

4th International Conference on Next Generation Computing Technologies (NGCT-2018)

Technical Session Schedule (21 -22 November 2018)

Note: Tentative technical session schedule. If any registered paper is not listed, email to nchugh@ddn.upes.ac.in

Track 1			
Information and Data Convergence			
Session		1	Hall No. 1, MDC Block, UPES, Dehradun
Nov. 21, 2018 14:00PM - 17:00PM			
Track ID	Authors	Paper Id	Paper Title
1.1.1	Amit Kumar Shakya, Shalini Tiwari, Anurag Vidyarthi, Rishi Prakash	11	Texture Redefined: A Second Order Statistical based Approach for Brodatz Dataset Samples 1-35 (A)
1.1.2	Ravin Kumar.	24	A new approach to train LSTMs, GRUs, and other similar networks for data generation.
1.1.3	Mohammad Arif, Shish Ahmad	36	Security Enhancement in VANET using signature and certificate
1.1.4	Pramod Soni and Navin Rajpal, Rajesh Mehta.	55	Automatic Road Extraction from Semi Urban Remote Sensing Images
1.1.5	Sonam Chhikara and Rajeev Kumar.	93	An Information theoretic steganalysis for object based LSB steganography
1.1.6	Praneet Saurabh, Ritu Prasad, Bhupendra Verma and Preeti Yadav.	126	Distributed Multi-criteria Based Clusterhead Selection Approach for MANET
1.1.7	Praneet Saurabh, Bhupendra Verma, Lalit Kane and Abhishek Mukherjee.	135	Enhanced Homomorphic Encryption Scheme with Particle Swarm Optimization for Encryption of Cloud Data
1.1.8	Praneet Saurabh, Ritu Prasad, Pradeep Mewada and Bhavana Barmaiya.	191	Detection and Prevention of Black Hole Attack using Trusted and Secure Routing in Wireless Sensor Network
1.1.9	Siddharth Gupta, Avnish Panwar and Silky Goel.	173	Voice-over-IP Capacity and Performance for different Control Channels
1.1.10	Md. Fahimuzzaman Sohan, Sheikh Shah Mohammad Motiur Rahman, Md Tahsir Ahmed Munna, Shaikh Muhammad Al-layear, Md. Habibur Rahman, Md. Mush-fiqur Rahman	56	NStackSenti: Evaluation of a Multi-Level Approach for Detecting the Sentiment of Users
1.1.11	Alexander Golubenkov, Dmitry Alexandrov, Sanjay Misra, Olusola Abayomi-Alli, Dr.Ravin Ahuja, Robertas Damasevicius and Rytis Maskeliunas.	99	Decision Support System on the Need for Veterinary Control of Passing Livestock and Farm Produce
1.1.12	Irin Solomon, Parveen Mor, Tanupriya Choudhury, Archit Aggarwal	227	Simulation of Cloud Services with Help of Storage Virtualization

Track 1			
Information and Data Convergence			
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1.2.1	Swati Atri and Sanjay Tyagi.	41	Multi-Path Priority based Route Discovery Mechanism
1.2.2	Rajshree Srivastava and Kritika Rani.	153	Enhanced Slicing +: A new privacy preserving microdata publishing technique
1.2.3	Sachin Sharma, Kamal Kumar and Sandip Kumar Goyal.	219	Holistic Enterprise Data Warehouse Processes Integration
1.2.4	Surender Singh, V.R Singh and R.Ranjan	245	Optimal reconfiguration with reliability in unbalanced radial distribution system using particle swarm optimization
1.2.5	Adarsh Kumar, Neeraj Chugh, Alok Aggarwal, Neelu Jyoti Ahuja	256	Multidimensional-Multilayer Outlier Detection Mechanism for RFID-Sensor Integrated MANET Convergent to Internet of Things
1.2.6	Bhupesh Dewangan, Amit Agarwal, Venkatadri Marriboyina and Ashutosh Pasricha.	268	SLA-aware resource optimization based on time and cost in cloud
1.2.7	Babita Pathik and Meena Sharma.	295	Analysis of Change Effect on Source Code using a Dependency Graph based Hybrid Approach
1.2.8	Pragati Upadhyay, Dr. M.K. Pandey and Dr. Narendra Kohli.	305	Discovering Cyclic and Partial cyclic patterns using the FP Growth method incorporated with Special constraints
1.2.9	Vaibhav Vaishnav and Jayashri Vajpai	152	Load Forecasting by Group Method of Data Handling
1.2.10	Sandeep Kad and Vijay Banga.	273	Efficient directional information dissemination approach in Vehicular Ad hoc Networks
1.2.11	Harpreet Kaur, Sangeet Srivastava	199	An Analytics of short-term rainfall Prediction model for Delhi, India: Seasonal-ARIMA vs. Holt-Winters Exponential Smoothing method

