

Monday, 21 December 2015	
Session	Track 1: Biomedical Signals and Image Processing
Title	Biomedical Signals and Image Processing
Session Chair	Dr. Sujatha B M
Time	12:00 – 13:30
Hall	CR-5

- 1570219035 Time and Frequency Analysis of EEG Signals to Detect Sleep Disorder Breathing (SDB)
Mohd Maroof Siddiqui, Geetika Srivastava, Syed Saeed
- 1570219166 Hyper Spectral Images Restoration approach using LRMR and LDA
Surender Jangra, Swati Goel, Arvind Selwal
- 1570220564 Image Enhancement Using Combined ICA and PCA Based Filtering in HSV Domain
Nidhi Chahal, Sakshi Sharma
- 1570223453 Multimodal Biomedical Image Fusion: Use of log-Gabor and Guided filters with Non-subsampled Contourlet Transform
Nikhil Dhengre, Kishor Upla, Ronak Trivedi
- 1570223941 Prognosis of Epileptic seizures using EEG signal
Meenakshi Sood, Sunil Bhooshan

Monday, 21 December 2015	
Session	Track 2: Computer Graphics
Title	Computer Graphics
Session Chair	Dr. Ghanshyam Singh
Time	12:00 – 13:30
Hall	CR-6

- 1570215019 A New Hand Gesture Recognition Scheme for Similarity Measurement in a Vision Based Barehanded Approach
Kunal Chanda, Washef Ahmed, Soma Mitra
- 1570215126 Speech Controlled Robotics using Artificial Neural Network
Neha Joshi, Anil Chaudhary, Pavan Chakraborty, Rahul Kala
- 1570215611 Depth Filtering Using Total Variation Based Video Decomposition
Saumik Bhattacharya, Venkatesh K Subramanian, Sumana Gupta
- 1570216958 Energy Aware Diffusion in Wireless Sensor Networks
Ashok Kishtwal, Abhishek Gupta

Monday, 21 December 2015	
Session	Track 3: Computer Vision
Title	Computer Vision
Session Chair	Dr. Yashwant Singh
Time	12:00 – 13:30
Hall	CR-7

- 1570213736 Adaptive Pattern Attack Recognition Technique (APART) against EDoS Attacks in Cloud Computing

Rohit Thaper, Amandeep Verma

- 1570215081 Cut Scene Change Detection Using Spatio Temporal Video Frame
Rupesh Kumar, Sumana Gupta, Venkatesh K Subramanian
- 1570215489 Edge Distortion Removal in Depth Map Using Alpha Matting
Aarti Ghatkesar, Saumik Bhattacharya, Venkatesh K Subramanian
- 1570215761 LANDSAT Enhanced Thematic Mapper Plus Image Registration using SIFT
Sourabh Paul, Ujwal Durgam, Umesh Pati
- 1570216253 Remote Capturing of Water Meter Reading Using DSP Processor
Santosh Kashid, Sanjay Pardeshi, Sushil Sirsat, Vijaysinh Bonge
- 1570215659 Metric Based Efficiency Analysis of Educational ERP System Usability -Using Fuzzy Model
Anil Kumar, Reza Tadayoni, Lene Tolstrup Sorensen
- 1570218130 Emotion Recognition Based on Physiological Signals using Valence-Arousal Model
Saikat Basu, Nabakumar Jana, Arnab Bag, Manjunatha Mahadevappa, Jayanta Mukherjee, Somesh Kumar, Rajlakshmi Guha

Monday, 21 December 2015	
Session	Track 4: Image Processing
Title	Image Processing
Session Chair	Dr. Vivek Sehgal
Time	12:00 – 13:30
Hall	CR-8

