

**Third International Conference on Advances in Distributed Computing and Machine Learning (ICADCML)**  
**(15<sup>th</sup> and 16<sup>th</sup> January 2022)**

*Organized by*

**Department of Computer Science and Engineering (CSE), National Institute of Technology, Warangal**  
**Warangal - 506004, Telangana, India**

**Online Meeting Platform:** WebEx (<https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m15fa0bfb5a0f98b856017c8d3b5814c7>)

**Programme Schedule**

Time	Date: 15 <sup>th</sup> January 2022 (Saturday)
09:00 AM to 09:30 AM	<b>Registration</b>
09:30 AM to 10:15 AM	<b>Inauguration</b> <b>Chief Guest:</b> Prof. (Dr.) N. V. Ramana Rao, Director, NIT Warangal, India <b>Guest of Honour:</b> Prof. (Dr.) D. V. L. N. Somayajulu, Director, IIITDM Kurnool and IIITDM Kancheepuram, India
10:15 AM to 11:00 AM	<b>Keynote Talk #1:</b> Prof. Mohammad S. Obaidat, The University of Jordan, Jordan <b>Title:</b> Novel Biometric-Based Cybersecurity Techniques for Risk-Based Authentication <b>Session Chair:</b> Dr. S. Ravi Chandra, NIT Warangal, India
11:15 AM to 12:00 PM	<b>Keynote Talk #2:</b> Prof. Rajkumar Buyya, The University of Melbourne, Australia <b>Title:</b> Neoteric Frontiers in Cloud and Edge Computing <b>Session Chair:</b> Dr. Ch. Sudhakar, NIT Warangal, India
12:15 PM to 01:00 PM	<b>Keynote Talk #3:</b> Prof. Willy Susilo, The University of Wollongong, Australia <b>Title:</b> New Directions in Cloud Computing Security <b>Session Chair:</b> Prof. Kuan-Ching Li, Providence University, Taiwan
01:00 PM to 02:15 PM	<b>Lunch Break</b>
02:15 PM to 03:00 PM	<b>Keynote Talk #4:</b> Prof. Vincenzo Piuri, The University of Milan, Italy <b>Title:</b> Artificial Intelligence in Cloud/Fog/Edge Computing and Internet of Things <b>Session Chair:</b> Dr. K. Ramesh, NIT Warangal, India
03:15 PM to 06:00 PM	<b>Technical Session #1 (Paper IDs: 134, 76, 101, 186, 71, 58, 190, 197, 178, 157)</b> <b>Link:</b> <a href="https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m15fa0bfb5a0f98b856017c8d3b5814c7">https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m15fa0bfb5a0f98b856017c8d3b5814c7</a> <b>Technical Session #2 (Paper IDs: 36, 166, 192, 152, 182, 176, 151, 92, 74, 40)</b> <b>Link:</b> <a href="https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m355106582f7390b8e02efdb2acbe7b8c">https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m355106582f7390b8e02efdb2acbe7b8c</a>

