

# **2014 IEEE International Conference on Computational Intelligence and Computing Research**

**(ICCIC 2014)**

**Coimbatore, India  
18-20 December 2014**

**Pages 1-704**



**IEEE Catalog Number: CFP1420J-POD  
ISBN: 978-1-4799-3976-3**

# Index

S.No.	Paper Title and Authors Name	Page No.
1	<b>Automatic Generation Control of Three Area Hydro-Thermal Power Systems with Electric and Mechanical Governor</b> Jagatheesan K, Dr.B.Anand	1
2	<b>A New Distributed Intelligent Clustering Protocol (ICP) in Wireless Sensor Networks</b> Melaku Tamene, Kuda Nageswara Rao	7
3	<b>An Effective Technique of Ranking for Mobile Robots</b> Jagannath Sahu,Choudhury B.B,Patra M.R.	13
4	<b>Identification and Classification of Fungal disease Affected on Agriculture/Horticulture Crops using Image Processing Techniques</b> Jagadeesh D, Pujari,Rajesh Yakkundimath,Abdulmunaf S.Byadgi	18
5	<b>Comparative Analysis of Digital Image Stabilization by Using Empirical Mode Decomposition Methods</b> Neha Kottawar,Tuptewar D.J	22
6	<b>Generalized Theory for Hybridization of Evolutionary Algorithms</b> Sarvesh S. Chakradeo, Aishwarya S. Hendre, Shantanu U. Deshpande	27
7	<b>Optimal Orthogonal Pilots Design for MIMO-OFDM Channel Estimation</b> Sagar K, Palanisamy P.	32
8	<b>An Efficient Routing Scheme for MANETs</b> Rakesh Kumar, Dr.Piush Verma, Dr.Yaduvir Singh	36
9	<b>Rectangular Patch Antenna Array Design at 13GHz frequency Using HFSS</b> Vasujadevi Midasala, Dr. P. Siddaiah, Nagakishore Bhavanam S.	43
10	<b>Performance Evaluation of Task scheduling with priority and non-priority in cloud computing</b> Nidhi Bansal, Dr. Maitreyee Dutta	47
11	<b>A Vary Approach to Face Recognition Veritable Mechanisms for Android Mobile against Spoofing</b> Dr.N.Krishnan, Ravibabu V.	51
12	<b>Design of Embedded system for tracking and locating the patient suffering from Alzheimer's disease</b> Bhagya Shree S.R, Dr. H.S. Sheshadri, Shivakumar R, VinayKumar H.S	55
13	<b>Analytical Approach towards Packet Drop Attacks in Mobile Ad-hoc Networks</b> Vishvas Kshirsagar, Ashok M. Kanthe, Dina Simunic	60
14	<b>Modeling &amp; Analysis of Cost effective High availability Security Architecture for Whole of Government Systems to cater DDoS attack</b> Pranita Upadhyaya, Tuan Anh Nguyen, Manish Pokharel, Subarna Shakya, Jong Sou Park	64
15	<b>Modified Approach for Recognition of 3-D Faces with Missing Parts</b> Asmita A. Pawar, Nitin N. Patil	72
16	<b>An Analytical Approach for Detection of Gray Hole Attack in Mobile Ad-hoc Network (MANET)</b> Parineet D. Shukla, Ashok M. Kanthe, Dina Simunic	78
17	<b>Binary Classification of Cancer Microarray Gene Expression Data Using Extreme Learning Machines</b> Arunkumar C, Dr.S.Ramakrishnan	83
18	<b>Augmenting the Novice-Expert Overlay Model in an Intelligent Tutoring System: Using Confidence-Weighted Linear Classifiers</b> Tenzin Doleck, Ram B. Basnet, Eric Poitras, Susanne Lajoie	87

19	<b>An initial investigation in the diagnosis of Alzheimer's disease using various classification techniques</b> Bhagya Shree S.R, Dr. H.S. Sheshadri	91
20	<b>Integration of Robotic Arm with Vision System</b> MademRavitej Reddy, Nagaraja S.R.	96
21	<b>Optical Persona Realization of Tantrum Text Sensing, Excavation and Recognition</b> Pradeepa K, Sivitha M.	101
22	<b>Hybrid approach to Enhancing Fingerprint Images using filters in the frequency domain</b> Shoba Dyre, Sumathi C.P.	105
23	<b>Simplified Approach on Feed Forward Vector Control of Induction Motor with PI Controller Using SPWM Technique</b> Gobinath D, Vairaperumal K, Elamcheren S.	111
24	<b>Efficient Motion Blur Parameters Estimation under Noisy Conditions</b> Mishra S, Sengar R.S, Puri R.K, Badodkar D.N	115
25	<b>Performance Analysis and Optimization of a Multilevel Power Flow Controller Using Ann</b> Radhakrishnan G, Dr. V. Gopalakrishnan, Anitha Kumar P.S, Manoj Kumar M.	120
26	<b>CPLM: Cloud Facilitated Privacy Shielding Leakage Resilient Mobile Health Monitoring</b> Jasmine Anita R, Narayana Rao A.	125
27	<b>Luminous Trends in Ant-Based Algorithms</b> Bolla Karthikeya	130
28	<b>Classification of Respiratory Pathology in Pulmonary Acoustic Signals Using Parametric Features and Artificial Neural Network</b> Rajkumar Palaniappan, Kenneth Sundaraj, Sebastian Sundaraj, Huliraj N, Revadi S.S, Archana B	134
29	<b>Stability Improvement and Power Flow Control of a Grid Connected Offshore Wind Farm System Using IPFC</b> Anitha kumar P.S, Radhakrishnan G, Dr. V. Gopalakrishnan	140
30	<b>MIMO-OFDM Channel Estimation using Distributed Compressed Sensing</b> Lohini Priyanka B, Rajeswari K, Thiruvengadam S.J	144
31	<b>Forecasting of Cyclone Using Multi-temporal Change Detected Satellite Images</b> Beulah David B, Dr.DoraiRangaswamy	148
32	<b>Logic-based approach for improving Arabic question answering</b> Wided BAKARI, Omar TRIGUI, Mahmoud NEJI	154
33	<b>Agent based simulation of routine activity with social learning behavior</b> Amrutha S.	160
34	<b>Implementation of Region based medical image compression for Telemedicine application</b> Eben Sophia P, Anitha J.	166
35	<b>A Modular Approach towards Image Spam Filtering using Multiple Classifiers</b> Meghali Das, Alexy Bhomick, Jayanta Singh Y, Vijay Prasad	170
36	<b>A New Biometric using Sclera Vein Recognition for Human Identification</b> Suganya A, Sivitha M.	178
37	<b>Dynamic Group Key Authentication Mechanism For Data Sharing In Network</b> Suganya A, Sivitha M.	182
38	<b>PKI-SC: Public Key Infrastructure using Symmetric Key Cryptography for Authentication in VANETs</b> Sumegha C. Sakhreliya, Neha H. Pandya	186

