

Day # 01: 06th September, 2019; Friday

**08:00 AM -
9:30 AM**

Registration, Venue New Building Reception, The NorthCap University

Inaugural Session, Venue: Auditorium, The NorthCap University

9:30-9:40

**Arrival of Chief Guest - Prof. B. K. Kuthiala, Chairperson,
Haryana State Higher Education Council, Panchkula**

9:40-9:45

Lighting of Lamp

9:45-9:50

Saraswati Vandana

9:50-9:55

Welcome of Chief Guest

9:55-10:00

**Welcome address by Pro Chancellor, The NorthCap University,
Gurugram, India**

**9:30 AM -
11:50 AM**

10:00-10:05

**Welcome address by Vice Chancellor, The NorthCap University,
Gurugram, India <http://rusa.nic.in/haryana/state-higher-education-council/>**

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| 10:05-10:20 | Address by Chief Guest -Prof. B. K. Kuthiala, Chairperson, Haryana State Higher Education Council, Panchkula |
| 10:20-11:00 | Keynote address by Prof. Yaw Ling Lin, Providence University, Taiwan |
| 11:00-11:35 | Keynote address by Dr. B. K. Murthy, Senior Director, the Ministry of Electronics and IT (MeitY), Government of India |
| 11:35-11:50 | Vote of Thanks - HOD, Dept of CSE/IT, The NorthCap University, Gurugram, India |

11:50-12:00 Tea Break

Session # 1.1
06th September, 2019; Friday, Room No: RN 302
Time: 12:00 PM to 2:00 PM

| Paper_ID | Author's_Name | Paper_Title |
|-----------------|---|---|
| 1 | Asif Khan, Amit Yadav, Keqin Chen and Kun Zhu | Credit Fraud Detection Based on Hybrid Credit Scoring Model |
| 81 | Radha P and Divya R | An efficient detection of HCC-recurrence in clinical data processing using boosted decision tree classifier |
| 99 | Baskar Arumugam, Aakash Krishna Gs, Vijay Nirmal Ponb and Saumya Rai | Vision System with 3D Audio Feedback to assist Navigation for Visually Impaired |
| 10 | Ankit Shah and Mamta Padole | Saksham: Resource Aware Block Rearrangement Algorithm for Load Balancing in Hadoop |
| 51 | Deepika Bansal, Kavita Khanna, Rita Chhikara, Rakesh Kumar Dua, Rajeev Malhotra | Classification of Magnetic Resonance Images using Bag of Features for Detecting Dementia |

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| 340 | Ruby Singh, Chiranjit Dutta, Niraj Singhal and Tanupriya Choudhury | An Improved Vehicle Parking Mechanism to Reduce Parking Space Searching Time Using Firefly Algorithm and Feed Forward Back Propagation Method |
| 711 | Karan V, Pooja Shettar, Narayan D G, Somashekar Patil, Manjunath Asundi and Kishor Channal | Distributed Denial of Service (DDoS) Attacks Detection System for OpenStack-based Private Cloud |
| 14 | G G Rajput, Bharati M Reshmi, Bharathi Malakreddy A and Rajesh I S | Automatic Detection and Grading of Diabetic Maculopathy Using Fundus Images |
| Session # 1.2 06th September, 2019; Friday Room No: RN 303 Time: 12:00 PM to 2:00 PM | | |
| 529 | Sheba Diamond Thabah and Prabir Saha | Low Quantum Cost Realization of Reversible Binary-Coded-Decimal Adder |
| 19 | Bushra Kidwai and Nadesh Rk | Design and Development of Diagnostic Chabot for supporting Primary Health Care Systems. |
| 21 | Gurjot Singh Gaba | A Lightweight Authentication Protocol using Implicit Certificates for Securing IoT Systems |
| 29 | Vineet Kumar | Fourier Inspection of Average & RMS Tools |
| 36 | Hemlata Jain, Ajay Khunteta and Sumit Shrivastav | Churn Prediction in Telecommunications using Logistic Regression and Logit Boost |
| 37 | Avishek Garain and Dipankar Das | K-RMS Algorithm |
| Session # 1.3 06th September, 2019; Friday, Room No: RN 304 Time: 12:00 PM to 2:00 PM | | |
| 48 | Mansi Lather and Parvinder Singh | Investigating Brain Tumor Segmentation and Detection Techniques |
| 63 | Era Johri, Rachana Gandhi, Bhakti Kantariya and Unnati Mistry | Service Orchestration in HealthCare Systems using Blockchain Technology |
| 64 | Rupal Bhargava and Yashvardhan Sharma | Deep Extractive Text Summarization |
| 65 | Rupal Bhargava, Gargi Sharma and Yashvardhan Sharma | Deep Text Summarization using Generative Adversarial Networks in Indian Languages |

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| 670 | Vyngra Aleksei V | Analysis of the starting characteristics of the complex maritime systems |
| 535 | Gaurav Hajela, Meenu Chawla and Akhtar Rasool | A Clustering Based Hotspot Identification Approach For Crime Prediction |
| 73 | Gayatri S Pandi, Saurabh Shahb and K H Wandrac | Cybercrime through the cloud and its impact |
| Session # 1.4 06th September, 2019; Friday , Room No: RN 305 Time: 12:00 PM to 2:00 PM | | |
| 77 | Garv Modwel, Anu Mehra, Dr Nitin Rakesh and Dr. K. K. Mishra | Smart Two Wheeler Navigation System for Smarter Drive and Live Object Detection |
| 79 | Monika Saini, Ashish Kumar and Gursharan Kaur | Research Perception, Motivation and Attitude among Undergraduate Students: A Factor Analysis Approach |
| 2 | Vineet Kumar | CSD Based DR Approach for the Solution of Differential Equation of LTI SISO System of Causal Type |
| 92 | Lalin Laudis, Shilpa Shyam and Ramadass N | An Adaptive Symbiosis based Metaheuristics for Combinatorial Optimization in VLSI |
| 95 | Sheshang Degadwala, Mohini Kulkarni and Dhairya Vyas | Novel Image Watermarking Approach against Noise and RST Attacks |
| 604 | Prakhar Shrivastava, Kapil Soni and Akhtar Rasool | Classical equivalent quantum unsupervised learning algorithms |
| 97 | Chaman Verma, Veronika Stoffova and Zoltan Illes | Prediction of Residence Country of Student towards Information,Communication and Mobile Technology for Real-Time: Preliminary Results |

Session # 1.5**06th September, 2019; Friday, Room No: RN 306****Time: 12:00 PM to 2:00 PM**

