

International Conference on Intelligent and Cloud Computing (ICICC-2019) 16-17 December, 2019

Conference Schedule

16th December, 2019

Venue: First Floor, Bansuri Guru Auditorium

9.00 am to 10.25 am:	Conference Registration
10.30 am to 11.15 am:	Opening Ceremony
11.15 am to 11.45 am:	High Tea
12.00 pm to 1.30 pm:	Keynote Address by Prof. Raj Kumar Buyya
1.30 pm to 2.30 pm:	Lunch (ITER Canteen)

Venue: Academic Block, Department of Computer Sc. & Engineering

2.30 pm to 4.30 pm:	Session #1
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17th December, 2019

Venue: Academic Block, Department of Computer Sc. & Engineering

10.00 am to 11.30am:	Keynote Address by Dr. Deepak Puthal
11.30 am to 1.30 noon:	Session #2
1.30 pm to 2.30 pm:	Lunch
2.30 pm to 4.00 pm:	Session #3
4.15 pm to 4.30 pm:	Valedictory Ceremony

Special Events

Venue: Academic Block, Ground Floor

- o Students Poster Presentations by CODEX Club, ITER
- o Technical Rangoli Competition by Srishti Club, ITER
- o Robotics Exhibition by Robotics Club, ITER

SESSION #1/ TRACK #1: Intelligent and Cloud Computing

16th December, 2019 (2.30 pm to 4.30 pm)

Venue #1: Seminar Hall, Dept. of CSE (C 218)

Session Chair:	Session Coordinator:
Dr. Rakesh Chandra Balabantaray	Dr. Bharat Jyoti Ranjan Sahoo

Sl. No	Paper ID	Paper Title	Author Details
1	13	M-Throttled: Dynamic Load Balancing Algorithm for Cloud Computing	Amrutanshu Panigrahi, Bibhuprasad Sahu, Saroj Kumar Rout and Amiya Kumar Rath
2	15	iGateLink: A Generic Gateway Library for Linking IoT, Edge, Fog and Cloud Computing Environments	Riccardo Mancini, Shreshth Tuli, Tommaso Cucinotta and Rajkumar Buyya
3	19	HETERO LEACH: Leach protocol with Heterogeneous Energy Constraint	Amrutanshu Panigrahi, Bibhuprasad Sahu and Sushree Bibhuprada B. Priyadarshini
4	25	A Semantic Matchmaking Technique for Cloud Service Discovery and Selection using Ontology based on Service Oriented Architecture	Manoranjan Parhi, Sanjaya Kumar Jena and Binod Kumar Pattanayak
5	44	An Intelligent approach to detect Cracks on a surface in an Image	Saumendra Kumar Mohapatra, Pritisman Kar and Mihir Narayan Mohanty
6	55	A Review On ANN In Short Term Load Forecasting Using Artificial Intelligence Techniques	Saroj Kumar Panda, Papiya Ray and Debari Prasad Mishra
7	60	A Review for the Development of ANN Based Solar Radiation Estimation Models	Amar Choudhary, Deependra Pandey and Saurabh Bhardwaj
8	61	Analysis and Study of Solar Radiation Using Artificial Neural Networks	Deepa Rani Yadav, Deependra Pandey, Amar Choudhary and Mihir Narayan Mohanty
9	71	A Scheme to Enhance the Security and Efficiency of MQTT Protocol	Kannan Mani Subramanian Maniarasusekar, Balaji Bharatwaj M and Harini N
10	88	Software fault prediction using Random forests	K Vinod Kumar, Priyanka Kumari, Avishikta Chatterjee and Durga Prasad Mohapatra

SESSION #1/ TRACK #2: Software Engineering

16th December, 2019 (2.30 pm to 4.30 pm)

Venue #2: Cloud Computing Lab (C 212)

Session Chair:	Session Coordinator:
Dr. Subhasish Mohapatra	Dr. Subrat Kumar Nayak