39	<b>Lifetime Maximization of Wireless Sensor Networks Using Energy-Efficient Cluster Formation Strategy</b> Praveen M.K, Senthil T.	192
40	<b>Design of Motor Speed Control Using LabVIEW for Air-Flow Control in Wind Tunnels</b> Boga Vishnu kanth B, Sai Pavankumar G, Arunkumar S, Venkatesan M.	197
41	<b>Automatic Object Detection in Car-Driving Sequence using Neural Network and Optical Flow Analysis</b> Ajin Joy Jayanthi V.S, Baskar D.	201
42	<b>Detection of Cooperative Black Hole Attack using Crosschecking with TrueLink in MANET</b> Gayatri Wahane, Ashok M. Kanthe, Dina Simunic	205
43	<b>Development of Intelligent Battery Monitoring System for Solar powered Lighting Applications</b> Lenord Melvix J.S.M, Sundararamabalasubramanian K, Ganesh Madhan M.	211
44	<b>New Power Gated SRAM Cell in 90nm CMOS Technology with Low Leakage Current and High Data Stability for Sleep Mode</b> Naresh Meena, Amit M Joshi	216
45	<b>Multi-Layer Perceptron (MLP) Neural Network Technique for Offline Handwritten Gurmukhi Character Recognition</b> Gurpreet Singh, Manoj Sachan	221
46	<b>Scalable parallel clustering approach for large data using genetic possibilistic fuzzy c-means algorithm</b> Juby Mathew, Dr.R Vijayakumar	226
47	<b>Single Image Fog Removal using COIN Filters</b> Ramesh Kanthan M, Dr.S.NagaNandini Sujatha	233
48	<b>Comparative Analysis of Open Source Content Management Systems</b> Aakanksha Mirdha, Apurva Jain, Kunal Shah	239
49	<b>Risk Intelligence Retrieval Based on ONTOLOGY</b> Sarala R, Zayaraz G, Vijayalakshmi V, Priyanka E.	243
50	<b>Modeling Causally Dependent Events Using Fuzzy Cognitive Maps</b> Sarala R, Zayaraz G, Vijayalakshmi V, Sivaranjani R.	247
51	<b>Successive Stage Multi-Round Scheduling for Cube Based Multi-Processor Systems</b> Moin Hasan, Major Singh Goraya	251
52	<b>Robust Edge Detector using Back Propagation Neural Network with Multi-Thresholding</b> Hartaranjit Singh, Gurpreet Kaur, Nancy Gupta	255
53	<b>An application approach of “Cluster - Classification” in cancer scan images and gene expressions</b> Thomas Scaria Lt, Gifty Stephen, Dr.T Christopher	261
54	<b>Steganography over Video File by Hiding Video in another Video File, Random Byte Hiding and LSB Technique</b> Rachna Patel, Mukesh Patel	265
55	<b>Real-Time Implementation of Steganography in Medical Images using Integer Wavelet Transform</b> Shubham Lavania, Palash Sushil Matey, Thanikaiselvan V.	270
56	<b>Leaf Recognition using Contour based Edge Detection and SIFT Algorithm</b> Shubham Lavania, Palash Sushil Matey	275
57	<b>Comparison of Classification Techniques for predicting the Cognitive Skill of Students in Education Environment</b> Mayilvaganan M, Kalpanadevi D.	279

