



## 6th IEEE International Advance Computing Conference (IACC-2016)

February 27-28, 2016

Bhimavaram-534204, Andhra Pradesh, India

Organized by IEEE Computer Society - India Council

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S R K R Engineering College, Bhimavaram, India

<b>Day 1 : Saturday, 27 February, 2016</b>
<b>Breakfast and Networking ( 07:30 AM – 09:00 AM )</b>
<b>Registration ( 08:00 AM – 09:30 AM )</b>
<b>Inauguration (9.30 AM to 10.30 AM)   Open Auditorium</b>
<b>Tea and Networking (10.30 AM to 11.00 AM)</b>
<b>Key Note Address 1 (11.00 AM to 11.30AM)   Open Auditorium</b>
<b>Key Note Address 2 (11.30 AM to 12.00PM)   Open Auditorium</b>
<b>Invited Talk 1 (12.00 PM to 12.30PM)   Open Auditorium</b>
<b>Invited Talk 2 (12.30 PM to 1.00PM)   Open Auditorium</b>
<b>Lunch and Networking ( 01:00 PM - 02:00 PM)</b>
<b>Paper Presentation Session 1 (Parallel)( 02:00 PM – 03:30 PM )</b>
<b>Session 1A ( 02:00 PM – 03:30 PM )   Lecture Hall, Ground Floor, Dept. of Mech. Engg.</b>
<b>Session 1B ( 02:00 PM – 03:30 PM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.</b>
<b>Session 1C ( 02:00 PM – 03:30 PM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.</b>
<b>Session 1D ( 02:00 PM – 03:30 PM )   Seminar Hall, Second Floor, Dept. of Mech. Engg.</b>
<b>Session 1E ( 02:00 PM – 03:30 PM )   Seminar Hall, First Floor, Dept. of Civil Engg.</b>
<b>Session 1F ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, Dept. of Civil Engg.</b>
<b>Session 1G ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, Wet Center, Dept. of Civil Engg.</b>
<b>Session 1H ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, Dept. of CSE</b>
<b>Session 1I ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, Dept. of CSE</b>
<b>Session 1J ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, Dept. of CSE</b>
<b>Session 1K ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, General Computer Center</b>
<b>Tea and Networking ( 03:30 PM - 04:00 PM)</b>

<b>Paper Presentation Session 2 (Parallel)( 04:00 PM – 06:00 PM )</b>
Session 2A ( 04:00 PM – 06:00 PM )   Lecture Hall, Ground Floor, Dept. of Mech. Engg.
Session 2B ( 04:00 PM – 06:00 PM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.
Session 2C ( 04:00 PM – 06:00 PM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.
Session 2D ( 04:00 PM – 06:00 PM )   Seminar Hall, Second Floor, Dept. of Mech. Engg.
Session 2E ( 04:00 PM – 06:00 PM )   Seminar Hall, First Floor, Dept. of Civil Engg.
Session 2F ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, Dept. of Civil Engg.
Session 2G ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, Wet Center, Dept. of Civil Engg.
Session 2H ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, Dept. of CSE
Session 2I ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, Dept. of CSE
Session 2J ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, Dept. of CSE
Session 2K ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, General Computer Center
<b>Felicitations to Guests( 06:00 PM – 06:30 PM )</b>
<b>Cultural Programs ( 06:30 PM – 07:30 PM )</b>
<b>Networking Dinner ( 07:30 PM Onwards)</b>



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<b>Day 2 : Sunday, 28 February, 2016</b>
<b>Breakfast and Networking ( 07:30 AM – 09:00 AM )</b>
<b>Paper Presentation Session 3 (Parallel)( 08:30 AM – 11:00 AM )</b>
Session 3A ( 08:30 AM – 11:00 AM )   Lecture Hall, Ground Floor, Dept. of Mech. Engg.
Session 3B ( 08:30 AM – 11:00 AM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.
Session 3C ( 08:30 AM – 11:00 AM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.
Session 3D ( 08:30 AM – 11:00 AM )   Seminar Hall, Second Floor, Dept. of Mech. Engg.
Session 3E ( 08:30 AM – 11:00 AM )   Seminar Hall, First Floor, Dept. of Civil Engg.
Session 3F ( 08:30 AM – 11:00 AM )   Lecture Hall, First Floor, Dept. of Civil Engg.
Session 3G ( 08:30 AM – 11:00 AM )   Lecture Hall, First Floor, Wet Center, Dept. of Civil Engg.
Session 3H ( 08:30 AM – 11:00 AM )   Lecture Hall, First Floor, Dept. of CSE
Session 3I ( 08:30 AM – 11:00 AM )   Lecture Hall, First Floor, Dept. of CSE
Session 3K ( 08:30 AM – 11:00 AM )   Lecture Hall, First Floor, General Computer Center
<b>Tea and Networking( 11:00 AM – 11:30 AM )</b>
<b>Invited Talk 3 (11.30 AM to 12.00PM)   Open Auditorium</b>
<b>Valedictory ( 12:00 PM – 1:00 PM )</b>
<b>Lunch and Networking ( 01:00 PM Onwards)</b>



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### Paper Presentation Schedule | Day 1 : Saturday, 27 February, 2016