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| 3 | Sangeetha Rajesh and Nalini N J | Musical instrument emotion recognition using deep recurrent neural network |
| 103 | Pratibha Chaudhary, Ritu Gupta, Abhilasha Singh, Pramathesh Majumder and Ayushi Pandey | Joint image compression and encryption using a novel column-wise scanning and optimization algorithm |
| 707 | Shobha Rani and Vasudev T | 2D Morphable Feature Space for Handwritten Character Recognition |
| 108 | Amit Khaparde | Analysis of New Distributed Differential Evolution Algorithm with Best Determination Method and Species Evolution |
| 112 | Shobha Rani N, Karthik U and Ranjith S | Extraction of Gliomas from 3D MRI Images using Convolution Kernel Processing and Adaptive Thresholding |
| 116 | Sushreeta Tripathy and Tripti Swarnkar | Unified Preprocessing and Enhancement Technique for Mammogram Images |

Session # 1.6**06th September, 2019; Friday, Room No: RN 307****Time: 12:00 PM to 2:00 PM**

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| 117 | Mohit Agarwal, Suneet Kumar Gupta, Abhishek Singh, Siddhartha Arjaria and Amit Sinha | ToLeD: Tomato Leaf Disease Detection using Convolution Neural Network |
| 520 | Sunita Tiwari, Anu Saini, Vaibhav Paliwal, Ajay Singh, Rajat Gupta and Ruchika Mattoo | Implicit Preferences Discovery for Biography Recommender System Using Twitter |
| 118 | Malathi P, Abhijeet Sridhar M, Akshita Paliwal and Gireesh Kumar T | Maximizing the Embedding Efficiency Using Linear Block Codes in Spatial And Transform Domains |
| 130 | Jyoti Tripathi, Anu Saini, Kishan Singh, Nikhil Adlakha and Shahjad Ahmed | Enhanced Visual Cryptography: An Augmented Model for Image Security |
| 133 | Pranavi Vashishtha and Tanupriya Choudhury | DMAPS: An Effective and Efficient Way for the Air Purification of the Outdoors |
| 137 | Punam Kumari and Seeja K.R. | Periocular Biometrics for non-ideal images: with off-the-shelf Deep CNN & Transfer Learning approach |

Session # 1.7**06th September, 2019; Friday, Room No: RN 308****Time: 12:00 PM to 2:00 PM**

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| 139 | Trina Som, Maneesha Dwivedi, Chhaya Dubey and Ajit Sharma | Parametric Studies on Artificial Intelligence Techniques for Battery SOC Management and Optimization of Renewable Power |
| 143 | Ashish Kumar Sahu and Pragya Dwivedi | Aligned Intrinsic User Features Knowledge Transfer in Cross-domain Recommender Systems |
| 777 | Wilver Auccahuasi, Fernando Sernaque, Edward Flores, Alcides Garzon, Arturo Barrutia and Elizabeth Ore | Analysis of the chromatic characteristics, on land cover types using synthetic aperture images |
| 149 | Ketaki Joshi and Bhushan Patil | Prediction of Surface Roughness by Machine Vision using Principal Components based Regression Analysis |
| 151 | Nazia Tabassum and Tanvir Ahmad | Extracting Users' Explicit Preferences from Free-text using Second Order Co-occurrence PMI in Indian Matrimony |
| 152 | Gopal Chandra Jana, Ratna Sharma and Anupam Agrawal | A 1D-CNN-Spectrogram Based Approach for Seizure Detection from EEG Signal |

Session # 1.8**06th September, 2019; Friday, Room No: RN 309****Time: 12:00 PM to 2:00 PM**

| | | |
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| 160 | Anish Vijan, Parth Dubey and Shruti Jain | Comparative Analysis of Various Image Fusion Techniques for Brain Magnetic Resonance Images |
| 738 | Wilver Auccahuasi, Edward Flores, Fernando Sernaque, Juanita Cueva, Monica Diaz and Elizabeth Ore | Recognition of hard exudates using Deep Learning |
| 638 | Kapil Soni and Akhtar Rasool | Pattern Matching: A Quantum Oriented Approach |
| 335 | Nancy Singla, Manvjeet Kaur and Sanjeev Sofat | Latent Fingerprint Database Using Reflected Ultra Violet Imaging System |

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| 255 | Monika Gill and Dinesh Singh | ACO Based Container Placement for CaaS in Fog Computing |
| 171 | Sujata Khedkar and Dr. Subash Shinde | Deep Learning and Ensemble Approach for Praise or Complaint Classification |
| Session # 1.9 06th September, 2019; Friday, Room No: RN 405 Time: 12:00 PM to 2:00 PM | | |
| 175 | Vrajesh Kumar Chawra and Govind Gupta | Load Balanced Node Clustering scheme using Improved Memetic Algorithm based Meta-heuristic Technique for Wireless Sensor Network |
| 176 | Ekaterina Pecherskaya, Timur Zinchenko, Pavel Golubkov, Dmitriy Artamonov, Gennadiy Kozlov and Yuliya Shepeleva | Automated Spectrophotometer Control System |
| 557 | Diwaker Pathak, Gautam Sagar and Prema Gaur | An Application of Intelligent Non-linear Discrete-PID Controller for MPPT of PV System |
| 183 | Priya Parmar and Dr. Madhuri Bhavsar | Achieving Trust using RoT in IaaS Cloud |
| 187 | Mridul Ghosh, Himadri Mukherjee, Sk. Md. Obaidullah, K.C. Santosh, Nibaran Das and Kaushik Roy | Artistic multi-script identification at character level with extreme learning machine |
| 188 | Ashish Dutta and A.P.S. Rathore | Estimating Ergonomic Compatibility of Cars: A Fuzzy Approach |
| 775 | Praveen Dhulavvagol | Blockchain Ethereum Clients Performance Analysis Considering E-Voting Application |
| Session # 1.10 06th September, 2019; Friday, Room No: RN 406 Time: 12:00 PM to 2:00 PM | | |
| 191 | Prabira Kumar Sethy | Image Processing Techniques for Diagnosing Rice Plant Disease: A Survey |
| 193 | Prabira Kumar Sethy and Santi Kumari Behera | Identification, Classification & Grading of Fruits Using Machine Learning & Computer Intelligence: A Review |
| 210 | Sahil Dalal and Virendra P. Vishwakarma | GA based KELM Optimization for ECG Classification |
| 262 | Tanmay Sarkar, Rajanya Bhattacharjee, Molla Salauddin, Anubhab Giri and Runu Chakraborty | Application of Fuzzy Logic Analysis on Pineapple Rasgulla |

