

2013 International Conference on Information Communication and Embedded Systems

(ICICES 2013)

**Chennai, Tamilnadu, India
21 - 22 February 2013**

Pages 1-622



**IEEE Catalog Number: CFP1374U-PRT
ISBN: 978-1-4673-5786-9**

TABLE OF CONTENTS

SI No	INFORMATION	PAGE NO
1.	Introducing Smart Drivers A Way to Conceive Smart Data Sensing in Wireless Sensor Networks. <i>Carlo Brandolese, William Fornaciari, Luigi Rucco, Federico Terraneo</i>	1
2.	An effective Data Preprocessing method for Web Usage Mining <i>K. Sudheer Reddy, M. Kantha Reddy, V. Sitaramulu</i>	7
3.	Secure Authentication Scheme For Long Term Evolution-Advanced <i>M. Prasad, R. Manoharan</i>	11
4.	Choosing right database system: row or column-store <i>Anuradha.s.kanade, Dr.Arpita gopal</i>	16
5.	Node Assignment Problem <i>S Abhinay Vishwakarma, Dr. Sudeep K</i>	21
6.	Intelligent Natural Language Interface for Web-based Information Retrieval <i>Rahul Khokale, Dr. Mohd. Atique</i>	25
7.	An Approach To Identify Anomaly With Network Data Analysis <i>Suhasini Sodagudi, Varun Manchikalapudi, K.Rajasekhara Rao</i>	30
8.	Framework for Content-Based Image Retrieval using Knowledge Based Inference Engine <i>Anuja Khodaskar, Dr. S.A. Ladhake</i>	35
9.	Web Usage Mining: A Review on Process, Methods and Techniques <i>Chintan R. Varnagar, Nirali N. Madhak, Trupti M. Kodinariya, Jayesh N. Rathod</i>	40
10.	A DNA Encryption Technique Based on Matrix Manipulation and Secure key Generation Scheme. <i>Tushar Mandge, Vijay Choudhary</i>	47

11.	Survivability in Optical Network with Differential Delay using Dynamic Buffer Size R.Buvanesvari, V.Prasath, M.Rajeswari	53
12.	An Advance Approach Of PCA for Gender Recognition Abhishek Kumar, Karan Rawat, Mr. Deepak Gupta	59
13.	Vision approach of human detection and tracking using focus tracing analysis. <i>Mr.C.S.Sanoj, Mr.N.Vijayaraj, Ms.D.Rajalakshmi</i>	64
14.	Implementation of a New Technique for Web Document Protection Using Unicode <i>Jaiswal Raj J, Patil Nitin N.</i>	69
15.	Human gait recognition by cpnn <i>Ms.Switi Kewatkar, Mr. Yogdhar Pande</i>	73
16.	Robust human Iris Pattern Recognition System Using Neural Network Approach <i>Mrunal M. Khedkar, S. A. Ladhake</i>	78
17.	A New Feature Set For Content Based Image Retrieval <i>M.Babu Rao, Ch.Kavitha, B.Prabhakara Rao, A.Govardhan</i>	84
18.	Parameterization of Virtual Source Multicast OBS based on QoS Constraints <i>N. Sreenath, Terrance Frederick Fernandez, T.Megala</i>	90
19.	Survey on Performance Enhancement in Mobile Adhoc Networks using Data Caching Schemes <i>Komal M. Sharma, Archana Raut</i>	95
20.	Model for measuring accuracies of majority voting of Ensemble Classifier with COB and Genetic algorithm <i>Sarwesh Site, Dr. Sadhna K. Mishra</i>	99
21.	Cluster Performance Evaluation Using Load Balancing Algorithm <i>Mrs. Sharada Patil, Dr. Arpita Gopal</i>	104
22.	A Study on Template Extraction Techniques <i>Pushpa. S, Kanagalatchumy. D</i>	109
23.	Protecting Password Piracy using Authentication Protocol <i>K.Subhashini, Mrs.M.S.Bhuvaneshwari</i>	116