<b>Paper Presentation Session 1A ( 02:00 PM – 03:30 PM )   Lecture Hall, Ground Floor, Dept. of Mech. Engg.</b>
Parallel Histogram Calculation for FPGA
<i>Krishna Swaroop Gautam</i>
Design of Stego-Linearizer in HPA Linearization
<i>J.N. Swaminathan and P. Kumar</i>
Design and Implementation of Data Acquisition System for EEG Analysis
<i>V. Nageshwar, Y. Padmasai, and K. Subba Rao</i>
An Optimal Content Matcher for Accurate Human Recognition in Multimodal Biometric Systems
<i>Madhavi Gudavalli, S. Viswanadha Raju, and B. Chandrasekhar</i>
A Fast Hardware based Hidden Markov Model Predictor for Cognitive Radio
<i>Tanumay Manna and Iti Saha Misra</i>
Multi-Number CVT-XOR Arithmetic Operations In Any Base System And Its Significant Properties
<i>Jayanta Kumar Das, Pabitra Pal Choudhury, and Sudhakar Sahoo</i>

<b>Paper Presentation Session 1B ( 02:00 PM – 03:30 PM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.</b>
Children Location Monitoring on Google Maps using GPS and GSM Technologies
<i>Dhiraj Sunehra, Pottabathini Laxmi Priya, and Ayesha Bano</i>
Multihop energy enhancement protocol
<i>Maninder Jeet Kaur and Avinash Jethi</i>
A Novel Cluster Head Selection Algorithm for Energy-Efficient Routing in Wireless Sensor Network
<i>Suparna Biswas, Jayita Saha, Tanumoy Nag, Chandreyee Chowdhury, and Sarmistha Neogy</i>
Energy Efficient Routing Protocol in Forest Fire Detection System
<i>V. Devadevan and S. Suresh</i>
Development of an evolutionary framework for autonomous rule creation for intrusion detection
<i>Sunitha Guruprasad and Rio D'Souza</i>
Big Spectrum Data Analysis in DSA enabled LTE-A Networks: A System Architecture
<i>Sasirekha GVK and Subramanyeswara Rao Dasari</i>

<b>Paper Presentation Session 1C ( 02:00 PM – 03:30 PM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.</b>
Data Aggregation over Geographical Area Coverage in Wireless Adhoc and Sensor Networks
<i>C.N. Abhilash, S.V. Venkatesh, S.H. Manjula, and K.R. Venugopal</i>
A second order cybernetic model for governance of cyber security in Enterprises
<i>T. Vinnakota</i>
Wireless Sensor Based Handy Patient Monitoring System
<i>Neha R. Pandya, Vitthal K. Bhosale, and Rajesh M. Autee</i>
On Composition of SOAP Based and RESTful Services
<i>Urjita Thakar, Amit Tiwari, and Sudarshan Varma</i>
Secured Cloud Computing using User Classification and Bilinear Diffie-Hellman Schema
<i>G. Kalpana, P.V. Kumar, and R.V. Krishnaiah</i>
An Efficient Secure Data Aggregation Technique for Internet of Things Network
<i>Sagi Sai Sruthi and G. Geethakumari</i>

<b>Paper Presentation Session 1D ( 02:00 PM – 03:30 PM )   Seminar Hall, Second Floor, Dept. of Mech. Engg.</b>
Refactoring Cost Estimation (RCE) Model for Object Oriented System
<i>Ankit B. Desai and Jekishan K. Parmar</i>
Suitability of Genetic Algorithm and Particle Swarm Optimization for Eye Tracking System
<i>J. Amudha and K.R. Chandrika</i>
A New Random Search Algorithm: Multiple Solution Vector Approach
<i>Sankar Peddapati and K.K. Phanisri Kruthiventi</i>
Optimization of PV System using Particle Swarm Algorithm under Dynamic Weather Conditions
<i>Pallavi T. Sawant and C.L. Bhattar</i>
Algorithm to Identify Enamel Caries and Interproximal Caries Using Dental Digital Radiographs
<i>Shubhangi Vinayak Tikhe, Anjali Milind Naik, Sadashiv D. Bhide, T. Saravanan, and K.P. Kaliyamurthie</i>
Understanding of Genetic Code Degeneracy and New Way of Classifying of Protein Family: A Mathematical Approach
<i>Jayanta Kumar Das, Atrayee Majumder, Pabitra Pal Choudhury, and Biswarup Mukhopadhyay</i>

<b>Paper Presentation Session 1E ( 02:00 PM – 03:30 PM )   Seminar Hall, First Floor, Dept. of Civil Engg.</b>
Hand Gestures and Speech Mapping of a Digital Camera For Differently Abled
<i>Arun Kumar and Anurag Pandey</i>
Comparison Analysis Of A Biomedical Image For Compression Using Various Transform Coding Techniques
<i>K.N. Shruthi, B.M. Shashank, Y. Saikrishna Saketh, H.S. Prasantha, and S. Sandya</i>
Detection and Reduction of High Frequency Non-stationary Vehicular Engine Noise using single microphone
<i>Phani Kumar Nyshadham, Niranjan Avadhanam, Sreekanth Nakkala, and D.R. Shivakumar</i>
Measurement of the Zone of Inhibition of an Antibiotic
<i>H.S. Bhargav, Sachin D. Shastri, S.P. Poornav, K.M. Darshan, and Mahendra M. Nayak</i>
Vectorization and optimization of fog removal algorithm
<i>Krishna Swaroop Gautam, Abhishek Kumar Tripathi, and M.V. Srinivasa Rao</i>

<b>Paper Presentation Session 1F ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, Dept. of Civil Engg.</b>
Parametric studies on motion intensity factors in a Robotic Welding using Speech Recognition
<i>Ande Stanly Kumar, K. Mallikarjuna, A. Bala Krishna, P.V.R.D. Prasad, and M.S.V.S.B. Raju</i>
Taxonomy of Satellite Image and Validation Using Statistical Inference
<i>D. Rajyalakshmi, K. Kishore Raju, and G.P. Saradhi Varma</i>
Contrast Preserving Tone Reproduction For High Dynamic Range Images
<i>Shubham Jaiswal and Abhishek Kumar Tripathi</i>
Performance Analysis of Artificial Neural Networks for Cardiac Arrhythmia Detection
<i>Nasreen Sultana, Yedukondalu Kamatham, and Bhavani Kinnara</i>
A RGB-HSI Conversion Based Model to Map the Colour Perception Into Audio Equivalent to Assist Visually Impaired Persons
<i>Anupkumar Palsokar and C.S. Warnekar</i>
A Correlation based Band Selection Approach for Hyperspectral Image Classification
<i>Sonia Sarmah and Sanjib Kumar Kalita</i>