Sl. No	Paper ID	Paper Title	Author Details
1	41	Test Case Generation Based on Search Based Testing	Rashmi Rekha Sahoo, Mitrabinda Ray and Gayatri Nayak
2	42	A Hybrid approach to achieve high MC/DC at Design Phase	Gayatri Nayak, Mitrabinda Ray and Rashmi Rekha Sahoo
3	58	Test Case Prioritization Using OR and XOR Gate Operations	Soumen Nayak, Chiranjeev Kumar, Sachin Tripathi, Lambodar Jena and Bichitrananda Patra

4	62	Continuous Integration, Deployment and Testing in Cloud DevOps Environment	Debasish Roul and Mitrabinda Ray
5	65	Optimal Geospatial Query Placement in Cloud	Jaydeep Das, Sourav Kanti Addya, Soumya K. Ghosh and Rajkumar Buyya
6	73	Measuring MC/DC Coverage and Boolean Fault Severity of Object-Oriented Programs using Concolic Testing	Swadhin Kumar Barisal, Pushkar Kishore, Bibhudatta Sahoo and Durga Prasad Mohapatra
7	80	Asynchronous Testing in Web Applications	Sonali Pradhan and Mitrabinda Ray
8	93	Architecture Based Reliability Analysis	Sampa Chaupattnaik and Dr.Mitrabinda Ray
9	108	A Study on decision making by estimating preferences using utility function and indifference curve	Suprava Devi, Mitali Madhusmita Nayak and Srikanta Patnaik
10	167	Binary fields point multiplication implementation in FPGA hardware	Pareesh Baidya, Suman Sau, Rourab Paul and Swagata Mandal

SESSION #1/ TRACK #3: Wireless Sensor Network

16th December, 2019 (2.30 pm to 4.30 pm)

Venue #3: CIBI Lab (C 213)

Session Chair:	Session Coordinator:
Prof. Binod Kumar Pattanayak	Dr. Rajashree Dash

Sl. No	Paper ID	Paper Title	Author Details
1	5	Android App based Cryptographic End-to-End Variable Election System	Rakesh Kumar
2	20	Energy Saving Delay Constraint MAC protocol in Wireless Body Area Network	Tusharkanta Samal, Manas Ranjan Kabat and Sushree Bibhuprada B. Priyadarshini
3	50	A Survey on AGPA Nature-inspired Techniques in Vehicular Ad-hoc Networks	Smita Rani Sahu, Santosh Kumar Das, Motahar Reza and Soumen Nayak
4	51	QoS-aware Unicasting Hybrid Routing Protocol for MANETs	Prabhat Kumar Sahu, Biswa Mohan Acharya and Niranjana Panda
5	52	Background Modelling and Elimination Using Differential Block Based Quantized Histogram (D-BBQH)	Satyabrata Maity, Nimisha Ghosh, Krishanu Maity and Sayantan Saha
6	59	A Comparative Study on Unequal Clustering in Wireless Sensor Networks (WSNs)	Amrit Sahani, Sushree Bibhuprada B. Priyadarshini and Abhiksa Patro
7	91	Rivest Cipher 4 Cryptography and Elliptical curve cryptography Technique to Secure Data in Cloud	Alakananda Tripathy, Alok Ranjan Tripathy, Smita Rath, Om Prakash Jena and Shrabane Swagatika
8	95	A survey on various security issues for 5G mobile networks in WSN	Lucy Dash, Mitrabinda Khuntia and Prabhat Sahu
9	100	Genetic algorithm and probability based Leach variant Trust Management Model For WSNs	Lakshmisree Panigrahi and Debasish Jena
10	112	EOQ model with backorder for items with imperfect quality using Cross Selling Effects	Rashmi Rani Patro, Rojalini Patro, Srikanta Patnaik and Binod Kumar Sahoo
11	140	A Deep Learning Approach for Classification of Pneumonia X-ray Image	Olive Chaudhuri and Barnali Sahu

SESSION #1/ TRACK #4: IoT and its Application

16th December, 2019 (2.30 pm to 4.30 pm)

Venue #4: LTRDC Lab (C121)