- 1570223367 A Database of Printed Jawi Character Image
Khairun Saddami, Khairul Munadi, Fitri Arnia
- 1570205397 An Innovative Method of Text Steganography
Shashank Gupta, Rachit Jain
- 1570214088 Face Recognition for Cattle
Shrikant Tiwari, Santosh Tulsi, Sanjay Singh
- 1570214223 Binarization of Degraded Handwritten Documents based on Morphological Contrast intensification
Sekhar Mandal, Sugata Das, Amrit Agarwal, Bhabatosh Chanda
- 1570214435 Random-Valued Impulse Denoising using Sparse Regularizations
Bhabesh Deka, Maitrayee Handique, Sumit Datta
- 1570214853 A Lossless Data Hiding Method Based On Inverted LSB Technique
Vaishali Sharma, Rupali Bhardwaj

Monday, 21 December 2015	
Session	Track 5: Image Security & Forensics
Title	Image Security & Forensics
Session Chair	Dr. Amit Kr. Singh
Time	15:45-17:00
Hall	CR-5

- 1570214047 A new and efficient buyer-seller digital watermarking protocol using Identity based technique for copyright protection
Ashwani Kumar, Satya Prakash Ghrera, Vipin Tyagi
- 1570215099 A New LSB-S Image Steganography Method Blend with Cryptography for Secret Communication
Kamaldeep Joshi, Rajkumar Yadav
- 1570215590 Hilbert Curve Based Steganographic Scheme for Large Data Hiding
Sayantari Ghosh, Saumik Bhattacharya
- 1570216333 Analysis & Implementation of High Cascaded Integrated Comb for Software Defined Radios Application
Hansa Gupta, Rajesh Mehra
- 1570217106 Formalization Of Digital Forensic Theory By Using Buchi Automaton
Sumit Jalan, Pankaj Kumar, Suvrojit Das
- 1570220802 Content Delivery Networks- Insights and Recent Advancement
Darothi Sarkar, Nitin Rakesh, Krishn Mishra

Monday, 21 December 2015	
Session	Track 6: Pattern Recognition
Title	Pattern Recognition
Session Chair	Dr. Ravindara Bhatt
Time	15:45-17:00
Hall	CR-6

- 1570212387 Predicting Student Placements Using Bayesian Classification
Pratiyush Guleria, Manu Sood
- 1570214036 A DTW and Fourier Descriptor based approach for Indian Sign Language Recognition
Pushkar Shukla, Abhisha Garg, Kshitij Sharma, Ankush Mittal
- 1570215428 Development of a Kinect-Based Physical Rehabilitation System
Param Uttarwar, Deepak Mishra
- 1570218071 Non-Linear Distance Based Large Scale Data Classifications
Husam Al-Behadili, Arne Grumpe, Christian Dopp, Christian Wöhler
- 1570223561 Multi-Featured and Conditional Probability Analysis Model for Driving-Disability Identification
Kapil Juneja

Monday, 21 December 2015	
	Track 4: Image Processing
Title	Image Processing
Session Chair	Dr. Rajni Mohana
Time	15:45-17:00
Hall	CR-7

- 1570214910 Robust Digital Watermarking using Contourlet Transform for Coloured Images
Preeti Sharma, Pallvi Chawla

- 1570215261 Biometric Watermarking using Partial DCT-Walsh Wavelet and SVD
H. B. Kekre, Tanuja K. Sarode, Shachi Natu
- 1570215522 On-line Handwritten Gujarati Character Recognition Using Low Level Stroke
Chhaya Gohel, Mukesh M Goswami, Vishal Prajapati
- 1570215592 Image Fusion on digital images using Laplacian Pyramid with DWT
Harmandeep Kaur, Jyoti Rani
- 1570218125 Image Registration in Presence of Multiplicative Noise by Particle Swarm Optimization
Haradhan Chel, Debashis Nandi, Prabin Kumar Bora
- 1570214842 Posture Recognition For Safe Driving
Rajeev Gupta, Anil Chaudhary, Mangal Raj, Anupam Agrawal

Monday, 21 December 2015	
Session	Track 4: Image Processing
Title	Image Processing
Session Chair	Dr. Shailendra shukla
Time	15:45-17:00
Hall	CR-8

