

Technical Sessions

Data Analytics, Machine Learning and Intelligent Systems - I

Chair: Dr. Prashant Johri, Galgotias University, Greater Noida, India

Co-Chair: Dr. K. Arutchelvan, Annamalai University, India

February 04, 2019

1500-1700 hrs.

Parallel Session (Room G-04 (GF))

SI No	Paper ID	Author(s)	Paper Title
1	209	Senthil Velan S	Introducing Artificial Intelligence Agents to the Empirical Measurement of Design Properties for Aspect Oriented Software Development
2	156	Shweta Pandey, Iti Mathur, Nisheet Joshi	Information Retrieval Ranking Using Machine Learning Techniques
3	217	Kanika Dhanjal, Kanchan Rani, Sangeeta Bhagat, Preeti Nagpal	Visual Analytics for Comparing the Impact of Outliers in K-Means and K-Medoids Algorithm
4	1	Mayank Sharma, Upasna Sharma, Sambhav Jain, Sunil Kumar Khatri	Discovering influential nodes on social media using Gaussian kernel method
5	110	Garima Rastogi, Hemraj Verma	Predicting Bollywood Movies Success Using Machine Learning Technique
6	147	Kritika Verma, Sandeep Mathur, S.K Khatri	Study on Temperature Variation pattern based on Data Analytics
7	363	Anurag Srivastava, Deepak Arora, Upendra Kumar	UML modeling for preserving sensitive information based on k-means clustering approach
8	151	Maher Alrahhal, Supreethi K P	Content Based Image Retrieval using Local Patterns and Supervised Machine Learning Techniques

Technical Sessions

Cyber and Information Security - I

Chair: Prof. Rachna Jain, AIIT, Amity University UP, India

Co-Chair: Dr. Vinod Kumar Shukla, Amity University, Dubai, UAE

February 04, 2019

1500-1700 hrs.

Parallel Session (Room 109 (FF))

SI No	Paper ID	Author(s)	Paper Title
1	391	Rupali Bhardwaj	A Survey on Medical Images for Reversible Data Hiding Techniques
2	137	Vikram Chopra, Ishan Chawla, Ashish Singla	Robust LQR based ANFIS Control of x-z Inverted Pendulum
3	280	Bhoopesh Kumar Sharma, Ved Prakash Mishra, Geetanjali Chandra	Comparative Analysis and Implication of UAV and AI in Forensic Investigations
4	38	Subhranil Som, Dev Bhatnagar, Sunil Kumar Khatri	Advance Persistent Threats: The Big Picture, its Tools, Attack Vectors and Countermeasures
5	444	Joanita Dsouza, Laura Elezabeth, Ved Prakash Mishra, Rachna Jain	Security in Cyber-Physical Systems
6	326	Salma Alghfeli, Zainab Alhadrami, Mariam Alghfeli, Noura Albloushi, Ahmed Alfaresi	Bayyinah, A Log Analysis Forensics Tool
7	404	Kanta Sharma, Rachna Jain	Inscribe the exigency of Map Matching performance for curve navigation on Road/Highways
8	400	Ahmed Hamed	A survey - Acoustic Attacks in the era of IoT -
9	243	Kashish Prabhakar, Kaushik Dutta, Rachna Jain, Mayank Sharma, Sunil Kumar Khatri	Securing Virtual Machines on Cloud through Game Theory Approach
10	459	Geeta Kasana, Sonal Kukreja	A Secure Reversible Data Hiding Scheme for Digital Images using Random Grid Visual Secret Sharing

Technical Sessions

Application of Artificial Intelligence in Interdisciplinary Research - I

Chairs: Abhishek Srivastava, Amity University, India

Dr. Rana Mazumder, Techno India, India

February 04, 2019

1500-1700 hrs.