<b>Paper Presentation Session 1G ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, Wet Center, Dept. of Civil Engg.</b>
Text Manipulation Using Regular Expression
<i>S. Biswas, D. Sengupta, R. Bhattacharjee, and M. Handique</i>
Ontology based System for Pests and Disease Management of Grapes in India
<i>Archana Chougule, Vijay Kumar Jha, and Debajyoti Mukhopadhyay</i>
Feature Extraction of Time series data for Wind Speed Power generation
<i>Manju Khanna, N.K. Srinath, and J.K. Mendiratta</i>
Realizing Students' Understanding through Rule Based Reasoning
<i>Vrajesh Pankaj Doshi and Bidisha Roy</i>
Microaneurysms Extraction with vessel Neighborhood separation, SVM and connected component extraction
<i>S. Srinivasa Reddy, K.N. Prakash, and P.V.V. Kishore</i>
Clustering of Instruments in Carnatic Music for Content based Information Retrieval
<i>Surendra Shetty and Sarika Hegde</i>

<b>Paper Presentation Session 1H ( 02:00 PM – 03:30 PM )   Lecture Hall, First Floor, Dept. of CSE</b>
Influence of Token Similarity Measures for Semantic Textual Similarity
<i>V. Sowmya, B. Vishnu Vardhan, and M.S.V.S. Bhadri Raju</i>
Analysis of k-fold cross-validation over hold-out validation on colossal datasets for quality classification
<i>Sanjay Yadav and Sanyam Shukla</i>
A generic model for Natural Language Interface to Database
<i>B. Sujatha and S. Viswanadha Raju</i>
Enhancement of AWiFS Spatial Resolution with SVM Learning
<i>K.S.R. Radhika, C.V. Rao, and V. Kamakshi Prasad</i>
The Research of Preprocessing and Pattern Discovery Techniques on Web Log files
<i>P. Dhanalakshmi, K. Ramani, and B. Eswara Reddy</i>
Extracting product features from reviews using Feature Ontology Tree applied on LDA topic clusters
<i>D. Teja Santosh, B. Vishnu Vardhan, and D. Ramesh</i>

**Paper Presentation Session 1I ( 02:00 PM – 03:30 PM ) | Lecture Hall, First Floor, Dept. of CSE**

Analysis of Attentive Dynamic Load Balancing Algorithm to Improve the Performance of Distributed Systems

*Abhishek P. Nachankar, Nilesh S. Korde and Ajay A. Jaiswal*

Flow Based Wireless Intrusion Detection System

*Rahul Adhao and Vinod Pachghare*

Combining Automatic Thresholding and Color model based Image Segmentation

*Akshay Isalkar and Ketan Bodhe*

Prolonging sensor network lifetime through Distance Based Clustering Scheme (DBCS)

*Arun L. Kakhandki, Shivaraj Hublikar, Avinash V. and Priyatam kumar*

Study of PAPR Reduction in OFDM System Using Different Companding Techniques

*Jagarlamudi Ravisankar*

Performance analysis between CAN based ECU and normal ECU

*R. B Shettar, Ramakrishna Joshi and Prithviraj Kadiyala*

Wavelet Transform Based Similar Image Retrieval From Database

*P. V. Rama Raju, G. Naga Raju and Mallela Chanti*

**Paper Presentation Session 1J ( 02:00 PM – 03:30 PM ) | Lecture Hall, First Floor, Dept. of CSE**

Visual Cryptography and its Implications: Research Allied Literature Study

*Kukatlapalli Pradeep Kumar and Ravindranath C Cherukuri*

SQRT Root Carry Select Adder Using Zero Detection Circuit to Reduce Cell Area and Total Power Consum

*Neelima V*

A 2260 GOPS High-Performance and High-Precision Sub-Pixel Motion Estimator-Interpolator for Real-Time 8K UHD TV for HEVC coding in Next Generation Wireless Multimedia Applications

*Mani Laxman Aiyar and Ramesha Kenchappa*

A Comparative Study of Heart Disease Prediction System using Associative Classification and Genetic Algorithm

*B. Kranthi Kiran*

Combined Orientation Histogram and Statistical (COHST) Features Based ASL Alphabets and Numbers Reco

*Asha Thalange and Shantanu Dixit*

A Review on the State-of-the-Art Privacy Preserving Searching Approaches on Encrypted Cloud Data

*Veerraju Gampala and Sreelatha Malempati*

Solution to Make DELFA More Reliable Algorithm

*Shruti B.V and Mrinal Sarvagya*

**Paper Presentation Session 1K ( 02:00 PM – 03:30 PM ) | Lecture Hall, First Floor, General Computer Center**

Discovery of Neighbours in Wireless Networks with Energy Efficient Approach

*Ruhi B. Ghormade, Sachin Magar, and Bharti Joshi*

Comparative Study of Feature Subset Selection Methods for Dimensionality Reduction on Scientific Data