- 1570217590 Scale-invariant feature transform based Lesion Detection on CT Lung Images
Gurpreet Kaur, Navneet Kaur
- 1570218068 Novel method for automatic generation of fundus mask
Santhakumar Ramamoorthy, Elagiri Ramalingam Rajkumar, Megha Tandur, Geetha K s,
Kumar Rajamani, Girish Haritz
- 1570218086 Modified Demons Registration for Highly Deformed Medical Images
Bandana Mishra, Umesh Pati, Usha Sinha
- 1570218098 An Adaptive Threshold based FPGA Implementation for Object and Face Detection
sateesh Kumar H C, Sayantam Sarkar, Satish Bhairannawar, Raja KB, Venugopal KR
- 1570218100 On Block Compressed Sensing far end reconstruction using OFDM
Abhishek Kashyap, Ankita Pramanik, Santi Prasad Maity

Tuesday, 22 December 2015	
Session	Track 3: Computer Vision
Title	Computer Vision
Session Chair	Dr. Meenakshi Arya
Time	11:45 – 13:00
Hall	CR-5

- 1570217189 Face Recognition Accuracy Enhancement in Consumer Devices
Prabindh Sundareson, Tanushree Gupta
- 1570218061 Investigation of Energy Efficient Routing Parameters & Protocols
Madan Mohan Agarwal, Mahesh Chandra Govil, Madhavi Sinha
- 1570218079 A QoS-based service discovery using meta-heuristic optimization in Federated Cloud
Vivek Gaur, Praveen Dhyani, Om Prakash

- 1570218145 A New Method for Calibration of Range Sensor and Terrain Classification
Mahesh Kumar Singh, Venkatesh K Subramanian, Ashish Dutta
- 1570218148 A real-time ball trajectory follower using Robot Operating System
Himanshi Yadav, Siddharth Srivastava, Prerana Mukherjee, Bresh Lall
- 1570212686 Application of Sparse Coding in Crater Classification
Savita R Gandhi, Suchit Purohit

Tuesday, 22 December 2015	
Session	Track 4: Image Processing
Title	Image Processing
Session Chair	Vishwambhar Pathak
Time	11:45 – 13:00
Hall	CR-6

- 1570218119 Detection of Sudoku Puzzle using Image Processing and Solving by Backtracking, Simulated Annealing and Genetic Algorithms: A Comparative Analysis
Snigdha Kamal, Simarpreet Chawla, Nidhi Goel
- 1570215681 Hierarchical Classification and Grading of Diabetic Macular Edema using Texture Features
Shrey Magotra, Aditya Kunwar, Namita Sengar, Partha Mangipudi, Malay Kishore Dutta
- 1570218142 Optimized Face Recognition Algorithm using Spatial and Transform Domain Techniques
Sujatha B M, K Suresh Babu, K B Raja, Venugopal K R
- 1570218421 Second Generation Wavelet Transform based Biometric [Iris] Watermarking for Image Authentication using Gabor Feature Extraction
Meenakshi Arya, Payal Goyal
- 1570219476 Novel generalized workflow for cell counting
Madhavi Rao, Kumar Rajamani, Thennarsu Palanisamy, Kaushal Narayan, Rajeshkumar Chinnadorai

Tuesday, 22 December 2015	
Session	Track 5: Image Security & Forensics
Title	Image Security & Forensics
Session chair	Dr. Sujatha B M
Time	11:45 – 13:00
Hall	CR-7

- 1570217862 Two New Approaches for Image Steganography Using Cryprography
Vipul Sharma, Madhu Sudan
- 1570218070 Secure E-Governance: From Observation to Policy Formulation
Saibal Sarkar, Suvrojit Das
- 1570220541 Hardware Co-Simulation of an AES-128 bit based Image Encryption and Decryption Schemes with Xilinx System Generator
Niharika Agrawal, Kusum Lata
- 1570220568 FKP based personal authentication using SIFT features extracted from PIP joint