58	<b>Designing a Human Computer Interface System based on Cognitive Model</b> Mayilvaganan M, Kalpanadevi D.	283
59	<b>Risk factor analysis of Patient based on Adaptive Neuro Fuzzy Interface System</b> Rajeswari K, Mayilvaganan M.	287
60	<b>Analysis of Nucleotide Sequence with Normal and Affected Cancer Liver Cells Using Hidden Markov Model</b> Mayilvaganan M, Rajamani R.	292
61	<b>Image Denoising using Wavelet Transform and Wiener Filter based on Log Energy Distribution over Poisson-Gaussian Noise Model</b> Ajay Kumar Boyat, Brijendra Kumar Joshi	296
62	<b>Model Checking the Component-based Protocol Specification for Proving the Design Correctness</b> Prabhu Shankar Kaliappan, Hartmut Koenig	302
63	<b>Optimized Block Assignment for Disaster Inspection Problem using Bat Metaheuristics</b> Saranya M.P, Dr. T. Amudha	310
64	<b>Adaptive Hierarchical Control for a Class of MIMO Uncertain Underactuated Systems</b> Kulkarni A, Kumar A.	314
65	<b>The Idea of Spacetime in Conceptual Knowledge</b> Gowri Shankar Ramaswamy, Sagayaraj Francis F.	322
66	<b>Automated Temperature Control in Batch Reactor using LabVIEW</b> Avinash Beerelli, Paluru Chandra dheeraj, Arunkumar S, Venkatesan M.	326
67	<b>Distortion less Reversible Data Hiding based on Dual Repeat Accumulate Coding Technique</b> Vanmathi C, Dr. S. Prabu	331
68	<b>Effect of Normalization Techniques in VIKOR Method for Network Selection in Heterogeneous Networks</b> Silki Baghla, Savina Bansal	335
69	<b>Applying SOA to an E-commerce System and Designing a Logical Security Framework for Small and Medium Sized E-commerce based on SOA</b> Ashish Kr. Luhach, Dr. Sanjay Kr. Dwivedi, Dr. Chandra. Kr. Jha	341
70	<b>Performance analysis of voice traffic over WiMAX using Qualnet Simulator</b> Devendra Bhavsar, Sharma J.P.	347
71	<b>Energy Efficient Multihop Selection with PEGASIS Routing Protocol for Wireless Sensor Networks</b> Karthikeyan A, Jagadeep V, Rakesh A.	353
72	<b>Use of ICT in Engineering Education: a Survey Report</b> Lakshmi Dhandabani, Rajeev Sukumaran	358
73	<b>Capacity Quantification of Virtual Machines in Cloud</b> Arokia Paul Rajan R, Sagayaraj Francis F.	363
74	<b>Removal of Fixed Valued Impulse Noise by Improved Trimmed Mean Median Filter</b> Shachi Sharma, Pranay Yadav	367
75	<b>Impact of code rate and improvisation of the reconstructed image for CODEC</b> Viraktamath S.V, Satish Rachayya Hiremath, Attimarad G.V,	375
76	<b>Impact of code rate on the Performance of Viterbi decoder in AWGN Channel</b> Preeya H. Patil, Viraktamath S.V, Attimarad G.V.	379
77	<b>LabVIEW based Online Phase Fraction Determination Using Dielectric Sensing</b> Adhavan J, Arunaganesan S, Ramachandran G, Venkatesan M.	383
78	<b>Active Resource Provision in Cloud Computing Through Virtualization</b> DEEPIKA.Tenepalli, NARAYANA RAO Appini	387

79	<b>An Automated Detection and Segmentation of Tumor in Brain MRI using Artificial Intelligence</b> Bhanumurthy M.Y, Koteswararao Anne	391
80	<b>An Optimal Replica Relocation Scheme for Improving Service Availability in Mobile Ad Hoc Networks</b> Muralidhar K, Prathibha Bharathi N.	397
81	<b>An Enhanced Feature Selection Method Comprising Rough Set and Clustering Techniques</b> Murugan A, Sridevi T.	401
82	<b>Adaptive Control of the Wang-Sun Four-Scroll Chaotic System with Unknown Parameters</b> Dr. Sundarapandian Vaidyanathan	405
83	<b>Adaptive Synchronization of Two-Scroll Novel Chaotic Systems with a Quartic Nonlinearity</b> Dr. Sundarapandian Vaidyanathan, Dr. Kavitha Madhavan	408
84	<b>Adaptive Controller Design for the Generalized Projective Synchronization of Yu Four-Wing Systems</b> Dr. Sarasu Pakiriswamy, Dr. Sundarapandian Vaidyanathan	412
85	<b>A Novel Sliding Controller Design for the Anti-Synchronization of Identical Four-Scroll Novel Chaotic Systems</b> Dr. Sundarapandian Vaidyanathan, Sivaperumal Sampath	416
86	<b>M-QAM Bit Error Rate analysis of Multipath Channels in LTE System</b> Patteti Krishna, Tipparti Anil Kumar, Kalithkar Kishan Rao	420
87	<b>Low Complexity Hardware Implementation of Quantization and CAVLC for H.264 Encoder</b> Amit Mahesh Joshi, Dr. Vivekanand Mishra, Dr. R.M.Patrikar	424
88	<b>An Affine Projection Algorithm with Decomposition for Improved Performance</b> Radhika S, Sivabalan Arumugam	429
89	<b>Edge Detection based Salient Region Detection for Accurate Image Forgery Detection</b> Anitha K, Leveenbose P.	435
90	<b>Unique Authentic Approach for Control List Based Global Sharing</b> Vidhya P, Raghavendra A.P.V.	439
91	<b>Deterministic Optimization Technique proposed for Optimal Reservoir Release of Thirumurthi and Amaravathi reservoirs</b> Sakthi Asvini M, Dr. T. Amudha	443
92	<b>A Novel Dual Euclidean Algorithm for Secure Data Transmission in Smart Grid System</b> Vijayanand R, Devaraj D, Kannapiran B.	447
93	<b>A Data Mining based Survey on Student Performance Evaluation System</b> Anuradha C, Velmurugan T.	452
94	<b>Automated verification of spacecraft telemetry data</b> Savitha A, Prasanna Kumar N, Ravindra M, Rajiv. R. Chetwani, Baradwaj K.M.	456
95	<b>An approach to Merging of two community subgraphs to form a community graph using Graph Mining Techniques</b> Bapuji Rao, Anirban Mitra	460
96	<b>Lattice Based Secure Data Transmission in MANETs</b> Fernaz Jasdanwala, Nitul Dutta, Dhruba Kr Bhattacharyya	467
97	<b>Study and Theoretical Investigations on PCOS</b> Sheela S, Sumathi M.	472
98	<b>Towards OpenFlow Based Software Defined Networks</b> Pallavi Chhikara, Gurpreet Singh Matharu, Vikas Deep	477

