

**AMITY UNIVERSITY UTTAR PRADESH**  
**AMITY SCHOOL OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Presents**

**9<sup>th</sup> International Conference-CONFLUENCE' 2019**

**Theme: Cloud Computing, Data Science and Engineering**

**PROGRAMME SCHEDULE**

<b>Date: 10th January, 2018 Time: (11:45 Hrs-13:15 Hrs)</b>			
<b>Track ID</b>	<b>Paper ID</b>	<b>Title</b>	<b>Author</b>
<b>Track 1A : cloud computing and Virtualization (11:45 Hrs-13:15 Hrs) (E3-312)</b>	65	A Model-driven Approach to Continuous Practices for Modern Cloud-based Web Applications	Bernhard Steffen, Tim Tegeler, Frederik Gossen
	49	Comparison of different CI/CD tools integrated with cloud platform	Charanjot Singh, Nikita Seth Gaba, Bhavleen Kaur
	123	A Study of Efficient Energy Management Techniques for Cloud Computing Environment	Syed Arshad Ali, Mohammad Affan, Mansaf Alam
	86	Software Testing Approach for Cloud Applications (STACA) – Methodology, Techniques & Tools	Md. Nurul Islam
	517	VM Availability in Presence of Malicious Attacks in Open-Source Cloud	Rati Bhan
	260	A Survey on Security over Sensor-Cloud	Rajendra Kumar Dwivedi, Munish Saran, Rakesh Kumar
	155	A Subjective Trust Management System in Multi-Cloud Environment	Ashish Kumar Mishra
	25	Cloud Migration Metamodel	Pooja Parnami
<b>Track 2A: Computer Network and Sensors (11:45 Hrs-13:15 Hrs) (E3 - 311)</b>	255	Network Performance of PingER data with respect to the growth of the Telecom industry in India	Naman Madan, A. Sai Sabitha, Abhay Bansal, Les Cotrell, Bebo White
	396	Real-Time Monitoring Security System integrated with Raspberry Pi and e-mail communication link	Sourabh Kumar, Anupam Kumar, Jayendra Kumar
	112	Multi-Objective Heterogeneous Clustering Approach for Efficient-Energy Optimization in WSN	Abhishek Prajapati, Vinay Kumar, Prince Rajpoot
	114	Heterogeneous clustering for energy optimization in wireless sensor network	Vijeta Sharma, Prince Rajpoot, Kumkum Dubey, Neetu Verma
	58	Opportunistic Network Routing Protocols: Challenges, Implementation and	Tanvi Gautam

		Evaluation	
	426	Energy-efficient Multilevel Clustering Protocol for Underwater Wireless Sensor Networks	Saurabh Maheshwari, PayalAwwal
	294	Integration of Wireless Sensor Networks with cloud: A Review	Rajendra Kumar Dwivedi, Sarika Singh, Rakesh Kumar
	32	A Novel Distributed Semi-Supervised Approach for Detection of Network Based Attacks	Meenal Jain, Gagandeep Kaur
<b>Track 3A: Big data and Data Mining (11:45 Hrs-13:15 Hrs) (E3 - 310)</b>	312	Query Languages for Polystore Databases for Large Scientific Data Archives	Manoj Poudel, Subhash Bhalla
	78	Big Data Analytics of Inpatients Flow with Diabetes Mellitus type 1	Olga Kolesnichenko
	252	Data Mashup for Improving the Performance of Global Network	Prakash Narayan Hardaha
	238	Big Data Analytics using Machine Learning Techniques	Shweta Mittal
	208	Review of Text Mining Techniques for Software Bug Localization	Tamanna Sharma
	42	Analyzing IPL dataset with MongoDB	Kopal Chaudhary, Mohini Gupta
	542	Big Data Interoperability in e-Health Systems	Nidhi Gupta
	96	Challenges in Big Data Analytics Techniques: A Survey	C Komalavalli, ChetnaLaroiya
<b>Date: 10th January, 2018 Time: (14:00 Hrs- 15:30 Hrs)</b>			
<b>Track ID</b>	<b>Paper ID</b>	<b>Title</b>	<b>Author</b>
<b>Track 4A: Artificial Intelligence and Soft Computing (14:00 Hrs- 15:30 Hrs) (E3 - 312)</b>	562	Classification of Error Related Potentials using Convolutional Neural Networks	Sunny ArokiaSwamy Bellary
	261	Homecare staff scheduling problem using a GA based approach with local search techniques	ThepparitSinthamrongruk
	95	A Hybrid Intelligence-Based Cognitive Engine	Martins Olaleye
	202	Movie Recommender System Using K-Means Clustering AND K-Nearest Neighbor	Rishabh Ahuja
	225	Automated Genre Classification of Books Using Machine Learning and Natural Language Processing	Mohit Agarwal
	229	Identifying stock patterns and training Classifiers for suggesting investments	Praveen Kumar, Nikhil Sharma, Hisham Hussein
	496	Formulation of an Elegant Diagnostic Approach for an Intelligent Disease Recommendation System	Vikas Kamra
	80	A Framework for Optimization of Software Test Cases Generation using Cuckoo Search Algorithm	Sanjiv Sharma
<b>Track 7: Image/ Video Processing</b>	24	Cloud Computing and Load Balancing in Cloud Computing -Survey	Amrita Jyoti