*D. Lakshmi Padmaja and B. Vishnuvardhan*

Identification of Recurring Patterns of code to Detect Structural Clones

*Harpreet Kaur and Raman Maini*

OntoSecure: A Semantic Web Based tool for Network Security Status Prediction

*Pardeep Bhandari and Manpreet Singh*

OpenERP/Odoo – An Open Source Concept to ERP Solution

*Amal Ganesh, K.N. Shanil, C. Sunitha, and A.M. Midhundas*



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Paper Presentation Schedule | Day 1 : Saturday, 27 February, 2016

<b>Paper Presentation Session 2A ( 04:00 PM – 06:00 PM )   Lecture Hall, Ground Floor, Dept. of Mech. Engg.</b>
Implementation of Cubic Spline Interpolation on Parallel Skeleton using Pipeline Model on CPU-GPU Cluster <i>Prasant Kumar Mohanty, Motahar Reza, Piyush Kumar, and Praveen Kumar</i>
A Comparative Study of Software Architectures for Embedded Mission Critical Applications <i>Madhavi Ponnappalli and P.V.R.R. Bhogendra Rao</i>
Statistical Machine Translation System for Indian Languages <i>B.N.V. Narasimha Raju and M.S.V.S. Bhadri Raju</i>
Fault Tolerance QoS Routing Protocol for MANETs <i>M.L. Ravi Chandra and P. Chandra Sekhar Reddy</i>
A Comparison of Trust in MANETs and WSNs <i>Vijender Busi Reddy, Atul Negi, and S. Venkataraman</i>
Fast Acquisition of GPS Signal using Radix-2 and Radix-4 FFT Algorithms <i>Shaik Fayaz Ahamed, Ganesh Laveti, Rajkumar Goswami and G. Sasibhushan Rao</i>
Detecting hole boundary nodes in WSN under distributed environment <i>S. Patra and B. Sau</i>
Hybrid Single Sign-On Protocol For Lightweight Devices <i>Payal Sharma and Vikas Kumar Sihag</i>
<b>Paper Presentation Session 2B ( 04:00 PM – 06:00 PM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.</b>
Quantum Cryptography and Quantum Key Distribution Protocols: A Survey <i>V. Padamvathi, B. Vishnu Vardhan, and A.V.N. Krishna</i>
Private Network forming Routing Protocol for Adhoc Networks <i>U.B. Nagesh</i>
Traffic Grooming in Hybrid Optical-wireless Mesh Networks using Knapsack Based Light trail approach <i>Deepa Naik, Soumyadeb Maity, and Tanmay De</i>
A Hybrid Semi-Fragile Image Watermarking Technique using SVD-BND Scheme for Tampering Detection with Dual Authentication <i>Koyi Lakshmi Prasad, T.Ch. Malleswara Rao, and V. Kannan</i>
Mobile Collector aided Energy Reduced (MCER) Data Collection in Agricultural Wireless Sensor Networks <i>T.H. Feiroz Khan and D. Siva Kumar</i>
Efficient Certificateless Signature Scheme with Provable Security <i>N.B. Gayathri and P. Vasudeva Reddy</i>
A Novel Block-Cipher Mechanism for Information Security in Cloud System <i>M. Ramesh, B. Hemantha Kumar, and A. Srinagesh</i>



<b>Paper Presentation Session 2C ( 04:00 PM – 06:00 PM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.</b>
A Safeguard against ATM Fraud
<i>Shweta Sankhwar and Dharendra Pandey</i>
Asynchronous Implementation of Reversible Image Watermarking Using Mousetrap Pipelining
<i>H.R. Lakshmi and B. Surekha</i>
Distance Based Multi Single Hop Low Energy Adaptive Clustering Hierarchy (MS LEACH) Routing Protocol in Wireless Sensor Network
<i>Takhellambam Sonamani Singh, Ranbir Soram, and Ajoy Kumar Khan</i>
A Framework for Network Intrusion Detection in Cloud
<i>Md Tarique Prwez and Kakali Chatterjee</i>
A Simple Cluster Based Damage Sensing Method - for Structural Health Monitoring Applications
<i>A. Thyagaraja Murthy and Sudarshan Patil Kulkarni</i>
TCP over on-board IP networks with high bit error rate and frequent link outages
<i>A. Vishnuvardhan Reddy, D. Kavitha, and N. Kasiviswanath</i>
Tracking of RFID tags in a sensing covered anchor-free network of RFID readers
<i>A. Dey and B. Sau</i>

<b>Paper Presentation Session 2D ( 04:00 PM – 06:00 PM )   Seminar Hall, Second Floor, Dept. of Mech. Engg.</b>
Automatic Segmentation of Optic Disk in Retinal Images using DWT
<i>Sangita Dhondiba Bharkad</i>
Desisting the Fraud in India's Voting Process through Multi Modalbiometrics
<i>P. Vidyasree, S. Viswanadha Raju, and G. Madhavi</i>
A Critical Study of Classification Algorithms Using Diabetes Diagnosis
<i>Panigrahi Srikanth and Dharmiah Deverapalli</i>

<b>Paper Presentation Session 2E ( 04:00 PM – 06:00 PM )   Seminar Hall, First Floor, Dept. of Civil Engg.</b>
Optical Flow Hand Tracking and Active Contour Hand Shape Features for Continuous Sign Language Recognition with Artificial Neural Networks
<i>P.V.V. Kishore, M.V.D. Prasad, D. Anil Kumar, and A.S.C.S. Sastry</i>
Searching for TELUGU Script in Noisy Images using SURF descriptors
<i>K. Mohana Lakshmi and T. Ranga Babu</i>
Algorithm to Detect Fracture from OPG Images Using Texture Analysis
<i>Anjali Naik, Shubhangi Tikhe, Sadashiv Bhide, K.P. Kaliyamurthie, and T. Saravanan</i>
Computationally Efficient Ciphering Scheme for Image Encryption Using Common Division and Genetic Algorithm
<i>G. Aparna, G. Venkata Raghava Rao, and G. Vasavi</i>
A Novel Image Encryption Technique using RGB pixel displacement for Color Images
<i>Shrija Somaraj and Mohammed Ali Hussain</i>
Segmentation and 3D Visualization of Pelvic Bone from CT Scan Images
<i>K. Punnam Chandar and T. Satyasavithri</i>