Parallel Session (Room 110 (FF))

SI No	Paper ID	Author(s)	Paper Title
1	336	Dionisis Mpailakis, Michail Papoutsidakis, Abhishek Srivastava	Evaluation of Methods for Teaching Mechatronics Courses: The case of Mechatron
2	383	Vishal Naranje, Mohammad Nadeem Khalid, Vilas Gaidhane	Prediction of Best Weld Quality Using Artificial Neural Network
3	312	Riju Chaudhary, Sahil Bhardwaj, Sakshi Lakra	A DEA model for Selection of Indian Cricket team players
4	84	Divit Karmiani, Ruman Kazi, Ameya Nambisan, Aastha Shah, Vijaya Kamble	Comparison of Predictive Algorithms: Backpropagation, SVM, LSTM and Kalman Filter for Stock Market
5	343	Dr. Deepshikha Bhargava, Pratikshya Mishra, Anjali Mishra	Designing an Expert System For Online Shopping Cart Management
6	261	Vishal Naranje, Nand Kumar	Prediction of cement strength using machine learning approach
7	291	Mobeen Rehman, Sharzil Haris Khan, Zeeshan Abbas, S M Danish Rizvi	Classification of Diabetic Retinopathy Images Based on Customised CNN Architecture
8	8	Surekha Kamath, Cifha Saldana, Sudha Vidyasagar	Modelling and Simulation Study of Glucose Insulin Control in Type 1 Diabetic Patient Used for Developing Artificial Pancreas



Technical Sessions

Applications of AI in Networking Technologies and Data Science - I

Chair: Dr. Ajay Vikram Singh, AIIT, Amity University, Noida, India

Co-Chair: Prof. Kanthi M, Manipal, India

February 04, 2019

1500-1700 hrs.

Parallel Session (Room 111 (FF))

SI No	Paper ID	Author(s)	Paper Title
1	268	Venkat Sankaran	Empowering Consumer Research with Data Science
2	180	Aman Vohra, Nitin Pandey, Sunil Kumar Khatri	Decision Making Support Model For Prediction Of Prices In Agricultural Commodity
3	277	Geetanjali Chandra, Iman Ali Liaqat, Bhoopesh Kumar Sharma	Blockchain Redefining: The Halal Food Sector
4	365	Sugandhi K, Raju G	An Efficient HOG-Centroid Descriptor for Human Gait Recognition
5	57	Md Adil, Rajbala Simon, Sunil Kumar Khatri	Automated Invigilation System For Detection Of Suspicious Activities During Examination
6	358	Sonakshi Ruhela	Thematic correlation of Human Cognition and Artificial intelligence with Psychological Science
7	80	Pooja Khanna, Sachin Kumar	Estimation of Gestational Diabetes Mellitus using Azure AI Services
8	83	Kanthi M, Anmol Puranik	Wearable Device for Yogic Breathing (5 th)

Technical Sessions

Data Analytics, Machine Learning and Intelligent Systems - II

Chair: Dr. Mayank Sharma, AIIT, Amity University, Noida, India

Co-Chair: Prof. Ved P. Mishra, Amity University Dubai

February 05, 2019

1200-1330 hrs.

Parallel Session (Room G-04 (GF))

SI No	Paper ID	Author(s)	Paper Title
1	468	Arshad Iqbal, Aasim Zafar	Offline Handwritten Quranic Text Recognition: A Research Perspective
2	2	Rachna Jain, Pranay Tyagi, Mayank Sharma, Sunil Kumar Khatri	Fault Tolerance Based Indexing for Multidimensional Data Bases
3	274	Rajesh Kumar, Sriram Pai, Shwetha Br, Shantanu Sutar	Defect prediction based on Machine learning using System Test parameters
4	317	Mariam Alghfeli, Salma Alghfeli, Meera Alneyadi, Loai Alnemer	Quraine: Twitter analytics engine
5	318	Abhinav Nagpal, Goldie Gabrani	Python for Data Analytics, Scientific and Technical Applications
6	245	Kaushik Dutta, Mayank Sharma, Upasna Sharma, Sunil Kumar Khatri, Prashant Johri	Information Gain Model for Efficient Influential Node Identification in Social Networks
7	451	Virane Gautam, Upasna Sharma, Mayank Sharma, Sunil Kumar Khatri	A Noval Collaborative Filtering Technique Approach For Recommender System
8	181	Malvika Goyal, Anuranjana Sharma	Demonetization - Twitter Data Analysis Using Big Data And Hadoop
9	114	Deepak Kumar, Shivani Aggarwal	Analysis Of Women Safety In Indian Cities Using Machine Learning On Tweets

Technical Sessions

Application of Artificial Intelligence in Interdisciplinary Research – II

Chair: Dr. Deepak Kumar, AIIT, Amity University, Noida, India

Co-Chair: Dr. Geetanjali Ramesh Chandra, Amity University Dubai, UAE

February 05, 2019

1200-1330 hrs.

