



PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)		
Session 1 : 1445-1530hrs		
Venue: LT-01, Ground Floor, Block A		
Session Chair(s): Dr. Manish Suroliya and Dr. Jyoti Rajharia		
Artificial Intelligence for Sustainability		
PID	Authors	Title
21	M Rajani Shree and Dr. B R Shambhavi	POS Tagger model for Kannada Text with CRF++ and Deep Learning approaches
34	S Gadtia, S Padhan and B Bhoi	Square root formulae in the Sulbasutras and the Bakhshali Manuscript
43	Ajeet Ram Pathak, Abhishek Raut, Soham Pawar, Mansi Nangare, Harshdeep Singh Abbott and Pawan Chandak	Personality analysis through Handwriting Recognition
51	Prabhnoor Singh, Rajkanwar Chopra, Ojasvi Sharma and Rekha Singla	Feature Reduction Using A Random-Switching Genetic Algorithm
69	Mahesh Mali, Dharendra Mishra and M. Vijayalkshmi	Multifaceted Recommender Systems Methods: A Review
82	Neha Bansal, Arun Sharma and R. K. Singh	Recurrent Neural Network for Abstractive Summarization of Documents
89	Preeti Garg and Dr. R. Rama Kishore	Secured and Multi Optimized Image Watermarking using SVD and Entropy and prearranged embedding locations in Transform domain



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PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)

Session 2 : 1445-1530hrs

Venue: LT-02, Ground Floor, Block A

Session Chair(s): Prof. Deepak Dembla and Dr. Dinesh Kumar Dharamdasani

Sustainable Computing

PID	Authors	Title
95	Ayman Bin Abdulaziz Al-Tameem and Abdul Khader Jilani Saudagar	Machine learning approach for identification of threat content in audio messages shared on social media
106	Anand Upadhyay, Mahipal Singh and Vivek Kumar Yadav	Improvised Number Identification Using SVM and Random Forest Classifiers
109	Vinod Kadam and Shivajirao Jadhav	Performance analysis of Hyperparameter Optimization methods for Ensemble Learning with Small and medium sized Medical datasets
124	SonalPatil	Design of a Machine Learning Layer to Optimize Forgery Detection in Videos
128	Sujatha K, Thivya K.S., Anand M, Jayachitra N, Durgadevi G, Bhavani N.P.G and Srividhya V	Vision Machine Learning for Detection of Ocular Pathologies from Iris Images
132	Mariam Mohamed, Mahmoud A. Attia, Ahmed M. Asim, Almoataz Y. Abdelaziz and NeerajKanwar	Optimization of Cleaning Frequency and Dust Accumulation Effect on Solar Photovoltaic Panels
133	Gerard Deepak, Varun Teja and A Santhanavijayan	A Novel Firefly Driven Scheme for Resume Parsing and Matching based on Entity Linking Paradigm



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PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)		
Session 3 : 1445-1530hrs		
Venue: LT-11, First Floor, Block A		
Session Chair(s): Dr. Surendra Yadav and Dr. Vivek Kumar Sharma		
Sustainable Soft Computing		
PID	Authors	Title
143	PreetiGarg and Dr. R. Rama Kishore	An Improved and Secured Digital Image Watermarking Technique Using DCT, Fuzzy Entropy and Image Scrambling in Hybrid Domain
146	Pushpendra Bharti	Two-step optimization of electric discharge machining using neural-network-based approach and TOPSIS
150	KalvaSudhakar and Dr.S. Naganjaneyulu	Optimizing Parameters in Algorithm Trading using MapReduce on Indian Stock Exchange (Sensex)
165	Vinita Malik and Sukhdip Singh	Artificial Intelligent Environments: Risk Management and Quality Assurance Implementation
167	Rahul Hans, Harjot Kaur and Navreet Kaur	Opposition-Based Harris Hawks Optimization Algorithm for Feature Selection in Breast Mass Classification
182	Rajesh Kumar E, K.V.S.N.Rama Rao, Soumya Ranjan Nayak and Ramesh Chandra	Suicidal Ideation Prediction in Twitter Data using Machine Learning Techniques
183	Arpita Roy, Shaik Razia, Nikhat Parveen, Arumbaka Srinivasa Rao, Soumya Ranjan Nayak and Ramesh Chandra	Fuzzy Rule Based Intelligent System for User Authentication Based on User Behaviour



