



Bharatiya Vidya Bhavans'
Sardar Patel Institute of Technology
 Munshinagar, Andheri(W), Mumbai-400058

SCHEDULE FOR PAPER PRESENTATION

Session 1	
Date : 16th January, 2015	
Timing : 11:00 a.m to 1:00 p.m.	
Track 1 Signal Processing	
Session Chair: Dr. Sanjiv S Bonde	
Venue : Room No. 105	
Papers	
Id	Name
22	IEEE 1451.2 based Smart Sensor System using ADuc847 <i>Sreejith Lal A, Ajith Jose and Shooja A</i>
291	Study of loss tangent and attenuation using Ground Penetration Radar (GPR): Sandy loam class of soil. <i>Amitansu Pattanaik and Ashish Kumar</i>
250	Performance Analysis of New Time Varying LMS (NTVLMS) Adaptive Filtering Algorithm in Noise Cancellation System <i>Siddappaji and K L Sudha</i>
169	Signal Processing of Spectral Domain Optical Coherence Tomography <i>Yogesh Rao, Nisha Sarwade and Roshan Makkar</i>
90	Speaker based Language Independent Isolated Speech Recognition System <i>Shanthy Therese S and Chelva Lingam</i>
134	Vehicle Parking System Implementation using CPLD <i>Divya Shah, Rohit Chaurasiya, Devdip Sen and Shashwat Goyal</i>
259	LabVIEW based MPC for Level Control of a Laboratory Setup <i>Pushparaj Suryawanshi, Sharad Jadhav, Manoj Sarode and Dr. Mukesh Patil</i>

Session 1	
Date : 16th January, 2015	
Timing : 11:00 a.m to 1:00 p.m.	
Track 2: Image Processing	
Session Chair: Dr. Udhav Bhosale	
Venue : Room No. 008	
Papers	
Id	Name
40	Emotion Recognition Using LP Residual At Sub-segmental Level, Segmental Level And Supra-segmental Level <i>Jainath Yadav, Anshu Kumari and Krothapalli Sreenivasa Rao</i>
30	Fractal Image Compression Using Genetic Algorithm with Ranking Select Mechanism <i>Amita Kulkarni and Sanjay Gandhe</i>
48	Experiments on Content Based Image Classification using Color Feature Extraction <i>Sandhya Shinde, Sonali Sabale, Siddhant Kulkarni and Deepti Bhatia</i>
69	Content Based Cartoon Video Classification using Dynamic Thepade's Ternary Block Truncation Coding (DTTBTC) <i>Sandhya Shinde, Siddhant Kulkarni, Deepti Bhatia and Sonali Sabale</i>
52	A Fuzzy based Classification Scheme for Unconstrained Handwritten Devanagari Character Recognition <i>Sushama Shelke and Shaila Apte</i>
19	Image Transmission over OFDM System using Trigonometric Transforms <i>Nasheet Fatima</i>

Session 1	
Date : 16th January, 2015	
Timing : 11:00 a.m to 1:00 p.m.	
Track 3: Electronics	
Session Chair: Dr. Rajendra R Sawant	
Venue : Room No. 403	
Papers	
Id	Name
203	Automated Dental Drilling System Prototype Tanvi Chaugule, Priyank Deshpande, Dipen Shah, Yeramreddy Rao and Arvind Lakhwan
103	A gm/ID based Design of High PSR Low dropout Regulator for SoC Applications Prakash Gundabathina and Dhanaraj K
264	Highly Selective Etching of GaAs/Al _{0.3} Ga _{0.7} As for High Electron Mobility Transistor (HEMT) Applications Using Citric Acid Buffer Solution Shanmukha Sandesh, Ch. Ravi Kumar and Dr. Guruswamy Rajaram
44	Double Current Controlled Differential Voltage Dual Output Current Conveyor and its applications R V Yenkar, R S Pande and S S Limaye
157	Performance and area scaling of 6T SRAM using SOI MOSFET at 32nm node Sanjay Chopade and Rajni Sharma
165	Programmable Chemical Reactions Snehal Shah and Ninad Mehendale

Session 1	
Date : 16th January, 2015	
Timing : 11:00 a.m to 1:00 p.m.	
Track 4: E – Learning	
Session Chair: Dr.Ramesh Karandikar	
Venue : Room No. 603	
Papers	
Id	Name
59	Source Code Plagiarism Detection Tool "Parikshak" Shalini Sharma, Chandra Shekhar Sharma and Veena Tyagi
117	Low Power Multiplier Architectures Using Vedic Mathematics in 45nm Technology for High Speed Computing Suryasnata Tripathy, L B Om Prakash, Sushanta K
255	Augmented Reality In E-Learning-Review Of Prototype Designs For Usability Evaluation Trupti Satpute, Subhash Pingale and Vijaysinh Chavan
208	Exploring hybrid approach for mutant reduction in software testing Tejal Carwal and Shree Jaswal
150	Performance Analysis of Recommendation System Based on Collaborative Filtering and Demographics Jyoti Gupta and Jayant Gadge
237	Authoring Tool based on Learning Object Standards Prashant Kharat, Guna Shekhar and Prachi Garpure