<b>Paper Presentation Session 2F ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, Dept. of Civil Engg.</b>
Reliable Recognition of Handwritten Digits Using Hamming Network
<i>S. Archana, B.K. Madhavi, and I.V. Muralikrishna</i>
An Efficient Framework for 2-Dimensional Gesture based Telugu Character Recognition
<i>Ch. Nagadeepa, N. Balaji, and V. Padmaja</i>
Overlapped Character Recognition: An Innovative Approach
<i>Shivadatt D. Chame and Anil Kumar</i>
Determination of Porosity of Rock Samples from Photomicrographs Using Image Analysis
<i>Debabrata Datta, Nikhil Thakur, Suvobrat Ghosh, Ramit Poddar, and Sharmila Sengupta</i>
Image Inpainting Approaches - A Review
<i>Rohit T. Pushpalwar and Smriti H. Bhandari</i>
Design and Analysis of Secured, Revocable Iris based Biometrics Authentication System
<i>V.G. Supriya and Ramachandra Manjunatha</i>
<b>Paper Presentation Session 2G ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, Wet Center, Dept. of Civil Engg.</b>
A Data Mining Approach to Inquiry Based Inductive Learning Practice in Engineering Education
<i>Bipin Bihari Jayasingh</i>
Analyzing Factors, Construction of Dataset, Estimating importance of factor and generation of association rules for Indian road Accident
<i>Suvarna Gothane and M.V. Sarode</i>
Comparative Analysis of K-Means and K-Nearest Neighbor Image Segmentation Techniques
<i>Prachi Surlakar, Sufola Araujo, and K. Meenakshi Sundaram</i>
A Feature Based Approach for Sentiment Analysis by Using Support Vector Machine
<i>D.V. Nagarjuna Devi, Chinta Kishore Kumar, and Siriki Prasad</i>
Support Vector Machine with inverse fringe as feature for MNIST Dataset
<i>Amit Patel and T.V. Kalyani</i>
Cognizance and Ameliorate of Quality of Service using Aggregated Intuitionistic Fuzzy C-Means Algorithm, Abettor-based model, Corroboration method and Pandect method in Cloud Computing
<i>N.V. Satya Naresh Kalluri and Divya Vani Yarlagadda</i>
<b>Paper Presentation Session 2H ( 04:00 PM – 06:00 PM )   Lecture Hall, First Floor, Dept. of CSE</b>
Application of Blooms Taxonomy in day-to-day Examinations
<i>H.S. Bhargav, Gangadhar Akalwadi, and Nitin V. Pujari</i>
A prototype learning support system for engineering students based on a model of the problem-solving process in learning intellectual property law
<i>Takako Akakura and Takahito Tomoto</i>
Empirical Investigations on Curriculum Framing on the basis of Academic Performance Analysis
<i>Kavita S. Oza and Rajanish K. Kamat</i>
Online Technical Training for Project Readiness and its impact on Cost Saving in IT Industry
<i>Sudhakar Kakkireni and Tirumala Vinnakota</i>
Computer Based Teaching Methodology for Outcome-Based Engineering Education
<i>M. Rajendra Prasad and D. Krishna Reddy</i>
SIPAI: An Integrated Learning Model of Self Learning, Inquiry Based, Problem Solving, Activity Based, and Instructional Learning for Engineering Education
<i>P. Kanchanamala and Satish Muppidi</i>
Role of ICT in Outcome Based Education
<i>S. Viswanadha Raju, M.S.V.S. Bhadri Raju, G. Abbaiah, and Madhavi Gudavalli</i>

**Paper Presentation Session 2I ( 04:00 PM – 06:00 PM ) | Lecture Hall, First Floor, Dept. of CSE**

An Automated Synthesis of Various Op-Amp Topologies in 0.18 $\mu$ m CMOS Technology using Matlab

*E.Srinivas, N.Balaji and L.Padmasree*

Simple and Secure OTP based Authentication Mechanism for Content Management Systems - Plone as a c

*Sameer Kumar Choudhary and Krishnapriya T*

Programmable Logic Controller Based Electricity Control System

*B.I Aldi, J.S Kadadevarmath and N.P Bannibagi*

Analysis of Optimize pairing for Large Scale Crew Scheduling Problem using Parallel DFS on Multicore

*Piyush Kumar, Praveen Kumary, Anshuman Satapathy and Motahar Reza*

Constraint based approach for Mining Meta-paths in Heterogeneous Information Networks

*Sadhana*

Automatic Detection of Diabetic Retinopathy using Retinal Images -A Review

*Akshaya A S and Sunanda Dixit*

A Novel Successive Approximation Register- ADC with Variable Conversion Time

*Mohd Iqbal Mohd Hadis and Sudhakar Mande*

Understanding Functional Protein-Protein Interactions of ABCB11 and ADA in Human and Mouse

*Antara Sengupta, Sk. Sarif Hassan and Pabitra Pal Choudhury*

A Data Analytics Prototype for Efficient Bug Triage Implementations

*K.Nitalaksheswara Rao and CH.Satyananda Reddy*

**Paper Presentation Session 2J ( 04:00 PM – 06:00 PM ) | Lecture Hall, First Floor, Dept. of CSE**

User Friendly Natural language Interface to Relational Database

*Jitesh Prasad Khatick and Soumitra Kumar Mandal*

Opinion Mining of Online Product reviews using Rough Set Reducts and Sematic Web Rules