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| 199 | Neha Sharma, Usha Batra and Sherin Zafar | Remit Accretion in IOT Networks Encircling Ingenious Firefly Algorithm Correlating Water Drop Algorithm |
| 203 | Sahil Dalal, Virendra P. Vishwakarma and Sanchit Kumar | Feature-based Sketch-Photo Matching for Face Recognition |
| Session # 1.11 06th September, 2019; Friday, Room No: RN 407 Time: 12:00 PM to 2:00 PM | | |
| 204 | A Santhanavijayan, Naresh Kumar D and Gerard Deepak | A Novel Semantic Approach for Intelligent Response Generation using Emotion Detection Incorporating NPMI Measure |
| 457 | Amit Kumar Sharma, Sandeep Chaurasia and Devesh Kumar Srivastava | Sentimental Short Sentences Classification by Using CNN Deep Learning Model with Fine Tuned Word2Vec |
| 564 | Praveen M Dhulavvagol | Performance Analysis of Distributed Processing System using Shard Selection Techniques on Elastic Search |
| 214 | Anita Yadav, C K Jha, Aditi Sharan and Vikrant Vaish | Sentiment analysis of financial news using unsupervised approach |
| 215 | Mehar Vijn, Deeksha Chandola, Vinay Anand Tikkiwal and Arun Kumar | Stock Closing Price Prediction using Machine Learning Techniques |
| 217 | Himadri Mukherjee, Ankita Dhar, Mridul Ghosh, Sk. Md. Obaidullah, Kc Santosh, Santanu Phadikar and Kaushik Roy | Music chord inversion shape identification with LSTM-RNN |
| 654 | Anita Yadav, C K Jha and Aditi Sharan | Optimizing LSTM for time series prediction in Indian stock market |
| Session # 1.12 06th September, 2019; Friday, Room No: RN 408 Time: 12:00 PM to 2:00 PM | | |
| 221 | Deeksha Chandola, Harsh Gupta, Vinay Anand Tikkiwal and Manoj Kumar Bohra | Multi-step ahead forecasting of global solar radiation for arid zones using deep learning |
| 224 | Ankit Thakkar and Ritika Lohiya | A Review of the Advancement in Intrusion Detection Datasets |
| 225 | Jyoti Arora and Meena Tushir | An Enhanced Spatial Intuitionistic Fuzzy C-means Clustering for Image Segmentation |
| 229 | Shikha Gupta and Anuradha Chug | Assessing Cross-Project Technique for Software Maintainability Prediction |

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| 230 | Aswathy M.A. and Jagannath Mohan | Performance Analysis of Segmentation Algorithms for the Detection of Breast Cancer |
| 283 | Praveen Challagidad and Mahantesh Birje | Efficient Multi-authority Access Control using Attribute-based Encryption in Cloud Storage |
| Session # 1.13 06th September, 2019; Friday, Room No: RN 203 Time: 12:00 PM to 2:00 PM | | |
| 232 | Sougata Sheet, Anupam Ghosh, Ranjan Ghosh and Amlan Chakrabarti | Identification of Cancer Mediating Biomarkers using Stacked Denoising Autoencoder Model - An Application on Human Lung Data |
| 234 | Urvashi S, Meenakshi Sood and Emjee Puthooran | Predictor Based Block Adaptive Near-Lossless Coding Technique for Magnetic Resonance Image Sequence |
| 236 | Neha Prerna Tigga and Shruti Garg | Prediction of Type 2 Diabetes using Machine Learning Classification Methods |
| 543 | Sunesh Malik and Rama Kishore Reddlapalli | A Novel and Efficient Blind Image Watermarking In Transform Domain |
| 250 | Vijayendra Shende, Poonam Poonia and Pawan K. Ajmera | Palmprint Recognition using Robust Template Matching |
| 251 | Gerard Deepak, Santhanavijayan A and Naresh Kumar | A Semantic Approach for Entity Linking by Diverse Knowledge Integration incorporating Role-Based Chunking |
| Session # 1.14 06th September, 2019; Friday, Room No: RN 204 Time: 12:00 PM to 2:00 PM | | |
| 168 | Amlan Basu, Lykourgos Petropoulakis, Gaetano Di Caterina and John Soraghan | Indoor Home Scene Recognition Using Capsule Neural Networks |
| 256 | Gulpreet Kaur Chadha, Aakarsh Shrivastava, Abhilasha Singh, Ritu Gupta and Deepanshi Singla | An Automated Method for Counting Red Blood Cells using Image Processing |
| 197 | Anup Kumar Singh and Swapnajit Pattnaik | Matrix Converter Operated Hysteresis Current Controlled BLDC Motor Drive for Efficient Speed Control and Improved Power Quality |
| 176 | Ekaterina Pecherskaya, Timur Zinchenko, Pavel Golubkov, Dmitriy Artamonov, Gennadiy Kozlov and Yuliya Shepeleva | Automated Spectrophotometer Control System |
| 265 | Arjun Singh Saud and Subarna Shakya | Analysis of look back period for stock price prediction with RNN variants: A case study on banking sector of NEPSE |

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| 268 | Vaibhav Kamble | Automated diabetic retinopathy detection using radial basis function |
| 2:00 PM-2:30 PM Lunch, Café 10 | | |
| Workshop on “Artificial Intelligence Reasoning and Learning” Seminar Hall, Time: 2:30 PM to 5:00 PM | | |
| Tea Break, Venue New Building First Floor , Time: 4:45 PM to 5:00 PM | | |
| Session # 1.15 06th September, 2019; Friday, Room No: RN 302 Time: 5:00 PM to 6:00 PM | | |
| 270 | Soukaina Laabadi, Mohamed Naimi, Hassan El Amri and Boujemâa Achchab | A Binary Crow Search Algorithm for Solving Two-dimensional Bin Packing Problem with Fixed Orientation |
| 679 | Kunal Rohilla and Mohit Dua | Attribute Selection and Ensemble Classifier based novel approach to Intrusion Detection System |
| 676 | Saroj Pandey, Rekh Janghel and Vyom Bani | Patient Specific Machine Learning Models for ECG Signal Classification |
| 287 | Neel Mani, Akhil Singh and Shastri Nimmagadda | An IoT Guided Healthcare Monitoring System for Managing Real-Time Notifications by Fog Computing Services |
| Session # 1.16 06th September, 2019; Friday, Room No: RN 303 Time: 5:00 PM to 6:00 PM | | |
| 291 | Priyanka Maan, Dr Hukum Singh and Dr A Charan Kumari | Symmetric cryptosystem to secure images utilizing chaotic deterministic phase mask in Fresnel transform domain employing singular value decomposition |
| 304 | Anitha U | ROBUST HUMAN ACTION RECOGNITION SYSTEM VIA IMAGE PROCESSING |
| 314 | Karan Gupta and Nidhi Chawla | Analysis of Histopathological Images for Prediction of Breast Cancer Using Traditional Classifiers with Pre-Trained CNN |
| 332 | Anupam Bhardwaj, Pooja Khanna, Sachin Kumar and Pragya | Generative Model for NLP Applications based on Component Extraction |

Session # 1.17
06th September, 2019; Friday, Room No: RN 304
Time: 5:00 PM to 6:00 PM