Session 2	
Date : 16th January, 2015	
Timing : 2:00 p.m to 5:00 p.m.	
Track 1: Communication	
Session Chair: Dr. Srija Unnikrishnan	
Venue : Room No. 105	
Papers	
Id	Name
93	Energy Conservation in a Wireless Sensor Network by an efficient routing mechanism Sonali Sen Baidya and Abhishek Baidya
167	A Performance Study of MIMO Detectors in the Presence of Channel Estimation Errors Aravindan I, Raju Antony K, Anil Kumar K, Anurag Padmakumar, Snehith T C and Ramanathan R
91	Capacitated Minimum Forest Problem In Wireless Sensor Networks Shwetal Jaiswal and Dr Rajendra Sawant
278	Meta-material Embedded Designing of 2.4 GHz Patch Array Antenna for Wireless Communication. Jaypal Baviskar, Afshan Mulla, Vikram Singh and Amutha Jeyakumar
225	Analysis of Shorted V-slot cut Dual and Wide band Triangular Microstrip Antenna Amit Deshmukh, Shafin Nagarbowdi and Neelam Phatak
20	Broadband Proximity Fed Shorted Sectoral Microstrip Antennas Amit Deshmukh, Neelam Phatak and Shafin Nagarbowdi
10	Identifying associations between smartphone usage and mental health during depression, anxiety and stress Madhura Mestry, Jigesh Mehta, Ajit Mishra and Kiran Gawande
92	Congestion Aware Load Balancing for Multiradio Wireless Mesh Network Kruti Kapadia and Dayanand Ambawade

Session 2	
Date : 16th January, 2015	
Timing : 2:00 p.m to 5:00 p.m.	
Track 2: Image Processing	
Session Chair: Dr. S T Gandhe	
Venue : Room No. 008	
Papers	
Id	Name
125	Experimental Analysis of Perceptual Based Texture Features for Image Retrieval Prajakta Hassekar and Rajendra Sawant
151	A Robust Technique for Relational Database Watermarking and Verification Swathi Melkundi and Chaitali Chandankhede
106	probabilistic Triangular Shuffling Approach in DWT Based Image Compression Scheme Jaypal Baviskar, Afshan Mulla, Amol Baviskar, Neha Kudu and Swapnil Wagh
121	Image Encryption using Variation of Left Shift and MOD Operator for Logistic Map H. B Kekre, Tanuja Sarode and Pallavi Halarnkar
176	Image Encryption Using Chaos Theory Minal Avasare and Vishakha Kelkar
184	Successive Geometric Centers, Grid & Texture based Feature Vector Extraction for Dynamic Signatures Pravin Jangid and Vinayak Bharadi
205	Suspicious Movement Detection and Tracking based on Color Histogram Sandesh Patil and Kiran Talele
82	Voice Conversion Using Gaussian Mixture Models Kevin Dsouza and K. T. V. Talele

Session 2	
Date : 16th January, 2015	
Timing : 2:00 p.m to 5:00 p.m.	
Track 3: Artificial Intelligence	
Session Chair: Dr. G T Thampi	
Venue : Room No. 403	
Papers	
Id	Name
71	In pursuit of the best Artificial Neural Network for predicting the most complex data Mohit Sewak and Sachchidanand Singh
114	Automated System for Malaria Parasite Identification Swati Savkare and Sandipan Narote
33	Automatic Text Summarization of Wikipedia Articles Dharmendra Hingnu, Deep Shah and Sandeep Udmale
110	Comparative Analysis of Cell Search Schemes in Long Term Evolution Systems Smita Lonkar, Amey Uchagaonkar and K. T. V. Reddy
118	Artificial Neural Network Model for Suspended Equilateral Triangular Microstrip Antennas Amit Deshmukh, Venkata A. P. C. , Shafin Nagarbowdi and Shivali Kulkarni
149	Improving Classification Using Preprocessing and Machine Learning Algorithms on NSL-KDD Dataset Datta Deshmukh, Tushar Ghorpade and Puja Padiya
265	Twitilyzer Designing an approach for ad-hoc search engine Harshil Kanakia and Dhananjay Kalbande
38	Complex Event Processing for Evolving Cities Dhwani Panchal and Priyash Shahane