24.	Automatic Medical Disease Treatment System Using Datamining <i>Ms. M. Thangamani, S.Manojkumar , R.Dwikanand, D.Sureshkannan</i>	120
25.	Data Accountability In Cloud Using Reliable Log Files Forwarding <i>R.N.Heames, Dr.P.Sudhakar</i>	126
26.	Reversible Data Hiding in Videos Using Low Distortion Transform <i>M. Jeni, Dr. S. Srinivasan</i>	1' 1
27.	AMM- An Automated Medical Machine Enabling Enhanced features for Telemedicine Using Cloud Computing <i>Siva Sangavi.R, Shwetha Reddy.T, Madhan Prabhu.T , Joshi Kumar A.V</i>	1' 5
28.	A Stand-Alone And Sms-Based Approach For Authentication Using Mobile Phone <i>Indu S., Sathya T.N., Saravana Kumar V</i>	140
29.	Detection Of Malicious Code In User Mode <i>R.Sangeetha</i>	146
30.	Data Isolation And Protection In Online Social Networks <i>Mr.A.Sureshkumar M.E, Ms. Sukanya Palanisamy</i>	150
31.	Reliable And Efficient Broadcast Procedure For Vehicular – Ad Hoc Networks <i>Ms. Pricilla Rajakumari.D.S, Mrs. Bhuvanewari. M.S.</i>	156
32.	Issues And Challenges Of Scheduling And Protection Algorithms For Proficient Parallel Data Processing In Cloud <i>Mr.N.Vijayaraj, Ms.D.Rajalakshmi, Mr.C.S.Sanoj</i>	162
33.	Mining Intensional Information for answering XML-Queries using Tree-based Association Rules Approach <i>S. Devi Mahalakshmi, Dr. K. Vijayalakshmi, Dr. K. Muneeswaran, G.Priyanka</i>	168
34.	Detection of DDoS attack using collated strategies and Ant eater System	175

	<i>Shibin D, M Manicka Raja, Christhuraj M R</i>	
35.	A Survey on Texture Classification Techniques <i>Jisy Raju, C. Anand Deva Durai</i>	180
36.	Design of High Speed Low Power Viterbi Decoder for TCM system <i>J.Nargis, D.Vaithiyanathan, R.Seshasayanan</i>	185
37.	A Survey on Prominent Iris Recognition Systems <i>Ashna Mary George, C. Anand Deva Durai</i>	191
38.	Measuring the Wide Ranging Instant Perceptive query <i>S.Prasanna, Mr. S. Sanjeeve Kumar</i>	196
39.	Evaluation of communication and computation efficient algorithms for distributed skyline queries <i>T.Sunitha, L.Indu</i>	201
40.	Effective utilization of dataspace with projective clustering <i>N.Devambika, S.Anbu</i>	207
41.	Secure Access for MANET Using Authorization Enforcement Facility <i>Gowthami, Sangeetha</i>	212
42.	Vector Based Labeling Method for Dynamic XML Documents <i>S. Noor ea thahasin , Dr. P.Jayanthi</i>	217
43.	A Survey on Semantic Web Service Discovery <i>Malaimalavathani. M, Gowri. R</i>	222
44.	A Semantic Similarity Approach Based on Web Resources <i>Mrs.M.Karthiga, Mrs.PCD.Kalaivaani, Mr.S.Sankarananth</i>	226
45.	An Analysis of Intrusion Detection System using Back Propagation Neural Network <i>V. Jaiganesh, Dr. P. Sumathi, S. Mangayarkarasi</i>	232

46.	Early Detection of DOS Attacks in VANET Using Attacked Packet Detection Algorithm (APDA) <i>S. RoselinMary, M. Maheshwari, M. Thamaraiselvan</i>	237
47.	Analysis of Sentiments using Unsupervised Learning Techniques <i>M. S. Usha, Dr. M. Indra Devi</i>	241
48.	Algorithms to Improve Scheduling Techniques in IaaS Cloud <i>M.K.Nivodhini, Dr.K.Kousalya, Dr.S.Malliga</i>	246
49.	Combining Cryptographic Primitives to Prevent Jamming Attacks in Wireless Networks <i>Ngangbam Herojit Singh, A.Kayalvizhi</i>	251
50.	Dynamic Router Selection and Encryption for Data Secure in Wireless Sensor Networks <i>G.Rohini</i>	256
51.	Defending against Packet Dropping Attack using DRI & Cross checking Mechanism in MANET <i>Mrs.S.Madhurikkha, Dr.R.Sabitha</i>	260
52.	An Empirical Study on applying Data Mining Techniques for the Analysis and Prediction of Heart Disease <i>Sivagowry .S, Dr. Durairaj. M and Persia.A</i>	265
53.	Sentiment analysis and classification based on textual reviews <i>Ms.K.Mouthami, Ms.K.Nirmala Devi, Dr.V.Murali Bhaskaran</i>	271
54.	Ontology based Semantic Query Suggestion for Movie Search <i>P.Priya, Dr.R.Rajalaxmi</i>	277
55.	A Flexible Distributed Storage Integrity Auditing Mechanism in Cloud Computing <i>Ms. T.J.Salma</i>	283
56.	Cluster Based Location Privacy in Wireless Sensor Networks Against a Universal Adversary	288