99	<b>Analysis of AQM Router of Network Supporting Multiple TCP Flows</b> Prasant Kumar Dash, Sukant Kishoro Bisoy	483
100	<b>Impact of Multiple TCP Connections in Mobile Adhoc Network Considering Different Network Sizes</b> Samita Rout, Mohit Ranjan Panda, Sukant Kishoro Bisoy, Debapriya Panda	488
101	<b>Design of Damping Controller for Multimachine Power System by using Simplified Swarm Optimization</b> Baibhav Bishal, Bhanu Pratap Soni, Akash Saxena, Vikas Gupta	493
102	<b>Chaotic Time Series Analysis with Neural Networks to forecast Cash Demand in ATMs</b> Venkatesh Kamini, Vadlamani Ravi	499
103	<b>A Novel Methodology for Windows 7 x64 Memory Forensics</b> Suma G. S, Dija S, Thomas K. L.	504
104	<b>Auto-Associative Extreme Learning Factory as a Single Class Classifier</b> Vadlamani ravi, Puneet Singh	510
105	<b>Isolating Critical Data Points from Boundary Region with Feature Selection</b> Anitha A, Kannan E.	516
106	<b>An Efficient Cluster Management Mechanism for MANETs</b> Nitul Dutta, Krishna Dalasaniya	520
107	<b>A Cross Layered Approach to Improve Energy Efficiency of Underwater Wireless Sensor Network</b> Jekishan K. Parmar, Mrudang Mehta	526
108	<b>Long Term Evolution Protocol for Grid Control Center to Aggregator Communication in V2G for Smart Grid Application</b> Udaykumar R. Y, Santoshkumar	536
109	<b>An Analysis of Optimized Binding Lifetime for Mobility Management in Layered IPv6</b> Hemali Vithalani, Nitul Dutta	540
110	<b>A Novel Approach to Handle TCP Connections for LAN in Mobile Vehicle</b> Upasana Trivedi, Nitul Dutta	545
111	<b>A Survey on Online Forum Hotspot Detection</b> Faran Kazi, Shraddha Joshi, Sahista Machchhar	550
112	<b>Mining Interesting ITEMSETS From Transactional Database</b> Sumangali K, Aishwarya R, Hemavathi E, Niraimathi A.	554
113	<b>Evaluation of the Descriptive type answers using Hyperspace Analog to Language and Self-organizing Map</b> Meena K, Lawrance Raj	558
114	<b>A Survey Of Software Reliability Growth Models Using Non-Parametric Methods</b> Sasikumaran Sreedharan, Saley M. K.	563
115	<b>Survey of Prediction Algorithms for Object Tracking in Wireless Sensor Networks</b> Phiros Mansur, Sasikumaran Sreedharan	568
116	<b>Big Data Analysis Using Hadoop Cluster</b> Ankita Saldhi, Abhinav Goel, Dipesh Yadav, Ankur Saldhi, Dhruv Saxena, Indu S.	572
117	<b>Monaural Speech Separation System Based On Optimum Soft Mask</b> Harishkumar N, Rajavel R.	576
118	<b>An Enhanced K-Means Genetic Algorithms for Optimal Clustering</b> Anusha M, Sathiaseelan J.C.R.	580
119	<b>Quantitative Approach of Speckle Noise Reduction on Synthetic Aperture Radar Images</b> Dr. S.Kalaivani, Vijaya Geetha R.	585
120	<b>Multilingual Number Image Interpreter</b> Vinod Upadhye, Urmila Shrawankar	589

121	<b>Mathematical modelling of a DSP based buck -boost converter used in PV system</b> Subramanya Bhat, Nagaraja H. N.	595
122	<b>Review on Natural Language Processing Tasks for Text Documents</b> Rahul S. Dudhabaware, Mangala S. Madankar	599
123	<b>A Novel Approach for the Detection of OMR Sheet Tampering Using Encrypted QR Code</b> Sumit Tiwari, Sandeep Sahu	604
124	<b>An Efficient Implementation of 2-D Discrete Wavelet Transform for high speed DSP applications</b> Aditya Mandloi, Ajay Boyat	609
125	<b>A Review of Data Security and Privacy Issues over SaaS</b> Pradeep Kumar Tiwari, Sandeep Joshi	614
126	<b>Analogy of Autonomic Computing An AIS (Artificial Immune Systems) Overview</b> Bhawani Sankar Biswal, Anjali Mohapatra	620
127	<b>Spectrum Sensing in Presence of Rician Fading and AWGN Channel Conditions using DWPT Approach</b> Purva Kochatta, Vinit Gupta	624
128	<b>Dynamic IPv6 Activation based Defense for IPv6 Router Advertisement Flooding (DoS) Attack</b> Jai Narayan Goel, BM Mehtre	628
129	<b>Multi Agent Reinforcement Learning based Distributed Optimization of Solar Microgrid</b> Leo R, Milton R.S, Kaviya A.	633
130	<b>Contrast-Enhanced Microscopic Imaging of Malaria Parasites</b> Somasekar J, Eswara Reddy B.	640
131	<b>Support Vector Machine using Efficient Instant Selection for Micro Array Data Sets</b> Ramesh B, Sathiaseelan J.C.R.	644
132	<b>Power Analysis Attack on 8051 Microcontrollers</b> Saravanan P, Nithya Rajadurai, Kalpana P.	648
133	<b>Random Forest and Change Point Detection for Root Cause Localization in large scale systems</b> Dhan V Sagar, Dr. Bagavathi Sivakumar P, Vijay Anand R.	652
134	<b>Issues in Data mining: A comprehensive survey</b> Archana Purwar, Sandeep Kumar Singh	657
135	<b>Image Retrieval Using Latent Feature Learning By Deep Architecture</b> Nishu Garg, Nikhitha P, Tripathy B.K.	663
136	<b>Application of Solid State Fault Current Limiter on Express Feeder for Voltage Sag Mitigation</b> Sharma J.P, Vibhor Chauhan	667
137	<b>Classifier rules in data mining – A Survey</b> Sumathi C.P, Suganya P.	671
138	<b>Volatile Internet Evidence Extraction from Windows Systems</b> Neethu Joseph, Sherina Sunny, Dija S, Thomas K. L.	674
139	<b>Comparative Analysis of Basis &amp; Measurement Matrices for Non-Speech Audio Signal using Compressive Sensing</b> Bhupendra Singh Bhadoria, Urvashi Shukla, Amit Mahesh Joshi	679
140	<b>CIEVS: A Cloud-based Framework to Modernize the Indian Election Voting System</b> Gurpreet Singh Matharu, Anju Mishra, Pallavi Chhikara	684
141	<b>High Level Performance in Multiple Relay Networks</b> Eswaramurthy V, Raghavendra A.P.V.	690