- Gauarv Jaswal, Ravinder Nath, Amit Kaul
- 1570222105 Cluster-based Coordinated Checkpointing Protocol in Wireless Ad-hoc Networks
Jawahar Thakur, Arvind Kalia, Lalit Awasthi
- 1570220813 Novel Approach for Task Mapping to Virtual Machine
Neeru Chauhan, Nitin Rakesh, Rakesh Matam
- 1570220860 Proportional Study of WSN Protocols (LEACH, PEGASIS and TEEN)
Abdul Khan, Nitin Rakesh, Abhay Bansalz

Tuesday, 22 December 2015	
Session	Track 6: Pattern Recognition
Title	Pattern Recognition
Session Chair	Dr. Yashwant singh
Time	11:45 – 13:00
Hall	CR-8

- 1570217371 Efficient Feature Extraction using DCT for Gender Classification
Anjali Goel, Virendra P. Vishwakarma
- 1570217753 Real-time Security Solution for Automatic Detection and Tracking of Intrusion
Debesh Bar, Dhruv Pandem, Manveer Sandhu, Vikas Upadhyaya
- 1570215664 A vision based Human-Elephant collision detection system
Pushkar Shukla, Isha Dua, Ankush Mittal
- 1570217906 Extreme Learning Machine based Novelty Detection for Incremental Semi-Supervised Learning
Husam Al-Behadili, Arne Grumpe, Christian Dopp, Christian Wöhler
- 1570223565 WSF-RBF Based Mining Model to Identify Eye-Glasses Worn People from Face-Images Pool
Kapil Juneja

Tuesday, 22 December 2015	
Session	Track 3: Computer Vision
Title	Computer Vision
Session Chair	Dr. Bhabesh Deka
Time	15:45-17:00
Hall	CR-5

- 1570218149 Automated Ball Tracking in Tennis Videos
Tayeba Qazi, Prerana Mukherjee, Siddharth Srivastava, Brejesh Lall, Nathi Ram
- 1570219423 Detection of Forest Fires using Machine Learning Technique: A Perspective
Aditi Kansal, Yashwant Singh, Nagesh Kumar, Vandana Mohindru
- 1570220111 Bharatnatyam Adavu Recognition From Depth Data
Geetanjali Kale, Varsha Hemant Patil
- 1570220599 Still Image processing Techniques for Intelligent Traffic Monitoring
Dinkar Sitaram, Nirupama Padmanabha, Shibani S, Supriya S
- 1570221692 Power Aware Resource Virtual Machine Allocation Policy for Cloud Infrastructure

Ravi Jha, Punit Gupta

Tuesday, 22 December 2015	
Session	Track 4: Image Processing
Title	Image Processing
Session Chair	Dr. Rajni Mohana
Time	15:45-17:00
Hall	CR-6

- 1570219911 Highly Optimized Selected Mapping Based Peak to Average Power Ratio Reduction OFDM System using Different Modulation Schemes
Prabal Gupta, Rajiv Singh
- 1570220534 Algorithm for De-noising of color Images based on Median Filter
Ashwani Kumar Yadav, Ratandeep Roy, Rajkumar Yadav, Cheruku Kumar, Praveen Archek
- 1570220673 A new Image Processing Technique for the Detection and Staging of Lung Cancer in CT scan using Tumor Node Metastasis(TNM) Staging System
Sasidhar Bola, Ramesh Babu, Ravishankar M, Geetha G
- 1570220680 An Efficient PAPR Reduction Scheme for OFDM System using Peak Windowing and Clipping
Rajiv Singh, Maniraguha Fidele
- 1570217051 An Approach Toward the Optimization of Witness Based Node Clone Attack
Balmukund Mishra, Yashwant Singh

Tuesday, 22 December 2015	
Session	Track 2: Computer Graphics
Title	Computer Graphics
Session Chair	Dr. Shailendra Shukla
Time	15:45-17:00
Hall	CR-7