	<b>Technical Session #3 (Paper IDs: 123, 117, 181, 175, 142, 26, 72, 21, 150, 18)</b> <b>Link:</b> <a href="https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m35f15b1b3195502e9ac528cc4edc562b">https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m35f15b1b3195502e9ac528cc4edc562b</a>
<b>Time</b>	<b>Date: 16<sup>th</sup> January 2022 (Sunday)</b>
09:15 AM to 10:00 AM	<b>Keynote Talk #5:</b> Prof. Sajal K. Das, Missouri University of Science and Technology, Rolla, USA <b>Title:</b> From Smart Sensing to Smart Living: AI and Data Science Approach <b>Session Chair:</b> Dr. Rashmi Ranjan Rout, NIT Warangal, India
10:15 AM to 11:00 AM	<b>Keynote Talk #6:</b> Prof. Shivashankar B. Nair, IIT Guwahati, India <b>Title:</b> The Immune Network: A Computational Perspective <b>Session Chair:</b> Dr. R. Padmavathy, NIT Warangal, India
11:15 AM to 12:00 PM	<b>Keynote Talk #7:</b> Padma Shri Prof. Sankar K. Pal, Indian Statistical Institute, Kolkata, India <b>Title:</b> Pattern Recognition, Machine Intelligence to Data Science: Evolution and Challenges <b>Session Chair:</b> Dr. K. V. Kadambari, NIT Warangal, India
12:15 PM to 01:00 PM	<b>Keynote Talk #8:</b> Prof. Ayon Chakraborty, IIT Madras, India <b>Title:</b> Drones as On-Demand Infrastructure for Next-Generation Wireless Networks <b>Session Chair:</b> Dr. Balaprakasa Rao Killi, NIT Warangal, India
01:00 PM to 02:15 PM	<b>Lunch Break</b>
02:15 PM to 03:00 PM	<b>Keynote Talk #9:</b> Prof. Yiu-Ming Cheung, Hong Kong Baptist University, Hong Kong <b>Title:</b> How to Perform Clustering in the Data Imbalanced Environment? <b>Session Chair:</b> Prof. Kuan-Ching Li, Providence University, Taiwan
03:15 PM to 05:30 PM	<b>Technical Session #4 (Paper IDs: 42, 90, 79, 170, 107, 38, 86, 63, 139, 172)</b> <b>Link:</b> <a href="https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m15fa0bfb5a0f98b856017c8d3b5814c7">https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m15fa0bfb5a0f98b856017c8d3b5814c7</a> <b>Technical Session #5 (Paper IDs: 102, 171, 143, 69, 8, 177, 105, 162, 53, 168)</b> <b>Link:</b> <a href="https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m355106582f7390b8e02efdb2acbe7b8c">https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m355106582f7390b8e02efdb2acbe7b8c</a> <b>Technical Session #6 (Paper IDs: 159, 11, 148, 5, 106, 9, 100, 189, 65, 27)</b> <b>Link:</b> <a href="https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m35f15b1b3195502e9ac528cc4edc562b">https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m35f15b1b3195502e9ac528cc4edc562b</a>
05:30 PM to 06:30 PM	Valedictory

**Technical Session #1 (IoT, Fog and Cloud Computing)****Session Chairs: Dr. Suraj Sharma, Assistant Professor, Department of CSE, IIT Bhubaneswar****Dr. Sanjeet Kumar Nayak, Assistant Professor, Department of CSE, IITDM Kancheepuram****Link: <https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m15fa0bfb5a0f98b856017c8d3b5814c7>**

<b>Time</b>	<b>Paper ID</b>	<b>Paper Title</b>
03:15 PM to 03:30 PM	134	Fog Computing Paradigm for Internet of Things: Architectures, Issues, Challenges and Applications List of Authors: Upendra Verma and Diwakar Bhardwaj Corresponding Author: Upendra Verma Presenting Author: Upendra Verma
03:30 PM to 03:45 PM	76	Security and Challenges for Blockchain Integrated Fog Enabled IoT Applications List of Authors: Saikat Samanta, Achyuth Sarkar, Aditi Sharma and Oana Geman Corresponding Author: Saikat Samanta Presenting Author: Saikat Samanta
03:45 PM to 04:00 PM	101	MLP Deep Learning Based DDoS Attack Detection Framework for Fog Computing List of Authors: Surya Pavan Kumar Gudla and Sourav Kumar Bhoi Corresponding Author: Sourav Kumar Bhoi Presenting Author: Surya Pavan Kumar Gudla
04:00 PM to 04:15 PM	186	Active VM Placement Approach Based on Energy Efficiency in Cloud Environment List of Authors: Sunil Kumar, Sumit Mittal and Manpreet Singh Corresponding Author: Sunil Kumar Presenting Author: Sunil Kumar
04:15 PM to 04:30 PM	71	Security Enhancement in Cloud Environment using Modified Key Based Crypto Method List of Authors: Parsi Kalpana, A Venugopal Reddy and Sudha Pelluri Corresponding Author: Parsi Kalpana Presenting Author: Parsi Kalpana
04:30 PM to 04:45 PM	<b>Tea Break</b>	
04:45 PM to 05:00 PM	58	RFID-Based Authentication Scheme for Secure Access of Medical Data in IoT-Enabled Health Environments List of Authors: Preeti Soni, Mohammad S. Obaidat, Arup Kumar Pal and S K Hafizul Islam Corresponding Author: S K Hafizul Islam Presenting Author: S K Hafizul Islam
05:00 PM to 05:15 PM	190	FML Framework: Function Triggered ML-as-a-Service for IoT Cloud Applications List of Authors: Shajulin Benedict, Rachit Verma and Bhagyalakshmi M