<b>&amp; Track 1B: cloud computing and Virtualization (14:00 Hrs- 15:30 Hrs) (E3 - 311)</b>	51	Analyzing and Predicting the Allocation and Utilization of Resources in Cloud Computing System	Anil Barnwal
	134	Word Sense Disambiguation of Hindi Text using Fuzzified Semantic Relations and Fuzzy Hindi WordNet	Goonjan Jain
	60	LossyColor Image Compression Technique using Reduced Bit Plane-Quaternion SVD	Manju Dabass
	107	Augmented Reality and its effect on our life	Riya Aggarwal, Abhishek Singhal
	468	Approaches of Behavioural Biometric Traits	JigyasaHanda, Saurabh Singh, Shipra Saraswat
<b>Track 8A: Miscellaneous (14:00 Hrs- 15:30 Hrs) (E3 - 310)</b>	77	Instant Messaging Tutoring: A Case of South Africa	AdheeshBudree
	142	Model Order Reduction of Axial Active Magnetic Bearing	SudiptaSaha
	11	Upbit with Parallelized Merge	SriharshaChigullapally
	256	Extension of the PingER Project onto Mobile Devices using Android Applications	Aayush Jain, James David
	197	Built Environment and Crime Against Women: An Overview	CharuNangia
	199	'A Survey of Brain waves using Electroencephalography(EEG) to develop Robust Brain Computer Interfaces(BCIs): Processing Techniques and Algorithms'	Munaza Ramzan
	467	Comprehensive analysis of trends in software engineering Q&A site	Ayushi Verma, Neetu Sardana
<b>Date: 10th January, 2018 Time: (15:30 Hrs- 17:30 Hrs)</b>			
<b>Track ID</b>	<b>Paper ID</b>	<b>Title</b>	<b>Author</b>
<b>Track 4B: Artificial Intelligence and Soft Computing (15:30 Hrs- 17:30 Hrs) (E3 - 312)</b>	33	Energy Distance Clustering Algorithm (EDCA) for Wireless Sensor Networks	Shivendra Kumar Pandey, Shaligram Patel, Priyanka
	41	Test Case Prioritization based on Historical Failure Patterns using ABC and GA	Gaurav Pahwa, Dinesh Singh
	308	THE SCIENCE OF RULE-BASED CLASSIFIERS	Jabez Christopher
	301	MENTAL DISORDER DETECTION (BIPOLAR DISORDER SCRUTINIZATION USING MACHINE LEARNING)	Vinay Chellwani, Ranjana Jadhav, Hitesh Sachdev, SharyuDeshmukh
	313	Meta-Learner with Sparsified Backpropagation	Rohan Paithankar, Sanjay Singh
	476	Performance Evaluation of Machine Learning Algorithms for Credit Card Fraud Detection	Shivani Tyagi , Sangeeta Mittal
	237	Analyzing the Effectiveness of Machine Learning Algorithms for Determining Faulty Classes: A Comparative Analysis	Prabhpahul Singh, Ruchika Malhotra