Session 2	
Date : 16th January, 2015	
Timing : 2:00 p.m to 5:00 p.m.	
Track 4 : Network Security	
Session Chair: Dr. V. S. Patil	
Venue : Room No. 603	
Papers	
Id	Name
12	Authenticating Using Secret Key in Digital Video Watermarking Using 3-Level DWT Shoaib Mohemmed Shaikh
94	Reality Mining based on Social Network Analysis Jyoti More and Chelapa Lingam
138	Digital Forensic Framework using Feedback and Case History Keeper Nilakshi Jain and Dr. Dhananjay R Kalbande
136	Friend Recommendation Techniques in Social Network Arlina D'Cunha and Vandana Patil

Session 3	
Date : 17th January, 2015	
Timing : 10:00 a.m to 1:00 p.m.	
Track 1: Communication	
Session Chair: Dr. S S Mande	
Venue : Room No. 105	
Papers	
Id	Name
223	Design and Analysis of OCDMA System using W/T Codes at Different Bit Rates Manisha Bharti
174	Enhanced Mechanism for Localization in Wireless Sensor Networks using PSO Assisted Extended Kalman Filter Algorithm (PSO-EKF) Ravichander Janapati, Balaswamy Ch and Soundararajan K
238	Hybrid MIMO-OFDM System with Application to Image Transmission Shubhangi Chaudhary and Anil Patil
143	VIRTUALIZATION OF WIRELESS SENSOR NETWORK WITH EFFICIENT POWER SAVING SCHEME Shital Gharage and Srinu Dharavath
173	Performance Analysis of ZigBee Based Real Time Home Automation System Jaypal Baviskar, Afshan Mulla, Manish Upadhye, Jeet Desai and Aniket Bhovad
196	GSM Based Interactive Voice Response System for Load Control and Monitoring Jaypal Baviskar, Afshan Mulla and Amol Baviskar
61	MMRE-AOMDV based Energy Efficient (MAEE) Routing Protocol for WMSNs Ulka Padwalkar and Dayanand Ambawade
197	LASAR: Spectrum Aware Routing Protocol for Cognitive Radio Wireless Networks Ramjee Yadav and Anand Mane

Session 3	
Date : 17th January, 2015	
Timing : 10:00 a.m to 1:00 p.m.	
Track 2: Image Processing	
Session Chair: Dr. Kushal Tuckley	
Venue : Room No. 008	
Papers	
Id	Name
246	Enhancement of old images and documents Preeti Kale and Dr. K. S. T. Gandhe
294	Novel Data Mining based Image Classification with Bayes, Tree, Rule, Lazy and Function Classifiers using Fractional Row Mean of Cosine, Sine and Walsh Column Transformed Images Sudeep Thepade and Madhura Kalbhore
297	Bimodal Biometric Identification with Palmprint and Iris Traits using Fractional coefficients of Walsh, Haar and Kekre Transforms Sudeep Thepade and Rupali Bhondave
252	Energy Thresholding Based Sub Band Elimination DWT Scheme for Image Compression Jaypal Baviskar, Afshan Mulla, Amol Baviskar, Pavankumar Borra and Sunita Yadav
211	Robust Watermarking by SVD of Watermark Embedded in DKT-DCT and DCT Wavelet Column Transform of Host Image H. B Kekre, Tanuja Sarode and Shachi Natu
270	Robust Image Forgery Localization and Recognition in Copy-Move Using Bag of Features and SVM Kalyani Khuspe and Vanita Mane
273	Performance Improvement of Complex Plane based Feature Vector for Online Signature Recognition Avani Shah and Dr Vinayak A. Bharadi
233	Person Tracking using Mean Shift with Gray Level Grouping Ashish Sahi and K. T. V. Talele

Session 3	
Date : 17th January, 2015	
Timing : 10:00 a.m to 1:00 p.m.	
Track 3 : Data Warehousing & Mining	
Session Chair: Dr. R R Sedamkar	
Venue : Room No. 403	
Papers	
Id	Name
292	efficient arabic text extraction and recognition using thinning and dataset comparison technique Abdul Khader Jilani Saudagar and Habeeb Vulla Mohammed
266	Automating Sequence Dataset Generating by using SeqGen Alpa Reshamwala and Sunita Mahajan
236	DOM Tree Based Approach for Web Content Extraction Bhavdeep Mehta and Meera Narvekar
158	Hybrid Dimensionality Reduction Approach for Web Page Classification Shraddha Sarode and Jayant Gadge
26	Boundary value and Recency based effective Algorithm to capture Emerging Trends in time stamp based Sequence Database Niti Desai and Amit Ganatra
95	REMOTE FILE SEARCH USING SMS Anita Morey and Kailash Morey
191	Data Mining and Data Warehousing for Supply Chain Management Shridhar Kamble, Aaditya Desai and Priya Vartak
187	Fraud Detection in Health Insurance using Data Mining Techniques Vipula Rawte and G Anuradha