		<p>Corresponding Author: Shajulin Benedict  Presenting Author: Rachit Verma</p>
05:15 PM to 05:30 PM	197	<p>A New Approach for Processing Raster Geospatial Big Data in Distributed Environment  List of Authors: Anupama, Jai Prakash Verma, Sapan H Mankad, Sanjay Garg, Pankaj Bodani and Ghansham Sangar  Corresponding Author: Jai Prakash Verma  Presenting Author: Jai Prakash Verma</p>
05:30 PM to 05:45 PM	178	<p>An Efficient Service Selection Algorithm for Cloud Computing  List of Authors: Munmun Saha, Sanjaya Kumar Panda and Suvasini Panigrahi  Corresponding Author: Sanjaya Kumar Panda  Presenting Author: Munmun Saha</p>
05:45 PM to 06:00 PM	157	<p>Transaction and QoS-Driven Composition of Web Services using Modified Grey Wolf Optimization with TOPSIS and AHP  List of Authors: Sunita Jalal and Dharmendra Kumar Yadav  Corresponding Author: Sunita Jalal  Presenting Author: Sunita Jalal</p>

**Technical Session #2 (Machine Learning)****Session Chairs: Dr. Manjubala Bisi, Assistant Professor, Department of CSE, NIT Warangal****Dr. Deepak Ranjan Nayak, Assistant Professor, Department of CSE, NIT Jaipur****Link: <https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m355106582f7390b8e02efdb2acbe7b8c>**

<b>Time</b>	<b>Paper ID</b>	<b>Paper Title</b>
03:15 PM to 03:30 PM	36	A Graphical User Interface (GUI) Based Speech Recognition System using Deep Learning Models List of Authors: Sudhansu Bala Das, Deepshikha Swain and Dipak Das Corresponding Author: Sudhansu Bala Das Presenting Author: Sudhansu Bala Das
03:30 PM to 03:45 PM	166	Deep Learning Based Document Layout Analysis on Historical Documents List of Authors: Ravichandra Sriram, Siva Sathya S and Lourdu Marie Sophie S Corresponding Author: Ravichandra Sriram Presenting Author: Ravichandra Sriram
03:45 PM to 04:00 PM	192	Comparative Study of Deep Learning Approaches for Classification of Flares in Images List of Authors: Aditya Kulkarni and Asha C S Corresponding Author: Asha C S Presenting Author: Aditya Kulkarni
04:00 PM to 04:15 PM	152	Exploring SVM for Federated Machine Learning Applications List of Authors: Divya G Nair, C V Aswartha Narayana, K Jaideep Reddy and Jyothisha J Nair Corresponding Author: Divya G Nair Presenting Author: Divya G Nair
04:15 PM to 04:30 PM	182	Automated Resume Classification using Machine Learning List of Authors: Pradeep Kumar Roy, Sunil Kumar Singh, Tapan Kumar Das and Asis Kumar Tripathy Corresponding Author: Tapan Kumar Das Presenting Author: Tapan Kumar Das
04:30 PM to 04:45 PM	<b>Tea Break</b>	
04:45 PM to 05:00 PM	176	Analysis of Trend in COVID-19, World Vaccination and its Side Effects using Machine Learning List of Authors: Amrita I, Snigdha Sen and Ashwini K Corresponding Author: Amrita I Presenting Author: Amrita I
05:00 PM to 05:15 PM	151	Classifying Malware Represented as Assembly and Control Flow Graphs using Ensemble Learning List of Authors: Sachin Somanna, N Vikhyath Shetty, Mohammed Afthab M, Sagar Neupane, Manoj Kumar