142	<b>GPS Based Road Traffic Congestion Reporting System</b> Rajesh Dhakad, Manish Jain	694
143	<b>Efficient Analysis of Pharmaceutical Compound Structure Based on Pattern Matching Algorithm in Data mining Techniques</b> Palanisamy V, Kumarkombaiya A.	700
144	<b>A Comparative Study on Low Power Adders using Microwind EDA Tool</b> Phaniram Sayapaneni, Elamaran V.	705
145	<b>An Integrated Approach for Improving the Performance of Semantic Service Discovery</b> Chellammal Surianarayanan	710
146	<b>3G Intra Circle Roaming Implementation Techniques</b> Adityan R, Phaniram Sayapaneni, Elamaran V, Ritesh A Agarwal	714
147	<b>An Energy Efficient Routing Technique to Improve the Performance of Wireless Sensor Network through Adaptive Tree Based Sink Relocation</b> Sivakumar S, Diwakaran S.	721
148	<b>Segmentation of Myelinated White Matter in Pediatric Brain Magnetic Resonance Images</b> Chelli N. Devi, Sundararaman V.K, Anupama Chandrasekharan, Zachariah C. Alex	726
149	<b>Android Based Fluid Dispensing and Blending System Automation</b> Satya shankaraiah G, Siva yellampalli	730
150	<b>Enhancing The Network Lifetime Of Cooperative Wireless Sensor Networks Using Energy Harvesting Technique</b> Dr.T.Aruna, Prathibha V.	735
151	<b>Hybrid algorithm for Alphanumeric Character Recognition for Vehicles using LabVIEW</b> Paramvir Singh, Rashpinder Kaur	739
152	<b>An Approach to discover the best - fit factors for the optimal performance of Hadoop Map Reduce in virtualized environment</b> Solaimurugan Vellaipandiyam, Srikrishnan V.	745
153	<b>Efficient Fuzzy Color and Texture Feature Extraction Technique for Content Based Image Retrieval System</b> Jayanthi K, Dr.M.Karthikeyan	750
154	<b>A Study of Four Stage Encryption :Experimental Results</b> Sangapu Venkata Appaji, Dr. Gomatam V S Acharyulu	755
155	<b>Otsu's method for clip limiting histograms for contrast enhancement of digital mammograms</b> Sheeba Jenifer, Parasuraman S, Amudha Kadirvelu	761
156	<b>NLP based Intelligent News Search Engine using Information Extraction from e-Newspapers</b> Monisha Kanakaraj, Sowmya Kamath S.	765
157	<b>A Technological Approach to Recognize Human Hidden Psychology</b> Mukesh Patel, Rachna Patel	770
158	<b>A Refined Rough Fuzzy Clustering Algorithm</b> Sahil Sobti, Vivek Shah, Tripathy B.K.	776
159	<b>Distributed Noun Attribute Based on its First Appearance for Text Document Clustering</b> Vijayalakshmi S, Dr. D. Manimegalai	780
160	<b>Improved Consistency Model in Cloud Computing Databases</b> Jeevarani B, Dr.K.Chitra	785
161	<b>Music Perception and Cochlear Implants- A Review of major breakthroughs</b> Mary Thomas, Shikha Tripathi	788

162	<b>Wireless Detection of Cooked Food Decay</b> Praveen.P.Jose, Ragul V, Lokesh Babu P, Johnpaaul PJ.	796
163	<b>Optimal Generation Scheduling of Thermal Units With Considering Startup And Shutdown Ramp Limits</b> Selvakumar K, Santhoshkumar G, Sakthivel C.	801
164	<b>State Estimation of A Nonlinear System Using Particle Filter</b> Anandhakumar K, Syed Meer Kulam Ali I, Selvakumar K, Raja K.	805
165	<b>Improvisation of Differential Evolution for Community Detection</b> Anuranjan Kumar, Vaibhav Gupta, Gaurav Kumar Singh, Harish Kumar Shakya Bhaskar Biswas,	809
166	<b>Demand Side Energy Management System Using ANN Based Linear Programming Approach</b> Loganathan N, Dr.K.Lakshmi	813
167	<b>Comparison of LPCC and MFCC features and GMM and GMM-UBM modeling for Limited Data Speaker Verification</b> Jayanthi kumari T.R, Jayanna H.S.	818
168	<b>Modelling and simulation of z source inverter based grid connected PV system</b> Palanisamy R, Mutawakkil A.U, Selvakumar K, Karthikeyan D.	824
169	<b>POLVM: Parallel Optimized Live VM Migration</b> Jayasree P, Meenakshi sharma	828
170	<b>Power Quality Disturbance Detection and Islanding in Micro Grid Connected Distributed Generation</b> Priyadharshini K.M, Srinivasan S, Srinivasan C.	836
171	<b>Smart Phone Accelerometer Sensor Based Wireless Robot for Physically Disabled People</b> Balaji L, Nishanthini G, Dhanalakshmi A.	842
172	<b>Tracking Multiple Moving Object based on combined Color and Centroid feature in Video Sequence</b> Sunitha M R, Jayanna H.S, Ramegowda	846
173	<b>Raspberry Pi based Advanced Scheduled Home Automation System through E-mail</b> Narender M, Vijayalakshmi M.	851
174	<b>Implementation of Efficient Automatic Traffic Surveillance using Digital Image Processing</b> Saravanan S.	855
175	<b>Modified Booth Multiprecision Multiplier with Scalable Voltage and Frequency Units</b> Gowridevi B, Gangadevi B, Geethamani A.V, Pavithra T, Ravi Kumar S.	859
176	<b>EEG Features Extraction Using PCA plus LDA Approach Based on L1-Norm for Motor Imaginary Classification</b> Surendra Gupta, Hema Saini	864
177	<b>A Low-Cost Underwater Navigation System for Remotely Operated Underwater Vehicle - Design, System-Integration, and Implementation</b> William Budiman, Madhavan Shanmugavel, Veera Ragavan, Samuel Borthwick Lazarus	869
178	<b>Analysis of State Estimation for Power System using Weighted Least Square Method</b> Jinendra Rahul, Pankaj Tripathi, Nim Anurag Radhamohan	873
179	<b>Image Segmentation using Spatial Intuitionistic Fuzzy C Means Clustering</b> Tripathy B.K, Avik Basu, Sahil Govel	878
180	<b>Design of Cascode Topology based CMOS Power Amplifier for Wireless Applications</b> Dr.G.Indumathi, Keerthana S.	883
181	<b>Computer Aided Simulation for Workspace plot of a Newly Designed Inspection Robot</b> Shanmugasundar G, Sivaramakrishnan R, Rajmohan M.	887
182	<b>Efficient energy scheme for wireless sensor network application</b> Vishnu Balan E, Priyan M.K, Gokul nath C, Usha devi G.	893
183	<b>Covering Based Rough Clustering of Sequential Data</b> Kinjal Dhaduk, Pooja Kamle, Venkatesan M, Prabhavathy P.	898