	<i>Chinnu Mary George , Manoj Kumar</i>	
57.	Text Extraction from Assorted Images using Morphological-Region, Texture and Multiscale Techniques - A Comparative Study <i>C.P.Sumathi, N.Priya</i>	294
58.	Relevant Association Rule Mining from Medical Dataset Using New Irrelevant Rule Elimination Technique <i>K.Rameshkumar ,M.Sambath ,S.Ravi</i>	300
59.	A Novel Method To Secure Cloud Computing Through Multicast Key Management <i>K.Sriprasadh, saicharansrinivasan,O.Pandithurai, A.saravanan</i>	305
60.	Mobility Aware Reputation Node Ranking (MARNR) For Efficient Clustering At Hot Spots in Wireless Sensor Networks (WSN) <i>P.Jai Balaji, S.Anandamurugan</i>	312
61.	Defenses to curb Online Password Guessing Attacks <i>R. Kirushnaamoni,</i>	317
62.	Secure information transaction in hybrid cloud computing <i>V.Parthipan , K.Sriprasadh , S.Maheshkumar</i>	323
63.	Automated Software Testing for Application Maintenance by using Bee Colony Optimization algorithms (BCO) <i>K. Karnavel, J.Santhoshkumar</i>	327
64.	Survey on Image Segmentation via Clustering <i>S.Saraswathi, Dr.A.Allirani</i>	331
65.	Load Balanced Job Scheduling Approach for Grid Environment <i>R.Manimala, P.Suresh</i>	336
66.	<i>Ihoneycol</i> :a distributed collaborative Approach for mitigation of ddos attack <i>M.Buvanewari, Ms.T.Subha</i>	340

67.	Reverse Circle Cipher for Personal and Network Security <i>Ebenezer R.H.P. Isaac, Joseph H.R. Isaac and J. Visumathi</i>	346
68.	Survey on Wireless Technologies and Security Procedures <i>S.Vajjiravelu, Dr. A. Punitha</i>	352
69.	Hybrid Adaptive Meta-Scheduling system for grid computing <i>D. Nithyapriya, N.Krishnamoorthy</i>	356
70.	Performance Enhancement in Live Migration for Cloud Computing Environments <i>C.Sagana, M.Geetha , Dr R.C.Suganthe</i>	361
71.	A Packet Marking Approach To Protect Cloud Environment Against DDoS Attacks <i>E.Anitha,Dr.S.Malliga</i>	367
72.	A study of network security using penetration testing <i>R. Shanmugapriya</i>	371
73.	Optimistic Fuzzy Based Signature Identification In Cloud Using Multimedia Mining And Analysis Techniques <i>Poorvadevi.R,</i>	375
74.	ES-MPICH2: Message Passing Interface with Enhanced Key Agreement <i>Sudha J, Paranthaman V</i>	379
75.	Accessing the required Information from an Applications in Cloud through SMS <i>O.Pandithurai, N.Suganya, S.Naresh,Jeyakrishna Deva Suresh B.</i>	385
76.	Semantic based for E-Learning Content Storage on Cloud <i>G.Malini,Dr.T.Mala , A.Karuppaiah</i>	389
77.	Terminating the Spamming Links and Privacy Guaranteed search Logs <i>Janani V.D, Haribaabu .V, Sanjeevram.A</i>	394
78.	A Generic Framework for Deriving and Processing Uncertain Events in Rule-Based Systems <i>M.Rajesh Khanna, M.Dhivya</i>	398
79.	Impact of Gray Hole Attacks on AdHoc Networks <i>G.Usha , Dr.S.Bose</i>	404

80.	ReCon - Aspect Oriented Remotely Reconfigurable Error Logging Framework for Web Applications <i>Vallidevi Krishnamurthy, Chitra Babu, Krishnan.P.M, Aravindan.C, Balamurugan.S</i>	410
81.	Hybrid Genetic Algorithm for Solving Knapsack Problem P.G.Tharanipriya, P.Vishnuraja	416
82.	Movie related information Retrieval using Ontology based Semantic Search R.Suganyakala, Dr.R.R.Rajalaxmi	421
83.	Load Balancing Gridsim architecture with fault tolerance D.Nanthiya, P.Keerthika	425
84.	GASE -An Input Domain Reduction and Branch Coverage System Based on Genetic Algorithm and Symbolic Execution <i>C. Selvakumar, G. Jeeva Rathanam, M.R.Sumalatha</i>	429
85.	<i>iPainRelief</i> -A Pain Assessment and Management App for a Smart phone Implementing Sensors and Soft Computing Tools <i>Madhumathi Rajesh, Joan.S.Muthu, Suseela.G</i>	434
86.	An Efficient Dictionary Learning Algorithm for 3D Medical Image Denoising based on SADCT M.Thilagavathi,P.Deepa	442
87.	Priority Based Heuristic Job Scheduling Algorithm For The Computational Grid <i>Rency rajan,G.K.Kamalam</i>	448
88.	Innovation in cloud computing:Implementation of Kerberos version5in cloud computing in order to enhance the security issues <i>Mehdi Hojabri,K.venkat rao</i>	452
89.	Automated vessel tree segmentation in lungs <i>Ms.S.Jenifer,Mrs.P.Deepa</i>	457
90.	Reduction of Delays in Reactive Routing Protocol for Unobservable Mobile Ad-Hoc Networks <i>P.Karthikkannan, K.P.Lavanya Priya</i>	463
91.	Automated query generation of rdbms for information and knowledge extraction <i>A.Arun,P.Srinivasan</i>	468