Session 4	
Date : 17th January, 2015	
Timing : 2:00 p.m to 5:00 p.m.	
Track 1 : Information Security	
Session Chair: Dr. D.N.Kyatanavar	
Venue : Room No. 105	
Papers	
Id	Name
152	Offline Signature Verification Using Shape Dissimilarities Pradeep Narwade, S. V. Bonde and D. D. Doye
36	An Extended Approach for Securing the Short Messaging Services of GSM using Multithreaded Elliptical Curve Cryptography Ansar Ahemad Shaikh and Nilesh Vani
115	On the performance of quantum cryptographic protocols SARG04 and KMB09 Minal Lopes and Dr. Nisha Sarwade
161	Password Authentication using Keystroke Biometrics Nathan D'Lima and Jayashri Mittal
190	Applying Human Computer Interaction to Individual Security using mobile application Surabhi Patil, Mansi Gala, Shraddha Save and Dhananjay Kalbande
86	Dynamic Sequence Number Thresholding Protocol for Detection of Blackhole attack in Wireless Sensor Network Abhijeet Salunke and Dayanand Ambawade
88	Mobile Authentication using Keystroke Dynamics Sudhir Dhage, Pranav Kundra, Anish Kanchan and Pratiksha Kap

Session 4	
Date : 17th January, 2015	
Timing : 2:00 p.m to 5:00 p.m.	
Track 2: Image / Video Processing	
Session Chair: Dr. J W Bakal	
Venue : Room No. 008	
Papers	
Id	Name
99	Augmentative and Alternative Communication Device Based on Eye-Blink Detection and Conversion to Morse-Code to Aid Paralyzed Individuals. Kingshuk Mukharjee and Devdatta Chatterji
290	A Novel Video Processing based Cost Effective Smart Trolley System for Supermarkets using FPGA Sudhir Rao Rupanagudi, Fathima Jabeen, Vaishnav Ram Savarni K R, Sindhu Adinarayana, Vinay K Bharadwaj, Karishma R and Varsha G Bhat
298	Image compression using Improvised Column based Thepade's Cosine Error Vector Rotation (TCEVR) Codebook generation in Vector Quantization Sudeep Thepade and Lokesh Katore
293	Novel Visual Content Summarization in Videos using Keyframe Extraction with Thepade's Sorted Ternary Block Truncation Coding and Assorted Similarity Measures Sudeep Thepade and Pritam Patil
295	Assessment of Similarity Measurement Criteria in Thepade's Sorted Ternary Block Truncation Coding (TSTBTC) for Content Based Video Retrieval Sudeep Thepade and Nalini Yadav
127	Tenth Order Envelope Moment Based SNR Estimation Technique Using Newton-Raphson Method for AWGN and Rician Channels Shweta Ghodeswar
85	Analysis of Half wave Converter in the Presence of Lossy Inductor Load using Fractional-order Models Ashwini Raorane, Mukesh Patil and Vishwesh Vyawahare

Session 4	
Date : 17th January, 2015	
Timing : 2:00 p.m to 5:00 p.m.	
Track 3 : Cloud Computing	
Session Chair: Dr.Vijaya Laxmi	
Venue : Room No. 403	
Papers	
Id	Name
226	Self Stabilizing K OUT OF L Exclusion Cloudlets for Mobile Devices Kamaldeep Nain
89	Efficient Load Balancing Scheduling Technique on Grid Computing Shafi Jindal, Rk Bansal and Savina Bansal
289	A Novel Cloud Computing based Smart Farming System for Early Detection of Borer Insects in Tomatoes Sudhir Rao Rupanagudi, Ranjani B. S. , Prathik Nagaraj, Varsha G Bhat and Thippeswamy G
204	Priority with Adaptive Data Migration in Case of Disaster using Cloud Computing Atesh Kumar, Saurabh Mishra and Aishwarya Mishra
159	Performance Comparison of Different Operating Systems in the Private Cloud with KVM Hypervisor Using SIGAR Framework P. Vijaya Vardhan Reddy and Lakshmi Rajamani
145	Investigation of suitable DSP Architecture for Efficient FPGA Implementation of FIR Filter Mahesh T. Kadam, Kishor G. Sawarkar and Sudhakar S. Mande
148	Towards the Performance Measurements of Private Cloud Akshay Rele and Sudhir Dhage
277	Deploying Eucalyptus Private Cloud With EBS Instance Karan Kamble and Kailas Devadkar