- 1570217883 An improved DCT-based Phase Correlation Method for Image Mosaicing
Achala Pandey, Umesh Pati
- 1570220716 A Web-Based Bilingual Natural Language Interface to Database
Munisha Choudhary, Mohit Dua, Zorawar S Virk
- 1570221838 A FPGA based System for Measuring Vector Cosine Angle Distance between Three Color Channels of RGB Image
Santanu Halder, Abul Hasnat, Debotosh Bhattacharjee, Mita Nasipuri
- 1570232110 DC Scanner: Detecting phishing attack
Binay Kumar, Pankaj Kumar, Ankit Mundra, Shikha Kabra

Tuesday, 22 December 2015	
Session	Track 4: Image Processing
Title	Image Processing

Session Chair	Dr. Ravindara Bhatt
Time	15:45-17:00
Hall	CR-8

- 1570220849 A Hybrid Approach For Feature Selection
Sadhana Tiwari, Birmohan Singh
- 1570220851 A Comparative study of Modified Crossover Operators
Anju Bala, Aman Sharma
- 1570221212 An Alternative Approach to Detect the Presence of Schistosoma Haematobium Infection in Affected Regions of Benue State-Nigeria
Sarvraj Ranhotra, Nikita Soni
- 1570223417 Optimizing Luminance and chrominance filtered channels by binary genetic algorithm to generate color halftone images
Pritha Das, Kanai Paul, Arpitam Chatterjee

Wednesday, 23 December 2015	
Session	Track 4: Image Processing
Title	Image Processing
Session Chair	Dr. Pardeep Kumar
Time	11:45 – 13:00
Hall	CR-5

- 1570225457 IoT based Power Efficient System Design using Automation for Classrooms
Anisha Gupta, Punit Gupta, Jasmeet Chhabra
- 1570228457 A study on segmentation of Renal Scintigraphy using Level Sets Algorithm
Shiva Amruthavakkula, S Siva Sankar Sai, Kumar Rajamani, Siva Subramaniyan
Viswanathan
- 1570223493 Convolution based Face Recognition using DWT and Feature Vector Compression
Ganapathi Sagar, Sanita Barker, K B Raja, K suresh Babu, Venugopal K R
- 1570220696 An Optical Character Recognition Machine Printed Oriya Script
Aditya Raj
- 1570220845 Reconsidering the Cloud approach towards VANET Communication
Arjun Arora, Nitin Rakesh, Krishn Mishra

Wednesday, 23 December 2015	
Session	Track 5: Image Security & Forensics
Title	Image Security & Forensics
Session Chair	Dr. Nitin Rakesh
Time	11:45 – 13:00
Hall	CR-6

- 1570222244 Push Notification as a Business Enhancement Technique for E-commerce
Arvind Kumar, Suchi Johari
- 1570224505 A Survey on Issues of concern in Software Defined Networks
Nishtha Kapoor, Manu Sood

- 1570227176 Evaluation of Image Forensic Cues for Fusion
Mandeep Kaur, Savita Gupta
- 1570220856 Search Engine Optimization: Success Factors
Swati Gupta, Nitin Rakesh, Abha Thakral, Dev Chaudhary
- 1570228464 Efficient Nystrom method for Low Rank Approximation and Error Analysis
Lokendra Singh Patel, Suman Saha, Satya Prakash Ghrera
- 1570228465 Distributed and Time Efficient Ranking System
Ashish Rawat, Suman Saha, Satya Prakash Ghrera
- 1570220821 Coding Strategies to Avoid Data Loss in Cloud Storage Systems
Swati Singal, Nitin Rakesh, Rakesh Matam

Wednesday, 23 December 2015	
Session	Track 6: Pattern Recognition
Title	Pattern Recognition
Session Chair	Dr. Amit Kumar Singh
Time	11:45 – 13:00
Hall	CR-7