Session Chair:	Session Coordinator:
Prof. Dhiren Kumar Behera	Dr. Kaberi Das

Sl. No	Paper ID	Paper Title	Author Details
1	6	An energy efficient data routing in weight-balanced tree-based Fog Network	Sayantana Saha and Arnab Mitra
2	37	A Systematic Overview of Fault Tolerance In Cloud Computing	Binod Kumar Pattanayak and Nagarjuna Hota
3	45	An EPIC Mechanism for Advertising the Tourist Spots in Smart Cities	Vikash Kumar Singh, Anil Bikash Chowdhary and Sajal Mukhopadhyay
4	46	Data Analysis and Prediction of Terror Component Using Web Services	Shrabanee Swagatika, Bishnupriya Panda, Debabrata Singh and Alakananda Tripathy
5	56	Issues, Challenges and Techniques for Resource Provisioning in Cloud Computing Environment	Manoranjan Parhi, Suprava Ranjan Laha, Saumendra Pattnaik and Binod Kumar Pattanayak
6	67	Load Balancing of Tasks in Cloud Computing using Fault Tolerant Honey Bee Foraging Approach	Bivasa Ranjan Parida, Amiya Kumar Rath and Shrabanee Swagatika
7	82	Flip Learning: A Novel IoT Based Learning Initiative	Sushil Kumar Mahapatra, Binod Kumar Pattanayak and Bibudhendu Pati
8	84	Improvement of Load Balancing in Shared Memory Multiprocessor Systems	Hasan Deeb, Archana Sarangi and Shubhendu Kumar Sarangi
9	86	Building Amazon Web Services Infrastructure from the scratch for an Organisation	Muskan Garg, Harsh Jha, Harshit Singh, Shrabanee Swagatika and Smita Rath
10	89	Fault Detection for VANET using Vehicular Cloud	Biswa Ranjan Senapati, Santoshinee Mohapatra and Pabitra Mohan Khilar
11	92	An approach to Cohort Selection in Cloud for Face Recognition	Jogendra Garain, Satyabrata Maity and Dipak Kumar
12	113	Internet of Things (IoT) framework Deployment Template for Cloud-based Harbor Surveillance and Ferry Monitoring System	Madhuri Rao, Narendra Kumar Kamila and Nibedita Adhikari
13	137	Art of Style Transfer using Convolution Neural Network: A deep learning approach	Siddharth Saurabh and Barnali Sahu

SESSION #1/ TRACK #5: AI and Machine Learning**16th December, 2019 (2.30 pm to 4.30 pm)****Venue #5: M.Tech. Lab (C 203)**

Session Chair:	Session Coordinator:
Dr. Subhendu Rup	Dr. Sambit Kumar Mishra

Sl. No	Paper ID	Paper Title	Author Details
1	12	Evolutionary Hybrid Feature Selection for Cancer Diagnosis	Bichitrananda Patra, Lambodar Jena, Soumen Nayak and Santosini Bhutia
2	18	Predicting the Price of Gold: A CSPNN-DE Model	Samuka Mohanty and Rajashree Dash
3	32	Weighted Particle Swarm Optimization with t-distribution in Machine Learning Applications	Sonali Samal, Archana Sarangi and Shubhendu Kumar Sarangi
4	36	A novel approach for breast cancer classification using Deep forest network	Bishnupriya Panda, Shrabanee Swagatika, Sipra Sahoo and Debabrata Singh
5	38	A Survey on Deep Learning: Convolution Neural Network	Madhusmita Sahu and Rasmita Dash
6	43	An Optimized Method for Arrhythmia Classification using Artificial Neural Network	Sipra Sahoo, Saumendra Kumar Mohapatra, Bishnupriya Panda, Mihir Narayan Mohanty and Sateesh Kumar Pradhan
7	48	A Survey on Hybridized Gene Selection Strategies	Suman Kumari Panigrahi, Kaberi Das, Debahuti Mishra and Bhaskar Kumar Veedhi
8	90	Indian Stock Market Prediction based on Rough Set and Support Vector Machine Approach	Rudra Kalyan Nayak, Ramamani Tripathy, Debahuti Mishra, Vijay Kumar Burugari, Prabha Selvaraj, Abhisek Sathy and Biswaranjan Jena
9	96	Epileptic Seizure Detection Using DWT and Rule Based Variants of TSVM with KNN	Sumant Kumar Mohapatra and Srikanta Patnaik
10	101	Artificial Intelligence for Smart-Healthcare Management: Brief Study	Subhashree Mohapatra and Tripti Swarnakar
11	103	Leaves Shape Categorization using Convolution Neural Network Model	Sushruta Mishra, Debjit Koner, Lambodar Jena and Piyush Ranjan
12	104	Thyroid Disorder Analysis Using Random Forest Classifier	Sushruta Mishra, Yeshihareg Tadesse, Anuttam Dash and Lambodar Jena

