M.M. INSTITUTE OF COMPUTER TECHNOLOGY AND BUSINESS MANAGEMENT
MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY),
MULLANA, AMBALA, HARYANA

International Conference on
Recent Trends in Computer Applications and Information Technology
April 19-20, 2019

PAPER PRESENTATION SCHEDULE

Track: Computing and Technology Trends

Day 1: April 19, 2019 (Friday)		
Session 1: Machine Learning **Time: 12:00–13:00 Hrs** **Venue: Lab-145, Ground Floor, Engineering Block-1**		
Session Chair: Dr. Lalit Garg, University of Malta, Msida **Session Co-Chair: Dr. Neera Batra, MMEC, MMDU, Mullana**		
Paper-Id	**Author (s)**	**Title of the Paper**
74	Poonam Bhatia Anand and Rajinder Nath	A Hybrid Method for Aspect Level Sentiment Analysis using VADER and Machine Learning Models
104	Neeraj Kumar, Jatinder Manhas and Vinod Sharma	A Comparative Analysis to Visualize the Behavior of Different Machine Learning Algorithms for Normalized and Un-Normalized Data in Predicting Alzheimer's Disease
137	Bhavana and Neeraj Raheja	Improved Cluster-Minkowski Recommendation System (ICRS) for Collaborative Filtering
149	Randeep Singh and Ashok Kumar	Reducing Maintenance Efforts of Developers by Prioritizing Different Code Smells
174	Anzar Iqbal and Pooja	Intrusion Detection in Smart Grid using Machine Learning Approach

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PAPER PRESENTATION SCHEDULE

Track: Computing and Technology Trends

Day 1: April 19, 2019 (Friday)		
Session 2: Soft/Green/Pervasive/Ubiquitous Computing Time: 12:00–13:00 Hrs **Venue: Computer Center (175), Ground Floor, Engineering Block-1**		
Session Chair: Prof. Martin Radley, MMEC, MMDU, Mullana **Session Co-Chair: Dr. Rajeev Gupta, MMEC, MMDU, Mullana**		
Paper-Id	**Author (s)**	**Title of the Paper**
19	Renu Jangra and Ramesh Kait	Modified Ant System Solving TSP Problem
63	Reena and Pradeep Kumar Bhatia	Impact of crossover and mutation operator on fitness factor
75	Rakesh Kumar and Rajesh Kumar	Novel Encoding Scheme for Chromosome to use Metaheuristic in Requirement Optimization
110	Deepak Vats, Ashok Kumar, Satyaveer Singh and Mahender Singh Aswal	Recommendation Systems: Classification, Open Issues and Recent Developments
133	Akansha Tyagi and Sandhya Bansal	Review of Indian Sign Language Recognition Using Soft Computing Techniques
157	Maninder Pal, Kanisius Karyono and Tarun Gulati	EnvironMoores: Efficient NoVel Intelligent Reliable OccupatioN Monitoring for IndOor light-comfORt adaptivE System
172	Ankur Gupta and Amit Kumar Manocha	Review of Model Order Reduction Techniques for Reducing an Integer Order Large Scale System

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PAPER PRESENTATION SCHEDULE

Track: Security

Day 1: April 19, 2019 (Friday)		
Session: 3 Time: 12:00–13:00 Hrs Venue: Lab-147, Ground Floor, Engineering Block-1		
Session Chair: Prof. Shri Kant Ojha, Former Director, DRDO, Delhi Session Co-Chair: Dr. Atul Garg, MMICTBM, MMDU, Mullana		
Paper-Id	**Author (s)**	**Title of the Paper**
9	Sumiti Dahiya and Sumit Mittal	A Study on Selfish Node Detection Measures and Methods
15	Ritu Bala and Ritu Nagpal	Intrusion Detection Systems - A Generic Approach
31	Shally Nagpal and Suneet Kumar	A Review of Various Techniques Applied With Blowfish Algorithm
89	Raghavendra R., Nirranjanmurthy M., Nachappa M N and Shalini K.B.	An Emphasis of Digital Wallets for E-commerce Transactions
114	Kavita Gupta, Atul Garg and Aarti Singh	An Efficient Approach to Secure MWSN from Node Replication Attack
189	Gurmeet Kaur and Rachna Soni	Smart City: Aspects and Challenges