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PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)		
Session 4 : 1445-1530hrs		
Venue: LT-12, First Floor, Block A		
Session Chair(s): Dr. Manju and Dr. Pawan Bhambu		
Sustainable Engineering		
PID	Authors	Title
192	Abhas Kanungo, Monika Mittal and Lillie Dewan	Wavelet based PID controller using GA optimization and scheduling for feedback systems
214	Divya Agarwal and Pushpendra S. Bharti	Nature Inspired Evolutionary Approaches for Robot Navigation: Survey
282	AnandUpadhyay, Ratan Singh and Omkar Dhonde	Random Forest Based Classification of Seagrass Habitat
408	Deepthi Raj, A.B. Kalpana and Manoj Singh	State Encoding for Low Power in FSM using Non-Oscillating Self-Adaptive Particle Swarm Optimization (NOS-SAPSO)
501	Kumar Vaibhav	Traffic Density Estimation using Progressive Neural Architecture Search
8	Sahyaja Ch and Sekhar Rao K	Factors Influencing the Ambidextrous Leadership: A Study on IT sector in India
26	Vaishali Dhingra and Manish Dhingra	An empirical research on relationship between adequate and fair compensation and quality of work life



PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)

Session 5 : 1445-1530hrs

Venue: LT-13, First Floor, Block A

Session Chair(s): Prof. Surendra Singh Choudhary and Prof. Diwakar Khare

Sustainable Optimization

PID	Authors	Title
38	Teja Santhosh D, Vijayalakshmi Kakulpati and Basava Raju K	ONTOLOGY BASED SENTIMENTAL KNOWLEDGE IN PREDICTING THE PRODUCT RECOMMENDATIONS: A DATA SCIENCE APPROACH
52	Prabhnoor Singh, Rajkanwar Chopra, Ojasvi Sharma and Rekha Singla	STACKOVERFLOW TAG PREDICTION USING TAG ASSOCIATIONS AND CODE ANALYSIS
57	Poonam Chaudhary, NeerjaNegi and DrSatish Chandra	Web Service Classification based on Non-functional Parameters using Vote based Classifier
59	Deepak Sharma and Pravin Chandra	Linear Regression with Factor Analysis in Fault Prediction of Software
67	Kalpna Sagar and AnjuSaha	Quantitative usability assessment relying on experiential and specific-task-based SUS ratings
70	Kamal Gupta, Bhoomi Gupta and Sanjay Kumar Sadana	Geospatial Data Preprocessing and Visualization for the Logistics Industry
72	Ankur Bist and Ashay Singh	OSX Malware Detection: Challenges and Solutions



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PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)

Session 6 : 1545-1700hrs

Venue: LT-01, Ground Floor, Block A

Session Chair(s): Dr. Manish Suroliya and Dr. Jyoti Rajharia

Sustainable Cyber Physical System

PID	Authors	Title
76	Pooja Dehraj and Arun Sharma	Autonomic Computing based Trustworthiness Attributes Weight Estimation Using Electre-Tri Method
84	Nishu Gupta and Ity Patni	Does Credit Default & Other Managerial Implications Affect Stock Market and Related Industry?
85	Devesh Kumar Srivastava and Pradeep Kumar Tiwari	An empirical result analysis to find the employee attrition factor within the organization
86	Pulkit Rathi, Sugandha Rathi and Kamlesh Gupta	An optimization approach for transportation problem of transplant organ using Self-Adaptive Bear Hibernation algorithm
87	Kshatrapal Singh, Dr Ashish Kumar and Dr Manoj Gupta	Modified k-string in Composition Vector Method for DNA Sequence Comparison based on Maximum Entropy Principle
107	AnandUpadhyay, Roheet Jahdav and Shiv kumar Nadar	Comparative study of SVM & KNN for signature verification
117	Sanjeev Kumar Punia, Manoj Kumar, Jyoti Agarwal and Kuldeep Malik	Object Based Learning Using Multi-Dimensional Games



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PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)

Session 7 : 1545-1700hrs

Venue: LT-02, Ground Floor, Block A

Session Chair(s): Prof. Deepak Dembla and Dr. Dinesh Kumar Dharamdasani

Sustainable Engineering

PID	Authors	Title
119	Neha Gupta and Vivek Kapoor	Hybrid Cryptographic Technique to Secure Data in Web Application
130	Umaa Mageswari Sundara Rajan, Mala C, Santhanavijayan A and Gerard Deepak	A Non-Collaborative Approach for Modeling Ontologies for a Generic IoT Lab Architecture
134	Sushreeta Tripathy and TriptiSwarnkar	Performance observation of mammograms using an improved dynamic window based adaptive median filter
140	Mala Yadav and Sachin Gupta	Hybrid Meta-Heuristic VM Load Balancing Optimization Approach
166	Vinita Malik and Sukhdip Singh	Pervasive Computing Environments: Implementing Cloud Readiness & Benchmarking
168	AmanJatain	Metric Based Reusability Analysis of Software Systems
172	AbhishekRawat, Dheeraj Kumar and Rajat Subhra Chatterjee	Seismic Hazard Assessment in Indo-gangetic plain due to Nepal Earthquake 2015 using PGA estimation



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PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)