SESSION #2 / TRACK #1: Intelligent and Cloud Computing

17th December, 2019 (11.30 am to 1.30 pm)

Venue #1: Seminar Hall, Dept. of CSE (C 218)

Session Chair:	Session Coordinator:
Prof. Rachita Mishra	Dr. Manoranjan Parhi

Sl. No	Paper ID	Paper Title	Author Details
1	9	A power optimization technique for WSN with the help of hybrid Meta-heuristic algorithm targeting Fog Networks	Avishek Banerjee, Victor Das, Arnab Mitra, Samiran Chattopadhyay and Utpal Biswas
2	11	A Model for Probabilistic Prediction of Paddy Crop Disease using Convolutional Neural Network	Sujay Das, Ritesh Sharma, Mahendra Kumar Gourisaria, Siddharth Swarup Routray and Manjusha Pandey
3	16	A hybridized ELM-elitism-based self-adaptive multi-population Jaya model for currency forecasting	Smruti Rekha Das, Bidush Kumar Sahoo and Debahuti Mishra
4	26	A Comparative Survey on Recent Classifiers Used for Microarray data Classification	Prajna Paramita Debata and Puspanjali Mohapatra
5	31	A Fruit Fly Optimization Based Extreme Learning Machine for Bio-Medical Data Classification	Pournamasi Parhi, Jyotirmayee Naik and Ranjeeta Bisoi
6	39	Partial Reconfiguration Feature in Crypto Algorithm for Cloud Application	Rourab Paul and Nimsha Ghosh
7	49	Proactive Content Caching for Streaming over Information-Centric Network	Shatarupa Dash, Suvendu Kumar Dash and Bharat Jyoti Ranjan Sahu
8	97	CS-based Energy-Efficient Service Allocation in Cloud	Sambit Kumar Mishra, Sonali Mishra and Bibhudatta Sahoo
9	139	Performance analysis of ERWCA based FLANN model for Exchange rate forecasting	Arup Kumar Mohanty, Sarbeswara Hota, Ajit Kumar Mahapatra and Debahuti Mishra
10	160	Multi Document Summarization using Deep Learning	Abhishek Upadhyay, Khan Ghazala Javed, Rakesh Chandra Balabantaray and Rasmita Rautray
11	161	A Convolutional Neural Network Framework For Brain Tumor Classification	Sanjaya Kumar Jena and Debahuti Mishra
12	106	Load Balancing in Cloud Computing Environment Using CloudSim	Saumendra Pattnaik, Bidush Kumar Sahoo and Binod Kumar Pattanayak
13	111	Assessment of Load in Cloud Computing environment using C-means clustering algorithm	Aradhana Behura and Sushree Bibhuprada B. Priyadarshini
14	115	Parallel Implementation of Algebraic Curve for Data Security in Cloud Computing Environment	Sanjaya Kumar Jena, Manoranjan Parhi and Sarbeswara Hota

SESSION #2/ TRACK #2: Natural Language Processing

17th December, 2019 (11.30 am to 1.30 pm)

Venue #2: Cloud Computing Lab (C 212)