		M V, Ajay Kumara M A, Bjarne Berg and Prashanth P Wagle Corresponding Author: Manoj Kumar M V Presenting Author: N Vikhyath Shetty
05:15 PM to 05:30 PM	92	Molecular Classification of Cancer by Gene Expression Monitoring using Ensemble Learning List of Authors: Ritu Agarwal, Dhruv Jain, Gagan Sharma and Janardan Tiwari Corresponding Author: Ritu Agarwal Presenting Author: Ritu Agarwal
05:30 PM to 05:45 PM	74	Plant Disease Detection using CNN through Segmentation and Balancing Techniques List of Authors: Maulik Verma, Anshu S Anand and Anjil Srivastava Corresponding Author: Anshu S Anand Presenting Author: Maulik Verma
05:45 PM to 06:00 PM	40	Investigation of BER Analysis using NOMA Scheme Over Fading Channels List of Authors: Kasula Raghu and P Chandra Sekhar Reddy Corresponding Author: Kasula Raghu Presenting Author: Kasula Raghu

**Technical Session #3 (Image Processing and NLP)****Session Chairs: Dr. Ratnakar Dash, Assistant Professor, Department of CSE, NIT Rourkela****Dr. Jitendra Kumar Rout, Assistant Professor, Department of CSE, NIT Raipur****Link: <https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m35f15b1b3195502e9ac528cc4edc562b>**

<b>Time</b>	<b>Paper ID</b>	<b>Paper Title</b>
03:15 PM to 03:30 PM	123	Performance Analysis of Image Retrieval Method using Quantized Bins of Color Histogram List of Authors: Naushad Varish, Priyanka Singh, Syed Yaser, Aashrit Surapaneni and B Venkatesh Reddy Corresponding Author: Naushad Varish Presenting Author: Syed Yaser
03:30 PM to 03:45 PM	117	Attention Is All You Need To Tell: Transformer Based Image Captioning List of Authors: Shreyansh Chordia, Yogini Pawar, Saurabh Kulkarni, Utkarsha Toradmal and Shraddha Suratkar Corresponding Author: Shreyansh Chordia Presenting Author: Shreyansh Chordia
03:45 PM to 04:00 PM	181	Analysis of MRI and SPECT Image Fusion in the Wavelet Domain for Brain Tumor Detection List of Authors: Jinu Sebastian and G R Gnana King Corresponding Author: Jinu Sebastian Presenting Author: Jinu Sebastian
04:00 PM to 04:15 PM	175	Gamma Noise Removal by using High Order Total Bounded Variation Approach List of Authors: Balaji Banothu Corresponding Author: Balaji Banothu Presenting Author: Balaji Banothu
04:15 PM to 04:30 PM	142	Directional Radial Median-Local Binary Pattern (DRM-LBP): A Noise Invariant Descriptor in Pose Variations List of Authors: Shekhar Karanwal and Manoj Diwakar Corresponding Author: Shekhar Karanwal Presenting Author: Shekhar Karanwal
04:30 PM to 04:45 PM	<b>Tea Break</b>	
04:45 PM to 05:00 PM	26	Average Image Hashing Based Tamper Detection and Localization using Fragile Watermarking List of Authors: Alina Dash and Kshiramani Naik Corresponding Author: Alina Dash Presenting Author: Alina Dash
05:00 PM to 05:15 PM	72	Review and Analysis of Multi Featured Threshold Filtered Based Real Time Video Segmentation and Tracking