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| 173 | Susmita Bakshi and Kalyan Bhar | Simulation of Tidal Morpho-dynamics in the Hooghly Estuary using CMS Flow and Artificial Neural Network Models |
| 316 | Manju D and Radha V | A Novel Approach for Pose Invariant Face Recognition in Surveillance Videos |
| 399 | Meenakshi Sood, Anjna Kumari and Pradeep Kumar Singh | Hybrid System for Detection and Classification of Plant Disease Using Qualitative Texture Features Analysis |
| 325 | Sheak Hasim and Kalyan Kumar Bhar | Seasonal Cropping Pattern Extraction Using NDVI from IRS LISS-III Image of Kangsabati Commanded Area |
| 329 | Puneet Sharma, Deepak Arora and T Sakthivel | Enhanced Forensic Process for Improving Mobile Cloud Traceability in Cloud-Based Mobile Applications |

Session # 1.18
06th September, 2019; Friday , Room No: RN 305
Time: 5:00 PM to 6:00 PM

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| 334 | Chander Kant and Sheetal Chaudhary | A Watermarking Based Approach for Protection of Templates in Multimodal Biometric System |
| 413 | Zena H. Khalil and S M. Abdullaev | Sensitivity of Winter Crops to climate variability in the irrigated subtropics of Iraq (Al-Diwaniyah) |
| 398 | Vinay Pathak, Karan Singh, Ahmed Aziz and Anshita Dhoot | Efficient and Compressive IoT based Health Care System for Parkinson's Disease Patient |
| 349 | Sreenivasulu Madichetty and Sridevi M | Improved Classification of Crisis-Related Data on Twitter using Contextual Representations |
| 350 | Sindhu Achuthankutty | A Method for Removing PET/CT Imaging Artifact Using Combination of Standard Deviation and Computational Geometry Technique |

Session # 1.19
06th September, 2019; Friday , Room No: RN 306
Time: 5:00 PM to 6:00 PM

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| 352 | Irshaad Ali and Mohit Dua | Smile Detection Using Data Amalgamation |
| 362 | Suman Raj and Sarfaraz Masood | Analysis and Detection of Autism Spectrum Disorder Using Machine Learning Techniques |
| 769 | Ujjwal Manikya Nath, Chanchal Dey and Rajani K. Mudi | Designing of dynamic Kalman filter for prediction of mean arterial blood pressure |

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| 494 | Kumud Tiwari, Sachin Kumar and R.K. Tiwari | FOG Assisted Healthcare Architecture for Pre-Operative Support to Reduce Latency |
| 378 | Disuja Kumari, Karan Singh and Manisha Manjul | Performance Evaluation of Sybil Attack in Cyber Physical System |
| Session # 1.20 06th September, 2019; Friday Room No: RN 307 Time: 5:00 PM to 6:00 PM | | |
| 393 | Omar A. Imran, Sura F. Yousif, Isam Salah Hameed, Wisam Najm Al-Din Abed and Ali Thaeer Hammid | Implementation of El-Gamal Algorithm for Speech Signals Encryption and Decryption |
| 784 | Wilver Auccahuasi, Percy Castro, Edward Flores, Fernando Sernaque, Alcides Garzon and Elizabeth Ore | Processing of fused optical satellite images through parallel processing techniques in multi GPU |
| 396 | Saad Qasim Abbas, Huda Amer Abd Al-Meer, Wasan Saad Ahmed and Ali Thaeer Hammid | A novel algorithm for generating an edge-regular graph |
| 476 | Ma Quanjin, Mohd Ruzaimi Bin Mat Rejab, Nallapaneni Manoj Kumar, M.S Idris, Mohd Haslizam Abdullah and Bo Zhang | Recent 3D and 4D Intelligent Printing Technologies A Comparative Review and Future Perspective |
| Session # 1.21 06th September, 2019; Friday, Room No: RN 309 Time: 5:00 PM to 6:00 PM | | |
| 416 | Andrei A Prokhorenkov, Vladimir V Karetnikov and Konstantin I Efimov | Methodology of ship handling in narrows using 3D navigation charts |
| 417 | Dmitrii Stepanova | Solution of the Burgers Shock Wave Equation in PTC MathCAD |
| 419 | Aleksey Sharatov | CFD modeling and study of additional medium jet impact on the blade of the propeller |
| 480 | Ali Idrees, Faezah Almasoudy and Wathiq Al-Yaseen | Differential Evolution Wrapper Feature Selection for Intrusion Detection System |
| 484 | Ali Idrees, Kahlaa Khairi and Dhiah Al-Shammary | High Performance Fractal Compression for EEG Health Network Traffic |
| Session # 1.22 06th September, 2019; Friday, Room No: RN 405 Time: 5:00 PM to 6:00 PM | | |
| 494 | Kumud Tiwari, Sachin Kumar and R.K. Tiwari | FOG Assisted Healthcare Architecture for Pre-Operative Support to Reduce Latency |
| 456 | Pranitha Boddu and Anjaneyulu Lokam | Analysis of Underwater Acoustic Communication System Using Equalization Technique for ISI Reduction |

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| 812 | Prerna Singal | Software Development Effort Estimation using Differential Evolution |
| 463 | Amam Hossain Bagdadee | IoT Based Wireless Sensor Network for Power Quality Management in Smart Grid |
| 468 | Vinita Malik and Sukhdip Singh | Evolutionary Computing Environments: Implementing Security Risks Management and Benchmarking |
| Session # 1.23 06th September, 2019; Friday, Room No: RN 406 Time: 5:00 PM to 6:00 PM | | |
| 470 | Nita Patil, Ajay Patil and B. V. Pawar | Named Entity Recognition using Conditional Random Fields |
| 474 | Ankit Thakkar, Kinjal Chaudhari and Monika Shah | A Comprehensive Survey on Energy-Efficient Power Management Techniques |
| 675 | Lokesh Singh, Rekh Ram Janghel and Satya Prakash Sahu | Designing a Retrieval-Based Diagnostic Aid using Effective Features to Classify Skin Lesion in Dermoscopic Images |
| 479 | Jatinderkumar Saini and Jasleen Kaur | Kāvi: An Annotated Corpus of Punjabi Poetry with Emotion Detection Based on 'Navrasa' |
| Session # 1.24 06th September, 2019; Friday, Room No: RN 407 Time: 5:00 PM to 6:00 PM | | |
| 422 | Shivani Jain, Dr Seeja K.R. and Prof Rajni Jindal | A new methodology for computing Semantic Relatedness: Modified Latent Semantic Analysis by Fuzzy Formal Concept Analysis |
| 444 | Raviraj Choudhary and Gaurav Meena | Image DeHazing Using Deep Learning Techniques |
| 485 | Anu Priya, Shruti Garg and Neha Tigga | Predicting Anxiety, Depression and Stress in Modern Life using Machine Learning Algorithms |
| 487 | Sharmila Sengupta and B.K. Lande | An approach to PAPR Reduction in OFDM using Goppa codes |
| Session # 1.25 06th September, 2019; Friday, Room No: RN 408 Time: 5:00 PM to 6:00 PM | | |
| 490 | Ganesh Babu R, Karthika P and Manikandan G | Polynomial Equation Based Localization and Recognition Intelligent Vehicles Axis using Wireless Sensor in MANET |
| 491 | Karthika P, Ganesh Babu R and Jayaram K | Biometric Based on Steganography Image Security in Wireless Sensor Networks |