<b>Track 5: Algorithm and Design (15:30 Hrs- 17:30 Hrs) (E3 - 311)</b>	298	Logistic Regression Based DFS for Trip Advising Software(ASCEND)	Edwin Thomas
	48	Locating Usability Critical Factors for Mobile Applications Using ELECTRI-TRI Method	Puneet Aggarwal
	263	Advanced Communication Technologies for Collaborative Learning in Telemedicine and Tele-care	Repu Chand
	13	ANALYSIS OF CYBER RELATED ISSUES BY IMPLEMENTING DATA MINING ALGORITHM	Shilpi Sharma
<b>Track 8B: Miscellaneous (15:30 Hrs- 17:30 Hrs) (E3 - 311)</b>	15	Resource Selection in Federated Web Search	Suvedha Ram, Shrishahallale, Sowmya Sridharan
	130	Segmentation Techniques for Breast Cancer Imaging Modalities- A Review	Jyoti Dabass
	291	'A study of Consumer adoption of Digital Wallet special Reference to NCR'	Pooja Tiwari, Vikas Garg
	232	A Comparative Study of Mouse and Keystroke Based Authentication	Saurabh Singh, Shipra Saraswat
<b>Skype Session (15:30 Hrs- 17:30 Hrs) (E3 - 310)</b>	16	Nature Inspired Algorithms for Energy Efficient Clustering in Wireless Sensor Networks	Richa Sharma
	38	Reliability Variance based Weighted Bit Flipping Algorithms for LDPC	Pargunaranjan Krishnan, HaritaDivakar
	265	Comparison of APSO, PSO & GA for Performance Investigation of SEIG with Balanced Loading Paper	Yatender Chaturvedi, Sumit Kumar , Priti Bansal, Sushil Yadav
	556	Smart Road Traffic Handler: Cause Identification Using Image Processing	Mukesh Yadav, Deepa Chanchlani, KasturiGhadge, Priyanka Narwani, Nitya Shetty, Richard Joseph
	560	Semi-Supervised Mix-Hindi Sentiment Analysis using Neural Network	Mukesh Yadav

**Date: 11th January, 2018 Time: (10:00 Hrs-11:30 Hrs)**

<b>Track ID</b>	<b>Paper ID</b>	<b>Title</b>	<b>Author</b>
<b>Track 2B: Computer Network and Sensors (10:00 Hrs-11:30 Hrs) (E3 - 312)</b>	401	Automatic Toll Monitoring System using PLC- SCADA programming	RajanikantMetri
	105	Design And Analysis of Multiband Antenna for Bluetooth, WiMAX, WLAN and X-Band Downlink Applications	Manish Sharma
	31	Quasi-Automated Firmware in E-Automobiles: Structural Integration	Sumedh N, MangalaSneha Srinivasan, Vivek K. R, Sagar Basavaraju
	228	Extended TLS security and Defensive Algorithm in OpenFlow SDN	SugandhiMidha
	119	Design And Analysis of Multiband Antenna for Bluetooth, WiMAX, WLAN and X-Band Applications	Manish Sharma