92.	Prolonging Life Time of Network by Finding Optimal Path using AODV Routing Protocol <i>T.Swathy, Dr.C.Jayakumar</i>	474
93.	Recommendation System Based On Statistical Analysis of Ranking From User <i>M.Kalaivanan, K.Vengatesan</i>	479
94.	Video surveillance system and content sharing between PC and mobile using android <i>D.Shiny Irene, R.Dhanalakshmi</i>	485
95.	Video surveillance system and facility to access pc from remote areas using smart phone <i>R.Rashmi,Dr.B.Latha</i>	491
96.	Visual dictionary: a Decision support tool for DR pathology detection on'poi <i>Mr.S.Madhukumar ,R.Vijayalakshmi</i>	496
97.	Network Activity Classification Schema in IDS and Log Audit for Cloud Computing <i>G.sathya,Vasanthraj.K</i>	502
98.	Measurement of similarity using link based cluster approach for categorical data <i>Ms. M. Pavithra</i>	507
99.	Attrition Factor Analysis-With Special Reference to IT Professionals in Chennai <i>M. Kannan K.Vivekanandan</i>	517
100.	A Study of Mining Algorithms for Finding Accurate Results and Marking Irregularities in Software Fault Prediction <i>Hemant Palivela,Yogish H K,Vijaykumar S, Kalpana Patil</i>	524
101.	Survey of Retinal Image Analysis for Glaucomatous Classification and Exudates Detection <i>MP Karthikeyan,D. Malathi</i>	531
102.	Semantic Search for Structured Web Finder <i>Suresh Kumar.V, Thenmozhi.M</i>	535

103.	Survey on mining techniques for Breast cancer related data <i>Hemant Palivela, Yogish H K, Vijaykumar S, Kalpana Patil</i>	540
104.	An Implementation of Clustering Project Proposals on Ontology based Text Mining Approach <i>T.Preethi, R.Lakshmi</i>	547
105.	Empowering Privacy Based Multi-level Trust Using Random Perturbation Techniques <i>R.Tamil Elakkiya, Mrs.P.Velvizhi</i>	551
106.	Software Defect Prediction Using Software Metrics- A Survey <i>K.Punitha, Dr.S.Chitra</i>	555
107.	An Efficient Approach to Predict Tumor in 2D Brain Image Using Classification Techniques <i>K.S.Deebak, K.Gokul, R.Hinduja, S.Rajkumar</i>	559
108.	VISION-BASED SIGN LANGUAGE TRANSLATION DEVICE <i>Yellapu Madhuri, Anitha.G, Anburajan.M</i>	565
109.	Flexible Access Control for Outsourcing Personal Health Services in Cloud Computing using Hierarchical Attribute Set Based Encryption <i>Kandasamy.V, Papitha.E</i>	569

SI No	COMMUNICATION	PAGE NO
110.	Root cause analysis and new practical schemes for improving of SDCCH accessing in cellular networks. <i>Mohammed rasoul tanhatalab, Ali azarshad</i>	572
111.	An analysis of a UWB Ice-cream cone antenna for UWB communication. <i>Mohd Azlishah Othman, Siti Rohmah Mohamed Kamaruddin, Mohamad ZoinolAbidinAbd Aziz, Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Mohan Sinnappa, Maizatul Alice Meorsaid, Ridzaazri Ramlee</i>	580
112.	An analysis of a UWB double sided circular DISC bow-tie antenna. <i>Mohd Azlishah Othman, Sara AfifahBinti Abu Bakar, Mohamad ZoinolAbidinAbd Aziz, Mohan Sinnappa ,Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Maizatul Alice Meorsaid, Ridzaazri Ramlee</i>	584
113.	An investigation of drugs detection technique using RF radiation exposure in room temperature. <i>Mohd Azlishah Othman, Mohamad ZoinolAbidinAbd Aziz, Mohan Sinnappa ,Mohd Muzafar Ismail, Hamzah Asyrani Sulaiman, Mohamad Harris Misran, Ridzaazri Ramlee, Maizatul Alice Meorsaid</i>	588
114.	The reduction of PAPR in OFDM systems using clipping and SLM method. <i>Aparna P. More, Sunil B. Somani</i>	593
115.	Twice-band irregular rectangular cut-in microstrip patch antenna for microwave communication. <i>Bipa datta, Arnab das, Samiran chatterjee, Moumita mukherjee, Santosh kumar chowdhury</i>	598
116.	Cyclo-stationarity based windowing method for spectrum sensing in cognitive radio networks. <i>Subhashri G.Mohapatra, Ambarish G. Mohapatra, Dr. S.K.Lenka</i>	603
117.	Evaluation of atmospheric attenuation due to various parameters. <i>K. Sudhakar, M.V. Subramanyam</i>	609