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| 449 | Rama Krishna Reddy Guduru, Harpreet Singh and Aurelijus Domeika | Modelling of Heuristic Distribution Algorithm to Optimize Flexible Production Scheduling in Indian Industry |
| 619 | Bharti Nathani, Nisheeth Joshi and Prof. G.N Purohit | Design and Development of Unsupervised Stemmer for Sindhi Language |
| 277 | Lakshmi K S and Vadivu G | Network based approach for discovering novel gene-phenotypic association and disease co morbidities using ontological data |
| Session # 1.26 06th September, 2019; Friday, Room No: RN 203 Time: 5:00 PM to 6:00 PM | | |
| 505 | Ashima Kukkar, Rajni Mohana and Yugal Kumar | Does bug report summarization help in enhancing the accuracy of bug severity classification? |
| 507 | Yesoda Bhargava and Javaid Nabi | The opportunities, challenges and obligations of Fitness Data Analytics |
| 508 | Ujjwal Manikya Nath, Chanchal Dey and Rajani K. Mudi | Designing of Fuzzy rule based switching mechanism for IMC controller for temperature controlling process |
| 624 | Anand Shanker Tewari | Generating Items Recommendations by Fusing Content and User-Item based Collaborative Filtering |
| 512 | Srishti Vashishtha and Seba Susan | Inferring Sentiments from Supervised Classification of Text and Speech cues using Fuzzy Rules |
| 6:15 PM - 8:30 PM | | |
| Cultural Night and Dinner | | |
| Day # 02: 07th September, 2019; Saturday | | |
| 8:30 AM-9:30 AM Keynotes | | |
| Seminar Hall, The NorthCap University | | |

Dr. Gurjit Singh Walia, Scientist 'E', Defence Research and Development Organization, India

Mohamed Alatroush, Founder & Chief Executive Officer, Remotera, Cairo, Egypt

Session # 2.1

07th September, 2019; Saturday, Room No: RN 302

Time: 9:00 AM to 11:00 AM

| | | |
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| 514 | Pardeep Kumar and Ashish Parmar | Versatile Approaches for Medical Image Compression: A Review |
| 515 | Nagma Khattar, Jaiteg Singh and Jagpreet Sidhu | Comparative analysis of VM consolidation algorithms for cloud computing |
| 516 | Harish Kumar Taluja, Anuradha Taluja, Anil Kumar Solanki and Krishna Kant Singh | Progressive Machine Learning Approach with WebAstro for Web Usage Mining |
| 123 | Don S | Random Subset Feature Selection and Classification of Lung Sound |
| 765 | Devendrasinh Vashi, Dr. Harshad Bhadka, Dr. Kuntal Patel and Dr. Sanjay Garg | An Efficient Hybrid Approach of Attribute Based Encryption For Privacy Preserving Through Horizontally Partitioned Data |
| 524 | Naveen Singh Dagar and Pawan Kumar Dahiya | Edge Detection Technique using Binary Particle Swarm Optimization |
| 18 | Ram Chandra Bhushan and Dharmendra K Yadav | Verification of Virtual Machine Architecture in a Hypervisor through Model Checking |
| 531 | Asharul Khan and Salim Al-Habsi | Machine Learning Applications in Computer Vision |

Session # 2.2

07th September, 2019; Saturday, Room No: RN 303

Time: 9:00 AM to 11:00 AM

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| 533 | Indrajeet Kumar, Vikash Sachan, Ravi Shankar and Ritesh Kumar Mishra | Performance Analysis of Multi-User Massive MIMO Systems with Perfect and Imperfect CSI |
| 538 | Mudasir Bhat, Majid Zaman and Muheet Butt | An Intelligent Prediction System for Educational Data Mining Based on Ensemble and Filtering approaches |
| 540 | Chhaya Grover and Dr. Neelam Turk | Rolling Element Bearing Fault Diagnosis using Empirical Mode Decomposition and Hjorth Parameters |
| 542 | Ritu Garg and R. K. Singh | Analysis and Prioritization of Design Metrics |

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| 246 | Suprativ Saha and Tanmay Bhattacharya | An Approach to Enhance the Design of Protein Sequence Classifier Using Data Mining |
| 501 | Rachana Patil and Satish Devane | Formal Verification of Secure Evidence Collection Protocol using BAN Logic and AVISPA |
| 544 | Amit Sehgal, Krishna Kant Singh, Rakhi Bhardwaj and Rajeev Agrawal | RELIABILITY ANALYSIS OF WIRELESS LINK FOR IOT APPLICATIONS UNDER SHADOW-FADING CONDITIONS |

Session # 2.3

07th September, 2019; Saturday, Room No: RN 304

Time: 9:00 AM to 11:00 AM

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| 547 | Suman Deb, Tutan Nama, Barnita Debnath and Pooja Kumari | Designing a humanoid robot integrated Exer-Learning-Interaction(ELI) |
| 548 | Suman Deb and Subham Saha | BYOD Supported Multi-modal Classroom Interaction |
| 231 | P Yugander, Ch Tejaswini, J Meenakshi, K Sampath Kumar, B.V.N Suresh Varma and M Jagannath | MR Image Enhancement using Adaptive Weighted Mean Filtering and Homomorphic Filtering |
| 772 | Hetal Gandhi and Vahida Attar | Extracting Aspect Terms Using CRF and Bi-LSTM Models |
| 551 | Anshul Pareek and Nidhi Arora | Re-projected SURF Features Based Mean-Shift Algorithm For Visual Tracking |
| 553 | Sarika Choudhary | Analysis of KDD-Cup'99, NSL-KDD and UNSW-NB15 Datasets using Deep Learning in IoT |
| 560 | Subrata Mukherjee | Gearbox Fault Diagnosis using Advanced Computational Intelligence |

Session # 2.4

07th September, 2019; Saturday, Room No: RN 305

Time: 9:00 AM to 11:00 AM

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| 562 | Subrata Mukherjee | An Improved Signal Pre-Processing Method for Gearbox Faults Features Extraction |
| 563 | Vijendra Pratap Singh, Manish Kumar Pandey, Pangambam Sendash Singh and Subbiah Karthikeyan | An Econometric Time Series Forecasting Framework for Web Services Recommendation |
| 812 | Prerna Singal | Software Development Effort Estimation using Differential Evolution |
| 565 | Swaranjit Singh, Vivek Thapar and Sachin Bagga | Exploring the hidden patterns of cyberbullying on social media |