	113	Bitcoin Block-Chain Mining	Gulpreet Kaur Chadha, Dr. Archana Singh
	449	Hotspot Detection of Dengue Fever Outbreaks Using DBSCAN Algorithm	G.M Nandana
<b>Track 4C: Artificial Intelligence and Soft Computing (10:00 Hrs-11:30 Hrs) (E3 - 311)</b>	262	Autism Detection from a Preliminary Symptom Using Cogency and Machine Learning'	Sushama Rani Dutta
	45	Multi-class time series classification of EEG signals with Recurrent Neural Networks	KusumikaKrori Dutta
	136	Task Resource Usage Analysis and Failure Prediction in Cloud	Jyoti Shetty
	258	Spider Monkey Optimization for Economic Dispatch with Diverse Cost Function	Hari Mohan Dubey
	200	Analysis of Software Reliability Models for Reliability Estimation	Aakash Gupta, Ramesh Kumar
	438	CASE BASED INTERPRETATION MODEL FOR WORD SENSE DISAMBIGUATION IN GURMUKHI	HimdweepWalia
	198	Evaluation and Selection of R&D Projects using Multi-Criteria Decision Making Method	Nandini Kashyap, Rakesh Garg
<b>Track 6A : IoT and Automation (10:00 Hrs-11:30 Hrs) (E3 - 310)</b>	223	Supply Chain using Smart Contract: A Blockchain enabled model with Traceability and Ownership Management	Prof. Dr. KeshavDahal
	532	Automatic Plant Watering and Monitoring System using NodeMCU	Jayendra Kumar, Nivedita Gupta, Alisha Kumari, Smita Kumari
	100	RansomWare and Internet of Things: A New Security Nightmare	Syed Rameem Zahra
	230	Automated Facial Recognition Attendance System Leveraging IoT Cameras	Royston Dmello, Sai Yerramreddy, Dr.PrachiGharpure
	122	Survey On Applications Of Internet Of Things Using Machine Learning	NamrataMajumdar, Shipra Shukla, Anisha Bhatnagar
	153	Soil Moisture, Temperature and Humidity Measurement Using Arduino	PrahladBhadani, Dr. Vasudha Vashisht
	156	Smart Train Detector using IoT Approach	Payal Srivastava, Bonny Paulose, Rana Majumdar, Sunil Chowdhary, Avishek Srivastava
<b>Track 3B: Big data and Data Mining (10:00 Hrs-11:30 Hrs) (E3 - 310)</b>	167	Breast Cancer Analysis Using WEKA	Praveen Kumar, TanayaPadhi
<b>Date: 11th January, 2018 Time: (12:00 Hrs-13:30 Hrs)</b>			
<b>Track ID</b>	<b>Paper ID</b>	<b>Title</b>	<b>Author</b>
<b>Track 4D:</b>	246	Fuzzy based approach for diet prediction	Arushi Singh, Rakesh

<b>Artificial Intelligence and Soft Computing (12:00 Hrs-13:30 Hrs) (E3 - 312)</b>			Garg
	490	Mathematical Characterization of Membrane Protein Sequences of Homo-sapiens	Rupaansh Chandra Agarwal, Pranav Upadhayay, Ranjeet Rout, Arun Prakash Agrawal
	475	Classification of Supraventricular Arrhythmias using Wavelet Decomposition	Kunal Giri, Shipra Saraswat, Avesh Kumar Yadav, Saurabh Singh
	50	Hybrid prediction models for rainfall forecasting	Gurpreet Singh , Deepak Kumar
	116	Application of Fuzzy Logic Control Systems in Military Platforms	Lakshya Tyagi
<b>Track 5: Algorithm and Design (12:00 Hrs-13:30 Hrs) (E3 - 312)</b>	106	MULTI PARAMETERS BASED HETEROGENEOUS CLUSTERING ALGORITHM FOR ENERGY OPTIMIZATION IN WSN	Adarsh Kumar Yadav, Prince Rajpoot, Pappu Kumar, Kumkum Dubey, Shubham Harsh Singh, Km. Rashmi Verma
<b>Track 4E Artificial Intelligence and Soft Computing (12:00 Hrs-13:30 Hrs) (E3 - 311)</b>	320	Predicting Order Lead Time for Just in Time production system using various Machine Learning Algorithms: A Case Study	Saurabh Singh, Umang Soni
	210	FAID : Feature Aftermath for Irony Discernment	Rupal Bhargava , Ayushi Agarwaly and YashvardhanSharmaz
	460	Community Detection Techniques for Evolving Social Networks	B.S.A.S.Rajita, Subhrakanta Panda
	286	Wavelet Transforms and Neural Network for medical diagnosis	Manisha Khulbe, Sandhya Kanoujia
	307	Predicting the weather for Uninterrupted Cricket matches and Outdoor Sports events	M.K.Nallakaruppan, ShaziyaNazz, K.Madhuvanathi, S.Karthikeyan, MounishMedarametla
	259	Soft Intelligence Approaches for Selecting Products in Online Market	Biswajit Biswas, Manas Kumar Sanyal
	395	Deep Learning based wind speed forecasting- A Review	Vikram Bali, Ajay Kumar, Satyam Gangwar
	89	Job Recommendation System based on Machine Learning and Data Mining Techniques using RESTful API and Android IDE	Harsh Jain, Misha Kakkar
<b>Track 4F Artificial Intelligence and Soft Computing (12:00 Hrs-13:30 Hrs) (E3 - 310)</b>	453	Review of Unsupervised Adaptive Resonance Theory	Alpika Tripathi, Geetika Srivastava, K.K. Singh, P.K. Maurya
	81	Machine Learning Techniques to Reduce Error in the Internet of Things	Anisha Bhatnagar, Shipra Shukla, NamrataMajumdar
	201	Diet Recommendation to Rickets Patients using AHP and Fuzzy Approach	Sakshi Singh, Sanjay Dubey