Session 8 : 1545-1700hrs

Venue: LT-11, First Floor, Block A

Session Chair(s): Dr. Surendra Yadav and Dr. Vivek Kumar Sharma

Sustainable Distributed Computing

PID	Authors	Title
176	Mps Bhatia, Akshi Kumar, Rohit Beniwal and Tushar Malik	Ontology Driven Software Development for Automatic Detection and Updation of Software Requirement Specifications
181	Tanuja Pattanshetti and Vahida Attar	Parameter Tuning of Big Data Platforms for Performance Optimization
184	Sandeep Panchal and Amit Kr. Shrivastava	Application of Analytic Hierarchy Process in Landslide Susceptibility Mapping at Regional Scale in GIS Environment
187	Rajendra Kumar, Sunil Kumar Khatri and Mario José Diván	Efficiency Measurement of Data Centers: An Elucidative Review
188	UshaKumari P. V.	A Stochastic inventory system with two modes of service under N-policy
196	David Lalrochunga, Adikanda Parida and Shibabrata Choudhury	Sustainability of UAVs in developing countries: Prospects and challenges
255	Pankaj Negi	Stability Enhancement of Grid Connected PV System using Model Reference Adaptive controller



PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)		
Session 9 : 1545-1700hrs		
Venue: LT-12, First Floor, Block A		
Session Chair(s): Dr. Munish Sabharwal and Dr. Pawan Bhambu		
Cryptography and Network Systems for Sustainable Development		
PID	Authors	Title
316	Neha Gupta, Dr. Arun Sharma and Dr. Manoj Kumar Pachariya	Guidelines to integrate optimization of test cases for detection and localization of faults
348	Narendra Mishra and Prof R K Singh	Prioritisation and Security Defense Algorithm for Cloud Specific Vulnerability through Scoring and Base Metric Group
414	Nimai Sarkar, MausumiSen and DipankarSaha	Solution of non linear Fredholm integral equation involving constant delay by BEM with piecewise linear approximation
468	Aparna Joshi and Shyamala Devi Munisamy	Dynamic Degree Balanced with CPU Based VM Allocation Policy for Load balancing
58	Mumtaz Ahmed, M N Doja and MohdAmjad	An Energy Efficient IS-MAC Based on Distributed Coordination Function (DCF) for Wireless Passive Sensor Networks
97	Vishal Choudhary and Sunil Taruna	THE HIGHLY SECURE POLYNOMIAL POOL-BASED KEY PRE-DISTRIBUTION SCHEME FOR WIRELESS SENSOR NETWORK
120	Arpana Kumari and Vivek Kapoor	Competing Secure Text Encryption in Intranet using Elliptic Curve Cryptography



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PAPER PRESENTATION SCHEDULE

Day 1: January 20, 2020 (Monday)

Session 10 : 1545-1700hrs

Venue: LT-13, First Floor, Block A

Session Chair(s): Prof. Surendra Singh Choudhary and Prof. Diwakar Khare

Sustainable Cyber Security

PID	Authors	Title
122	Ratan Singh Gaharwar and Dr Roopam Gupta	Review of Cyber Security Threats and Proposed Trustworthy Memory Acquisition Mechanism
141	Neeraj Singh and Vasundhara Mahajan	Detection of Cyber Cascade Failure in Smart Grid Substation Using Advance Grey Wolf Optimization
180	Ganesh Kumar Wadhvani, Prof. Sunil Kumar Khatri and S K Mutto	Trust Framework for attack resilience in MANET using AODV
190	Ratan Singh Gaharwar and Dr. Roopam Gupta	Vulnerability Assessment of Android Instant messaging application and Network Intrusion Detection Prevention Systems
193	S Santhanalakshmi, Sangeeta K and G K Patra	Design of Group Key Agreement Protocol Using Neural Key Synchronization
344	Narendra Mishra and Prof R K Singh	DDOS VULNERABILITIES ANALYSIS & MITIGATION MODEL IN CLOUD COMPUTING
401	SakshiDhingra and Prof. Dharminder Kumar	APROLOGUE TO NATURAL COMPUTING IN REMOTE SENSING



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PAPER PRESENTATION SCHEDULE

Day 2: January 21, 2020 (Tuesday)