118.	Robustness of video watermarking against various attacks using wavelet transform techniques and principle component analysis. <i>Mr Mohan A Chimanna, Prof.S.R.Khot</i>	613
119.	Analysis of spatial filtering to enhance transmission capability of single mode optical fibers. <i>M.Venkata Sudhakar, Dr. Y.Mallikarjuna Reddy and Dr. B.Prabhakara Rao</i>	619
120.	Comparative study of statistical models and classifiers in face recognition. <i>C.Magesh Kumar, G.Ragul, R.Thiyagarajan, R.Mohan</i>	623
121.	A Wavelet based image watermarking technique using image sharing method. <i>B.Sridhar, Dr.C.Arun</i>	629
122.	Implementation of multiwavelet Transform coding for lossless image compression. <i>K. Rajakumar, T.Arivoli</i>	634
123.	Detection of architectural distortion in mammogram image using wavelet transform. <i>Ms.R.Muthukarthigadevi, Mr.S.Anand</i>	638
124.	Affine based image registration applied to MRI brain. <i>A.Ganesh lakshmanan, A.Swarnambiga, S. Vasuki, A. Anantharaja</i>	644
125.	Speckle suppression of SAR image based on curvelet and dual tree complex wavelet transform. <i>Nandhini G, Sarawathy. C</i>	650
126.	A joint clipping and logarithmic based companding for the reduction of peak-to-average power ratio in OFDM system. <i>Deepa.T, Swetha.K, Kumar. R</i>	655
127.	Face recognition system based on feature extraction. <i>S. Anitha, D.Vaithyanathan, R.Seshasayanan.</i>	660
128.	Design of a triangular fractal patch antenna with slit for IRNSS and GAGAN applications. <i>Dr. S. Arivazhagan, K.Kavitha</i>	665
129.	Reconfigurable FFT using CORDIC based architecture for MIMO-OFDM receivers. <i>K.Kalyani, D.Sellathambi, S.Rajaram</i>	670
130.	A STBC-OFDM based full diversity linear receiver. <i>S.Prasad Jones Christydass</i>	676
131.	Performance analysis of CML with electronic dispersion precompensation for effective transmission over 1000km standard SMF. <i>B. Meenambal, I.Muthumani, A. Sivanantha Raja.</i>	681

132.	Long-Reach upstream>100-Gb/s by using directly modulated RSOAs for WDM PON. <i>D. Latha, P.Muthumani, A.Sivanantharaja.</i>	685
133.	Uplink and downlink of RF signals using optical frequency multiplication in radio over fiber. <i>Sivapriya.A, Prof.Sivanantharaja.A</i>	691
134.	Optimized tracking and detection of target nodes in wireless sensor networks. <i>S. Niranchana, E.Dinesh</i>	695
135.	Improving reliability and energy efficiency using packet splitting based on CRT forwarding technique and kalman filter in wireless sensor networks. <i>B.Arutselvan, Mrs.R.Maheswari, M.S.,</i>	701
136.	An adaptive approach for route optimization in MANET <i>Reshma. P.R, Ms.S.Bharathi</i>	706
137.	Energy conservation and DDOS detection using intelligent node in mobile ADHOC network. <i>M.Nandini, J.Sathya priya</i>	713
138.	A study on consumed bandwidth using link share algorithm. <i>U.Rahamathunnisa, Dr.R.Saravanan, Ajith.A.M, Nincy james</i>	718
139.	Image hiding technique based on similarity measure for networks with high security RISK. <i>R.Janani, K.Gowthami</i>	722
140.	Steganography using genetic algorithm along with visual cryptography for wireless network application. <i>Mrs. G.Prema, S.Natarajan</i>	727
141.	Efficient memory optimization and high throughput decoding architecture based on LDPC codes. <i>Leevaston Ngangom, Manikandan</i>	731
142.	Efficiency improvement in RNG using a simplified algorithm. <i>R.Shantha Selva Kumari, D.S Monisha</i>	735
143.	Implementation of an integrated FPGA based automatic test equipment and test generation for digital circuits. <i>K.Vanitha, C.A.Sathiya Moorthy</i>	741
144.	Downlink interference management in femtocell networks-A comprehensive study and survey. <i>Padmaloshani Palanisamy, S.Nirmala</i>	747
145.	Modified Rayleigh maximum likelihood despeckling filter using Fuzzy rules. <i>Dr.S. Nirmala, S.Sridevi</i>	755