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PAPER PRESENTATION SCHEDULE

Track: Computing and Technology Trends

Day 1: April 19, 2019 (Friday)		
Session 4: IoT/Big Data/HPC/Smart Cities Time: 14:00–15:00 Hrs **Venue: Lab-C8, IInd Floor, MCA Block**		
Session Chair: Prof. Karamjit Bhatia, GKV, Haridwar **Session Co-Chair: Dr. Dalip Kamboj, MMICTBM, Mullana**		
Paper-Id	**Author (s)**	**Title of the Paper**
22	Deepak Ahlawat and Deepali Gupta	A Study of Big Data Clustering and HDFS Architecture
79	Jasleen Kaur, Sonali Goyal and Neera Batra	SmartEmoDetect: An IoT Based Emotion Monitoring Wearable Technology for Drivers
87	Gulbir Singh, Vivek Bhatnagar and Gautam Kumar	Pollution Management through Internet of Things: A Modern Approach for Fabrication & Virtualization of Pollution Management
97	Sunil Saini and Amrinder Kaur	Internet of Things: Architecture, Applications and Future Scope
101	Abdul Rasheed M K and Suresh Kumar N.	A Review on Real-Time Decision making and Anomaly Detection in Consolidated Big data Environment
176	Shankey Garg, Jyotir Moy Chatterjee, Biswaranjan Acharya, Roshan Gupta and Niranjan Ray	Internet of Things Based Smart Speed Monitoring System: A Smart City Initiative

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PAPER PRESENTATION SCHEDULE

Track: Communications

Day 1: April 19, 2019 (Friday)		
Session: 5 Time: 14:00–15:00 Hrs Venue: Computer Center (175), Ground Floor, Engineering Block-1		
Session Chair: Prof. Savita Gupta, UIET, PU, Chandigarh **Session Co-Chair: Prof. Rajneesh Gujral, MMEC, MMDU, Mullana**		
Paper-Id	**Author (s)**	**Title of the Paper**
3	Vikram Dhiman, Manoj Kumar and Ajay Sharma	HANET-SANET Adhoc Networks using SDN and Time Synchronization Protocol for QoS in WSN
38	Meenakshi Gupta and Atul Garg	Improving Client-perceived Performance Based on Efficient Distribution of Contents in Content Delivery Network
39	Nipun Kamboj, Dalip and Munishwar Rai	Performance Evaluation of Secure Routing in MANET Using AODV Routing Protocol
72	Amandeep Kaur and Rajneesh Kumar Gujral	A Comparative Analysis of Improvements in Leach Protocol: A Survey
77	Sakshi Aneja, Sumit Mittal, Dhirendra Sharma and Vijay Athavale	An Optimized Approach to Manage Energy Depletion in Routing Protocol for Low-Power and Lossy Networks (RPL)
82	Jagtar Singh, Sanjay Singla, Raj Kumar and Satinder Bal Sharma	Comparative Analysis of various Urban VANET Routing Protocols in Chandigarh City Scenario
90	Karan Singh and Rajeev Gupta	Comparative Assessment and Performance Analysis of Numerous Mobile Ad-hoc Network Routing Protocols: A Review Study