Parallel Session (Room 110 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	272	Nayyar Ahmed Khan, Ahmed Masih Uddin Siddiqi, Mohammad Ahmad Mohammad Nasim, Danish Ahamad, Shabi Alam Hameed, Omaia Mohammad Al Omari	Prevention of Web-Form Spamming for Cloud based Applications: A proposed Modal
2	205	Mayssa Hachem, Bhoopesh Kumar Sharma	Artificial Intelligence in Prediction of PostMortem Interval (PMI) Through Blood Biomarkers in Forensic Examination- A Concept
3	67	Tenzin Chokey, Sarika Jain	Quality assessment of crops using Machine Learning Techniques
4	34	Pavi Saraswat, Jatin Sharma, Abhishek Srivastava, Sunil Chowdhary	Optimization Of Travelling Salesman Problem By Applying Genetic Algorithm
5	398	Michail Papoutsidakis, Abhishek Srivastava, Sunil Chowdhary	Displacement Sensors for Linear Electrical, Hydraulic and Pneumatic Actuators
6	101	Wesley Pereira, Saurabh Parulekar, Sopan Phaltankar, Vijaya Kamble	Smart Bin (Waste Segregation and Optimisation)
7	364	Bharti Chauhan, Amrita Chaudhary, Sahil Bhradwaj, Abhishek Srivastava	Decision making on road accidents on the basis of their reliability factor

Technical Sessions

Applications of AI in Networking Technologies and Data Science – II

Chair: Dr. Nitin Pandey, AIIT, Amity University, Noida, India

Co-Chair : Dr. Vikram Chopra, Thapar University, India

February 05, 2019

1200-1330 hrs.

Parallel Session (Room 111(FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	54	Lakshay Gaba, Atul Sharma and Alankar Singh	A Contact Based Routing Protocol for High Mobility Scenario in DTN
2	31	Shaik Mazhar Hussain, Shaik Ashfaq Hussain, Kamaludin Mohammad Yusof	A Review on Quality of Service issues in Internet of vehicles (IOV)
3	144	Prem Singh, Chandresh Kumar	Bibliometric Study of Indian Institutes of Technology in Computer Science
4	246	Syed Munawwar Ahmed	Artificial Intelligence in Saudi Arabia: Leveraging Entrepreneurship in the Arab Markets
5	95	S Pradeep Sunkari, Yogesh Kumar Sharma Sharma	A Pragmatic Evaluation of Stress and Performance Testing Technologies for Web Based Applications
6	445	Atul Sharma, Lakshay Gaba, Alankar Singh	Comparative Analysis of different Routing Protocols in Vehicle Ad-hoc Network

Technical Sessions

Converging of Big Data, Cognitive Computing and the Internet of Things - I

Chair: Prof. Deepshikha Bhargava, UPES, Dehradun, India

Co-Chair : Dr. Sanjeev Agarwal, Thapar University, India

February 05, 2019

1200-1330 hrs.

Parallel Session (Room 109 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	316	Gaurav Aggarwal, Rekha Vig	Acoustic methodologies for classifying gender and emotions using machine learning algorithms
2	14	Shobha Tyagi, Adarsh Pai	A Proposed Model for Preventing the spread of misinformation on Online Social Media using Machine Learning
3	148	Sumit Das, Manas Kumar Sanyal, Debamoy Datta	Intelligent Approaches for the Diagnosis of Low Back Pain
4	50	Akansha Mittal, Sunil Kumar Khatri	Environment Monitoring Using Internet Of Things- Cloudburst Prediction
5	460	Bimal Datta, Susanta Mitra	Short term Prediction of Evaporation at a Particular Place using Artificial Neural Networks
6	416	Sonali Vyas, Mahima Gupta, Rakesh Yadav	Converging Block-chain and Machine Learning for Healthcare
7	184	Shouvik Chakraborty, Kalyani Mali, Aishwarya Raman, Sankhadeep Chatterjee, Soumya Sen, Hanaa Hachimi	Contrast Optimization using Elitist Metaheuristic Optimization and Gradient Approximation for Biomedical Image Enhancement
8	45	Khagendra Singh, Subhranil Som, Sunil Kumar Khatri	Blood Flow Detection and Monitoring Using Sensory Data
9	123	Pooja Singh, Pinki Nayak	An IOT Based Automated Voice Control Device Using Raspberry Pi

Technical Sessions

Computer vision, Deep Learning & AI Applications – I

Chairs: Prof. Piyush Maheshwari, Amity University Dubai, UAE

Co-Chair: Dr. Ruqaiya Khanam, Galgotias University, Indai

February 05, 2019

1515-1700 hrs.