- 1570218154 Dynamic Background Subtraction using Local Binary Pattern and Histogram of Oriented Gradients
Deepak Panda, Sukadev Meher
- 1570216797 A Framework for Hand Gesture Recognition based on fusion of Flex, Contact and Accelerometer Sensor
Gaurav Chitranshi, Vishal Pathak, Sushant Mongia
- 1570223564 A Dynamic Segment Based Statistical Derived PNN Model for Noise Robust Speech Recognition
Kapil Juneja
- 1570218072 Neuronal Feature Extraction Through Autonomous Segmentation using Density Conscious Artificial Immune Algorithm
Vishwambhar Pathak, Praveen Dhyani
- 1570226491 LSB Modification based Audio Steganography using Trusted Third Party Key Indexing Method
Vipul Sharma, Ravinder Thakur
- 1570218095 Statistical Speech Segregation Using the Developed k-means of Audio Feature
Hasan Almgotir Kadhim, Wai Lok Woo, Satnam Dlay

Wednesday, 23 December 2015	
Session	Track 3: Computer Vision
Title	Computer Vision
Session Chair	Dr. Ghanshyam Singh
Time	11:45 – 13:00
Hall	CR-8

- 1570220797 Capturing the Spied Image-Video Data Using a Flexi-Controlled Spy-Robot

Tushar Maheshwari, Upendra Kumar, Chaitanya Nagpal, Chandrakant Ojha, Vinay Kumar Mittal

1570221685 Power Aware Resource allocation Policy for Hybrid Cloud
Punit Gupta, Ravi Jha

1570220781 Autonomous Visual Tracking and Landing of a Quadrotor on a Moving Platform
Juhi Ajmera, Siddharthan Rajasekaran, Ramaravind Kommiya Mothilal, Gautham Vasam, Naresh Balaji, Velupillai Sankaranarayanan

1570223439 Proposed Algorithms for Effective Real Time Stream Analysis in Big Data
Nishant Agnihotri, Aman Sharma

1570220840 Wireless Body Control Module
Garv Modwel, Nitin Rakesh, Krishn Mishra

Wednesday, 23 December 2015	
Session	Track 6: Poster Presentation (For short Papers)
Title	Poster Presentation
Coordinator(s)	Dr. Satya Prakash Ghrera, Dr. Hemraj Saini and Dr. Shailendra Shukla
Time	14:00 – 16:00
Hall	0th Floor

- 1570217786 Image Content Modeling and Retrieval Using Sparse Representation
Raju Ranjan, Sumana Gupta, Venkatesh K Subramanian
- 1570218056 Evaluation of Cost Function for the Oct Tree Segmentation of Video Cube
Rupesh Kumar, Sumana Gupta, Venkatesh K Subramanian
- 1570219907 Texture Modeling And Labeling Using Divide And Conquer
Raju Ranjan, Sumana Gupta, Venkatesh K Subramanian
- 1570220559 A New Next Best View Method For 3D Modeling of Unknown Objects
Mahesh Kumar Singh, Venkatesh K Subramanian, Ashish Dutta
- 1570213696 Image processing for mango ripening stage detection: RGB and HSV method
Rahul Pralhad Salunkhe, Aniket Patil
- 1570218248 An Image-Compression Decomposition Analysis of Sub-Bands using Threshold Implementation
Sukant Vats, Geetanjali Rathee
- 1570217586 Lane Departure Warning System based on Hough Transform and Euclidean distance
P. Bhujbal, Sandipan Narote
- 1570215580 Double Handed Indian Sign Language to Speech and Text
Kusumika Krori Dutta, Satheesh Kumar Raju Konduru, Anil Kumar, B Sunny Arokia Swamy
- 1570221090 Indian Sign Language gesture classification as Single or Double Handed Gestures
Akanksha Singh, Saloni Arora, Pushkar Shukla, Ankush Mittal
- 1570217671 Gender Classification for Digital Signage Solutions using Facial Images
Vinitha Selvaraj
- 1570220838 A Comparison Study on Vision Based Manipulation
S Kansal, Sudipto Mukherjee