Session Chair:	Session Coordinator:
Prof. Ajit Kumar Nayak	Dr. Barnali Sahu

Sl. No	Paper ID	Paper Title	Author Details
1	10	Automatic Text Summarization for Odia Language: A Novel Approach	Sagarika Pattnaik and Ajit Kumar Nayak
2	29	Insight into diverse Key phrase Extraction Techniques from Text Documents	Upasana Parida, Mamata Nayak and Ajit Ku. Nayak
3	69	Review on usage of Hidden Markov Model in Natural Language Processing	Amrita Anandika, Smita Prava Mishra and Madhusmita Das
4	105	Performance of ELM using max-min document frequency based feature selection in Multilabeled Text Classification	Santosh Kumar Behera and Rajashree Dash
5	118	Issues and Challenges Related To Cloud-based Traffic Management System: A Brief Survey	Sarita Mahapatra, Krishna Chandra Rath and Srikanta Patnaik
6	129	A Survey on Clustering algorithms based on Bio-Inspired Optimization Techniques	Srikanta Kumar Sahoo and Priyabrata Pattanaik
7	131	Automated Question Answering System: An Overview of Solution Strategies	Debashish Mohapatra and Ajit Kumar Nayak
8	134	Study on Google Firebase for Real-time Web messaging	Rahul Patnaik, Rajesh Pradhan, Smita Rath, Chandan Mishra and Lagnajeet Mohanty
9	141	Dealing with Sybil Attack in VANET	Binod Kumar Pattanayak, Omkar Pattnaik and Sasmita Pani
10	158	Role of Intelligent Techniques in Natural Language Processing: An Empirical Study	Bishwa Ranjan Das, Dilip Singh, Prakash Chandra Bhoi and Debahuti Mishra
11	166	Feature Selection and Classification for Microarray Data using ACO-FLANN framework	Pradeep Kumar Mallick, Sandeep Kumar Satapathy, Shruti Mishra, Aniya Ranjan Panda and Debahuti Mishra
12	168	An ensemble approach for automated classification of brain MRIs	Sarada Prasanna Pati, Sarbeswara Hota and Debahuti Mishra
13	169	An Analysis of Various Demand Response Techniques in Smart Grid	Nilima Rani Das, Mamata Nayak, S.C. Rai and Ajit K. Nayak

SESSION #2/ TRACK #3: Computational Vision

17th December, 2019 (11.30 am to 1.30 pm)

Venue #3: CIBI Lab (C 213)

Session Chair:	Session Coordinator:
Prof. Benudhar Sahu	Dr. Shrabanee Swagatika

Sl. No	Paper ID	Paper Title	Author Details
1	22	Pragmatic Study of CNN model and Different Parameter's impact on it for the Classification of Diabetic Retinopathy	Manaswini Jena, Smita Prava Mishra and Debahuti Mishra
2	98	Facial Expression Recognition System (FERS): A Survey	Sonali Mishra, Mrs.Ratnalata Gupta and Sambit Kumar Mishra
3	135	An Efficient Clustering Mechanism for Wireless Sensor Network with Bottlenecks	Dibya Ranjan Das Adhikary, Swagatika Tripathy, Dheeresh K. Mallick and Chandrasekhar Azad
4	136	Survey on Hyper-parameter Optimization using Nature Inspired Algorithm of Deep Convolution Neural Network	Rasmiranjan Mohakud and Rajashree Dash
5	139	Performance analysis of ERWCA based FLANN model for Exchange rate forecasting	Arup Kumar Mahanty, Sarbeswara Hota, Ajit Kumar Mahapatra and Debahuti Mishra
6	143	An Intelligent Type-2 Fuzzy Based Uncertainty Reduction Technique in Mobile Ad-hoc Network	Santosh Kumar Das, Priyanshu Singh, Nihal Verma, Shom Prasad Das and Soumen Nayak
7	145	Study of Cost-Sensitive Learning Methods on Imbalanced Datasets	Neelam Rout, Debahuti Mishra and Manas Kumar Mallick
8	146	Game Theory based Optimal Decision Making System	Santosh Kumar Das, Abhilekh Nath Das, Harsh Kumar Sinha, Shom Prasad Das and Soumen Nayak
9	149	A static approach for access control with an application derived Intrusion System	Shaunak Chattopadhyay, Sonali Mishra and Sambit Kumar Mishra
10	150	Cloud, Edge and Fog Computing in Healthcare	Bichitrananda Patra and Karisma Mohapatra
11	152	A Survey on Transfer Learning	Santisudha Panigrahi, Anuja Nanda and Tripti Swarnkar
12	156	A Novel Hybrid Feature Extraction Method with Least Squares SVM for Facial Expression Recognition	Nikunja Bihari Kar and Korra Sathya Babu
13	142	A survey on energy awareness mechanisms in ACO based routing protocols for MANETs	Niranjan Panda and Prabhat Kumar Sahu