Parallel Session (Room G-04 (GF))

Sl. No	Paper ID	Author(s)	Paper Title
1	458	Dr. Singara Singh, Simranjit Singh	Deep learning based Spectral-Spatial Classification using Feature Selection and Extraction
2	9	Gursewak Singh Sidhu, Shobika Sejwal, Jatin Solanki, Kshitij Singh, Abhishek Srivastava	Intelligent Vehicle Registration Certificate
3	76	Bilal Bataineh, Musab Kasim Alqudah	Evaluation of Skeletonization Methods for Document Images with Rotation States
4	273	Boumediene Belkhouche, Shaikha Alhadhrami, Mooza Alaleeli, Aisha Saleh, Dena Al Sharif	Game Simulation of Smart Taxis
5	107	Moni Sahu, Ajay Vikram Singh, Sunil Kumar Khatri	A Classical Constraint Satisfaction Problem and its Solution using Artificial Intelligence
6	122	Shashank Singh, Shailendra Singh	Handling Real-Word Errors of Hindi Language using N-gram and Confusion Set
7	221	Mehrdad Mohasses	How AI-Chatbots Can Make Dubai Smarter?

Technical Sessions

Optimization, Decision-making and Artificial Intelligence - I

Chair: Dr. Vijay Kumar, Amity University, U.P, India

Co-Chair : Dr. Surekha Kamath, MIT, Manipal, India

February 05, 2019

1515-1700 hrs.

Parallel Session (Room 109 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	18	Saad Harous, Maryam Alharmoodi, Hessa Biri	A comparative study of clustering algorithms for mixed datasets
2	94	Raeesa Bashir, Nafeesa Bashir	Cost Effectiveness Analysis And Reliability Modeling Of Major And Minor Units Arranged In Complex System
3	97	Seher Razzaq, Min Xie	Understanding the Surviving Bugs in Open Source Software through the Community Perspective: Using Bayesian Analysis
4	105	Mahesh Kumar Jayaswal, Isha Sangal, Mandeep Mittal	Learning effect onstock -policies with Imperfect quality and deteriorating Items under trade credit
5	106	Mandeep Mittal, Prabodh Ranjan Swain, Hemant Rana	A Nature Inspired Optimisation Method for Supply Chain Management Problem
6	154	Nafeesa Bashir, Rameesa Jan, T R Jan, J P Singh Joorel, Raeesa Bashir	Estimation of Stress Strength Reliability in Multicomponent for Exponentiated Inverse Power Lindley Distribution
7	172	Lingling Mao, Zaibin Chang, Jingqian Wang	Rough approximation operators on matroids via circuits
8	360	Sadia Riaz, Rida Ansari, Badriya Abdul Jaffar, Maninder Jeet Kaur, Arif Mushtaq	Datamining to Alert the Formation of Women Objectification Stereotypes in Video Games
9	242	Ashok Kumar Yadav, Rajesh Mehta	Local coupled extreme learning machine based image watermarking using DCT in YCbCr space
10	194	Sempe Leholo, Pius Adewale Owolawi, Kayode Akindeji	Solar Energy Potential Forecasting and Optimization Using Artificial Neural Network: South Africa Case Study
11	219	Pankaj Sharma, Ashok Sinha	Extended intelligent MANET system model for detection and prevention of Anomaly using ANFIS

Technical Sessions

Converging of Big Data, Cognitive Computing and the Internet of Things - II

Chair: Dr. Subhranil Som, AIIT, Amity University, U.P, India

Co-Chair : Dr. Sonakshi Ruhela, Amity University Dubai, UAE

February 05, 2019

1515-1700 hrs.