		<p>in Video Surveillance</p> <p>List of Authors: Kusuma T and Ashwini K</p> <p>Corresponding Author: Ashwini K</p> <p>Presenting Author: Kusuma T</p>
05:15 PM to 05:30 PM	21	<p>Comparative Analysis of Object Detection Algorithms</p> <p>List of Authors: Prashant Kaushik, Anshul Sharma and Brahmaleen Kaur</p> <p>Corresponding Author: Prashant Kaushik</p> <p>Presenting Author: Prashant Kaushik</p>
05:30 PM to 05:45 PM	150	<p>Comparative Performance of Machine Learning Algorithms in Detecting Offensive Speech in Malayalam-English Code-Mixed Data</p> <p>List of Authors: Dhanya L K and Kannan Balakrishnan</p> <p>Corresponding Author: Dhanya L K</p> <p>Presenting Author: Dhanya L K</p>
05:45 PM to 06:00 PM	18	<p>Ablation Analysis of Seq2Seq Models and Vanilla Transformers for Spanish to English Translation</p> <p>List of Authors: Deep Gandhi, Jash Mehta and Pranit Bari</p> <p>Corresponding Author: Deep Gandhi</p> <p>Presenting Author: Jash Mehta</p>



**Technical Session #4 (WSNs, VANETs, SDNs and Blockchain)****Session Chairs: Dr. Rashmi Ranjan Rout, Associate Professor, Department of CSE, NIT Warangal****Dr. Damodar Reddy Edla, Associate Professor, Department of CSE, NIT Goa****Link:** <https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m15fa0bfb5a0f98b856017c8d3b5814c7>

<b>Time</b>	<b>Paper ID</b>	<b>Paper Title</b>
03:15 PM to 03:30 PM	42	Wireless Sensor Network based Miner Localization in Underground Coal Mines List of Authors: Lalatendu Muduli, Prasanta K Jana and Devi Prasad Mishra Corresponding Author: Lalatendu Muduli Presenting Author: Lalatendu Muduli
03:30 PM to 03:45 PM	90	Bacterial Forging Optimization Based Clustering Protocol for Wireless Sensor Networks List of Authors: Sidhartha Sankar Dora and Prasanta Kumar Swain Corresponding Author: Prasanta Kumar Swain Presenting Author: Sidhartha Sankar Dora
03:45 PM to 04:00 PM	79	Deep Hunting Optimization-Enabled Multi-Objective Range-Free Anchor-Based Localization in WSN List of Authors: V Ch Sekhar Rao Rayavarapu and Arunanshu Mahapatro Corresponding Author: V Ch Sekhar Rao Rayavarapu Presenting Author: V Ch Sekhar Rao Rayavarapu
04:00 PM to 04:15 PM	170	A Fuzzy Logic Based Trust Evaluation Scheme for Wireless Sensor Networks List of Authors: Madhusmita Patra and Sasmita Acharya Corresponding Author: Madhusmita Patra Presenting Author: Madhusmita Patra
04:15 PM to 04:30 PM	107	A Fuzzy Logic Based Congestion Detection Technique for Vehicular Adhoc Networks List of Authors: Rashmi Ranjita and Sasmita Acharya Corresponding Author: Rashmi Ranjita Presenting Author: Rashmi Ranjita
04:30 PM to 04:45 PM	<b>Tea Break</b>	
04:45 PM to 05:00 PM	38	Reinforcement Learning for Routing in Software Defined Network List of Authors: Meenaxi M Raikar and Meena S M Corresponding Author: Meenaxi M Raikar Presenting Author: Meenaxi M Raikar
05:00 PM to 05:15 PM	86	Load Balancing for Network Resource Management in Software Defined Networks

		<p>List of Authors: Abhishek P M, Anishma Naik, Pooja Doddannavar, Rachana Patil, Meenaxi Raikar and Meena S M</p> <p>Corresponding Author: Abhishek P M</p> <p>Presenting Author: Abhishek P M</p>
05:15 PM to 05:30 PM	63	<p>A Survey on Layer 2 Solutions to Achieve Scalability in Blockchain</p> <p>List of Authors: Unnikrishnan K N and P Victor Paul</p> <p>Corresponding Author: Unnikrishnan K N</p> <p>Presenting Author: Unnikrishnan K N</p>
05:30 PM to 05:45 PM	139	<p>Swift and Secure Medical Data Translation</p> <p>List of Authors: T Sujithra, N M Masoodhu Banu, N Poornima and S Durai</p> <p>Corresponding Author: T Sujithra</p> <p>Presenting Author: T Sujithra</p>
05:45 PM to 06:00 PM	172	<p>Thing-Aware Business Process Model</p> <p>List of Authors: Sugyan Kumar Mishra and Anirban Sarkar</p> <p>Corresponding Author: Sugyan Kumar Mishra</p> <p>Presenting Author: Sugyan Kumar Mishra</p>