Track 2			
Intelligent Linguistics and Pragmatics			
Session		1	Hall No. 2, MDC Block, UPES, Dehradun
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2.1.1	Ujwala G Patil and Suresh D Shirbahadurkar	45	Spectral Subtraction based Speech Enhancement Algorithms for Non-stationary Noisy Hindi Database
2.1.2	Amit Kumar and Dr. Neelu Jyothi Ahuja.	57	Applications and Pedagogy Recommendations of Learning Styles in Intelligent Tutoring System
2.1.3	Pulkit Mehndiratta and Devpriya Soni.	60	Taking it to the blend!!! A large scale study for Identification of Sarcasm in Textual Data
2.1.4	Nita V. Patil, Ajay Patil and B. V. Pawar.	71	Named Entity Recognition for Marathi: Gazetteer and Pattern Matching Approach
2.1.5	Amit Singh, Aditi Sharan	72	Semi-Supervised Genetic Programming Based Linkage Rule (S2GPLR) Miner for Entity Linking in Semantic Web
2.1.6	Mohd Zeeshan Ansari and Lubna Khan.	83	Context based Analysis of Lexical Semantics for Hindi Language
2.1.7	Bushra Siddique and M.M. Sufyan Beg	155	A Review of Reverse Dictionary: Finding Words from Concept Description
2.1.8	Yogesh Gupta, Ashish Saini and A.K. Saxena	262	Development of Term Selection based Automatic Query Expansion using document clustering approach
2.1.9	Ninni Singh and Neelu Jyothi Ahuja.	132	Learner Performance Triggered Pedagogy change for Adaptive Tutoring
2.1.10	Amit Kumar and Dr. Neelu Jyothi Ahuja.	142	SEISTUTOR: AN ADAPTIVE INTELLIGENT TUTORING SYSTEM FOR SEISMIC DATA INTERPRETATION

Track 2			
Intelligent Linguistics and Pragmatics			
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2.2.2	Meena Kumari, V.R Singh and Rakesh Ranjan.	146	Multi-objective Planning Of Rural Distribution System Using PSO
2.2.3	Mahalakshmi G.S., Ravi Kiran S and Makesh Narasimhan S.	175	Exploiting Bi-LSTMs for Named Entity Recognition in Indian Culinary Science
2.2.4	Neeha Ashraf and Manzoor Ahmad	250	Morphological Analysis of Kashmiri Language for Resource Grammar Development
2.2.5	Rochan Sharma, Nitin Pasi and Saurabh Shanu	253	An Automated Animal Classification System: A Transfer Learning Approach
2.2.6	Shreya Satyam, Vishvajit Bakarola, Vidhi Sutaria	277	Simulating the Paninian System of Word Formation in Sanskrit with Computational Linguistics for effective Machine Translation
2.2.7	Betina Antony and G. S. Mahalakshmi.	281	Tree-based Mining of Semantically Related Words in Tamil Biomedicine
2.2.8	Pradeep Tiwari and A D Darji.	282	Automatic Emotion Recognition and Speech Recognition using HTK, Kaldi and SVM
2.2.9	Pulkit Rathi, Raj Kuwar Gupta, Soumya Agarwal, Anupam Shukla, and Ritu Tiwari	144	Sign Language Recognition Using ResNet50 Deep Neural Network Architecture
2.2.10	Rintu Nath and A Nagaraju	274	Multi-workflow variant of Heterogeneous Earliest Finish Time Algorithm