Parallel Session (Room 110 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	129	Sonakshi Harjai, Sunil Kumar Khatri	An Intelligent Clinical Decision Support System Based On Artificial Neural Network For Early Diagnosis Of Cardiovascular Diseases In Rural Areas
2	350	Sonali Vyas, Sai Sathya Jain, Isha Choudhary, Aryaman Chaudhary	Study On Use Of Ai And Big Data For Commercial System
3	48	Arijit Chandra, Sunil Kumar Khatri	Filter-Based Attribute Selection Approach For Intrusion Detection Using K-Means Clustering And Sequential Minimal Optimization Technique
4	166	Sameer Saxena, Sonali Vyas	Case Study Of Money Pad: The Future Wallet
5	263	Chander Diwaker, Atul Sharma, Pradeep Tomar	IoT 's Future aspects and Environment surrounding IoT
6	37	Iti Burman, Subhranil Som	Predicting Students Academic Performance Using Support Vector Machine
7	339	Banashree Debnath, Rajesh Dey, Sandip Roy	Smart Switching System Using Bluetooth Technology
8	223	Rajesh Bose, Srabanti Chakraborty, Sandip Roy	Explaining the Workings Principle of Cloud-based Multi-factor Authentication Architecture on Banking Sectors

Technical Sessions

Computer vision, Deep Learning & AI Applications - II

Chair: Dr. Ajay Vikram Singh, AIIT, Amity University, Noida, India

Co-Chair: Prof. Atul Sharma, UIET, India

February 06, 2019

0900-1045 hrs.

Parallel Session (Room G-04 (GF))

Sl. No	Paper ID	Author(s)	Paper Title
1	407	Komal Singh Gill, Sharad Saxena, Anju Sharma	Taxonomy of security attacks on IoT-Cloud environment: A case study on Telemedicine
2	308	Swaroop Ramaswamy	Forecasting of Power based on Back Propagation Algorithm in Neural Networks
3	411	Jayant Parihar, Kamal Singh, Pallavi Kansal, Hita Dhiman	Assessment of Bioinformatics and Healthcare Informatics
4	324	Nikhil Shah	Detection of disease in cotton leaf using artificial neural network
5	276	Ruqaiya Khanam, Ramsha Khan, Rajeev Ranjan	Analysis of Finger Vein Feature Extraction and Recognition using DA and KNN Methods
6	77	Arifa Shikalgar, Shefali Sonavane	Design and Development of Integrated Deep Convolution Neural Network approach for handling Heterogeneous Medical Data

Technical Sessions

Optimization, Decision-making and Artificial Intelligence - II

Chair: Dr. Mandeep Mittal, AIAS, Amity University, U.P, India

Co-Chair: Dr. Adarsh Anand, University of Delhi, India

February 06, 2019

0900-1045 hrs.

Parallel Session (Room 109(FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	206	Priyanka Vashisht, Vijay Kumar, Rajesh Kumar, Anju Sharma	Optimizing Replica Creation using Agents in Data Grids
2	215	Deepali Suhas Sarode, Renu Tuli	Optimal Solution of the Planar Four Index Transportation Problem
3	208	Gunjan Bansal, Adarsh Anand, Deepti Aggrawal	Modeling multi-generational product adoption based on competition within & between brands
4	327	Rita Yadav, Sarla Pareek, Mandeep Mittal, Isha Sangal, Mahesh Kumar Jayaswal	Effect of learning on optimal policies of supply chain partners for imperfect quality items: Game theoretic approach
5	299	Mandeep Mittal, Divyansh Gaba, Hemant Rana, Prabodh Ranjan Swain	A Bilateral Optimized Negotiation Model for Multi-items
6	266	Adarsh Anand, Subhrata Das, Ompal Singh, Vijay Kumar	Resource Allocation Problem for Multi Versions of Software System
7	402	Sadia Riaz, Rubia Mehreen, Maninder Jeet Kaur, Arif Mushtaq	Framework to Measure Mental Distress Caused by Economic Crises
8	428	Ankur Chaudhary, Arun Prakash Agarwal, Arvind Rana, Vijay Kumar	Crow Search Optimization Based Approach For Parameter Estimation of SRGMs
9	349	Adarsh Anand, Mohammed Shahid Irshad, Marut Bisht	Understanding Popularity Dynamics for YouTube Videos: An Interpretive Structural Modelling based Approach
10	410	Sadia Riaz, Sandhya Java, Fathima Linsha Basheer, Maninder Jeet Kaur, Arif Mushtaq	Detection of Online Manipulation to Prevent Users Victimization
11	471	Neha Tyagi, Ajay Rana, Vineet Kansal	Creating Elasticity with Enhanced Weighted Optimization Load Balancing Algorithm in Cloud Computing

Technical Sessions

Soft Computing in Engineering Applications - I

Chair: Dr. Minimol Anil Job, Arab Open University, Bahrain

Co-Chair: Dr. Sadia Riaz, Amity University Dubai, UAE

February 06, 2019

0900-1045 hrs.