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PAPER PRESENTATION SCHEDULE

Track: Intelligent Systems

Day 1: April 19, 2019 (Friday)		
Session: 6 **Time: 14:00–15:00 Hrs** **Venue: Lab-C9, IInd Floor, MCA Block**		
Session Chair: Prof. Shuchita Upadhyaya, Kurukshetra University, Kurukshetra Session Co-Chair: Dr. Sanjeev Rana, MMEC, MMDU, Mullana		
Paper-Id	**Author (s)**	**Title of the Paper**
7	Lovejit Singh, Sarabjit Singh and Naveen Aggarwal	A Survey on Multimodal Databases for Human Emotion Recognition
13	Arpita Grover, Pardeep Kumar and Kanwal Garg	Potential Issues and Prospective Solution for Sentiment Analysis: A Survey
14	Shweta and Sunil Kumar	Generic Framework for Trust Evaluation in Service selection of IoT
55	Monika Bhandari	An Artificial Brain: Neural Network A Review
73	Sakshi Anand and Avinash Sharma	Internet of Medical Things: Services, Applications and Technologies
98	Savita Wadhawan, Gautam Kumar and Vivek Bhatnagar	Analysis of Different Evolutionary Techniques on Fuzzy Rule Base Generation
111	Ashish Choudhary, Nilansh Khurana and Parneeta Dhaliwal	Smart Care for Incapacitated Population

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PAPER PRESENTATION SCHEDULE

Track: Computing and Technology Trends

Day 1: April 19, 2019 (Friday)		
Session 7: Cloud Computing Time: 15:15–16:15 Hrs Venue: Lab-147, Ground Floor, Engineering Block-1		
Session Chair: Dr. Sundaresh Biligi, iNurture, Bangalore Session Co-Chair: Dr. Rohit Vaid, MMEC, MMDU, Mullana		
Paper-Id	**Author (s)**	**Title of the Paper**
33	Bhupesh Gupta and Sanjeev Rana	Mutual Exclusive Sleep Awake Energy Efficient Distributive (MESAEED) Clustering: An Approach for Enhancing Lifetime of WSN
50	Minakshi Sharma, Rajneesh Kumar Gujral and Anurag Jain	Study and Implementation of various Load-Balancing approaches for Cloud Computing using CloudSim
53	Neeraj Chauhan and Manu Sood	Performance Analysis of POX, Open vSwitch and OpenDayLight SDN Controllers on Cloud
57	Abhikirti Narwal and Sunita Dhingra	Performance Analysis of Multiobjective Algorithms for Cloud Computing Framework
60	Sunil Kumar and Sumit Mittal	Cost Management approaches for Cloud Computing Environment: Current Challenges and Future Scope
61	Atul Garg and Jyoti Parashar	Improving Security and Load Balancing in Cloud Environment
80	Deepika, Dalip and Rajneesh Kumar Gurjal	Location based Authentication and Information Security in Cloud Environment: LBAIS
86	Smita Sharma and Sanjay Tyagi	Privacy Preservation in Cloud Computing: A Review

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PAPER PRESENTATION SCHEDULE

Track: Image Processing

Day 1: April 19, 2019 (Friday)		
Session: 8 Time: 15:15–16:15 Hrs Venue: Seminar Hall, Ground Floor, Engineering Block-1		
Session Chair: Dr. Ashok Kumar, MMEC, MMDU, Mullana Session Co-Chair: Dr. Avinash Sharma, MMEC, MMDU, Mullana		
Paper-Id	**Author (s)**	**Title of the Paper**
24	Shilpa Garg, Sumit Mittal and Pardeep Kumar	Performance Analysis of Face Recognition Techniques: A Comparative Study
29	Kamaldeep Joshi, Sachin Alwadhi, Gaurav Chawla, Ravi Saini and Rajkumar Yadev	Pixel Interpolation Based Watermarking Scheme in Spatial Domain and its Analysis on Different Parameters
54	Rajbir Singh and Sumit Bansal	A Comparative Study of Image Deblurring Techniques
69	Mohit Chhabra and Rajneesh Kumar Gujral	Survey of Image pattern Recognition for An Intelligent Healthcare System: An Application Area of Machine Learning and Big Data
100	Ankit Garg and Sandhaya Bansal	Review Paper on Iris Localization for Less Constrained and Non Ideal Iris Images
109	Sukhdev Singh and Chandar Kant	Novel Method of FKP Feature Extraction using Mechanical Variable
120	Rekha and Rajeev Gupta	Analysis of Image Compression Techniques for Efficient Image Transmission over Wireless Sensor Network - A Survey