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| 358 | Krishna Kant Singh, Amit Rai and Akansha Singh | Landsat 8 OLI Satellite Image Classification using Convolutional Neural Network |
| 567 | Subhankar Mishra | Learning from Usage Analysis of Mobile Devices |
| 568 | Seema Rathee and Saroj Ratnoo | Feature Selection using Multi-objective CHC Genetic Algorithm |
| Session # 2.5 07th September, 2019; Saturday, Room No: RN 306 Time: 9:00 AM to 11:00 AM | | |
| 573 | Madhu Arora and Dr. Mamta Mittal | Relation of Live Projects with Employability: Using Path Analysis Model |
| 574 | Aadil Kazi, Akshay Saasthanmath, Dr. Meena S M, Sunil Gurlahosur and Uday Kulkarni | Detection of holes in 3D architectural models using shape classification based Bubblegum algorithm |
| 252 | Manisha Jangra, Sanjeev Kr. Dhull and Krishna Kant Singh | ECG Beat Classifiers: A Journey from ANN To DNN |
| 492 | Swarup Kr Ghosh, Biswajit Biswas and Anupam Ghosh | A novel Approach of Retinal Image Enhancement using PSO System and Measure of Fuzziness |
| 576 | Prashant Kumar, Ashis Kumar Das, Prachita and Suman Halder | Time-domain HRV Analysis of ECG Signal under Different Body Postures |
| 578 | Priyanka Jindal and Dharmender Kumar | Feature Extraction and Selection of kidney Ultra-sound Images Using GLCM and PCA |
| 579 | Ujjwal Gulati, Ishaan Ishaan and Rajeshwar Dass | Intelligent Car with Voice Assistance and Obstacle Detector to Aid the Disabled |
| Session # 2.6 07th September, 2019; Saturday, Room No: RN 307 Time: 9:00 AM to 11:00 AM | | |
| 580 | Honey Jindal, Neetu Sardana and Raghav Mehta | Analyzing Performance of Deep Learning Techniques for Web Navigation Prediction |
| 582 | Pooja Khanna and Sachin Kumar | Adaptive Power Management Prototype Employing Intelligent Scheduling of Time and Solar Tracker |
| 584 | Poonam Sheoran and J.S. Saini | A New Method for Automatic Electrooculogram and Eye Blink Artifacts Correction of EEG Signals using CCA and NAPCT |
| 587 | Rajeshwari B S and Dr. Dakshayini M | Optimized Bit Matrix based Power Aware Load Distribution Policy for Federated Cloud |

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| 590 | Uttam Singh Singh, Shweta Kedas, Sikakollu Prasanth, Arun Kumar, Vijay Bhaskar Semwal and Vinay Anand Tikkiwal | Design of A Recurrent Neural Network Model for Machine Reading Comprehension |
| 593 | Vandana Singh, U. Srinivasulu Reddy and G. Manju Bhargavi | A Generic and Robust System for Automated Detection of Different Classes of Arrhythmia |
| 594 | Siva Raja P M and Ramanan K | Immune Cloud Storage In Iot By Feature Selection Rely On Learning With Crypto Based Steganography |
| Session # 2.7 07th September, 2019; Saturday, Room No: RN 309 Time: 9:00 AM to 11:00 AM | | |
| 595 | Raju A Nadaf, Sanjeevakumar M Hatture, Vasudha M Bonal and Susen P Naik | Home Security against Human Intrusion using Raspberry Pi |
| 598 | Pardeep Garg and Sunil Datt Sharma | Sensitivity Enhancement of DWT Based Algorithm for Detection of CpG Islands in DNA Sequences |
| 603 | M Sridevi and Mayuri Kharde | Video Summarization Using Highlight Detection and Pairwise Deep Ranking Model |
| 608 | Divyani Mittal, Pooja Suthar, Pranaya Padamata, Madhuri Patil, Dipti Rana and Bharat Tidke | Social Network Influencer Rank Recommender Using Diverse Features from Topical Graph |
| 611 | Rashmi Bhardwaj and Dimple Pruthi | Evolutionary Techniques for Optimizing Air Quality Model |
| 569 | Ayushi Verma, Neetu Sardana and Sangeeta Lal | Developer Recommendation for Stack Exchange Software Engineering Q&A Website based on K-Means clustering and Developer Social Network Metric |
| 612 | Pooja Sarin, Arpan Kar, Kiran Kewat and P.Vigneswara Ilavarasan | Factors Affecting Future of Work: Insights from Social Media Analytics |
| Session # 2.8 07th September, 2019; Saturday, Room No: RN 405 Time: 9:00 AM to 11:00 AM | | |
| 613 | Tauseef Khan and Ayatullah Faruk Mollah | Text non-text classification based on area occupancy of equidistant pixels |
| 616 | Sangeeta Lal, Lipika Tiwari, Ravi Ranjan, Ayushi Verma, Neetu Sardana and Rahul Mourya | Analysis and Classification of Crime Tweets |
| 623 | Neeti Kashyap, A. Charan Kumari and Rita Chhikara | Multiobjective Optimization for service composition in IoT using NSGA II |
| 279 | Sudarshan Sonawane and Satish Kolhe | TCSD: Term Co-occurrence Based Sarcasm Detection from Twitter Trends |

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| 465 | Dorathi Jayaseeli J. D. and Malathi D. | An Efficient Automated Road Region Extraction from High Resolution Satellite Images using Improved Cuckoo Search with Multi-Level Thresholding Schema |
| 628 | Priyank Srivastava, Dinesh Khanduja, Arsalan Mustafa, Sunil Kumar Chowdhary, Naveen Kumar, Rajendra Kumar Shukla and Kartik . | Prioritizing Autonomous Maintenance System Attributes using Fuzzy EDAS Approach |
| 630 | Sonali Dubey, Pushpa Singh, Piyush Yadav and Krishna Kant Singh | Household Waste Management System Using IoT and Machine Learning |
| Session # 2.9 07th September, 2019; Saturday, Room No: RN 406 Time: 9:00 AM to 11:00 AM | | |
| 631 | Payal Prajapati and Kinjal Chaudhari | KBC: Multiple Key Generation using Key Block Chaining |
| 632 | Jagdeep Singh, Sachin Bagga and Ranjodh Kaur | Software-based Prediction of Liver Disease with Feature Selection and Classification Techniques |
| 636 | Lakshmi J V N, Bharath J and Hemanth K S | Optimizing quality and outputs by improving variable rate prescriptions in Agriculture using UAVs |
| 641 | Sumita Mishra, Rishabh Sachan and Diksha Rajpal | Deep Convolutional Neural Network based Detection System for Real-time Corn Plant Disease Recognition |
| 577 | Anjali More and Dipti Rana | An Experimental Assessment of Random Forest Classification Performance Improvisation with Sampling and Stage Wise Success Rate Calculation |
| 642 | Darshana A Naik, Brunda C J and Dr. Seema S | A Feasible Dashboard to predict Patent Mining Using Classification Algorithms |
| 644 | Debasis Tripathy, Nalin Behari Dev Choudhury and Binod Kumar Sahu | Comparative performance assessment of several Fractional Order - Two Degree Freedom controllers tuned using GOA for LFC |
| Session # 2.10 07th September, 2019; Saturday, Room No: RN 407 Time: 9:00 AM to 11:00 AM | | |
| 645 | D Saravanakumar and M Ramasubba Reddy | A Brain Computer Interface based Communication System using SSVEP and EOG |
| 646 | Taniya Sahana, Soumi Paul, Subhadip Basu and Ayatullah Faruk Mollah | Hand signs recognition from depth images with multi-scale density features for deaf mute persons |
| 650 | Ashis Das, Prashant Kumar, Suman Halder, Anwesha Banerjee and Dewaki Nandan Tibarewala | A Laboratory Based Experimental Evaluation of Ocular Parameters as Fatigue and Drowsiness Measures |