Parallel Session (Room 110(FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	265	Natasha Manick, Ashvin Appigadoo, Bibi Zarine Cadersaib	ERP and GIS relevance for Fire Rescue Services
2	315	Inderpreet Singh, Deepak Kumar	Improving The Efficiency Of E-Healthcare System Based On Cloud
3	220	Sarika Sharma, Deepak Kumar	Agile Release Planning Using Natural Language Processing Algorithm
4	7	Salisu Abdullahi, Maryam Maishanu, Mukhtar Liman Ahmed	A Pc Based Oscilloscope Using Matlab Data Acquisition Tool
5	19	Sanyukta Shreshtha, Archana Singh, Sanya Sahdev, Millennium Singha, Siddharth Rajput	A Deep Dissertation Of Data Science: Related Issues And Its Applications
6	283	Ved Prakash Mishra, Amna Chaudhary	The Role Of Information And Communication Technologies In Architecture And Planning With Vertical Farming
7	15	Siphe Mhlana and Phillip Choshi	The Speech Synthesis System Review for the IsiXhosa Language
8	345	Anubhav Singh, Anmol Saxena, Shruti Agarwal, Narina Thakur, Preeti Nagrath	Human Pose Estimation Using Convolutional Neural Networks

Technical Sessions

Converging of Big Data, Cognitive Computing and the Internet of Things - III

Chairs: Dr. Sonali Vyas, Amity University Rajasthan, India
 Dr. Subhranil Som, AIIT, Amity University, U.P, India

February 06, 2019
0900-1045 hrs.
Parallel Session (Room 111 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	43	Abhinav Malhotra, Subhranil Som, Sunil Kumar Khatri	IOT Based Predictive Model For Cloud Seeding
2	351	Geetika Vyas, Sonali Vyas, Amita Sharma, Chitra Bhardwaj	Examining the Performance of Prediction Algorithms and Consecutive Estimation of Software Product Line Feature Model Usability
3	157	Mamta Dadhich, Vijay Singh Rathore, Sonali Vyas	Essential Parameters of ASMAN Framework to Compare SSPs in Cloud computing
4	197	Aman Ahi, Ajay Vikram Singh	Role of Distributed Ledger Technology (DLT) to Enhance Resiliency in Internet of Things (IoT) Ecosystem
5	438	Vinod Shukla, Bhopendra Singh	Conceptual Framework of Smart Device for Smart Home Management Based on RFID and IOT
6	4	Gaurav Mittal, Mayank Sharma, Sunil Kumar Khatri, Prashant Johri	Optimizing Autonomous Vehicles to Prevent On-Road Congestion
7	130	Nidhi	Business Models Leveraging IoT and Cognitive computing
8	68	Akshay Khandelwal, Ajay Vikram Singh, Sunil Kumar Khatri	Diverse IoT Based Gadgets to Update a Moderate Condition of Farmers in India
9	415	Vinod Shukla, Amit Verma	Proposed Model for User Customization In wearable Virtual Reality Devices With IOT for "Low Vision"

Technical Sessions

Quality Assurance & Risk Analysis

Chair: Dr. Nanik L. Butani, JBIMS, Mumbai, India

Co-Chair: Dr. Bhupinder Singh, Amity University Dubai, UAE

February 06, 2019

0900-1045 hrs.

Parallel Session (Room G-03 (GF))

Sl. No	Paper ID	Author(s)	Paper Title
1	225	Yuri Klochkov, Maxim Iskoskov, Elena Kargina	Innovative Model Of The Organization Of A Marketing System At Engineering Enterprises
2	226	Dmitri Antipov, Olga Syardova, Aliya Aytasova	Building an additive model for determining the seasonal effect on the quantity of products supplied by the chemical industry enterprises
3	227	Tatyana Polteva, Dmitry Antipov, Nelli Klassen	The Improvement Of The Market Risk Management Mechanism At The Automotive Industry Enterprises
4	228	Albina Gazizulina, Maksim Iskoskov, Anastasia Smagina	Comprehensive approach to tax analysis as a procedure for management control of tax liabilities of commercial organizations of the automotive industry in Russia
5	389	Rajneesh Mishra	Usage of Data Analytics and Artificial Intelligence in Ensuring Quality Assurance at Higher Education Institutions
6	467	Sathyakb Sankar	Rendering of Impaired Visual Effects Pioneer on Genesis of Streak - Recognizing Car License Plate

Technical Sessions

Artificial Intelligence Based Innovation in Software Engineering

Chairs: Dr. Varun Gupta, Amity University, U.P, India

Co-Chair : Dr. Singara Singh, TIET, Patiala, India

February 06, 2019

1315–1445 hrs.