146.	An efficient SVM based tumor classification with symmetry non-negative matrix factorization using gene expression data. <i>Mr.N.Yuvaraj, Mr. P.Vivekanandan</i>	761
147.	Design and analysis of multimode fiber with high bend tolerance and bandwidth using restricted mode launch. <i>R.Mercy Kingsta, A.Sivanantharaja</i>	769
148.	Performance resolution of cross-layer framework in Wimax OFDMA networks. <i>B.Kharthika, Ms.G.M.Vigneswari</i>	773
149.	Design and dimensioning strategies for telemedicine backbone networks with optical links. <i>M.Smitha Krishnan, D.Sheela, C.Chellamuthu</i>	780
150.	Performance analysis of degree of polarization using PMD compensation in DP-DQPSK. <i>K.Durgadevi, I.Muthumani</i>	785
151.	A steganographic substitution technique using APPM for encrypted pixels. <i>S.Immaculate Rosaline, C. Rengarajaswamy</i>	792
152.	Feature extraction in retinal fundus images. <i>Sumathy.B, Dr.Poornachandra.S</i>	798
153.	A low power and high performance on-chip interconnect using current mode signaling scheme. <i>Prabakaran J, Ravi.V</i>	803
154.	Automatic detection of tumors subtype in mammograms based on GLCM and DWT features using SVM. <i>Mohamed Fathima, Dr.D.Manimegalai, Ms.S.Thaiyalnayaki</i>	809
155.	Enhancement of retinal blood vessel segmentation and classification. <i>R.V.Prasannai</i>	814
156.	Investigations on free space optics communication system. <i>S.Vigneshwaran, I.Muthumani, A. Sivanantha Raja</i>	819
157.	Analysis of fiber optical parametric oscillator. <i>M.Nithya, Dr.A.Sivanantharaja</i>	825
158.	Intelligent Biometric actuators. <i>Prashanth Ramadoss, Sarathananth Sampathkumar, Vishwa Srivatsava Chandramouli, Prashanth Manohar</i>	829
159.	Compression of FPGA bitstream using improved RLE algorithm. <i>P.Hemnath, V.Prabhu.</i>	834
160.	Dispersion Compensation for WDM Signals with Polarization Insensitivity <i>N.Gopi, I.Muthumani, A.Sivanantha Raja, S.Selvendran</i>	840

161.	Performance analysis of RADIO OVER FIBER SYSTEMS USING THE Brillouin-assisted carrier phase shift. <i>A.Anand, I.Muthumani, A. Sivanantha Raja.</i>	845
162.	Dual-band slotted microstrip patch antenna design for application in microwave communication. <i>Arnab das, Bipra datta, Samiran chatterjee, Moumita mukherjee, Santosh kumar chowdhury</i>	850
163.	CDMA interference cancellation techniques using neural networks in Rayleigh channels. <i>Biju geevarghese, Jibu Thomas, Geethos Ninan, Anish francis</i>	856
164.	VLSI realization for decomposition of dynamic texture using efficient motion estimation algorithm. <i>V.Aruljyothi, A.Nithya</i>	861

S.No	EMBEDDED SYSTEM	Pg. No
165.	Generic Software Framework for A Line -Buffer Based GPU (Reconstruction Pipeline) Kalingarani. G, Karthikeyan.S	866
166.	Continuous Tracking of User with Distance Based Location Queries via Virtual Trip Line Vilva naga kani.S, Divakar.S	872
167.	Zigbee And Atmega32 Based Wireless Digital Control And Monitoring System For Led Lighting Kuthsav Thattai, Bala Manikanta.K, Shiwangi Chhawchharia,Prof. Marimuthu. R	878
168.	Design And Simulation Of Zigbee Transmitter Using Verilog Divyabharathi.R, Mohammed Mian A.	882
169.	Human Health Monitoring Mobile Phone Application by Using the Wireless Nanosensor Based Embedded System Dinesh kumar. K	889
170.	Load Balanced Adaptive Routing With Reduced Overhead for Network On Chip (Noc) Systems Kalaivani.J Dr. Vinayagasundaram.B	893
171.	Design of Internal Model Controller for a Heat Exchanger System Rajalakshmi.K, Mangaiyarkarasi.V	899
172.	Analysis Of AQ-DBPSK Modulation For WSN Transceivers In Indoor Environments Vasanthi. M.S., Dharmesh Kumar, Rama Rao.T	904
173.	Real Time Controlling Of the Critical Parameters with Time and Power Efficient Model in the Refinery Menaka.T, Vanila.S, Agi Lydia Prizzi.F	908
174.	A Novel Analysis of High Frequency LLC Converter for Fuel Cell Systems Arumugam. S, Karthikeyan. E.L., Saikumar.P	913
175.	Design Of Charging Unit For Electric Vehicles Using Solar Power Arulbel Benela. R., Dr. Jamuna. K	919
176.	Ensuring CIA Triad for User Data Using Collaborative Filtering Mechanism Deepika.S, Pandiaraja.P	925
177.	Implementation of Digital Micro-step Driver for Five-phase Hybrid Stepper Motor using Digital Signal Controller Anitha Karthi, Dr.. Paranjothi. S. R, Dr.Solaimanohar.S	929
178.	Adaptive Low Power RTPG for BIST based Test Applications Renju Thomas John, Sreekanth K D, Sivanantham S	933