Track 3			
Image Processing, Pattern Analysis and Machine Vision			
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3.1.1	Karishma Pawar and Vahida Attar.	259	Deep Learning approach for detection of anomalous activities from surveillance videos
3.1.2	Shikha Bhardwaj, Ms. Gitanjali Pandove and Pawan Kumar Dahiya.	224	An Unexcelled Color Fusion Descriptor for Image Retrieval with K-means Clustering
3.1.3	Prabhishek Singh, Manoj Diwakar and Raj Shree.	1	A comparative study of decomposition level using entropy and wiener function in wavelet transform
3.1.4	Roohi Sille, Dr. Piyush Chauhan, Dr. Durgansh Sharma	22	Deep Learning based Brain MRI Segmentation Algorithms
3.1.5	Ravin Kumar.	25	Adding binary search connections to improve DenseNet performance
3.1.6	Anand Kumar Srivastava, Pradeep Kumar Singh and Yugal Kumar.	26	A Taxonomy on Machine Learning Based Techniques to Identify the Heart Disease
3.1.7	Divya Gupta and Kanak Saxena.	30	Prediction and analysis of ecological climatic conditions (Humidity/Temperature) of different countries fly-ash using data mining techniques
3.1.8	Neelam Dwivedi, Dushyant Kumar Singh, and Dharmender Singh Kushwaha	53	An Approach for Unattended Object Detection through Contour Formation using Background Subtraction
3.1.9	Swapnali Naik and Mala Kalra.	74	Big Data Processing with Balanced Resource Utilization
3.1.10	Shruti Pallawi.	88	Alzheimer disease detection using Edge Enhanced K Means Clustering Algorithm
3.1.11	Jai Prakash Verma, Sapan Mankad and Sanjay Garg.	198 (Track 5)	A Graph based Analysis of User Mobility for a Smart City Project

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Image Processing, Pattern Analysis and Machine Vision			
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3.2.2	Gunjan Ansari, Medhavi Gupta, Himanshi Gupta, Akansha Mangal and Tanvir Ahmad.	77	A fuzzy approach for opinion summarization of product reviews
3.2.3	Sreeja P. S and G. S. Mahalakshmi	103	A Semantic-based Emotion Recognition System for Poems
3.2.4	Nitin Arora, Aditya Kakde and Durgansh Sharma	111	Novel Architecture towards predictive analytics of pneumonia patients
3.2.5	B.S.Sathish, Ganesan.P, Dola Sanjay S1, A.Ranganayakulu, S. Jagan Mohan Rao	112	An Approach to Threshold based Human Skin Color Recognition and Segmentation in Different Color Models
3.2.6	Kapil Joshi, N.K Joshi, Manoj Diwakar, Himanshu Gupta and Dev Baloni.	118	Cross Bilateral Filter Based Image Fusion in Transform Domain
3.2.7	Aditi Seetha and Urjita Thakar.	130	Finding Customer Loyalty Based on Weighted RFMD Clustering Model
3.2.8	Rohit Srivastava and Dr. Prateek Srivastava.	131	A Multimodal system outline for Biometric confirmation in view of the combination of Face, Fingerprint and Palmprint highlights utilizing Filter and SURF computation
3.2.9	Navamani T M, Tajinder Singh Sondhi, Shivam Ghidiyal	84	DigiVoter: Blockchain Secured Digital Voting Platform with Aadhaar ID Verification