Session 11 : 1100-1300hrs

Venue: LT-01, Ground Floor, Block A

Session Chair(s): Dr. Anurag Jain and Er. Digambar Rana

Soft Computing Applications for Sustainable Development

PID	Authors	Title
198	Ram Singh	Comparative Analysis of SVM and ANN Classifier Based on Surface EMG signals for Elbow Movement Classification
201	Sivakannan Subramani, Omprakash Narayanan L, Kamalanathan C, Sunita Panda and Bhaskara Sreenivas	DESIGN OF ROBUST IMAGE WATERMARKING TECHNIQUE BASED ON SHEARLET TRANSFORM AND QR MATRIX DECOMPOSITION
212	Rashmi Sharma and AnjuSaha	Identification of critical test paths using Firefly algorithm for object-oriented software
226	Samta Rani and Sarfaraz Masood	Predicting Congenital Heart Disease using Machine Learning Techniques
228	Sunesh Malik and R Rama Kishore	Spiking Neural Network Based Scrambled Watermark Hiding in Low-Frequency Region of Digital Image
232	NeerajPratap and Shwetank Arya	Development of Spectral Signatures and Classification Using Hyperspectral Face Recognition
253	VijayasriIyer, Bhargava Ganti, Hima Vyshnavi A M, P K Krishnan Namboori and SriramIyer	Hybrid Quantum Computing based Early Detection of Skin Cancer
262	LastikaSethi, Anay Dave, Raj Bhagwani and Ameyaa Biwalkar	Multidisciplinary System for Video Security against DeepFakes and other forgeries
373	MorasaBalaji and N Padmaja	Analysis and Design of a Low Voltage/ Low Power CMOS based Operational Amplifier for Biomedical Applications
392	G.L. Saini, Deepak Panwar, Sandeep Kumar and Vijander Singh	A Systematic Literature Review and Comparative Study of Different Software Quality Models



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Day 2: January 21, 2020 (Tuesday)		
Session 12 : 1100-1300hrs Venue: LT-02, Ground Floor, Block A Session Chair(s): Dr. Monika Jain and Er. Akshat Agarwal		
Sustainable Optimization		
PID	Authors	Title
264	Barkha Joshi and Dr Hetal Bhavsar	Plant Leaf Disease Detection and Control: A survey
273	Pankaj Singh Rana and Nitin Sharma	Stability Analysis of a SI Type Model for HIV/AIDS
278	ArvindSelwal and NadishAyub	An Improved Image Steganography Technique using Edge based Data Hiding in DCT domain
288	NishaRathee	Gravitational Search Algorithm: A Novel Approach for Structural Test Path Optimization
312	Rahul ., PriyanshKedia, Subrat Sarangi and Monika .	Analysis of Machine Learning Models for Malware Detection
319	Yasmine Begum, Morasa Balaji and Hirald Dwaraka Praveena	Development of Animal Collar for State of Health determination of Livestock
325	Naladi Ram Babu, Sanjeev Kumar Bhagat, Lalit Chandra Saikia and Tirumalasetty Chiranjeevi	Application of Hybrid Crow-search with Particle Swarm Optimization Algorithm in AGC Studies of Multi-area Systems
339	MamathaNp and Dr. Thangaduain	SATELLITE IMAGE PROCESSING FOR GEOGRAPHICAL APPLICATIONS
352	Deepak Sinwar, Sunil Kr. Maakar, Nisha Sharma and Sudesh Kumar	Analysis and Comparison of Ant Colony Optimization Algorithm with DSDV, AODV and AOMDV based on Shortest Path in MANET
419	Ravi S Dubey	SOME RESULTS ON THE NEW FRACTIONAL DERIVATIVE OF GENERALIZED k- WRIGHT FUNCTION



PAPER PRESENTATION SCHEDULE

Day 2: January 21, 2020 (Tuesday)		
Session 13 : 1100-1300hrs		
Venue: LT-11, First Floor, Block A		
Session Chair(s): Dr. Santosh Kumar Vishwakarma and Mr. Ankit Kumar		
Nature Inspired Computing		
PID	Authors	Title
376	Poonam Singh, Sachin Ahuja, VanitaJaitly and Shaily Jain	A framework to alleviate common problems from recommender system: A case study for technical course recommendation
385	PriyadarsanParida and Ranjita Rout	A novel method for melanocytic skin lesion extraction and analysis
393	Tauseef Ahmad	EnergyEC: An Artificial Bee Colony Optimization Based Energy Efficient Cluster Leader Selection for Wireless Sensor Networks
396	Mohan Kumar, Sunil Kumar Khatri and Masoud Mohammadian	Breast Cancer identification and Prognosis with Machine Learning Techniques- An Elucidative Review
422	Naresh Patnana, Swapnajit Pattnaik and Dr. V. P. Singh	Salp Swarm Optimization Based Controller Design for Photovoltaic Reverse Osmosis Plant
452	Rashmi Sharma and Anju Saha	An Integrated Approach of Class Testing Using Firefly and Moth Flame Optimization Algorithm
475	Akash Saxena, Shalini Shekhawat, Ajay Sharma, Harish Sharma and Rajesh Kumar	Chaotic Step Length Artificial Bee Colony algorithms for Protein Structure Prediction
73	Rangith Kuriakose and Hermanus Vermaak	Designing a Simulink model for a mixed model stochastic assembly line: A case study using a water bottling plant
313	Shilpa Sharma and Harshal Patil	Secure data hiding scheme using firefly algorithm with hidden compression
428	Pankaj Agarwal, Deepak Panwar, ParvinderTyagi and Vijander Singh	Delay analysis in order execution and production in Gems & Jewellery Industry: A Case Study