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| 651 | Krishna Kant Singh, Sambit Mondal and Akansha Singh | Blood vessel detection from Retinal fundus images using GIFKCN classifier |
| 652 | Anjali Goyal and Neetu Sardana | Performance Assessment of Bug Fixing Process in Open Source Repositories |
| 653 | Gunjan Ansari, Chandni Saxena, Tanvir Ahmad and M. N. Doja | Aspect Term Extraction using Graph-based Semi-Supervised Learning |
| 220 | Ankit Thakkar and Kinjal Chaudhari | CREST: Cross-Reference to Exchange-based Stock Trend Prediction using Long Short-Term Memory |
| Session # 2.11 07th September, 2019; Saturday, Room No: RN 408 Time: 9:00 AM to 11:00 AM | | |
| 657 | Adil Masood and Kafeel Ahmad | A model for Particulate matter (PM2.5) prediction for Delhi based on machine learning approaches |
| 663 | Inadyuti Dutt | Multiple Immune-based Approaches for Network Traffic Analysis |
| 377 | Danish Raza Rizvi and Sarfaraz Masood | Scene Recognition from Image Using Convolutional Neural Network |
| 666 | Rajani Kumari, Dinesh Kumar and Vijay Kumar | Impact of Controlling Parameters on the Performance of MOPSO Algorithm |
| 667 | Navin K Paliwal | A day-ahead Optimal Scheduling Operation of Battery Energy |
| 669 | Anuradha Taluja, Anil Kumar Solanki, Harish Kumar and Krishna Kant Singh | Calculation and Evaluation of Network Reliability using ANN Approach |
| 68 | Divyansh Thakur, Yugal Kumar and Vijendra Singh | Smart Irrigation and Intrusions Detection in Agricultural Fields Using I.o.T. |
| 475 | Subhayan Bhattacharya, Sankhamita Sinha and Sarbani Roy | Impact of Structural Properties on Network Structure for Online Social Networks |
| Session # 2.12 07th September, 2019; Saturday, Room No: RN 203 Time: 9:00 AM to 11:00 AM | | |
| 679 | Kunal Rohilla and Mohit Dua | Attribute Selection and Ensemble Classifier based novel approach to Intrusion Detection System |
| 5 | Chiranjil Lal Chowdhary | Segmentation and Feature Extraction in Medical Imaging: A Systematic Review |
| 682 | Syaamantak Das | Mining multiple informational text structure from text data |

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| 482 | Anneketh Vij ,Vijendra Singh ,Abhishek Jain,Shivam Bajaj | IoT and Machine Learning approaches for Automation of Farm Irrigation System |
| 549 | Baibhab Debnath, Arunabha Ghosh and Suman Deb | Designing a Rapid Optical Response Trigger(RORT) for self-navigating and path explorer robot |
| 685 | Sameeksha Khare, Rajvir Singh, Ajmer Singh and Himanshu Malik | A Novel Technique for Test case minimization in object oriented testing |
| 6 | Victor Paul | A Survey on Predictive Models of Learning Analytics |
| 696 | Deepak S and Bhadrachalam Chitturi | DEEP NEURAL APPROACH TO FAKE-NEWS IDENTIFICATION |

11:00-11:15 am Tea Break, Venue New Building First Floor

**Workshop on
“Artificial Intelligence Reasoning and Learning”
Seminar Hall, Time: 11:15 AM to 2:15 PM**

**2:15 PM-2:45 PM
Lunch, Café 10**

**Session # 2.13
07th September, 2019; Saturday, Room No: RN 302
Time: 3:00 PM to 5:00 PM**

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| 699 | Unais Sait, Vandana Ravishankar, Tarun Kumar, Rahul Bhaumik, Gokul Lal K V, Kriti Bhalla and Kamble Sanket Sanjay | Design and development of an assistive device for the visually impaired |
| 700 | Prafullata Auradkar, Tejas Prashanth, Suraj Aralihalli, Sreeniketh Pradeepkumar and Dinkar Sitaram | Performance tuning analysis of spatial operations on Spatial Hadoop cluster with SSD |
| 597 | Mohd Zeeshan Ansari, Mohd Aziz, Mohd Siddiqui, Mehra and Singh | Analysis of Political Sentiment Orientations on Twitter |
| 702 | Gokul Lal K V, Unais Sait, Tarun Kumar, Rahul Bhaumik, Sanjana Shivakumar and Kriti Bhalla | Design and development of a smartphone-based application to save lives during accidents and emergencies |
| 104 | Sumit Misra, Soumyadeep Thakur, Manosij Ghosh and Sanjoy Kumar Saha | An Autoencoder Based Model for Detecting Fraudulent Credit Card Transaction |