Track 3			
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3.3.2	Saurabh Agrawal, Dilip Singh Sisodia and Naresh Kumar Nagwani.	139	Neuro-Fuzzy Approach for Reconstruction of 3-D Spine Model using 2-D Spine Images and Human Anatomy
3.3.3	Sandeep Chand Kumain and Kamal Kumar.	140	A Novel Filter For the Detection of Object Boundary and Edges in Noisy and Non-Noisy Images.
3.3.4	Ritika Dubey, Aditi Narang and Vijay Khare.	205	Parkinson's Disease Diagnosis by fMRI images using MFCC feature extraction
3.3.5	Aritra Mukherjee , Soumik Sarkar and Sanjoy Kumar Saha	209	Real Time 3D Object Detection from Stereo Image Based on Semantic Clustering of Disparity Map
3.3.6	Anuj Singh, Arun Vikram, M.P. Singh and Sudhakar Tripathi.	213	Classification of Neuromuscular Disorder using Machine Learning Techniques
3.3.7	Kamaljeet Kaur and Atul Garg.	216	AN IMPROVED APPROACH OF CLUSTERING TO REDUCE OUTLIERS IN BIG DATA
3.3.8	S.Jeya Bharathi, P.Balamanikandan and E.G.Rajan	229	Spectral Analysis of Codons in Fragile Mental Retardation Gene

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3.4.2	Bibhuprasad Sahu, Saroj Kumar Rout and Sachi Nandan Mohanty.	258	Efficient role of machine learning classifiers in prediction and detection of breast cancer
3.4.3	Sabyasachi Mukherjee, Oishila Bandyopadhyay and Arindam Biswas.	278	Detection of Anomalous Brain MRI and Prediction of Disease using Digital Geometric Approaches
3.4.4	Sandeep Chand Kumain and Kamal Kumar.	296	A Quartile Based Novel Approach For The Reduction Of Salt And Pepper Noise
3.4.5	Devinder Singh and Amandeep Kaur	310	Improved Fuzzy Based Non Local Mean Filter to Denoise Rician Noise
3.4.6	Roshni Tayal, Maheep Singh and Dr. Manish Shrivastava.	220	An Empirical Investigation of Deep Learning Approaches in YouTube Spam Classification.
3.4.7	Shaveta Tatwani and Ela Kumar.	238	A comparative study of various feature selection techniques for classification of microarray data
3.4.8	Namarta Chopra, Dr. Y.S. Brar and Dr. J.S. Dhillon.	266	A comparative evolutionary analysis of improved simplex based particle swarm optimization

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4.1.2	Narander Kumar and Jitendra Kumar Samriya.	31	EAAP: Efficient Authentication Agreement Protocol Policy for Cloud Environment
4.1.3	Radhesh Khanna and Shashank Sharma.	40	iDJ : Intrusion Detection System in Java
4.1.4	Dr. Shamik Tiwari	299	A Blur Classification Approach using Convolution Neural Network
4.1.5	Manju Rani, Dinanath and Naveen Kumar.	59	A new hybrid backstepping approach for the position/force control of mobile manipulators
4.1.6	Sonia Sharma, Parag Jain	62	Performance Evaluation of Fair and Capacity Scheduler in Hadoop: A Review
4.1.7	Saurabh Jain and Rajesh Doriya.	66	Security Issues and Solutions in Cloud Robotics: A Survey
4.1.8	Ashish Sharma and Sanjay Kumar.	70	REPUTATION & QoS PARAMETER BASED TRUST ESTIMATION FOR ENHANCING THE SECURITY STRENGTH OF CLOUD COMPUTING SERVICES
4.1.9	K. Dinesh Rajan, G. Sai Thrilok, CH. Bala Ayyappa, M. Srinivas, B.S. Sathish, Dola Sanjay S, A.Ranganayakulu1, S. Jagan Mohan Rao, Ganesan.P	105	Advanced Design of Service Robot for Aged and Handicapped Using Raspberry Pi
4.1.10	Roopali , Rakesh Kumar	68	Ubiquitous Healthcare using Sensor Analyst Systems