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PAPER PRESENTATION SCHEDULE

Day 2: January 21, 2020 (Tuesday)		
Session 14 : 1100-1300hrs		
Venue: LT-12, First Floor, Block A		
Session Chair(s): Dr. Pankaj Dadheech and Dr. Ayush Dogra		
Sustainable Management		
PID	Authors	Title
203	Rekha Sharma and Reena Dadhich	Analyzing CMMI RSKM with Small Software Industries at Level-1
205	Vikas Agnihotri and Munish Sabharwal	An Automatic Radar Based Aerial Target Recognition Framework
208	Imran Siraj and Puspendra Bharti	Process Capability Analysis of a 3D Printing Process
209	Mohammad Hasan, Mohd Yousufjaved and Ayesha Farooq	How Can Tamil Nadu Leather Industry Tackle Survival Turmoil? Crystalizing the Case Through Content analysis and Analytical Hierarchy Process (AHP)
210	Mohammad Hasan, Yousuf Javed and Ayesha Farooq	What Kanpur can learn from the strategic intent of Tamil Nadu? Understanding Leather Industry through content analysis and AHP process
213	Yousufjaved, Mohmmmad Hasan and Ruzaina Khan	FUTURE OF BITCOIN IN INDIA: ISSUES AND CHALLENGES
221	Deepak Kshirsagar and Sandeep Kumar	An Ensemble Feature Reduction Method for Web-Attack Detection
223	HimanshuUpadhyay, Pragya Singh and Nripendra Singh	DIGITAL PROMOTIONAL STRATEGIES FOR MULTI-BRAND RETAIL FASHION STORES IN INDIA
235	Kamalanathan Chandran, Sunita Panda and Bhaskara Sreenivas	AN EFFICIENT SECURE AUTHENTICATION SCHEME FOR PERSONALIZED HEALTHCARE SYSTEM
485	Yudhveer Singh and Ravi Shanker Dubey	Fractional Calculus operator with Generalize K-Mittag-Leffler function



PAPER PRESENTATION SCHEDULE

Day 2: January 21, 2020 (Tuesday)		
Session 15 : 1100-1300hrs		
Venue: LT-13, First Floor, Block A		
Session Chair(s): Dr. Vishal Saxena and Er. Raja Brij Bhushan		
Sustainable Analytics		
PID	Authors	Title
236	Debasis Tripathy, Sadasiva Behera and Nalin Behari Dev Choudhury	Implementation of grasshopper based cascaded fuzzy PD-PI controller for frequency stability in a multi-area power system
239	NavdeepMor, Dr. Hemant Sood and Dr. Tripta Goyal	A Statistical Model for Prediction of Road Accidents in the State of Punjab
240	NavdeepMor, Dr. Hemant Sood and Dr. Tripta Goyal	A statistical model to Prioritize Selected Northern-Indian States/UT of India based on accident data
243	Tameem Ahmad, Syed Omar Ali, Rifa Khan and Sayyed Usman Ahmed	Beginning with exploring the way for rumour free social networks
254	Sanjay Kumar, NeerajBhat and B S Panda	Analysis of Social Network Metrics Based on the Model of Random Recursive Tree
270	Gaurav Gupta, Hemant Sood and Pardeep Kumar Gupta	Mathematical Modelling of resilient modulus response of fibre reinforced clay subgrade for pavement design
275	Vijmendra Kumar Grover, Jai Prakash Verma, Ashish Kumar, Nivedita Sharma and Pramod Kumar Tiwari	A statistical model for ACTN3 genotype in elite power and speed athletes
280	Suman Bhakar and Devershi Pallavi Bhatt	Development of augmented reality application to detect the 3D marker through POSIT algorithm
292	Kumar Rahul, Rohitash Kumar Banyal and Puneet Goswami	Analysis and processing aspects of data in big data applications