184	<b>Power Quality Improvement at Input and Output Stages of Three Phase Diode Rectifier using Artificial Intelligent Techniques for DC and AC Drive Applications</b> Dr. G. T. Sundar Rajan	904
185	<b>Data Mining for Meteorological Applications: Decision Trees for Modeling Rainfall Prediction</b> Dr. G.M.Nasira, Geetha A.	910
186	<b>Performance analysis of MIMO – OFDM downlink with soft and hard decision decoding for ½ and ¼ rate convolution encoder</b> Shaik Sardar, Mahesh N.V, Pavan kumar K.	914
187	<b>Ultra Area Efficient Reversible Quantum Radix-2 Booth's Recoding Multiplier for Low Power Applications</b> Kaveri Talawar, Poonam Hosamani	919
188	<b>A Reliable Speaker Verification System Based on LPCC and DTW</b> Rekha Nair, Nirmala Salam	923
189	<b>Fading Aware MAC (FAMAC) Protocol For Mobile Adhoc Network</b> Seth D.D, Pal S, Srikanth Patnaik	927
190	<b>Energy Aware Load Balancing for Computational Cloud</b> Paulin Florence A, Dr. V. Shanthi	933
191	<b>CMDSSI: A decision support system for cloud migration for SMEs in India</b> Berlin Mano Robert Wilson, Babak Khazaei, Laurence Hirsch, Thamarai Kannan S.	936
192	<b>Review on Image Restoration Using Group-based Sparse Representation</b> Roshan R. Bhawre, Yashwant S. Ingle	942
193	<b>A Novel Framework for JPEG Image Compression Using Baseline Coding with Parallel Process</b> Balaka Ramesh Naidu, Prasad Babu M.S.	946
194	<b>Enhancement of Sputum Cytology Images through Recursive Mean Separate Histogram Equalization and SVM Classification</b> Shajy L, Smitha P, Marichami P.	953
195	<b>Quality Enhancement Technique for Gray Level Immunohistochemistry Images</b> Shajy L, Smitha P, Marichami P.	958
196	<b>Analysis of Nonlinear and Non-Stationary Signal to Extract the Features Using Hilbert Huang Transform</b> Paithane A.N, Dr.D.S.Bormane	962
197	<b>A Literature Review of Feature Selection Techniques and Applications Review of feature selection in data mining</b> Visalakshi S, Radha V.	966
198	<b>A Pristine Digital Video Watermarking in H.264 Compressed Domain</b> Swaraja K, Madhaveelatha Y, Reddy V.S.K.	972
199	<b>Intrusion Detection for MANET to Detect Unknown Attacks Using Genetic Algorithm</b> Lalli M, Palanisamy V.	976
200	<b>Possibilistic Rough Fuzzy C-Means Algorithm in Data Clustering and Image Segmentation</b> Tripathy B.K, Anurag Tripathy, Kosireddy Govinda Rajulu	981
201	<b>New Features Using Fuzzy C-Means Alogorithm For Automatic Language Recognition</b> Sadanandam M, Kamakshi Prasad V, Ramana N, Jagadeshwara Rao E.	987
202	<b>A Survey on Web User Personalization Techniques</b> Dr. J.Komala Lakshmi	992
203	<b>A Neural Network Based Handwritten Meitei Mayek Alphabet Optical Character Recognition System</b> Romesh Laishram, Pheiroijam Bebison Singh, Thokchom Suka Deba Singh, Sapam Anilkumar, Angom Umakanta Singh	997

204	<b>Adaptive Video Streaming in Mobile Cloud Computing</b> Tamizhselvi S.P, Vijayalakshmi Muthuswamy	1002
205	<b>A Recursive Crawler Algorithm to Detect Crash in Android Application</b> Anbunathan R, AnirbanBasu	1006
206	<b>Rotation Direction Control by Finger Movement</b> Mehak Beri	1010
207	<b>Solving Web-Choreographic Problem Using Cooperative and Fussion Based Intelligence System</b> Bramha M, Mitra A, Mondal J.	1014
208	<b>Matrix Converter Based Solar Photo Voltaic System for Reactive Power Compensation using Sinusoidal Pulse Width Modulation</b> Muneesh Raja K, Vijayakumar K, Kannan S.	1020
209	<b>Congestion Management of Deregulated Electricity Market Using Locational Marginal Pricing</b> Mohanapriya T, Manikandan T.R.	1025
210	<b>GUI Controlled BOT using Image Processing</b> Deepika Bajaj, Shanu Sharma	1029
211	<b>SCPG: A New Technique to reduce Leakage Power in 16-bit binary multiplier</b> Sudha D, Santhi Rani Ch.	1033
212	<b>Contextual Iso-Triangular Array P System and Hexagonal Picture Languages</b> Bhuvanewari K, Kalyani T, Thomas D.G.	1040
213	<b>Evolution of DVB-S2 from DVB-S For the Efficient Real Time Implementation</b> Sneha Pandya, Charmy Patel	1045
214	<b>Classification of High Resolution Pixels into Non-Heterogeneous groups Using Rule Based Fuzzy Approach</b> Shrinivas Khandare, Urmila Shrawankar	1049
215	<b>A 60GHz Inductance Degenerated Low Noise Amplifier</b> Rashmi S.B, Dr. Siva S Yellampalli	1055
216	<b>Differential Evolution Approach for Localization in Wireless Sensor Networks</b> Harikrishnan R.	1058
217	<b>Universal Approximation of Nonlinear System Predictions in Sigmoid Activation Functions Using Artificial Neural Networks</b> Jawahar Senthil Kumar V, Sridevi Ponmalar P.	1062
218	<b>Optimization Model for Effective Power Distribution</b> Murugadoss R, Dr. M. Ramakrishnan	1068
219	<b>An Analysis on the Applications of Markov Random Fields in Error Correcting Codes of Nano Memory Cells</b> Maheswari, Santhoshkumar R, Vijayalakshmi C.	1072
220	<b>Recital Analysis of Localization Algorithm in Wireless Sensor Networks</b> Dr.G. Padma	1076
221	<b>Review on Fault Diagnosis Model in Automobile</b> Mary Livinsa Z.	1080
222	<b>Enhanced Security and Authentication Mechanism in Cloud Transactions Using HMAC</b> Tinal R. Thombare, Lalit Dole	1084
223	<b>Review on Keyword Searching Techniques in Uncertain Graph Data</b> Dr. S. Justin Samuel, Judy Jenitha S.	1088
224	<b>Review on Extraction Techniques for Images, Textlines and Keywords from Document Image</b> Sneha L. Bagadkar, Dr. L. G. Malik	1091
225	<b>Approach towards V M Management for Green Computing</b> Pankaj R. Hatwar, Urmila Shrawankar	1094