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Disruptive Technologies for Future			
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4.2.2	Sanjay Kumar and Narendra Singh Harariya.	92	Energy aware SEP based on dual cluster heads and dual-sink approach in WSN
4.2.3	Kandula Bala Sindhuri, Padma Vasavi Kalluru and Dr.I.Santi Prabha.	119	Realization of a Low power and Area-Efficient VLSI Architecture for FIR filter using modified MAC
4.2.4	Harvinder Singh, Sanjay Tyagi and Pardeep Kumar.	168	A Review on Cloud Simulation Tools for Resource Scheduling
4.2.5	Mousumi Dutt, Arindam Biswas and Bhargab B. Bhattacharya	183	Shape Characterization using Shortest Isothetic Paths
4.2.6	Vishal Puri and Dr. A. Ramesh Babu.	79	An Effective Optimisation Algorithm for Sensor Deployment Problem in Wireless Sensor Network
4.2.7	Vishal Puri and Dr. A. Ramesh Babu.	80	A Review of Sensor Deployment Problem in Wireless Sensor Network
4.2.8	Udaya Kumar N, Kandula Bala Sindhuri, Kagitha Rajesh and Vasi Soma Sandeep.	136	Performance Analysis of Serial Adder Using Multiplexer Based Adders
4.2.9	Amrik Singh, Ajay Prasad and Yoginder Talwar	319	Compact and Secure S-Box Implementations of AES –A Review (As per availability)

Track 4			
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4.3.2	Leena Bhole and Maya Ingle.	252	System Architecture for Emotion Recognition based on Linear Parameters of EEG Signals
4.3.3	Apurva Saxena and Anubha Dubey.	275	Data Security in Cloud Environment Using Production Honey-pot :a new approach
4.3.4	Adarsh Kumar, Alok Aggarwal and Neelu Jyoti.	286	Action, Decision and Monitoring based Multilayered Outlier Detection Model for Resource Constraint MANET
4.3.5	Bikram Pratim Bhuyan and Sajal Saha.	298	Selection Of Mobile Node Using Game And Graph Theory For Video Streaming Application
4.3.6	Ajish S and Dr. Anilkumar K S.	178	Secure Smart Phone I-Voting System using QR code and Bio-Metric Authentication
4.3.7	Rahul Kumar Singh, Pardeep Singh, Rajeev Tiwari and Shuchi Upadhyay	318	Implementation and analyses for Run-time Complexity of 5-State Busy Beaver
4.3.8	Rohit Sachan, Suraj Gupta and Dharmender Singh Kushwaha.	18	Solving the Uncapacitated Single Allocation p-Hub Location Problem with Fixed Cost using Anti-Predatory NIA

Track 5			
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5.1.2	Amit Kumar Shakya and Ayushman Ramola, Yash Tandon, Anurag Vidyarthi	10	A Matrix based Mathematical Model for Redundant Data Reduction from DICOM Images
5.1.3	Amit Kumar Shakya*, Prag Mittal, Anurag Vidyarthi, Rishi Prakash	12	Texture Redefined: A Second Order Statistical based Approach for Brodatz Dataset Samples 36-64 (B)
5.1.4	Shemi P M, Jibukumar M G, Ali M A	166	Performance Analysis of Relay Selection based on Ant Colony Optimization in AF and DF Cooperative Network
5.1.5	Pragya Solanki and Himanshu Sahu.	223	A New Solution for Multi-Objective Optimization Problem using Extended Swarm Based MVMO
5.1.6	Amol Adamuthe and Akshayya Jadhav	241	Hyperheuristic Framework with Evolutionary and de-terministic algorithms for Virtual Machine Placement Problem
5.1.7	Gianfranco E. Modoni, Enrico G. Caldarola, Marco Sacco, Katarzyna Wasielewska, Maria Ganzha and Marcin Paprzycki	313	Integrating the AAL CasAware platform within an IoT ecosystem, leveraging the INTER-IoT approach
5.1.8	Giorgi Mamatsashvili, Konrad Gancarz, Weronika Lajewska, Maria Ganzha and Marcin Paprzycki	317	Software agents in support of scheduling group training
5.1.9	Ikedianchi Ayodele Power Wogu1; Sanjay Misra Oluwakemi Deborah Udoh; Benedict. C. Agoha Muiyiwa Adeniyi Sholarin1; Ravin Ahuja	100	Artificial Intelligence Politicking and Human Right Violations in UK's Democracy: A Critical Appraisal of the Brexit Referendum