	**K. Yagna Sai Surya**
184	Sentimental Analysis of Streaming Covid-19 Twitter Data On Spark-Based Framework	**Preethi S P**, Radha Senthilkumar	**Preethi S P**
193	A Hybrid MSVM Covid-19 Image Classification Enhanced With Swarm Feature Optimization	**Bhupinder Singh,** Ritu Agarwal	**Bhupinder Singh**

Session Name: **TS:3:IoT & Cloud driven Intelligent Computing** Date: **11/12/2021 (Day 1)** Time: **03.30 pm – 05.00 pm** **Session Chair :** **1. Dr. Diptendu Sihna Roy (NIT, Meghalaya)** **2. Dr. Motahar Reza (GITAM University, Hyderabad)** **Co-ordinator: Mr. M. Yugander**			
Paper Id	**Paper Title**	**Authors**	**Presenting Author**
58	A Novel BFS and CCDS based Efficient Sleep Scheduling Algorithm for WSN	**B. Srinivasa Rao**	**B. Srinivasa Rao**
75	The Impact of UV-C Treatment on Fruits and Vegetables for quality and Shelf Life Improvement using Internet of Things	**Sneha N**, Bhagya M Patil	**Sneha N**
105	Topology Dependent Ant Colony Based Routing Scheme for Software-Defined Networking in Cloud	Shylaja B S, **Deepu S R** and Bhaskar R	**Deepu S R**
130	Deep Learning on landslides: An examination of the potential commitment an expectation of danger evaluation in sloping situations	**J. Aruna Jasmine**, C. Heltin Genitha	**J.Aruna Jasmine**
145	An Effective VM Consolidation Mechanism by using the Hybridization of PSO and Cuckoo Search algorithms	**Sudheer Mangalampalli**, Pokkuluri Kiran Sree, SSSN Usha Devi N, Ramesh Babu Mallela	**Sudheer Mangalampalli**
189	Prediction of Dynamic Virtual Machine (VM) Provisioning in Cloud Computing using Deep Learning	Biswajit Padhi, **Motahar Reza**, Indrajeet Gupta, Poorna Sai Nagendra, Sarath S Kumar	**Motahar Reza**
199	Design of Intelligent Framework for Intrusion Detection Platform of Internet of Vehicles	**Ch. Ravi Kishore**, D. Chandrasekhar Rao, Janmenjoy Nayak, H.S. Behera	**Ch. Ravi Kishore**

Session Name: **TS:4: Intelligent techniques for Image and Video Analysis**
Date:**12/12/2021(Day 2)**
Time: **11.30Noon – 1:00pm**
Session Chair :
1. Dr Soumya Ranjan Nayak (Amity University, Noida)
2. Dr Srinivas Prasad (GITAM University, Visakhapatnam)
Co-ordinator: Mr Ch. Ravikishore

Paper Id	Paper Title	Authors	Presenting Author
23	Intelligent Computing Systems For Diagnosing Plant Diseases	**Maitreya Sawai**, Sameer More, Prasanna Nagardhane, Subodh Pandhare, Manjiri Ranjanikar	**Maitreya Sawai**
35	Multimodal MRI Analysis for Segmentation of Intra-tumoral Regions of High-Grade Glioma using VNet and WNet based deep models	**Sonal Gore1**, Prajakta Bhosale, Ashley George, Ashwin Mohan, Prajakta Joshi, Anuradha Thakare	**Sonal Gore**
37	Early Onset Alzheimer Disease Classification using Convolution Neural Network	Happy Ramani and **Rupal A. Kapdi**	**Happy Ramani**
44	Deepfakes for Video Conferencing Using General Adversarial Networks (GANs) and Multilingual Voice Cloning	**Jayesh Shelar**, Dipak Ghatole, Mayank Pachpande, Dhanashree Bhandari, S.V Shinde	**Jayesh Shelar**
98	A Deep Learning based Classifier for Remote Sensing Images	**Soumya Ranjan Sahu**, Sucheta Panda	**Soumya Ranjan Sahu**
107	On Computational Complexity of Transfer Learning Approaches in Facial Analysis	Alexandra-Ștefania Moloiu, Grigore Albeanu, and **Florin Popențiu-Vlădicescu**	**Florin Popențiu-Vlădicescu**
143	Classification of tumorous and non-tumorous brain MRI images based on a deep-convolution neural network model	**Debkumar Chowdhury**, Sanjukta Mishra, Sonu Kumar, Shiwam Kumar Prasad, Sourav Kumar Mandal, Gourab Biswas, Devesh Sharma, Vishal Lohia, Kartik Sau	**Debkumar Chowdhury**
198	A Novel Image Falsification Detection Using Vision Transformer (Vi-T) Neural Network	**Manikyala Rao Tankala**, Ch.Srinivasa Rao	**Manikyala Rao Tankala**
219	Breast Cancer Mammography Identification with Deep Convolutional Neural Network	**Pandit Byomakesha Dash**, H. S. Behera, Manas Ranjan Senapati	**Pandit Byomakesha Dash**

| Session Name: **TS:5: Intelligent Text Mining** |
| Date:**12/12/2021(Day 2)** |
| Time: **11.30Noon – 1:00pm** |
| Session Chair : |
| **1. Dr. Asit Kumar Das (IIEST, Shibpur)** |
| **2. Dr. Varun Menon (SCMS School of Engg. & Technology, Kerala)** |
| **Co-ordinator: Mr M. Stalinbabu** |