SESSION #2/ TRACK #5: AI and Machine Learning

17th December, 2019 (11.30 am to 1.30 pm)

Venue #4: M.Tech. Lab (C 203)

Session Chair:	Session Coordinator:
Prof. Srikant Pattnaik	Dr. Bhupendra Kumar Gupta

Sl. No	Paper ID	Paper Title	Author Details
1	14	Global Best Guided Modified Cat Swarm Optimization Algorithm for Applications in Machine Learning	Archana Sarangi, Shubhendu Kumar Sarangi and Sonali Samal
2	28	Analysis of Prediction Accuracy of Diabetes using Classifier and Hybrid Machine Learning Techniques	Shekharesh Barik, Sambit Mohanty, Surajit Mohanty and Debabrata Singh
3	30	A Legendre Neural Network for Credit Card Fraud Detection	Rajashree Dash, Rasmita Rautray and Rasmita Dash
4	34	Time series analysis of rainfall for Puri District of Odisha using ARIMA modelling	Subhadra Mishra, Deepak Kumar Swain, Debahuti Mishra and Gour Hari Santra
5	52	Background Modelling and Elimination Using Differential Block Based Quantized Histogram (D-BBQH)	Satyabrata Maity, Nimisha Ghosh, Krishanu Maity and Sayantan Saha
6	79	Spectral Clustering based Fuzzy C-Means Algorithm for Prediction of Membrane Cholesterol from ATP-Binding Cassette Transporters	Ramamani Tripathy, Rudra Kalyan Nayak, V Saravanan, Debahuti Mishra, Gayatri Parasa, Kaberi Das and Priti Das
7	81	Exploration of Hyper parameter in Extreme Learning Machine for Brain MRI Datasets.	Ashwini Pradhan, Kaberi Das, Debahuti Mishra and Subhasis Mishra
8	83	Jaya Optimized Extreme Learning Machine for Breast Cancer Data Classification	Santos Kumar Baliarsingh and Chinmayee Dora
9	87	Application of ELM-MapReduce Technique in Stock Market Forecasting	Smita Rath, Alakananda Tripathy and Shrabanee Swagatika
10	99	FTTCR: A New Interconnection Architecture for Parallel Systems	Laxminath Tripathy
11	102	Risk Prediction of Kidney Disease using Machine Learning Strategies	Lambodar Jena, Bichitrananda Patra, Soumen Nayak, Sushruta Mishra and Sushreeta Tripathy
12	107	A Review on Machine Learning Algorithms	Sushree Sasmita Dash, Subrat Kumar Nayak and Debahuti Mishra
13	114	Bigdata Analytics & Deep Learning in Early Detection of Neuro-generative Diseases	Padmini Mansingh, Binod Kumar Pattanayak and Bibudhendu Pati

SESSION #3 / TRACK #1: Intelligent and Cloud Computing

17th December, 2019 (2.30 pm to 4.00 pm)

Venue #1: Seminar Hall, Dept. of CSE (C 218)