*K.C. Ravi Kumar, D Teja Santhosh and B Vishnu vardhan*

Better Software Testing Process for User-Friendly Environment

*Prathipati Ratna Kumar and G P Saradhi Varma*

CRYPTO-STEGO Image for Safe and Secure Transmission of Computer Data

*Homer Benny Bandela and G Samuel Vara Prasad Raju*

Performance of Routing Protocols under Reference Point Group Mobility Model in Mobile Ad-hoc Network

*Ashish Xavier Das and Rajneesh Kumar Shrivastava*

Sentimental and Predictive Analysis on BIG DATA for Medical Renovation

*R.Merjulah and P. ArockiaJansi Rani*

A Study of Cross Layer Network Design for MANET

*Logesh. K and Srinivasa Rao Madane .S*

Effective Career Goal Setting in Indian Engineering Education

*Ameet Chavan and Bhujanga Rao Sanpala*

Current and Future Research Challenges in Substrate Integrated Waveguide Antennas - An Overview

*Nanda kumar M and T. Shanmuganantham*

**Paper Presentation Session 2K ( 04:00 PM – 06:00 PM ) | Lecture Hall, First Floor, General Computer Center**

Cutting Edge Multi Stratum Secured Electronic Voting Machine Design with Inclusion of Biometrics RFID and GSM Module

*Anooshmita Das, Manash Pratim Dutta, Subhasish Banerjee, and C.T. Bhunia*

Word Sense Disambiguation for Assamese

*Jumi Sarmah and Shikhar Kr. Sarma*

A Conceptual Framework for Offline Handwritten Marathi Text Document Recognition

*Sharvari S. Govilkar, J.W. Bakal, and Swati Kinhekar*

On the Advanced Strategies of Next Generation Online Examination System Implementing Cloud Based Standardization: Next Generation Online Examination System

*Subashis Biswas, Ranajoy Roy, Meghdut Roy Chowdhury, and A.B. Bhattacharya*

A Parallel Framework for Horizontally Local Dynamic Programming Problems

*Rajesh Kumar and Kishore Kothapalli*

Coordinated Inter Cell Interference Avoidance Techniques and Performance Parameters for Cross Layer Interference in LTE-A Network

*Dhara C. Shah and Akshay Malhotra*

APPS:Accelerating Performance and Power Saving in smartphones using code offload

*Pradip Kumar Das, Sayantan Shome, and Abhishek Kumar Sarkar*



## 6th IEEE International Advance Computing Conference (IACC-2016)

February 27-28, 2016

Bhimavaram-534204, Andhra Pradesh, India

Organized by IEEE Computer Society - India Council

&

S R K R Engineering College, Bhimavaram, India

Paper Presentation Schedule | Day 2 : Saturday, 28 February, 2016

<b>Paper Presentation Session 3A ( 08:30 AM – 11:00 AM )   Lecture Hall, Ground Floor, Dept. of Mech. Engg.</b>
Optimized Neural Network for Improved Electrocardiogram Beat Classification <i>Sanjit K. Dash and G. Sasibhushana Rao</i>
Microcontroller Based Flow Control System for Canal Gates in Irrigation Canal Automation <i>Kiran S. Shingote and Priti Shahane</i>
An Internet of Things (IoT) Based Automatic Home Appliance Controller <i>Rohith K.V.S.P, Pavan Kumar Kavvuri, Sahithi Kolasani and D.V.R. Mohan</i>
A Performance Study of Metric on Wireless Sensor Network Routing Protocols <i>Konda. Hari Krishna and Tapas Kumar</i>
Zonal based Telugu Character Recognition using Multiwavelets <i>T. Madhavi Kumari, A. VinayaBabu and L. Pratap Reddy</i>
Fingerprint Recognition for Person Identification and Verification Based on Minutiae Matching <i>Mouad. M.H. Ali, Vivek H. Mahale, Pravin Yannawar, and A.T. Gaikwad</i>
Vehicle Target Area and Tyre Detection Image Processing Technique <i>Anita Singh, Rajesh Kumar, R.P. Tripathi, and Uttkarsh Arya</i>
Lossless Compression of Medical Images for Better Diagnosis <i>B. Venkateswara Reddy, P. Bhaskara Reddy, P. Sateesh Kumar, and A. Sateesh Reddy</i>
Distributed Retrieval Scheme from Big Data <i>Ch Someswara Rao, Dr. V Chandra Sekhar</i>
<b>Paper Presentation Session 3B (08:30 AM – 11:00 AM )   Lecture Hall, Second Floor, Dept. of Mech. Engg.</b>
Hybridized Data Technique for Evaluate the Anomaly <i>R. Ravinder Reddy, Y. Ramadevi, and K.V.N. Sunitha</i>
Sybil Detection in Online Social Networks (OSNs) <i>Harpreet Bansal and Manoj Misra</i>
Evaluation of Key Management Scheme Based on Identity <i>Ch. Ramesh, K. Venu Gopal Rao, and D. Vasumathi</i>
A Comprehensive Cross-layer Framework for Optimization of Correlated Data Gathering in Wireless Sensor Networks <i>Narsimha Neela and O.B.V. Ramanaiah</i>
Nearest Neighbor Classifiers : Reducing the Computational Demands <i>R. Raj Kumar, P. Viswanath, and C. Shobha Bindu</i>
Community Mining In Multi-Relational And Heterogeneous Telecom Network <i>Varun E and Pushpa Ravikumar</i>
Pixel-based Classification Using Support Vector Machine Classifier <i>M. Krishna Satya Varma, N.K.K. Rao, K.K. Raju, and G.P.S. Varma</i>
Event Correlation for Log Analysis in the Cloud <i>G. Meera and G. Geethakumari</i>