179.	A Survey on Urban Vegetation Detection Using Airborne Lidar Data Images Vengadeswari.R, Rajalakshmi.S	937
180.	Reliable detection of Adaptive Pixel Pair Matching in color and Grayscale images Kiruba.K, Karthikeyan.S	943
181.	Sixth Sense Technology Pradeep Kumar.S, Pandithurai.O	947
182.	Improving the Energy Efficiency in Multicast Routing For Mobile Adhoc Networks Victoria Mary.S, Prathish Kumar.J	954
183.	Secure Implementation Of Routing Protocols for Wireless Ad Hoc Networks Amutha.S, Dr.Kannanbalasubramanian	960
184.	Intelligent Neuro Controller Based Speed and Torque Control of Five Phase Switched Reluctance Motor Senthil Kumar.R, Arthur Vasanth.J	966
185.	Prototype of A Fingerprint Based Licensing System For Driving Ashwin .S, Loganathan.S, Santhosh Kumar .S, Sivakumar.P	974
186.	Detection of Non-Proliferative Diabetic Retinopathy in Fundus Images of The Human Retina Catherine Silvia.R, Prof.Vijayalakshmi.R	98\$
187.	A Soc Bus Architecture for Detecting and Thwarting IC Functional Viruses With Reduced Activation Time Gowri.D, Mohammed Abbas .A	986
188.	Texture Image Segmentation Based On M-band Wavelet Derived Features Using Fuzzy C-Means Devi Priya.A, Veera Senthil Kumar.G	992
189.	Harmonic Extension on Level-3 Sierpinski Gasket via Electrical Network Uthaya Kumar.R, Nalayini Devi.A	998
190.	New modified Reconfigurable Architectures for Implementing FIR Filters with Low Complexity Kanaga .P, Babu.P	1005
191.	A Zigbee SMS Alert System with Trust Mechanism In Wireless Sensor Networks GowriDurga.A, Prakash.B	1010
192.	Design and Fabrication of a Miniaturized ECG System with Bluetooth Connectivity Dennis Joe Harmah, Kathirvelu D	1015
193.	A novel Rule Based Intrusion Detection Framework for Wireless Sensor Networks Eswari.T, Dr. Vanitha.V	1019
194.	An Efficient High Speed Wallace Tree Multiplier Sureka.N, Porselvi.R, Kumuthapriya.K	1023

195.	Modelling and Simulation Of Carbon Nanotubes (CNT) For Nanoelectronics Device Applications Vasanthan Thirunavukkarasu, Priyadharsini K, Aruna Priya.P, John Thiruvadigal.D	1027
196.	Effective Watermarking Algorithm to Protect Electronic Patient Record Using Image Transform Pradeepkumar.G,Usha.S	1030
197.	Improving the Performance of Thermally Constrained Multi Core Processors Using DTM Techniques Sophia Lawrence .W, Ranjith Kumar .P	1035
198.	Low Power and Memory Efficient FFT Architecture Using Modified CORDIC Algorithm Malashri.A, Paramasivam.C	1041
199.	Smart Metering System Geetha.A, Dr. Jamuna.K	1047
200.	Efficiency Analysis of Bridgeless Cuk Converter for PFC Applications Dr.Gopinath.M, Sheela.V	1052
201.	FPGA Implementation of Precoding using Low Complexity SVD for MIMO-OFDM Systems Srinivasan.J, Dr.Rajaram.S	1057
202.	Improved Z Source Inverter for Speed Control of an Induction Motor Amudhavalli.D, Narendran.L	1064
203	Design and development of PIC microcontroller based vehicle monitoring system using Controller Area Network (CAN) protocol Presi.T.P	1070
204.	Natural Dye-Sensitised Solar cells with Titania Nanoparticles Priyadharsini K, Vasanthan T	1077
205.	Comparison of Interleaved Two & Three Stages Buck Converter Pushpavalli.M, Bharathi.M.L	1081
206.	A Comparative Analysis of Feature Selection Algorithms on Classification of Gene Microarray Dataset Jeyachidra.J, Punithavalli.M	1088
207.	Static Range Testing of ADC Sindhu.B.A, Hariharan.K	1094
208.	Automatic Retrieval of MRI Brain Image Using Multiqueries System Mohanapriya.S, Vadivel.M	1099
209.	Watchdog: Reduce time delay for spreading selfish information in MANET Keerthika.V, Dr . Suganthe.R.C	1104
210.	A STATCOM-Control Scheme for Wind Energy System to Improve Power Quality	1108