226	<b>Survey on Vehicle Collision Prediction in VANET</b> Swati B. Raut, Dr L.G.Malik	1098
227	<b>Performance Analysis of MRC Receiver with Channel Estimation error and Co-Channel Interference in Nakagami-<math>m</math> Fading Channel</b> Aruna G.	1103
228	<b>Computer Vision &amp; Fuzzy Logic based Offline Signature Verification and Forgery Detection</b> Gautam. S. Prakash, Shanu Sharma	1107
229	<b>Apple Fruit Detection and Counting Using Computer Vision Techniques</b> Anisha Syal, Divya Garg, Shanu Sharma	1113
230	<b>Segmentation of Image with DT-CWT and NLM Filtering Using Fuzzy C-Means Clustering</b> Tara Sai Kumar, Swapna Ch.	1119
231	<b>Super-Resolution for Iris Feature Extraction</b> Anand Deshpande, Prashant P. Patavardhan, Rao D.H.	1123
232	<b>Hardware-In-The-Loop Estimation of Kinetic Energy Loss in Urban Driving Cycles using Bond Graph based Unified Modeling Framework</b> Sampath Kumar Veera Ragavan, Madhavan Shanmugavel, Foo Yew Jin	1127
233	<b>An energy efficient framework for detection and monitoring of forest fire using mobile agent in wireless sensor networks</b> Kartik Trivedi, Ashish kumar Srivastava	1132
234	<b>A Novel Energy Management System In Sugar Industry at Co-generation Plant</b> Kiran M.V, Suresh A, Sudha Rani K.	1136
235	<b>Design PID Controller for TITO Process Based on Least square optimization tuning Method</b> Suresh Kumar CH, Kiran M.V, Suresh A.	1140
236	<b>Eye Controlled Electric Wheelchair</b> Bharat Thakur, Kush Kulshrestha	1144
237	<b>Fractional Order Realization of Conventional Integer Order Models</b> Arunn S.T, Hari Mukundan V.	1150
238	<b>A Survey on Attacks in Remote User Authentication Scheme</b> Trupil Limbasiya, Nishnat Doshi	1157
239	<b>An Efficient Retinal Art for Blind People</b> Anbuvenkatesh A, Pownkumar S, Abinaya R, Rajaram M, Dr.S.Sasipriya	1161
240	<b>Review on Enabling Document Annotation using Content and Querying Value</b> Poorvi Khare, Archana R. Raut	1165
241	<b>Numerical Investigation on Laminar Flow Through a Channel with Staggered Square Blocks</b> Sivasubramanian M, Madhukhiran R, Rajesh Kanna P.	1170
242	<b>Performance enhancement of Network Interface Module in High definition Receivers</b> Nanda kishora Holla, Dr. Siva Yellampalli.	1175
243	<b>An Approach To Maintain The Stroage of Contentious Image In The Form Of Descriptor</b> Nilesh Kawale, Shubhangi Patil	1181
244	<b>Low power and high speed Row and Column Bypass Multiplier</b> Benarji Srinivas K, Mohammed Aneesh Y.	1187
245	<b>A Review On Methods For Image Authentication And Visual Cryptography In Digital Image Watermarking</b> Chinmay Vyas, Munindra Lunagarria	1191
246	<b>Transmission Constrained Economic Load Dispatch using Biogeography Based Optimization</b> Jitendra Singh, Sunil Kumar Goyal	1197