<b>Paper Presentation Session 3C (08:30 AM – 11:00 AM)   Lecture Hall, Second Floor, Dept. of Mech. Engg.</b>
Computational strategy for structural analysis, design and optimization of trusses using Genetic Algorithm and Particle Swarm Optimization
<i>Shubi Agarwal and A. Vasan</i>
An approach to adaptive swarm surveillance using social potential fields
<i>Akshit Budhraj, Roopak Srivastava, and P.M. Pradhan</i>
Performance Evaluation of Deadline Aware Multi Stage Scheduling in Cloud Computing
<i>R. Krishnam Raju Indukuri, Suresh Varma Penmasta, M.V. Rama Sundari, and G. Jose Moses</i>
An Optimized Task Scheduling Algorithm in Cloud Computing
<i>Shubham Mittal and Avita Katal</i>
Gene Selection by Sample Classification using k Nearest Neighbor and Meta-heuristic Algorithms
<i>Souvik Saha, Surama Biswas, and Sriyankar Acharyya</i>
Secure TORA: Removal of Black Hole Attack using Twofish Algorithm
<i>N. Venkatadri and K. Ramesh Reddy</i>
Various SLA monitoring approaches and tools -A survey
<i>R.M.Jogdand, Sushant Rajkumar Patil, V R Kulkarni, Shankar Batlad and D. R. Gangodkar</i>
Quality of Service in Cloud Environment
<i>Sirisha Potluri and Kambampati Krishna</i>
Prediction of Fade Duration at Millimeter Wavelengths using Rain Attenuation Models
<i>Kandala.Kalyana Srinivas and Teppala.Venkata Ramana</i>
Enhance document annotation for improving query workload.
<i>Sushant Dagare and Deepali Khatri</i>

<b>Paper Presentation Session 3D (08:30 AM – 11:00 AM)   Seminar Hall, Second Floor, Dept. of Mech. Engg.</b>
Region marking and Grid based textural analysis for early identification of breast cancer in Digital Mammography
<i>Prakhar Swapnil, Ekta Pandey, Jayasubha R. Yathav, Ashad Baig, and Abhijith Bailur</i>
Alignment Estimation of Document Images for Registration
<i>Surabhi Narayan and Sahana D. Gowda</i>
A Statistical Analysis of Target Tracking Algorithm in 3D using EKF for Underwater Environment
<i>Nagamani Modalavalasa, G. Sasibhushana Rao, and K. Satya Prasad</i>
A probabilistic finite state architecture to classify texture images
<i>R. Obulakonda Reddy, B. Eswara Reddy, and E. Keshava Reddy</i>
Novel Video Super Resolution using Wavelet Transform and Key Frames / Motion Interpolation
<i>Pushpendra Kumar Singh and Sumana Gupta</i>
Arabic sign language alphabet recognition based on HOG-PCA using Microsoft Kinect in complex backgrounds
<i>Ayman Hamed, Nahla A. Belal, and Khaled M. Mahar</i>
BER analysis of GMD aided Alamouti STBC in MIMO-OFDM systems
<i>Buddaraju Revathi, L.V.V.HarshaVardhan, Rachapalli Sai Srinivas and K.L.Pravallika</i>
VLSI Architecture for Linear Carry Select Adder With Zero Finding Logic
<i>K.Bala Sindhuri, K.PadmaVasavi, I.Santi Prabha and N.Udaya Kumar</i>
Soft Set Approach for Faulty Node Detection And Secure Data Aggregation in WSN
<i>Arabinda Nanda and Amiya Kumar Rath</i>
An Empirical Study on Ensemble of Decision Tree Classifiers on Tumor Data
<i>G. Sujatha and K. Usha Rani</i>