Parallel Session (Room G-04 (GF))

Sl. No	Paper ID	Author(s)	Paper Title
1	104	Akshi Kumar, Anshika Arora	A Filter-Wrapper based Feature Selection for Optimized Website Quality Prediction
2	367	Vishal Raj, Dhanalakshmi Arunagiri, Ajith Mani Veeramani, Sangeeth Shraavan Sivakumar, Chamundeswari Arumugam	Estimation Of Effort To Develop Web Application Through IFML User Interface Model
3	338	Eveling Castro-Gutierrez, Laura Estacio-Cerquin, Joel Gallegos-Guillen, Javier Delgado-Obando	Detection of Acetabulum Fractures Using X-Ray Imaging and Processing Methods Focused on Noisy Images
4	353	Swati Sharma, Manisha Chahal, Sandeep Harit	Transmission Rate-based Congestion Control in Vehicular Ad Hoc Networks
5	141	Ashok Chopra	Artificial Intelligence in Supply & Procurement
6	352	Zeeshan Abbas, Mobeen Rehman, Shahzaib Najam, S M Danish Rizvi	An Efficient Gray-Level Co-Occurrence Matrix (GLCM) based approach towards classification of Skin lesion
7	408	Lipsa Sadath, Reshmi Nair	Oncological Inspired Techniques for Intelligent Software Testing
8	347	Sonia Bhalla, Sanjeev Kumar, Sanjeev Kumar Aggarwal	Comparative Analysis of Newton's higher order methods for load flow problem (Revised)

Technical Sessions

Bio-Inspired Computation and Its Applications

Chair: Prof. Laxmi Ahuja, Amity University UP, Noida, India

Co-Chair : Dr. Chander Diwakar, UIET, KUK, Indai

February 06, 2019

1315–1445 hrs.

Parallel Session (Room 109 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	176	R Yesodha, T Amudha	An improved firefly algorithm for capacitated vehicle routing optimization
2	341	Mangeshkumar Demkah, Deepshikha Bhargava	Gamification in Education: A Cognitive Intelligence Approach to Cooperative and Fun Learning
3	160	N. Sivakumar, T. Amudha, N. Thilagavathi	Development of A Novel Bio Inspired Framework For Fertilizer Optimization
4	281	Chinwe Peace Igiri, Deepshikha Bhargava, Yudhveer Singh	A Penalty Method Based-Spring Design Optimization Using Bio-inspired Computation Approach
5	412	Vinod Shukla, Nisha Bhandari	Enhancing Payroll Management and Attendance Monitoring System through RFID and Biometric
6	103	Bhajneet Kaur, Laxmi Ahuja, Vinay Kumar	Decision tree Model: Predicting sexual offenders on the basis of minor and major victims
7	3	Aurijtt Mukherjee, S Som, S K Khatri, Akshat Mathur	Enhancing Remembrance of Password as an Image
8	335	Vinayak Majhi, Sudip Paul, Rachna Jain	Bioinformatics for Healthcare Applications

Technical Sessions

Cyber and Information Security – II

Chair: Dr. Himanshu Gupta, AIIT, Amity University, U.P, India

Co-Chair : Dr. Rupali Bhardwaj, TIET, Patiala, India

February 06, 2019

1315–1445 hrs.