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POSTER PRESENTATION SCHEDULE

Track: Poster Presentation

Day 2: April 20, 2019 (Saturday)		
Session: 9		**Time: 15:15–16:15 Hrs**
Venue: MCA Block		
Session Chair: Dr. Sandeep Kumar Goyal, MMEC, MMDU, Mullana **Session Co-Chair: Ms. Gunjan Sethi, MMEC, MMDU, Mullana**		
Paper-Id	**Author (s)**	**Title of the Paper**
PP_001	Divayanshu Sharma	Mass Cryptocurrency Mining
PP_002	Abhijeet Jha, Kumar Ankit and Trijit Sen	Authentication in Network Security: Necessary ?
PP_004	Sarvesh Shaurya, Gamiyeh Nour and Jagdeep Singh	Eye Ring
PP_007	Cyrus Mehra	The Deep Web and the insidious Dark Web.
PP_008	Shubham Bibiyan, Manish Yadav and Nandini Gujral	Applicability of Blockchain in Bitcoins
PP_009	Om Sharma, Lakshya Sharma and Paluck	Role of IOT in Ethical Hacking
PP_010	Aditya Saini	Cryptography
PP_011	Jyoti Sharma, Radwan Absieh and Dzukogi Usman Abubakar	Ip Telephony

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PAPER PRESENTATION SCHEDULE

Track: Computing and Technology Trends

Day 2: April 20, 2019 (Saturday)		
Session 10: Cloud Computing Time: 10:00–11:00 Hrs Venue: Lab-145, Ground Floor, Engineering Block-1		
Session Chair: Prof. Sangeeta Gupta, MERI, New Delhi Session Co-Chair: Mr. Rishi Pratap Singh, Infosys, Chandigarh		
Paper-Id	**Author (s)**	**Title of the Paper**
52	Priya Oberoi, Sumit Mittal and Rajneesh Kumar Gujral	ARCN: Authenticated Routing on Cloud Network to Mitigate Insider Attacks on IAAS
124	Himani Mittal and Pooja Mohan	E-waste Management State-of-the-art and Assessment of Awareness
126	Pooja Mohan and Himani Mittal	Review of ICT Usage in Disaster Management
139	Shivani Bajaj and Manisha Malhotra	A Study on various Resource Management Algorithms to Optimize Energy Efficiency in Cloud Computing
142	Jasleen Kaur and S. R. N. Reddy	Testing of Linux Performance Monitoring Tools on ARM Based Raspberry Pi
146	Gifty Gupta and Neeraj Mangla	Workflow Scheduling in Cloud Computing: A Survey
148	Jaspreet Singh, Deepali Gupta and Neha Sharma	Cloud Load Balancing Algorithms: A Comparative Assessment
166	Priya Oberoi, Sumit Mittal and Rajneesh Kumar Gujral	Multilevel Cloud Security Policy (MCSP) for Cloud-Based Environments
167	Amit Kumar Manocha, Deepak Kumar and Ved Prakash Arora	Design of Real Time Grid Monitoring Using Cloud Computing