Session Chair:	Session Coordinator:
Dr. Suraj Sharma	Dr. Bichitrananda Patra

Sl. No	Paper ID	Paper Title	Author Details
1	7	Design of an energy-efficient and lightweight data security model in Fog Networks	Arnab Mitra and Sayantan Saha
2	53	Fuzzification Based routing Protocol for Wireless Ad-hoc Network	Santosh Kumar Das, Nikhil Patra, Biswa Ranjan Das, Shom Prasad Das and Soumen Nayak
3	54	Fuzzy Based Strategy Management in Wireless Ad-Hoc Network	Santosh Kumar Das, Aman Kumar Tiwari, Somnath Rath, Manisha Rani, Shom Prasad Das and Soumen Nayak
4	74	A TWV Classifier Ensemble Framework	Sidharth Samal and Rajashree Dash
5	76	Recent Advancements in Continuous Authentication Techniques for Mobile Touch screen based Devices	Rupanka Bhuyan, S. Pradeep Kumar Kenny, Samarjeet Borah, Debahuti Mishra and Kaberi Das
6	78	HERMIT: A Novel Approach for Dynamic Load Balancing in Cloud Computing	Subashish Mohapatra, Subhadarshini Mohanty, Arunima Hota, Prashanta Kumar Patra and Jijnasee Dash
7	85	Development of Hybrid Extreme Learning Machine for classification of Brain MRIs	Pranati Satapathy, Sateesh Kumar Pradhan and Sarbeswara Hota
8	144	Delay and Disruption Tolerant Networks: A Brief Survey	Satya Ranjan Das, Koushik Sinha, Nandini Mukherjee and Bhabani Prasad Sinha

SESSION #3/ TRACK #2: Wireless Sensor Network & Natural Language Processing

17th December, 2019 (2.30 pm to 4.00 pm)

Venue #2: Cloud Computing Lab (C 212)

Session Chair:	Session Coordinator:
Prof. Mihir Narayan Mohanty	Dr. Lambodar Jena

Sl. No	Paper ID	Paper Title	Author Details
1	64	Energy Efficient Chirp Signal using Stockwell Transform	Subhashree Sahoo, Sushree Bibhuprada B. Priyadarshini, Amiya Bhusan Bagjadab and Santosh Kumar Majhi
2	120	Harmonic and Reactive Power Compensation using Hybrid Shunt Active Power Filter with Fuzzy Controller	Alok Kumar Mishra, Prakash Kumar Ray, Akshaya Kumar Patra, Ranjan Kumar Mallick, Soumya Ranjan Das and Ramachandra Agrawal
3	121	Optimal Bidding of Market Participants in Restructured Power Market Adopting MBF Method	Ramachandra Agrawal, Purba Sengupta, Anasuya Roy Choudhury, Debashis Sitikantha, Ilyas Ahmed and Manoj Kumar Debnath

4	123	Stabilizing and Trajectory Tracking of Inverted Pendulum based on Fuzzy Logic Control	Akshaya Kumar Patra, Alok Kumar Mishra, Ramachandra Agrawal and Narayan Nahak
5	124	Fuzzy Logic Controller Design for Stabilizing and Trajectory Tracking of Vehicle Suspension System	Akshaya Kumar Patra, Alok Kumar Mishra and Ramachandra Agrawal
6	138	Fuzzy Controlled Power Factor Correction using Single Ended Primary Inductance Converter	Alok Kumar Mishra, Akshaya Kumar Patra, Ramachandra Agrawal, Shekharesh Barik, Manoj Kumar Debanath, Samarjeet Satapathy and Jnana Ranjan Swain
7	147	Data Center Networks: The Evolving Scenario	Tapasmini Sahoo and Suraj Kumar Naik
8	164	Design of optimal fractional order PID controller for Frequency Regulation in an interconnected Power System with RFB	Narendra Kumar Jena, Subhadra Sahoo, Amar Bijaya Nanda and Binod Kumar Sahu

SESSION #3/ TRACK #3: Machine Learning and its Applications

17th December, 2019 (2.30 pm to 4.00 pm)

Venue #3: CIBI Lab (C 213)