<b>Track 3C : Big data and Data Mining (12:00 Hrs-13:30 Hrs) (E3 - 310)</b>	145	Role of Nonlinear Optics in Big data transmission and Next Generation Computing Technologies	M.Khulbe, S.Kumar
<b>Track 1C: Cloud computing and Virtualization (12:00 Hrs-13:30 Hrs) (E3 - 310)</b>	277	A Review on Cloud Computing	Gurmeher Singh Puri, Ravi Tiwary, Shipra Shukla
	424	An effective Vehicular Adhoc Network Using Cloud Computing: A Review	Netra K, K. G. Manjunath, Achyuth Shankar
<b>Track 2C : Computer Network and Sensors (12:00 Hrs-13:30 Hrs) (E3 - 310)</b>	271	An Intelligent approach for UAV and Drone Privacy Security using Block chain Methodology	Tarun Rana, Achyut Shankar, Mohammed Kamran Sultan, Rizwan Patan, Balamurugan Balusamy
	135	Need of Private and Public Sector Information Security	Menaka Mishra, AK Upadhyay
<b>Track 4F: Artificial Intelligence and Soft Computing (12:00 Hrs - 13:30 Hrs) E3-309</b>	306	Real-time Credit Card Fraud Detection Using Machine Learning	Anuruddha Thennakoon, Chee Bhagyani, Sasitha Premadasa, Shalitha Mihiranga, Nuwan Kuruwitaarachchi
	211	Emotion recognition and drowsiness detection using Python	Anmol Uppal, Shweta Tyagi, Rishi Kumar, Seema Sharma
	264	Optimization of cost to calculate the release time in software reliability using python	Anupam Kumar, Deepak Choudhary, M. Srikrishnam Raju, Dev Kumar Chaudhary, Raj Kumar Sagar
<b>Track 2C: Computer Network and Sensors (12:00 Hrs - 13:30 Hrs) E3- 309</b>	459	Combating Counterfeit Drugs: A quantitative analysis on cracking down the fake drug industry by using Blockchain technology	Dushyant Sharma, Rishabh Shukla, Dr. Anil Kumar Giri, Dr. Sumit Kumar
	222	Integrated Bluetooth Superwideband Antenna with Triple Band Notch Characteristics for Wideband Wireless Applications	Manish Sharma, Manoj Kapil
<b>Track 8C: Miscellaneous (12:00 Hrs - 13:30 Hrs) E3-309</b>	250	REVIEW ON SEARCH ENGINE OPTIMIZATION	Prashant, Anshul Tickoo, Seema Sharma, Jehanat Jamil
<b>Track 6B : IoT and Automation (11:45 Hrs - 13:15 Hrs) E3-309</b>	457	Smart Home With Virtual Assistant Using Raspberry Pi	Shubhang Khattar, Anisha Sachdeva, Rishi Kumar, Richa Gupta