247	<b>Zynq 7000 series FPGA based Efficient DTMF detection</b> Nagakishore Bhavanam S, Siddaiah P, Dr. P. Ramana Reddy	1202
248	<b>Swarm Intelligence based Secured Data Aggregation in Wireless Sensor Networks</b> Thangaraj M, Punitha Ponmalar P.	1209
249	<b>Performance Comparison of Medium Access Control Protocols for Mobile Ad-hoc Network in Fading Environment</b> Srabani Kanungo, Seth D.D.	1214
250	<b>A Power-aware Multiprocessor Based Laboratory Automation and Resource Management System</b> Anju S. Pillai, Isha T.B.	1219
251	<b>Data Mining Technique for Identification of Diagnostic Biomarker to Predict Schizophrenia Disorder</b> GeethaRamani R, Sivaselvi K.	1223
252	<b>Triple Frequency Circular Patch Antenna</b> Sekhar M, Nagakishore Bhavanam S, Dr. P. Siddaiah	1231
253	<b>A Survey on Breast Cancer Analysis Using Data Mining Techniques</b> Padmapriya B, Velmurugan T.	1234
254	<b>A Fully Automatic Segmentation Techniques in MRI Brain Tumor Segmentation Using Fuzzy Clustering Techniques</b> Muthu Kumar K.	1238
255	<b>An Evolution and Evaluation of Dimensionality Reduction Techniques- A Comparative Study</b> Joshi Snehal K, Sahista Machchhar	1244
256	<b>Minimizing Cache Related Preemption Delay in Preemptive Scheduler</b> Vidya Gupta, Urmila Shrawankar	1249
257	<b>Salt and Pepper Noise Reduction with a Novel Approach of Noise Models using Median Filter</b> Jezebel Priestley J, Anusuya T, Pratheepa R, Elamaran V.	1255
258	<b>Resolution Enhancement using DWT and SWT by Fusion Techniques with Watermarking</b> Kishore kumar K, Thadigotla Venkata Subbareddy, Elamaran V.	1259
259	<b>Trust based Secure Routing Protocol using Fuzzy Logic in Wireless Sensor Networks</b> Renubala S, Dhanalakshmi K.S.	1264
260	<b>Object Detection using Shape Features</b> Shalu Gupta, Jayanta Singh Y.	1269
261	<b>Profit Based Modified I-Prefixspan Algorithm</b> Dhyanesh K. Parmar, Mukesh M. Patel	1273
262	<b>Control of Double Inverted Pendulum (DIP) using Fuzzy Hybrid Adaptive Neuro Controller</b> Ashwani Kharola, Dr Pravin Patil	1277
263	<b>On-Board Vehicle-to-Grid (V2G) Integrator for Power Transaction in Smart Grid Environment</b> Nagarjuna Koduri, Santoshkumar, Udaykumar R Y	1284
264	<b>Leather Texture Classification using Wavelet Feature Extraction Technique</b> Malathy Jawahar, Chandra Babu N.K, Vani K	1288
265	<b>Understanding Botnet on Internet</b> Anchit Bijalwan, Emmanuel S. Pilli	1292
266	<b>A Skew Detection and Correction Technique for Arabic Script Text-line based on Subwords Bounding</b> Atallah M. AL-Shatnawi	1297
267	<b>Intelligent Control Technique for Autonomous Collective Robotics Systems</b> Assel Akzhalova, Anatoly Kornev, Dmitry Mukharsky	1302

268	<b>Electronic Transaction Authentication-A survey on Multimodal Biometrics</b> Shunmugam S, Dr. R.K. Selvakumar	1310
269	<b>Controlling a Robot Using Brain Waves</b> Sudarsanan K, Dr. S.Sasipriya	1314
270	<b>An approach to Implementation of Intelligent Data Acquisition Systems of Process Industries in Android Platforms</b> Immanuel Rajkumar R	1318
271	<b>Mechatronic Design of a High-Resolution, Portable, Compact 3D Dynamic Shape Display Device</b> Lim Eu Jin, Khoo Boon How, Madhavan Shanmugavel	1322
272	<b>Classification of Electromyography Signal using Wavelet Decomposition Method</b> Bhuvaneswari P, Satheesh Kumar J	1326
273	<b>Design of a Low Cost Parallel Pneumatic Regenerative Braking and Acceleration Assist for Light Motor Vehicles</b> Sampath Kumar Veera Ragavan, Madhavan Shanmugavel, Chee How Lim, Jin Zhen Lee	1330
274	<b>Data analytic engineering and its application in earthquake engineering</b> <b>An Overview</b> Daniel Weijie Loi, Mavinakere Eshwaraiah Raghunandan, Madhavan Shanmugavel, Varghese Swamy	1334
275	<b>Modelling and Simulation of MEMS based sensors for Microbotics</b> Logeshkumar Shanmugasundharam, Dr.P.T.Vanathi, Dr.Raghav Menon	1338
276	<b>Evolutionary Genetic Algorithm for Encryption</b> Wafa' Slaibi Alsharafat	1344
277	<b>Digital Signature using Stationary Wavelet Transform based Watermarking for Robots</b> Naresh Kumar Thapa K, Ponnrajakumari, Lakshmikantham	1348
278	<b>Color Image Watermarking Using Wavelet Packet Transform</b> Mothi R, Dr.M.Karthikeyan	1353
279	<b>Compressive Object Tracking – A Review and Analysis</b> Jayashree Baskaran, Ravi Subban	1358
280	<b>Fingerprint Template Protection Techniques – A Survey and Analysis</b> Pradheeba, Ravi Subban	1365
281	<b>Clustering Sentences to discover events from multiple news articles using Buckshot and Fractionation</b> SaravanaPriya D, Dr.M.Karthikeyan	1371
282	<b>Bio Mechanics and Human Locomotion</b> Ahamed Nizam Amirudin, Parasuraman S.	1376
283	<b>Modified FCM using Genetic Algorithm for Segmentation of MRI Brain Images</b> Subashini P, Jansi S.	1381
284	<b>Color Impulse Noise Removal by Modified Alpha Trimmed Median Mean Filter for FVIN</b> Pranay Yadav, Parool Singh	1386
285	<b>Traffic Congestion Detection in Vehicular Adhoc Networks using GPS</b> Disha Shrivastava, Arun Agrawal	1394
286	<b>Fortification of Malicious Onslaughts Using Enhanced Fusion Centre</b> Arun J, Dr.M.Karthikeyan	1401
287	<b>Business Intelligence: An Artificial Bee Colony Optimization Approach</b> Anusha R, Krishnan Nallaperumal	1406

**'CFFKIQPCN'RCRGTU**

.....E { dgt 'Ugewt k{ 'hqt 'C'Uo ct vP cvkqp '3632

'Cf cr vkg' CpvkU { pej t qpk cvkqp 'qh7/F 'P qxgn ''3635  
'J { r gtej cqve 'U { wgo u'cpf 'URKEG'Kó r rgo gpwcvkqp