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Day 2: January 21, 2020 (Tuesday))		
Session 16 : 1500-1700hrs		
Venue: LT-01, Ground Floor, Block A		
Session Chair(s): Dr. Ravi Raj Choudhary and Dr. Sanjeev Mathur		
Sustainable Computing		
PID	Authors	Title
303	Pradip Kumar Parida, Chandni Kumari and Shwet Nisha	Convergence of one point iteration method under majorant condition
310	Akash Rajak, Ajay Kumar Shrivastava and Vidushi .	Applying and Comparing Classification Algorithms on Students Dataset to Predict Future Grades
318	Vivek Kapoor, Shubhamoy Dey and A P Khurana	Modeling the Influence of World Stock Markets on Indian NSE Index
330	Vishal Sharma, Sergey Sergeyev and Love Kumar	Free Space Optics employed Spatial Diversity under Hazy environment
332	Tirumalasetty Chiranjeevi, Raj Kumar Biswas and Naladi Ram Babu	Effect of initialization on optimal control problem of fractional order discrete-time system
338	Prashant Kanade and Dr Arun Kumar	Adoption of EHR System in India: Challenges and Recommendations
351	SandipSaha, Pankaj Biswas and SujitNath	Bifurcation phenomena for incompressible laminar flow in expansion channel to study Coanda effect
357	Shilpa Sharma, Linesh Raja and Devershi Pallavi Bhatt	Role of Ontology in Software Testing
363	Sahil Khattar and Rama Krishna Challa	Adversarial Attack to Fool Object Detection Algorithm
492	Sanjay Jain, Sandeep Kumar, Vivek Kumar Sharma and Ramesh Chandra	Modified differential evolution algorithm for solving minimum spanning tree



PAPER PRESENTATION SCHEDULE

Day 2: January 21, 2020 (Tuesday)		
Session 17 : 1500-1700hrs		
Venue: LT-02, Ground Floor, Block A		
Session Chair(s): Dr. Akash Saxena and Dr. Gaurav Meena		
Sustainable Management		
PID	Authors	Title
366	Ishani Arora and Anju Saha	Software defect prediction using extreme learning machines
377	Pallabi Saikia and Dimpal Jyoti Mahanta	An approach to estimate the parameters of Schnute growth model for Growth of Babul (Acacia Nilotica) Trees in India
378	Jyoti Hatiboruah, Rajive M. Pant and Shibabrata Choudhury	Sustainable Livelihood by HR Capacity Building in Multicropping Practices of Indian Eastern Himalayan Region: A Case Study
379	Rahul ., Subrat Sarangi, Priyansh Kedia and Monika	Analysis of Various Approaches for Stock Market Prediction
382	IshwarKaushik, Gerard Deepak and A Santhanavijayan	QuantQueryEXP: A Novel Strategic Approach for Query Expansion Based on Quantum Computing Principles
387	RakeshBatra, Ruchi Gupta and PriyankaSahni	Some results related to fixed points of F-G-contractions on metric spaces equipped with w-distance
390	Pallabi Saikia, Dimpal Jyoti Mahanta and Munindra Borah	Fitting and Forecasting Mortality for Assam population by applying the Lee-Carter Model
394	Shikha Parashar and Pankaj Tomar	Mechanical Aspects of Sustainable Multiscale Bamboo Biocomposite - A Green Technology
417	J. K. Bokam, Dr. V. P. Singh and S. N. Raw	An Improved Method for Reduction of Continuous Interval Systems Using Anderson Corollary
493	Abhay Sharma, RekhaChaturvedi, Sandeep Kumar and Umesh Kumar Dwivedi	Multi-Level Image Thresholding Based on Kapur and Tsallis Entropy and Firefly Algorithm



PAPER PRESENTATION SCHEDULE

Day 2: January 21, 2020 (Tuesday)		
Session 18 : 1500-1700hrs		
Venue: LT-11, First Floor, Block A		
Session Chair(s): Dr. Shilpa Sharma and Dr. Ram Naresh Saraswat		
Artificial Intelligence for Sustainability		
PID	Authors	Title
424	Madan Mohan Chodavarapu, Binod Shaw and Dr. V. P. Singh	GWO based controller design for Riverol-Pilipovik water treatment plant
438	Aditya Prasad Padhy, Varsha Singh and VinayPratap Singh	Model Order Reduction of Discrete time uncertain system
443	Gurkirandeep Kaur and Rakesh Kumar Sharma	Enlightening the Critical Success Factors of Merger and Acquisition Deals : Evidence from Indian Companies
222	MadhviPopli	A Novel Approach for Data Security using DNA Cryptography with Artificial Bee Algorithm
227	Waseem Ahmad and Dr. Rashid Ali	User Identification Across multiple online social networks using cross link attribute and Network relationship
245	Lina Rose and Anitha Mary X	Sensor Data Classification using Machine Learning Algorithm
247	Siddharth Rajput, Piyush Yadav, Archana Singh, Tanishq Arora and Shivanshi Shokeen	Tweaking RFID and Adding Additional Layers Of Security To It
256	NavdeepMor, Dr. Hemant Sood and Dr. Tripta Goyal	An approach driven critical review on the use of Accident Prediction Models for Sustainable Transport System
259	Manipriya Sankaranarayanan, Mala C and Samson Mathew	Virtual Mono-Layered Continuous Containers for Vehicle Detection Applications in Intelligent Transportation Systems
495	Pragathi Bellamkonda, Deepak Kumar Nayak and Ramesh Chandra	Solar PV System- Frequency Adaptive Disturbance Observer Control Algorithm for Compensating Harmonics and Frequency Disturbances