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| 710 | Ajeet Ram Pathak, Aditee Mahajan, Keshav Singh, Aishwarya Patil and Anusha Nair | Analysis of Techniques for Rumor Detection and Verification in Social Media |
| 716 | Gauri Kalnoor and Gowrishankar Subrahmanyam | A Review on Applications of Markov Decision Process Model for Energy Efficiency in Wireless Sensor Networks |
| Session # 2.14 07th September, 2019; Saturday, Room No: RN 303 Time:3:00 PM to 5:00 PM | | |
| 717 | Pradeep Kumar Roy, Sarabjeet Chowdhary and Rocky Bhatia | A Machine Learning Approach for Automation of Resume Recommendation System |
| 724 | Aditya Sinha and Rajveer Singh Shekhawat | Olive Spot Disease Detection and Classification using Analysis of Leaf Image Textures |
| 731 | Govind Gupta and Jahanvi Khedwal | Framework for Error Detection & its Localization in Sensor Data Stream for reliable big sensor data analytics using Apache Spark Streaming |
| 165 | Mohan Singh and Krishna Kant Singh | Detection of changes in Landsat Images using Hybrid PSO-FCM |
| 740 | Surabhi Chandra and Prerna Gaur | Radial Basis Function Neural Network Technique for Efficient Maximum Power Tracking in Solar Photo-Voltaic System |
| 665 | Ratnavel Rajalakshmi, Hans Tiwari, Jay Patel, Ankit Kumar and R Karthik | Design of Kids-specific URL Classifier using Recurrent Convolutional Neural Network |
| 750 | Preeti Agarwal and Mansaf Alam | A Lightweight Deep Learning Model for Human Activity Recognition on Edge Devices |
| Session # 2.15 07th September, 2019; Saturday, Room No: RN 304 Room No: N204, Time: 3:00 PM to 5:00 PM | | |
| 752 | Vikas Tripathi, Ketan Joshi, Chaitanya Bhardwaj and Chitransh Bose | Robust Sports Image Classification Using Inception V3 and Neural Networks |
| 754 | Rajeshwar Dass and Niranjana Yadav | Image Quality Assessment Parameters for Despeckling Filters |
| 758 | Rafe Athar Shaikh, Tirath Prasad Sahu and Veena Anand | Predicting Outcomes of Legal Cases based on Legal Factors using Classifiers |
| 759 | Mayur Bharagab Bora, Dinthisrang Daimary, Khwairakpam Amitab and Debdatta Kandar | Handwritten Character Recognition from Images using CNN-ECOC |

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| 761 | Sheikh Shah Mohammad Motiur Rahman, Takia Islam and Md. Ismail Jabiullah | PhishStack: Evaluation of Stacked Generalization in Phishing URLs Detection |
| 762 | Dinthisrang Daimary, Mayur Bharagab Bora, Khwairakpam Amitab and Debdatta Kandar | Brain Tumor Segmentation from MRI Images using Hybrid Convolutional Neural Networks |

Session # 2.16

07th September, 2019; Saturday, Room No: RN 305

Time:3:00 PM to 5:00 PM

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| 766 | Duddela Sai Prashanth, R.Vasanth Kumar Mehta and Nisha Sharma | Classification of Handwritten Devanagari Number – An analysis of Pattern Recognition Tool using Neural Network and CNN |
| 767 | Sushila Palwe and Dharendra Mishra | Feature Vector Creation Using Hierarchical Data Structure for Spatial Domain Image Retrieval |
| 768 | Bhupender Kumar and Bubu Bhuyan | Game Theoretical Defense Mechanism Against Reputation Based Sybil Attacks |
| 764 | Soumonos Mukherjee, Uddipta Dutta, Jit Sarkar and Rajkumar Rajsekharan | Integrated Probabilistic Data Structure for Accurate and Scalable Sequence Prediction |
| 774 | Sur Rawat, Sashi Verma and Yatindra Kumar | Review on recent development in infrared small target detection algorithms |

Session # 2.17

07th September, 2019; Saturday, Room No: RN 306

Time: 3:00 PM to 5:00 PM

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| 776 | Vikash Sachan, Indrajeet Kumar, Lokesh Bhardwaj and Ritesh Kumar Mishra | Pairwise Error Probability Analysis of SM-MIMO system employing k- μ Fading Channel |
| 145 | Raghavendra Kumar, Pardeep Kumar and Yugal Kumar | Time Series Data Analysis and Prediction using IoT and Machine Learning Technique |
| 783 | Muskaan Singh, Ravinder Kumar and Inderveer Chana | Corpus based Machine Translation System with Deep Neural Network for Sanskrit to Hindi Translation |
| 166 | Mohan Singh, Krishna Kant Singh, Neelam Ruhl, Debjani Mitra and Akansha Singh | Detection of changes from Satellite Images Using Fused Differene Images and Hybrid Kohonen Fuzzy C-Means Sigma |
| 789 | Savita Ahlawat and Amit Choudhary | Hybrid CNN-SVM Classifier for Handwritten Digit Recognition |
| 791 | Rajkumar N, A B Rajendra, Prafulla . and Viji Vinod | H2M communication for Home Appliances Automation using Android Application |
| 793 | Md Muzakkir Hussain | Vehicular Fog Computing-Planning and Design |

Session # 2.18**07th September, 2019; Saturday, Room No: RN 307****Time: 3:00 PM to 5:00 PM**

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| 794 | Sumit Kumar, Yatendra Chaturvedi and Vishal Gupta | Capacitance Requirement for Rated Current and Rated Voltage Operation of SEIG Using Whale Optimization Algorithm |
| 799 | Monika Yadav and Manvi Breja | Secure DNA and Morse code based Profile access control models for Cloud Computing Environment |
| 800 | Mande Praveen and G.V.Siva Krishna Rao | Ensuring the reduction in peak load demands based on load shifting DSM strategy for smart grid applications |
| 801 | Arun Kulkarni | Fuzzy Neural network for Pattern Classification |
| 803 | Syed Thouheed Ahmed | An Investigative Protocol Design of Layer Optimized Image Compression in Telemedicine Environment |
| 806 | Ravi Kiran Varma | A Novel Method for Indian Vehicle Number Plate Detection and Recognition using Image Processing Techniques |
| 810 | Avinash Swaminathan, Mridul Chaba, Deepak Kumar Sharma and Yogesh Chaba | Gender Classification using Facial Embeddings: A Novel Approach |

Session # 2.19**07th September, 2019; Saturday, 308****Time: 3:00 PM to 5:00 PM**

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| 680 | Neha Soni, Enakshi Khular Sharma, Narotam Singh and Amita Kapoor | Artificial Intelligence in Business: From Research and Innovation to Market Deployment |
| 687 | Zhilentkov Anton and Chernyi Sergei | Numerical methods for solving the problem of calibrating a projective stereo pair camera, optimized for implementation on FPGA |
| 500 | Naveen Chauhan, Dr. Rajeev Agrawal, Dr. Kanika Garg and Tanupriya Choudhury | Redundant IaaS Cloud Selection With Consideration Of Multi Criteria Decision Analysis |
| 196 | Hakam Singh and Yugal Kumar | Hybrid Artificial Chemical Reaction Optimization Algorithm for Clustering Problems |
| 813 | Poonam Potalia | An Approach for concept drifting streams: Early Dynamic Weighted Majority |
| 558 | Sirisha B, Chandra Sekhar Paidimarry, A S Chandrasekhara Sastry and Sandhya B | Formulation of Fractional Affine Feature Detector for TerraSAR-X (TSX) Images |
| 614 | Himanshu Chaurasiya and Ashish Khare | Time-Frequency Representations: Spectrogram, Cochleogram and Correlogram |

Tea Break, Venue New Building First Floor , Time: 5:00 PM