**Technical Session #5 (Machine Learning)****Session Chairs: Dr. Sanjaya Kumar Panda, Assistant Professor, Department of CSE, NIT Warangal****Dr. Pranesh Das, Assistant Professor, Department of CSE, NIT Calicut****Link: <https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m355106582f7390b8e02efdb2acbe7b8c>**

<b>Time</b>	<b>Paper ID</b>	<b>Paper Title</b>
03:15 PM to 03:30 PM	102	Deep Learning in Image Classification: Its Evolution, Methods, Challenges and Architectures List of Authors: Palak Girdhar, Prashant Johri and Deepali Virmani Corresponding Author: Palak Girdhar Presenting Author: Palak Girdhar
03:30 PM to 03:45 PM	171	Classification of Precious and Non-Precious Tweets using Deep Learning List of Authors: Satyanarayana Murthy T, Mohan Krishna Varma N, Daniel Ravuri, Kishore Babu D and Shaik Nazeer Corresponding Author: Mohan Krishna Varma N Presenting Author: Satyanarayana Murthy T
03:45 PM to 04:00 PM	143	A Deep Learning Approach to Image Splicing using Depth Map List of Authors: D Venkata Vijay Gopal and Gopakumar G Corresponding Author: Gopakumar G Presenting Author: D V Vijay Gopal
04:00 PM to 04:15 PM	69	Do Deep Learning Models and Text Data Outperform Conventional Prediction Techniques on Forex Data? List of Authors: Sucharita Atha and Bharath Kumar Bolla Corresponding Author: Sucharita Atha Presenting Author: Sucharita Atha
04:15 PM to 04:30 PM	8	Brain Tumor Classification using Modified Alexnet Network List of Authors: Kumari Abhilasha, Shipra Swati and Mukesh Kumar Corresponding Author: Mukesh Kumar Presenting Author: Kumari Abhilasha
04:30 PM to 04:45 PM	<b>Tea Break</b>	
04:45 PM to 05:00 PM	177	Code Injection Attacks Detection in Hybrid Applications using CNN List of Authors: Prasanna Sai Puvvada, Singupuram Viswaja and Manjubala Bisi Corresponding Author: Manjubala Bisi Presenting Author: Manjubala Bisi
05:00 PM to 05:15 PM	105	Real-Time Implementation of CNN Based Face Mask Detection: A Method to Diminish the Risk of Covid-19

		<p>List of Authors: Mylavarapu Kalyan Ram, M T S K Lakshmi, M Govind Raju, M Sarojini, G Madhu Kiran and Challapalli Sujana</p> <p>Corresponding Author: Mylavarapu Kalyan Ram</p> <p>Presenting Author: Mylavarapu Kalyan Ram</p>
05:15 PM to 05:30 PM	162	<p>Evaluating the Performance of Machine Learning Algorithms for Sentiment Prediction on Social Media Natural Language Text Data</p> <p>List of Authors: Moulshree G, Manoj Kumar M V, Prashanth B S, Ajay Kumara M A, Shivadarshan S L, Sneha H R and Prashanth P Wagle</p> <p>Corresponding Author: Manoj Kumar M V</p> <p>Presenting Author: Moulshree G</p>
05:30 PM to 05:45 PM	53	<p>Estimating the Category of Districts in a State Based on COVID Test Positivity Rate (TPR): A Study using Supervised Machine Learning Approach</p> <p>List of Authors: Sourav Kumar Bhoi, Chitta Ranjan Mallick, Rajendra Prasad Nayak, Debasis Mohapatra and Kalyan Kumar Jena</p> <p>Corresponding Author: Sourav Kumar Bhoi</p> <p>Presenting Author: Rajendra Prasad Nayak</p>
05:45 PM to 06:00 PM	168	<p>Single Cell RNA Sequence Data Analysing Using Fuzzy DE Based Clustering Technique</p> <p>List of Authors: Biswajit Senapati and Ranjita Das</p> <p>Corresponding Author: Biswajit Senapati</p> <p>Presenting Author: Biswajit Senapati</p>