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PAPER PRESENTATION SCHEDULE

Track: Intelligent Systems

Day 2: April 20, 2019 (Saturday)		
Session: 11 **Time: 10:00–11:00 Hrs** **Venue: Computer Center (175), Ground Floor,Engineering Block-1**		
Session Chair: Prof. R.K. Dwivedi, Teerthankar Mahaveer University, Moradabad Session Co-Chair: Dr. Neeraj Mangla, MMEC, MMDU, Mullana		
Paper-Id	**Author (s)**	**Title of the Paper**
71	Shilpa Dang and Atul Garg	A Cross Validation Architecture for the Clustering Using Feed Forward Neural Network
93	Sourav Thakial and Bhavna Arora	Neural Network Based Prediction Model for Job Applicants
113	Gurwinder Singh and Ganesh Kumar Sethi	Automatic Land Cover Classification Using Learning Techniques with Dynamic Features: A Review
116	Pankaj Kumar Kandpal, Ashish Mehta and Arpita Joshi	Comparative Study between Two Dimensional and Four Dimensional Spiking Neuron Model
121	Kamlesh Kumari and Sanjeev Rana	Off-Line Persian Signature Verification: An Empirical Study
170	Ashok Kumar, Sunil Kumar and Parveen Kumar	Analysis of Global Publications on Expert System in Libraries
175	Bernine Caruna, Luke Theuma and Lalit Garg	A Review of Literature on Dwell-Free Eye Driven Typing
188	Aarti M. Karandea, Avinash Sharma and Dhananjay R. Kalbandec	Agility of SCM solution using Neural-Fuzzy Approach

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PAPER PRESENTATION SCHEDULE

Track: Communications

Day 2: April 20, 2019 (Saturday)		
Session: 12 **Time: 10:00–11:00 Hrs** **Venue: Lab-147, Ground Floor, Engineering Block-1**		
Session Chair: Prof. Dharminder Kumar, GJU&ST, Hisar **Session Co-Chair: Prof. Sandip Kumar Goyal, MMEC, MMDU, Mullana**		
Paper-Id	**Author (s)**	**Title of the Paper**
99	Neetu Manocha and Rajeev Gupta	A Comparative Analysis of existing Satellite Image Enhancement Techniques for Effective Visual Display
138	Sudesh Pahal, Vaishali Aggarwal and Tripti Choudhary	Vehicular Communication using Radio Waves: A Step towards Smarter Vehicles
140	Jaspreet Kaur and Amit Bindal	Adaptive Topology Control for Hierarchical Routing over Resource Constrained Wireless Sensor Networks
145	Charu Sharma and Rohit Vaid	Energy-Efficient and Secure Data Forwarding Mechanism for Balancing Cluster Lifetime for Huge Size Wireless Sensor Networks
158	Ramesh R. and Usha Kiran K	Design of Broadband OSRR Compact Multiband Antenna for Wi-MAX/WLAN/ITU bands
159	Pooja Dhand, Sumit Mittal and Ramandeep Kaur	Handover Framework for Seamless Connectivity in Heterogeneous Wireless Network
185	Kate Takyi and Amandeep Bagga	An Improved Classification Model for Wide Area Networks with Low Speed Links
186	Shiv Preet and Amandeep Bagga	Squeeze Pack and Transfer Algorithm A New over the Top Compression Application for Seamless Data Transfer over Wireless Network

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PAPER PRESENTATION SCHEDULE

Track: Data Science

Day 2: April 20, 2019 (Saturday)		
Session: 13 Time: 12:00–13:00 Hrs Venue: Lab-C8, 2nd Floor, MCA Block		
Session Chair: Dr. Mani Madhukar, IBM, Noida Session Co-Chair: Prof. Tarun Gulati, MMEC, MMDU, Mullana		
Paper-Id	**Author (s)**	**Title of the Paper**
8	Sonia Sharma, Dalip and Munishwar Rai	Comparative Analysis of Various Tools to Predict Consumer Behavior
10	Stuti Mehla and Sanjeev Rana	A Hybrid Approach for Opinion Mining of Twitter Data using Metaheuristic Optimization Technique
11	Sonia Sharma, Dalip and Munishwar Rai	Analysis of Web Logs and Consumer Behavior
23	Dar Masroof Amin and Atul Garg	Performance Analysis of Data Mining Algorithms
26	Kamaljeet Kaur and Atul Garg	A Novel Approach to Detect Outliers in High Dimensional Data
45	Dharminder Yadav, Umesh Chander and Himani Maheshwari	Political Sentiment Analysis on Twitter Data: Case study Modi and Rahul Gandhi
78	Seema and Gaurav Gupta	A Critical Review of Different Models for Customer Churn Prediction using Data Mining
81	Shikha Singla and Gaurav Gupta	Predicting the Net Asset Value of Mutual Fund: An Extended Literature Review
83	Raj Kumar, Sanjay Singla and Raj Kumar Yadav	A Study of Data Mining Techniques for Software Bug Classification
154	Naresh E, Vijaya Kumar B P and Niranjanmurthy M.	Challenges and Issues in Test Process Management