PAPER PRESENTATION SCHEDULE

Day 2: January 21, 2020 (Tuesday)		
Session 19 : 1500-1700hrs		
Venue: LT-12, First Floor, Block A		
Session Chair(s): Dr. Mahesh Jangid and Dr. Ayush Dogra		
Sustainable Computing		
PID	Authors	Title
260	Pritam Sharma, Pankaj Kumar and Sohil Sisodiya	Sustainable Agriculture: An IOT based Case-Study
289	Ankit Gambhir, Dr. Ashish Payal and Dr. Rajeev Arya	Water Cycle Algorithm Based Optimized Clustering Protocol for Wireless Sensor Network
291	Rakesh Sharma, Poonam Jindal and Brahmjit Singh	Study and Analysis of Key Generation Techniques in Internet of Things
308	Anuj Kumar Singh and Dr. B.D.K. Patro	Security Attacks on RFID and their Countermeasures
311	Savita Kumari and Brahmjit Singh	5G Standard: The Next Generation Wireless Communication System
314	Ashisha G R, Anitha Mary X and Lina Rose	Design Challenges for Embedded Based Wireless Postoperative Bedside Monitoring System
323	Sampath Kumar Venkatachary, Jagdish Prasad, Ravi Samikannu, Annamalai Alagappan and Leo John Baptist	Cybersecurity Infrastructure challenges in IoT based Virtual Power Plants
324	Tauseef Ahmad and Ash Mohammad Abbas	EEAC: An Energy Efficient Adaptive Cluster based Target Tracking in Wireless Sensor Networks
354	Ash Mohammad Abbas	Analysis of Error for Anchor-Based Localization in Wireless Sensor Networks
497	Pragathi Bellamkonda, Deepak Kumar Nayak and Ramesh Chandra	Hardware Implementation and Analysis of Grid Connected Photovoltaic System
487	Vinita Agrawal and Shikha Panwar	Effective Management of Smart Phone Usage Among Academic Staffs /Faculties in Higher Educational Institutions



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PAPER PRESENTATION SCHEDULE

Day 2: January 21, 2020 (Tuesday)		
Session 20 : 1500-1700hrs		
Venue: LT-13, First Floor, Block A		
Session Chair(s): Dr. Rahul Singhal and Dr. Umesh Kr. Dwivedi		
Application of Science for Sustainable Development		
PID	Authors	Title
478	AmenaSalim and Rahul Singhal	Efficacy of ion irradiation in strengthening the surface plasmon resonance effect of Au nanoparticles
479	Himanshu Dixit and Rahul Singhal	Blue and Red Shift in Plasmonic Resonance of Au-Fullerene nanocomposite
480	Vikesh Chaudhary, Rahul Singhal and Himanshu Dixit	Synthesis & Characterization of Au-a:CNanocomposite thin films with different size of Au NPs
484	Shiwani Kalia, Rajnish Dhiman and Rahul Singhal	Electronic excitations induced surface modification study of graphene oxide and reduced graphene oxide thin films
488	SonalVarshney and Dr. Umesh Kumar Dwivedi	EXPERIMENTAL INVESTIGATION OF ATTENUATION FOR NATURAL POLYMERS (WOOD SAMPLES)
498	Pragathi Bellamkonda, Deepak Kumar Nayak and Ramesh Chandra	Mitigation of Power Quality Issues for Grid Connected Photo Voltaic System using Soft Computing Techniques
367	Sunita Singhal, Paul Agostinho Medeira, Moin Khorajiya and Parth Singhal	Detection of Application Layer DDoS Attacks Using Big Data Technologies
372	Sharad Chauhan, Navpreet Kaur N and Dr. Inderdeep Kaur Aulakh	Evaluation and Implementation of Cluster Head Selection in WSN using Contiki/Cooja Simulator
384	Kuldeep Kuldeep, Sohil Sisodiya and Anil K. Mathur	GIS based noise mapping for Kota city
455	Manju Choudhary, Pawan Bhambu and Sandeep Kumar	Target K-Coverage Problem in Wireless Sensor Networks