Session Chair:	Session Coordinator:
Dr. Jitendra Kumar Rout	Dr. Archana Sarangi

Sl. No	Paper ID	Paper Title	Author Details
1	110	A Comprehensive Study of MeanShift and CamShift Algorithms for Real-Time Face Tracking	Smriti Gupta, Kundan Kumar, Sabita Pal and Kuntal Ghosh
2	154	Blockchain: Applications and Challenges in the industry	Amrit Sahani, Abhipsa Patro, Sushree Bibhuprada B. Priyadarshini and Jaswant Arya
3	157	Application of Big Data Problem Solving Framework in Healthcare Sector– Recent Advancement	Sushreeta Tripathy and Tripti Swarnkar
4	159	A GALA based Hybrid Gene Selection Model for Identification of Relevant Genes for Cancer Microarray Data	Barnali Sahu and Alok Kumar Jagadev
5	162	A Brief Survey on Placement of Access Points in Ultra-dense Heterogeneous 5G Networks	Satya Ranjan Das, Koushik Sinha, Nandini Mukherjee and Bhabani Prasad Sinha
6	163	Qualitative Analysis of Recursive Search Algorithm : A Case Study	Sangram Panigrahi, Keshri Verma and Priyanka Tripathi

SESSION #3/ TRACK #4: IoT and its Application

17th December, 2019 (2.30 pm to 4.00 pm)

Venue #4: LTRDC Lab (C121)

Session Chair:	Session Coordinator:
Dr. Sandeep Kumar Satapathy	Dr. Niranjana Panda

Sl. No	Paper ID	Paper Title	Author Details
1	35	The Impact of IoT on 5G	Mitrabinda Khuntia, Debabrata Singh and Sipra Sahoo
2	72	Prediction of Exchange Rate in a Cloud Computing Environment Using Machine Learning	Trilok Nath Pandey, Tanu Priya and Sanjay Jena

		Tools	
3	132	Survey on Stock Price Forecasting using Regression Analysis	Bhupendra Kumar Gupta, Manas Kumar Mallick and Sarbeswar Hota
4	133	Intrusion Detection and classification using decision tree based feature selection classifiers	Manas Kumar Nanda and Manas Ranjan Patra
5	155	Role of Cloud Computing for Big Data: A review	Madhusmita Das and Rasmita Dash
6	165	Role of cloud computing in geotechnical engineering	Rashmisikha Behera and Manas Ranjan Das
7	170	Detection of XSS Vulnerabilities of Web Application Using Security Testing Approaches.	Sanjukta Mohanty and Arup Abhinna Acharya

SESSION #3/ TRACK #5: AI and Machine Learning
17th December, 2019 (2.30 pm to 4.00 pm)
Venue #5: M.Tech. Lab (C 203)

Session Chair:	Session Coordinator:
Prof. Pravat Kumar Rout	Dr. Bishnupriya Panda

Sl. No	Paper ID	Paper Title	Author Details
1	21	Optimization Through Cuckoo Search with a Brief Review	Rasmita Dash, Mitali Madhusmita Sahoo, Rajashree Dash and Rasmita Rautray
2	24	Fruit Fly Algorithm: A Brief Review	Rasmita Rautray, Shreyasi Biswas, Rasmita Dash and Rajashree Dash
3	117	Medical data Classification Using Jaya Optimized ELM	Prajna Paramita Debata and Puspanjali Mohapatra
4	122	Application of Backward Elimination in Multiple Linear Regression Model for Prediction of Stock Index	Chandan Mishra, Lagnajeet Mohanty, Smita Rath, Rahul Patnaik and Rajesh Pradhan
5	125	A Comparative Approach to Knowledge Discovery in Recommender Systems using SVD and NMF	Murchhana Tripathy, Pratyasha Satapathy, Santilata Champati and Anita Panda
6	126	An Empirical Comparative Analysis of NAV Forecasting using Machine Learning Techniques	Sarbeswara Hota and Debahuti Mishra
7	130	Application of Computational Intelligence Techniques in the Domain of Net Asset Value Prediction: A Survey	Smita Mohanty and Rajashree Dash