**Technical Session #6 (Recommendation Systems, Software Engineering and Machine Learning)****Session Chairs: Prof. Durga Prasad Mohapatra, Professor and Head of the Department, Department of CSE, NIT Rourkela****Dr. Sangharatna Godbole, Assistant Professor, Department of CSE, NIT Warangal****Link:** <https://nitwarangal.webex.com/nitwarangal/j.php?MTID=m35f15b1b3195502e9ac528cc4edc562b>

<b>Time</b>	<b>Paper ID</b>	<b>Paper Title</b>
03:15 PM to 03:30 PM	159	Asymmetrically Weighted Cosine Similarity Measure for Recommendation Systems List of Authors: Sahil Mishra and Sanjaya Kumar Panda Corresponding Author: Sanjaya Kumar Panda Presenting Author: Sahil Mishra
03:30 PM to 03:45 PM	11	Crop Recommendation System using Support Vector Machine Considering Indian Dataset List of Authors: Tapas Kumar Mishra, Sambit Kumar Mishra, Kanaparthi Jeevan Sai, Shreyas Peddi and Manideep Surusomayajula Corresponding Author: Tapas Kumar Mishra Presenting Author: Tapas Kumar Mishra
03:45 PM to 04:00 PM	148	Assessing the Performance and Suitability of FPGAs as Hardware Accelerator for Software Programmers List of Authors: Adarsh Mishra, Ajith K J, Kislay Bhatt, Kumar Vaibhav and Vibhuti Duggal Corresponding Author: Adarsh Mishra Presenting Author: Adarsh Mishra
04:00 PM to 04:15 PM	5	Teaching Learning Based Optimization Model to Generate Software Test Cases List of Authors: Sandeep Jha and Manjubala Bisi Corresponding Author: Manjubala Bisi Presenting Author: Manjubala Bisi
04:15 PM to 04:30 PM	106	Optimizing Hyperparameters for Improvement in Software Vulnerability Prediction Models List of Authors: Deepali Bassi and Hardeep Singh Corresponding Author: Deepali Bassi Presenting Author: Deepali Bassi
04:30 PM to 04:45 PM	<b>Tea Break</b>	
04:45 PM to 05:00 PM	9	Information Cascading using Classification Approach of Link Prediction List of Authors: Mukesh Kumar, Naweena Kumar and Jitendra Kumar Corresponding Author: Mukesh Kumar Presenting Author: Jitendra Kumar
05:00 PM to 05:15 PM	100	A Duplex Method of Classification of Parkinson's Disease using Data Reduction Techniques

		List of Authors: Mahendra Kumar Gourisaria, Prayush Jain, Vinayak Singh and Tanupriya Choudhury Corresponding Author: Mahendra Kumar Gourisaria Presenting Author: Vinayak Singh
05:15 PM to 05:30 PM	189	Comprehensive Forecasting-Based Analysis using Hybrid and Stacked Stateful/Stateless Models List of Authors: Swayamjit Saha, Niladri Majumder, Devansh Sangani and Anindita Das Bhattacharjee Corresponding Author: Anindita Das Bhattacharjee Presenting Author: Swayamjit Saha
05:30 PM to 05:45 PM	65	Investigating the Volumetric Biomarkers of Alzheimer Disease: A State-of-the-Art Review List of Authors: K H Vijaya Kumari and Soubhagya Sankar Barpanda Corresponding Author: K H Vijaya Kumari Presenting Author: K H Vijaya Kumari
05:45 PM to 06:00 PM	27	An Uncertainty-Aware Cloud Service Selection Model using CRITIC and MAUT List of Authors: Munmun Saha, Sanjaya Kumar Panda and Suvasini Panigrahi Corresponding Author: Sanjaya Kumar Panda Presenting Author: Munmun Saha