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PAPER PRESENTATION SCHEDULE

Day 3: January 22, 2020 (Wednesday)		
Session 21 : 1015-1200 hrs		
Venue: LT-01, Ground Floor, Block A		
Session Chair(s): Dr. Narendra Singh Yadav and Dr. Harshvardhan Harsh		
Sustainable Management		
PID	Authors	Title
412	Kuldeep Kuldeep, Sohil Sisodiya and Anil K. Mathur	Spatio-temporal variability of precipitation & temperature for Hadoti region, Rajasthan (India)
427	Nadeem Akhtar, Sufyan Beg and Md Muzakkir Hussain	Sparse Two Level Topic Model for Extraction of General Summary Words
432	Narendra Kumar Jena, SubhadraSahoo and Binod Kumar Sahu	Fractional order cascaded controller for AGC study in Power System with PV and Diesel generating units
444	Arul Rajan K	INFLUENCE OF HEDONIC AND UTILITARIAN MOTIVATION ON IMPULSE AND RATIONAL BUYING BEHAVIOUR IN ONLINE SHOPPING
445	Indu Choudhary and Rishipal Singh	Trajectory Planning & Optimization for UAV Communication: A Review
447	Andrews Leo John Baptist, Linesh Raja, Suresh Shanmugasundaram, Sampath Kumar Venkatachary and Annamalai Alagappan	Application of Internet of Things - A Smart healthcare concept for Botswana
457	Akshat Agrawal and Anurag Jain	Speech emotion recognition of Hindi speech using statistical and machine learning techniques
458	Mayank Mohan Sharma, Akshat Agrawal, Sandeep Kumar and Harshal Deore	Revisiting agile software development process based on latest software industry trends
462	Swati Sahasrabudhe, Dr. Naim Shaikh and Dr. Kishori Kasat	Internationalization of higher education - Necessity to adapt to new forms of engagement for ensuring sustainability?



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PAPER PRESENTATION SCHEDULE

Day 3: January 22, 2020 (Wednesday)		
Session 22 : 1015-1200 hrs		
Venue: LT-02, Ground Floor, Block A		
Session Chair(s): Dr. Vishwambhar Pathak and Dr. Deepak Sinwar		
Sustainable Soft Computing		
PID	Authors	Title
211	Shradha Verma, Anuradha Chug and Amit Singh	Application of Convolutional Neural Networks for Evaluation of Disease Severity in Tomato Plant
307	Murli Manohar Gour, Sunil Joshi, Pranay Goswami and Sunil Dutt Purohit	New Classes of Bi-univalent Functions
329	K Shreyas, Gerard Deepak and A Santhanavijayan	GenMOnto: A Strategic Domain Ontology Modelling Approach for Conceptualization and Evaluation of Collective Knowledge for Mapping Genomes
360	Shikha Gupta and Anuradha Chug	Software maintainability prediction using an enhanced random forest algorithm
398	Sandhya Tarwani and Anuradha Chug	Investigating Optimum Refactoring Sequence Using Hill-Climbing Algorithm
405	Rahul Adhao and Vinod Pachghare	Feature Selection using Principal Component Analysis and Genetic Algorithm
411	Kavish Sanghvi, Adwait Aralkar, Saurabh Sanghvi and Ishani Saha	A Survey on Image Classification Techniques
413	Debaditya Barman, Ritam Sarkar, Anil Tudu and Nirmalya Chowdhury	Personalized query recommendation system: a genetic algorithm approach
279	Devershi Pallavi Bhatt, Linesh Raja and Shilpa Sharma	Light-Weighted Cryptographic Algorithms for Energy Efficient Applications



PAPER PRESENTATION SCHEDULE

Day 3: January 22, 2020 (Wednesday)		
Session 23 : 1015-1200 hrs Venue: LT-11, First Floor, Block A Session Chair(s): Dr. Vinod Gill and Dr. Ayush Dogra		
Sustainable Engineering		
PID	Authors	Title
481	Vigneshkumar Chellappa, Urmi Ravindra Salve, Rita Yi Man Li and Roode Liias	A knowledge-based approach for enhancing fall prevention in the construction industry
491	Sanjay Jain, Sandeep Kumar, Vivek Kumar Sharma and Ramesh Chandra	Peregrine preying pattern based differential evolution for robot path planning
249	Sumit Singh Dhanda, Brahmjit Singh and Poonam Jindal	Demystifying Elliptic Curve Cryptography: curve selection, implementation and countermeasures to attacks.
402	ShradhaVerma, Anuradha Chug and Amit Prakash Singh	Exploring Capsule Networks for Disease Classification in Plants
440	Payal Mashru, Vijander Singh and KetanKotecha	Improved Route Selection Algorithm Based on TORA over Mobile Adhoc Network.
453	Rohit Pachlor, Deepti Shrimankar, Kapil Kumar Nagwanshi and Manish Paliwal	Cluster-Head Rotation Approaches in Sensor Networks: A Review
454	Ravi Sharma and Shiva Prakash	Enhancement of Relay Nodes Communication Approach in WSN-IoT for Underground Coal Mine
469	AnkurGoyal, Vivek Kumar Sharma, Sandeep Kumar and Kailash Kumar	MODIFIED LOCAL LINK FAILURE RECOVERY MULTICAST ROUTING PROTOCOL FOR MANET
486	Vinita Agrawal and Shikha Panwar	IMPACT OF SMARTPHONE USAGE ON EMPLOYEE ENGAGEMENT AND EMPLOYEE PERFORMANCE IN INDIAN CORPORATE SECTOR