Parallel Session (Room 110 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	152	Abdul Raof Wani, Nitin Pandey, Q P Rana, Utkarsh Saxena	Analysis and Detection of DDoS Attacks on Cloud Computing Environment using Machine Learning Techniques
2	304	Subhajit Das, Satyendranath Mondal, Manas Sanyal	A Novel approach of Image Encryption Using Chaos and Dynamic DNA Sequence
3	185	Mousomi Roy, Shouvik Chakraborty, Kalyani Mali, Reshmi Debnath, Sankhadeep Chatterjee, Soumya Sen	A Study on the Applications of the Biomedical Image Encryption Methods for Secured Computer Aided Diagnostics
4	145	Sourav Thapliyal, Himanshu Gupta, Sunil Kumar Khatri	Innovative Model for the Enhancement of IOT Device Using Lightweight Cryptography
5	29	Anurag Yadav, Himanshu Gupta, Sunil Kumar Khatri	A Conceptual Framework for Improving the Software Security of Self- Driven Vehicles
6	238	Yoshita Sharma, Himanshu Gupta, Sunil Kumar Khatri	A Security Model For The Enhancement Of Data Privacy In Cloud Computing
7	405	Krithiga Lakshmi K, Himanshu Gupta, Jayanthi Ranjan	UPI Based Mobile Banking Applications - Security Analysis And Enhancement Proposals
8	22	Siddharth Rajput, Archana Singh, Krishna Singh, Tushar Bansal, Sanyukta Shreshtha	Blockchain Technology And Cryptocurrencies
9	198	Bhaskar Pandey and Kanta Sharma	Radar Transmogrification Technology: Support for Unmanned System
10	262	Anav Bedi, Nitin Pandey, Sunil Kumar Khatri	Analysis of Detection and Prevention of Malware in Cloud Computing Environment

Technical Sessions

Soft Computing in Engineering Applications – II

Chair: Prof. Rajeev Pandey, Amity University Lucknow, India

Dr. Archana Singh, ASET, Amity University, Noida, India

February 06, 2019

1315–1445 hrs.

Parallel Session (Room 111 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	441	Vishesh Devgan, Vibhor Singh, Ishu Anand, Ankit Jain, Narina Thakur	Using a novel image analysis metric to calculate similarity of input image and images generated by WAE
2	470	M Nagaraju, Priyanka Chawla and Ajay Rana	A Practitioner's Approach to Assess the WCAG 2.0 Website Accessibility Challenges
3	300	Aritra Mukherjee, Adrita Roy, Manish Kumar Lath, Arnab Ghosal, Diganta Sengupta	Centralized Alumni Management System (CAMS) - A Prototype Proposal
4	472	Dilip Kumar Sharma, Rajendra Pamula, D. S. Chauhan	Soft Computing techniques based Automatic Query Expansion approach for improving Document Retrieval
5	267	Himdweep Walia, Ajay Rana, Vineet Kansal	Case Based Construal using Minimal Features to decipher ambiguity in Punjabi Language
6	6	Pankaj Bisht, Himanshu Gupta, Sunil Kumar Khatri	Enhancement of Reading Visibility using LED Embedded Whiteboards
7	469	Jitendra Pandey and Minimol Anil Job	Prediction of Learner Performance by Applying Data Mining Technique in Higher Education

Technical Sessions

AI Support System for Societal Cause

Chair: Dr. Dilip K Sharma, GLA University, Mathura, India

Co-Chair: Dr. Maysra Hachem, Amity University Dubai, UAE

February 06, 2019

1315–1445 hrs.

Parallel Session (Room 104 (FF))

Sl. No	Paper ID	Author(s)	Paper Title
1	90	Shreekanth Prabhu, K.N.Balasubramanya Murthy, Subramanya Natarajan	Intelligent Social Banking using Tantra Framework
2	111	Dr.Jaya Kumari, Chandra Kala K	A low complexity zero threshold detector for bandwidth efficient hierarchical modulated system
3	187	Rajeev Ranjan, Sonali Vyas, Basant Agarwal	Review of Predictive Analysis Techniques for Diabetes Risk
4	182	Alankar Singh, Lakshay Gaba, Atul Sharma	Internet of Vehicles: Proposed Architecture, Network Models, Open Issues and Challenges
5	264	Shishir Goyal, Shivansh Thapliyal, Siddharth Sharma, Souradeep Banerjee, Jagdish Chandra Patni	Image Quality Enhancement Using Linear Programming
6	399	Midhun Kumar Ayyalraj, Appavu Balamurugan	Patient Health description using NFC-Tag- M-Health
7	450	Alpana Kakkar, Armaan Farshori	Collaborative Medical Inventory Resources Using Edge Computing – A Solution To Serve Critical Healthcare Requirements At Public Hospitals
8	253	Pejman Taslimi, Shirin Pourpanahi, Bahareh Aboutalebian	Quantification of regional blockage probability and compensation effects on automatic signal controllers in oversaturated conditions
9	366	Farha Fatina Wahid, Raju G	A Dual Step Strategy for Retinal Thin Vessel Enhancement/Extraction