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PAPER PRESENTATION SCHEDULE

Track: Security & Applications

Day 2: April 20, 2019 (Saturday)		
Session: 14 Time: 12:00–13:00 Hrs Venue: Lab-C9, 2ⁿᵈ Floor, MCA Block		
Session Chair: Mr. Rahul Taygi, Lucideus Corporation Pvt. Ltd., Delhi **Session Co-Chair: Dr. Amit Kumar Bindal, MMEC, MMDU, Mullana**		
Paper-Id	**Author (s)**	**Title of the Paper**
17	Amandeep and G. Geetha	Research problems in Block Cipher Cryptanalysis: A Survey
40	Ancy Sherin Jose, Latha R. Nair and Varghese Paul	Mitigation of Distributed Denial of Service (DDoS) Attacks over Software Defined Networks (SDN) using Machine Learning and Deep Learning Techniques - A Survey
88	Chanda Panse, Dipak Wajgi and Manali Kshirsagar	3-Way Filtering Approach for Identification of Differentially Expressed Genes (DEGs)
102	Bhavna Arora, Dev Anand and Neha Verma	Recommendation System in e-commerce
115	Anju Bala and Priti	Comparative Analysis of Meta Heuristic Techniques on Unimodal and Multimodal Functions
119	Pooja Choudary and Kanwal Garg	A Review on Potential Issues and Prospective Solution for Preserving Privacy in Big data
156	Ashok Kumar, Sunil Kumar and Chanchal	Ethical Hacking: A Scientometric Assessment of Global Publications Output during 2009-2018
168	Kelly Steer, Lalit Garg, Vijay Prakash and Vipul Gupta	SWOT Analysis of e-Marketing for e-Business

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PAPER PRESENTATION SCHEDULE

Track: Machine Vision / Software Engineering / Web-Technologies

Day 2: April 20, 2019 (Saturday)		
Session: 15	**Time: 12:00–13:00 Hrs**	
Venue: Committee Hall, MBABlock		
Session Chair: Prof. Rajeev Sobti, Lovely Professional University, Jalandhar Session Co-Chair: Dr. Sonali Goyal, MMEC, MMDU, Mullana		
Paper-Id	**Author (s)**	**Title of the Paper**
58	Monika, Pardeep Kumar and Sanjay Tyagi	A Novel Deadline Based VM Optimization Approach
65	Arvind Sharma, Gunjan Sethi and Martin Radley	Challenges in Acquisition of New Courses in Education, Bachelor of Technology in SD vs Traditional CSE Program: A Case Study of M.M. Deemed to be University
76	Ankur Aggrawal and Rajwinder Kaur	Analysis of Software Requirement Traceability and Enhancement of Quality of Traceability Process using Quality Assurance Interface
85	Vikas Mittal and R. K. Sharma	Classification of Pathological Normal Voice using Glottal Signal
94	Shivangi Dutta and Bhavna Arora	Preprocessing for Parts of Speech (POS) Tagging in Dogri Language
173	Keith Vassallo, Lalit Garg, Vijay Prakash and Ramesh K	Review of Contemporary Technologies and Methods for Cross-Platform Application Development
187	S. Pavithra and S. Janakiraman	Tamil Phonemes Recognition for Normal and Hearing Impaired Children: A Survey