	Nirmala N.Suresh Kumar.V	
211.	Fuzzy Logic-Based Implementation of Color Image Processing Techniques in FPGA Nithiya .N, Imtiaz.R	1114
212.	A Fuzzy Logic Controller based Power Factor Correction for LED Lighting Applications Hariprasath. S, Dr. Balamurugan. R	1118
213.	Park's Vector Approach for Online Fault Diagnosis of Induction Motor Abitha Memala.W,Dr.Rajini.V	1123
214.	A smart way to play using Brain Machine Interface (BMI) Raajan. N.R., Jayabhavani.G.N	1130
215.	Energy Management in An Automated Solar Powered Irrigation System SatyaPrasanthYalla, RajeshKumar K.V., Ramesh B.	1136
216.	Airfield Lamp Monitoring & Control Systems Ninad Saraf ,Rohan Salvi ,Nimesh Salunkhe,Ritvij Sahasrabuddhe	1141
217.	MCEP Based Intelligent Vehicle with Multitask Management Lakshmi Kanthan N., Babu.V	1144
218.	Model Based Design of Super Schedulers Managing Catastrophic Scenario in Hard Real Time Systems Christy Persya.A , Gopalakrishnan Nair T.R.	1149
219.	Design of Low-cost Continuous Temperature and Water Spillage Monitoring System Uttam Kumar, Biswajeet Champaty,Shashikala P, Kunal Pal	1156
220.	A functional link Artificial neural network for location management in Cellular Network Smita Parija ,Prasanna.Kumar Sahu,Santosh Kumar Nanda Sudhansu.Sekhar Singh	1160
221.	Performance Enhancement of Power Line Communication Anuj goyal,Sarat kumar patra	1165
222.	Congestion Avoidance through Cooperative Routing in MANETS Nishanthini C., Rajkumar. G.	1169
223.	A Fuzzy Goal Programming Approach for Quadratic Multiobjective Bilevel Programming under Fuzzy Environment Animesh Biswas, Koushik Bose , Shyamali Dewan	1173
224.	Vibration control of Piezoactuated Cantilever Beams using Adaptive filtering Karl Marx. L.R.,Swathi. L	1179
225.	Low Power And Area Efficient Static Random Access Memory Design Using Schmitt Trigger Balachandran.A, Sornalatha.M	1183
226.	Low Power And Area Efficient Duty Cycle Corrector With Sigma Delta Analog To Digital Converter	1188

	Dheena Dhayalan R ,Vasanthi A	
227.	Intelligent Battery Management System for Runtime optimization of an Electric car Anirudh Kumar,Shubham Jangid,Ishan Patiyat,Joydeb Roychowdhury	1192
228.	Transmission Performance Analysis of ROADM using Holograms Umanath. R., Sivanantha Raja. A.	1197
229.	DVTS Approach To Digital CMOS Circuits for Decreasing Total Power Consumption Archanadevi C., Prabhu.V	1203
230.	LFSR-Reseeding Scheme for Achieving Test Coverage Kalaiselvi M., Neelukumari. K.S.	1209
231.	Interleaved Soft Switching Boost Converter with MPPT for Photovoltaic Power Generation System Amudhavalli.D , Meyyappan.M,Imaya.S,Preetha Kumari.V	1214
232.	Rainfall-runoff forecasting Techniques for avoiding global Warming Santosh Patil , Sharada Patil,Prof. (DR.) Walunjkar	1220
233.	7TH Sense-A Multipurpose Robot for Military Pavithra . S., Siva sankari . S.A.	1224
234.	Total reduction of leakage power through combined effect of Sleep stack and variable body biasing technique Anjana R Laxmi ,Ajay kumar somkuwar	1229
235.	Performance Analysis of Effective Security Algorithm for Wireless Ad Hoc Networks Ramachandran,R , Ruban Thomas.D	1234
236.	Optimal Approach For Real Time continuous speech Recognition system Divyaprabha S., Prabhu V.	1238
237.	Reconfigurable Architecture For FIR Filter With Low Power Consumption Jayasudha. N., K.G.Sathiya	1244