Paper Id	Paper Title	Authors	Presenting Author
6	Sentiment Analysis: A Recent Survey with Applications and a Proposed Ensemble Algorithm	**Srishti Jain**, Vishal Gupta	**Srishti Jain**
50	Topic Evolution Model for Interactive Information Search	**Harshal Adhav**, Vikram Singh	**Harshal Adhav**
83	Disaster Event Detection from Text: A Survey	**Anchal Gupta**, Monika Rani, Sakshi Kaushal	**Anchal Gupta**
109	Adaptive Classifier Using Extreme Learning Machine for Classifying Twitter Data Streams	**Arun Manicka Raja M**, Swamynathan S, Sumitha T	**Arun Manicka Raja M**
136	The Good, The Bad, and The Missing: A Comprehensive Study on the Rise of Machine Learning for Binary Code Analysis	Priyanga S, Roopak Suresh, Sandeep Romana, **Shankar Sriram V S**	**Shankar Sriram V S**
174	A Concise Review on Automatic Text Summarization	**Dishank Jani**, Nehal Patel, Hemant Yadav, Sanket Suthar, Sandip Patel	**Dishank Jani**
213	Identification of Malicious access in IoT Network from Connection Traces by using Light Gradient Boosting Machine	Etuari Oram, **Bighnaraj Naik**, Manas Ranjan Senapati	**Etuari Oram**

Session Name: **TS:6:Advances in Intelligent Simulation & Modeling** Date:**12/12/2021(Day 2)** Time: **03:00pm –04:30pm** **Session Chair :** **1. Dr. Manohar Mishra (SOA University, Bhubaneswar)** **2. Dr. P. Sirish Kumar (AITAM, Tekkali)** **Co-ordinator: Mr. P. B. Byomokesha**			
Paper Id	**Paper Title**	**Authors**	**Presenting Author**
38	A Study on evaluating the performance of Robot Motion using Gradient Generalized Artificial Potential Fields with obstacles	**Syed Muzamil Basha**, Syed Thouheed Ahmed, Naif K. Al-Shammari1	**Syed Muzamil Basha**
63	Performance Evaluation of Electrogastrogram (EGG) Signal Compression for Telemedicine Using Various Wavelet Transform	**Gokul M,** Sameera Fathimal, M Jothiraj S, Pradeep Murugesan	**Gokul M**
78	Whale optimization algorithm based optimal power flow to reduce generation cost	T.Papi Naidu,**Venkateswararao B**, G.Balasubramanian	**Venkateswararao B**
94	Context Adaptive Content-Based filtering Recommender System based on Weighted Implicit Rating Approach	**Navin K**, M.B. Mukesh Krishnan	**Navin K**
187	Explainable AI (XAI) for Social Good": Leveraging AutoML to assess and analyze vital potable water quality indicators	Prakriti Dwivedi, **Akbar Ali Khan**, Sareeta Mudge, Garima Sharma	**Akbar Ali Khan**
211	Autonomous Vehicles: A survey on Sensor Fusion, Lane Detection & Drivable Area Segmentation	**Tejas Morkar**, Suyash Sonawane, Aditya Mahajan, Swati Shinde	**Tejas Morkar**

Session Name: **TS:7:Computational Intelligence with Data Mining**
Date:**12/12/2021(Day 2)**
Time: **03:00pm –04:30pm**
Session Chair :
1. Dr. Sunanda Das (Jain University, Bangalore)
2. Dr. Shrikant V. Soneker (J. D. College of Engineering, Nagpur)
Co-ordinator: Mr. Ch. Ravikishore

Paper Id	Paper Title	Authors	Presenting Author
43	Exploratory Analysis of Kidney Disease Dataset – A Comparative Study	**Aniket Muley**, Sagar Joshi	**Aniket Muley**
77	Modeling and Forecasting Stock Closing Prices with Hybrid Functional Link Artificial Neural Network	**Subhranginee Das,** Sarat Chandra Nayak, Biswajit Sahoo	**Subhranginee Das**
80	An Artificial Electric Field Algorithm and Artificial Neural Network-Based Hybrid Model for Software Reliability Prediction	**Ajit Kumar Behera**, Mrutyunjaya Panda, Sarat Chandra Nayak, Ch. Sanjeev Kumar Dash	**Ajit Kumar Behera**
138	Predictive Analytics of an Engineering and Technology Admissions	**Sachin Bhoite,** Punam Nikam, Ajit More,	**Sachin Bhoite**
146	Customer Segmentation via Data Mining Techniques: State-of-the-art Review	Saumendra Das**, Janmenjoy Nayak**	**Saumendra Das**
158	Solar Radiation Prediction using Artificial Neural Network: A Comprehensive Review	**Bireswar Paul**, Hrituparna Paul	**Bireswar Paul**
183	A Comparative Study of Different Forecasting Models for Energy Demand Forecasting	**Tanvir Islam,** Saber Elsayed, Daryl Essam, Ruhul Sarker	**Tanvir Islam**
196	QCM Sensor based Alcohol Classification using Ensembled Stacking Model	**Pemmada Suresh Kumar**, Rajyalaxmi Pedada, Janmenjoy Nayak, Behera H S, Sai Pratyusha G M, Vanaja Velugula	**Pemmada Suresh Kumar**
216	Big Data In Education: Present And Future	**Janmenjoy Nayak**, H. Swapnarekha, Ashanta Ranjan Routray, H. S. Behera	**H. Swapnarekha**