<b>Paper Presentation Session 3E (08:30 AM – 11:00 AM )   Seminar Hall, First Floor, Dept. of Civil Engg.</b>
Automation of Analysis for Various Image Formats on Cloud
<i>Rajeshwar rao Kodipaka , Sanjeeva Polepaka , Md.rafeeq , Amarendhar Reddy</i>
A Survey of Recent Technologies and Research Challenges of Substrate Integrated waveguide
<i>K. Bharath Kumar and T.Shanmuganantham</i>
Application of Referential Ensemble Learning Techniques to Predict the Density of Rainfall
<i>K.Lakshmaiah, S.Murali Krishna and B.Eswara Reddy</i>
Automatic Target Extraction from High Resolution Remote Sensing Images
<i>Sharvani Chandu, R.V.G.Anjaneyulu and B. Gopala Krishna</i>
A Secure Metadata Insertion for Video Copyright Protection
<i>K L Sailaja, Peri Srinivasa Rao and Ramesh Kumar P</i>
Palmprint Authentication using Wavelets
<i>Y.Raghavender Rao, V.Deepthi, N.Prashanth and Md.Sikinder Baig</i>
Evaluation of Customer Scattering Impacts on Reliability of Distribution System with DG
<i>K.Nagasujatha, P.Sangeetha</i>
Big Data Analytics and Scheduling: A Survey
<i>S Suryanarayana Raju and V V Sivarama Raju</i>
Machine Translation in Cross Language Information Retrieval: A Survey
<i>B N V Narasimha Raju and M S V S Bhadri Raju</i>
Cluster analysis for enhancement of crop yields
<i>N. K. Kameswara Rao</i>
<b>Paper Presentation Session 3F (08:30 AM – 11:00 AM )   Lecture Hall, First Floor, Dept. of Civil Engg.</b>
Fast and Efficient Mining of Frequent and Maximal Periodic Patterns in Spatiotemporal Databases for shifted instances
<i>O. Obulesu and A. Rama Mohan Reddy</i>
Collaborative Access Control Model for Online Social Networks
<i>Nemi Chandra Rathore and Somanath Tripathy</i>
Unique Constraint Frequent Item Set Mining
<i>L. Greeshma and G. Pradeepini</i>
An Efficient Approach of Training Artificial Neural Network to Recognize Bengali Hand Sign
<i>Alvi Mahadi, Fatema Tuj Johora, and Mohammad Abu Yousuf</i>
EQ and IQ based classification of Intelligent Index (S-Quotient) using K-means
<i>S. Mouneshachari, M.B. Sanjay Pande, and T.S. Satyanarayana Rao</i>
Analysis of Text Mining Techniques over Public Pages of Facebook
<i>Himanshi Agrawal and Rishabh Kaushal</i>
<b>Paper Presentation Session 3G (08:30 AM – 11:00 AM )   Lecture Hall, 1<sup>st</sup> Floor, Wet Center, Dept. of Civil</b>
A Cluster based Data Sharing Scheme for Mobile Ad Hoc Networks
<i>Jitendra Alaparathi, Mukesh Chinta and Uday Raju Pamula</i>
Multiple Probabilistic Approaches & analysis for Improving the Capacity of Wireless Adhoc Network.
<i>Suresh Kurumbanshi and S. V. Rathkanthiwar</i>
Survey on Securing the Optimized Link State Routing (OLSR) Protocol in Mobile Ad-hoc Network
<i>Bhujanga Rao Sanpala and S. B. Waykar</i>
An Effective Health Determination by Applying Digital Image Enhancement and Statistical Factors on the Topological Features of the Tounge
<i>M. Dhanalakshmi</i>
Unemployment Analysis Using Social Media
<i>B.V. Ram Naresh Yadav, D. Vasumati and B.SatyaNarayana</i>
Elitism Genetic Algorithm for Ciphertext-Only Attack in Cryptanalysis
<i>B.Narendra Kumar</i>

**Paper Presentation Session 3H (08:30 AM – 11:00 AM) | Lecture Hall, First Floor, Dept. of CSE**

SVD Precoding to MMSE-GA in MIMO OFDM SYSTEMS

*Buddaraju Revathi, K.Kalyani, G.Manikanteswar and S.Basheerunnisa*

Image Denoising Techniques using three different Double Density Wavelet Transforms

*S. Swarnalatha, P. Satyanarayana and B. Shoban Babu*

A Resource Sharing Strategy Using Guesstimates For Wireless Ad Hoc High Performance Clusters

*Shivaramu K.N, Nagaraj Potiy and Prasobh P.S*

RNS Application in Cryptography

*P. Srivani and S. Ramachandram*

Gender Driven Emotion Recognition System For Speech Signals Using Neural Networks

*B. Rajasekhar, M. Kamaraju and V. Sumalatha*

Effect of External EM Signals on Nerve Conduction

*Manish Kr. Gupta, R K Khanna and K J Rangra*

**Paper Presentation Session 3I (08:30 AM – 11:00 AM) | Lecture Hall, First Floor, Dept. of CSE**

Graphene Floating Gate an Active Element for Non Volatile Memory

*Khawaja Amtul Salam and Radhika Rayeekanti*

Secured Remote Client Authentication using Elliptic Curve Cryptography Algorithm

*Lakshmanarao Battula and P.Vamsikrishna raja*

A Practical Safety Verification Methodology for Safety Critical Systems

*K. Amarendra, P. Seetharamaiah and J.A. Chandulal*

Framework and Design of Web-based transaction management in Cotton Industries

*A Arjuna Rao, M Brunda, D Radhika Sharma, Kota Sujatha and Matta Sankar Sastry*

Cyber Crime: Critical view

*Rita Dewanjee and R. Vyas*

Enhanced Medical Image Retrieval Using SVM Based Modality Classifier and Multiple Features

*G.Srilakshmi and K.Rama Linga Reddy*

**Paper Presentation Session 3K (08:30 AM – 11:00 AM) | Lecture Hall, First Floor, General Computer Center**

Detecting Web Attacks Using Multi-Stage Log Analysis

*Melody Moh, Santhosh Pininti, Sindhusha Doddapaneni, and Teng-Sheng Moh*

Multiple frequency effects on Human-brain based Steady-state visual evoked potential (SSVEP)

*Mustafa Aljshamee, Abbas Malekpour, and Peter Luksch*

An Algorithm for Fragile Audio Watermarking by Bit Modification

*Kaliappan Gopalan*

Research of Fast Multi-scale Pyramid Spatio-Temporal Interesting Points Extraction Algorithm

*Yan Qing and Liu Yun*

Recommender System Based on Random Walk with Topic Model

*Weisi Feng, Chenyang Jing, and Li Li*

Semantic Interoperability and Data Mapping in EHR Systems

*Sreya Janaswamy and Robert D. Kent*

A Privacy Preserving Personalized Group Recommendation Framework

*Kazi Wasif Ahmed, Israt Jahan Mouri, Rianon Zaman, and Nilufa Yeasmin*

Real Time Hand Gesture Recognition for Human Computer Interaction

*Rishabh Agrawal and Nikita Gupta*

Entropy Based ROI Extraction and Modified Contour Model for Image Segmentation

*Shiv Kumar Verma, Gagandeep Kaur, and Anil Kumar*

A Novel Approach for Logo Recognition System Using Machine Learning Algorithm SVM

*Shridevi Soma and B.V. Dhandra*