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Session	Session – 1A – Intelligent Computing
Date/Time	Thursday, 27 November 2014 / 16:00 – 17:30 Hrs
Venue	Room: IS 001
Chair(s)	Dr. T. Venugopal, Dr. B.S. Harish

- **Heart Function Monitoring, Prediction and Prevention of Heart Attacks: Using Artificial Neural Networks**
D. K. Ravish, K. J. Shanthi, Nayana R. Shenoy and S. Nisargh
- **A Cost Effective Tomato Maturity Grading System Using Image Processing for Farmers**
Sudhir Rao Rupanagudi, B. S. Ranjani, Prathik Nagaraj and Varsha G. Bhat
- **Multilevel and Multiple approaches for Feature Reweighting to Reduce Semantic Gap using Relevance Feedback**
K. Kranthi Kumar and T. Venu Gopal
- **Impact of VWM load for Congruent and Non Congruent Image Set: Evidence from CDA**
V. Sateesh Kumar and Kranthi Kumar
- **Parameter Modeling and Simulation of Typical Non-Ideal Analog to Digital Converter**
Sayed Mostafa Taheri and Bahareh Mohammadi

Session	Session – 1B – Database System
Date/Time	Thursday, 27 November 2014 / 16:00 – 17:30 Hrs
Venue	Room: IS 002
Chair(s)	Dr. Sharath, Dr. K. Vinay

- Bottom-Up Pittsburgh Approach for Discovery of Classification Rules**
Priyanka Sharma and Saroj Ratnoo
- Predicting the Risk of Newborns Based on Fuzzy Clustering Method with Prediction Risk Assessment**
Jyothi Thomas and G. Kulanthaivel
- Privacy-Preserving Mining of Decision Trees Using Data Negation Approach**
R. K. Dhandhanian, P. K. Baruah and R. Mukkamala
- Big Data Processing with Harnessing Hadoop - MapReduce for Optimizing Analytical Workloads**
K. V. Rama Satish and N. P. Kavya
- Design and Implementation of Proposed Drawer Model Based Data Warehouse Architecture Incorporating DNA Translation Cryptographic Algorithm for Security Enhancement**
Rajdeep Chowdhury, Soumya Kanta Dey, Soupayan Datta and Sweta Shaw

Session	Session – 1C – Software Engineering
Date/Time	Thursday, 27 November 2014 / 16:00 – 17:30 Hrs
Venue	Room: IS 101
Chair(s)	Prof B. Jalender, Anil Kumar K.M.

- Service Test Automation Framework**
Raghavendra Eeratta, Sanath S. Shenoy, C. R. Vijeth and Nimmy John

- ☛ The Adaptive Approach to Software Reuse**
Sampath Korra, A. Vianaya Babu and S. Viswanadha Raju
- ☛ A Novel Approach for Classifying Software Reusable Components for Upload and Download**
B. Jalender, A. Govardhan and P. Premchand
- ☛ An Event Based Test Automation Framework for Android Mobiles**
R. Anbunathan and AnirbanBasu
- ☛ A Trade-Off Establishment between Software Complexity and its Usability using Evolutionary Multiobjective Optimization (EMO)**
Vandana Yadav, Siddharth Lavania, Arun Chaudhary and Namrata Dhanda

Session	Session – 1D – Systems Software
Date/Time	Thursday, 27 November 2014 / 16:00 – 17:30 Hrs
Venue	Room: IS 102
Chair(s)	Prof Jayan V, Dr R.K. Bharathi

- ☛ A Generic Approach for Runtime Object Creation and Visualization**
Sanath S. Shenoy and C. R. Vijeth
- ☛ The Survivability of Computing Systems**
Mahendra Kumar Murmu
- ☛ Architectural Semantics of AADL Using Event-B**
Meenakshi D'Souza, S. Ramesh and Manoranjan Satpathy
- ☛ Performance Measurements: Proxy Server for Various Operating Systems**
Savita Shiwani, Sandeep Kumar, Vishal Chandra and Sunny Bansal
- ☛ Enhancing Security in Text Messages Using Matrix based Mapping and ElGamal Method in Elliptic Curve Cryptography**
R. Balamurugan, V. Kamalakannan, D. Rahul Ganth and S. Tamilselvan

Session	Session – 1E – Data Communication and Networking
Date/Time	Thursday, 27 November 2014 / 16:00 – 17:30 Hrs
Venue	Room: IS 103
Chair(s)	Dr. Manas Ranjan Kabat, Dr. Veena

- Improving Services Using Mobile Agents-Based IoT in a Smart City**
Pulkit Verma, Mayank Gupta, Tuhin Bhattacharya and Pradip K. Das
- A Novel Approach for Secure Routing Protocol: To Improve Life of Network**
Sunil Bhutada, K. Kranthi Kumar and K. Manisha
- Secure and Energy Efficient Routing Algorithm for Wireless Sensor Networks**
Vinod Kumar Menaria, Deepak Soni, A. Nagaraju and S. C. Jain
- Identifying the Behavior: Nodes, Route and Collusion Attack's in MANET**
K. Kranthi Kumar, CH Vasantha Laxmi and K. Srinivasa Rao

Session	Session – 1F – Management Information System
Date/Time	Thursday, 27 November 2014 /16:00 – 17:30 Hrs
Venue	Room: IT 201
Chair(s)	Dr. Nagasundara, Dr. Anusuya

- Computing in Engineering Education: The Current Scenario**
A. B. Raju and Satish Annigeri
- Book Recommendation System Based on Collaborative Filtering and Association Rule Mining for College Students**
Anand Shanker Tewari and Kumari Priyanka
- Opinion Based Book Recommendation Using Naive Bayes Classifier**
Anand Shanker Tewari, Tasif Sultan Ansari and Asim Gopal Barman

🌀 **The Construction of an Indoor Floor Plan Using a Smartphone for Future Usage of Blind Indoor Navigation**

J. A. D. C. Anuradha Jayakody and Iain Murray

🌀 **A Scientometric Analysis of Computer Science Research in India**

Khushboo Singhal, Sumit Banshal, Ashraf Uddin and Vivek Kumar Singh

Session	Session – 2A – Intelligent Computing
Date/Time	Thursday, 27 November 2014 / 17.30 – 19.30 Hrs
Venue	Room: IS 001
Chair(s)	Dr. T. Venugopal, Dr. B.S. Harish

🌀 **Biometric Measurement and Classification of IUGR Using Neural Networks**

Kumaresha Sreeshyala Bagi and K. S. Shreedhara

🌀 **Application of Artificial Neural Networks in Optimizing MPPT Control for Standalone Solar PV System**

Moirangthem Dennis Singh, V. J. Shine and Varaprasad Janamala

🌀 **Comparative Analysis of Histogram Equalization Techniques**

Surabhi Patel and Mausumi Goswami

🌀 **Noise Distribution on Various Blocks of Image and Their Analysis**

Gourav Kumar Javeriya, Deepak Gupta, Shikha Gupta and Anil Kumar Dahiya

🌀 **Face Recognition: A Holistic Approach Review**

Ghazi Mohammed Zafaruddin and H. S. Fadewar

🌀 **Reordering of Delayed Strokes for Online Hindi Word Recognition**

V. Vidya, T. R. Indhu and V. K. Bhadran

🌀 **Supervised Named Entity Recognition in Assamese Language**

Gitimoni Talukdar, Pranjal Protim Borah and Arup Baruah

Session	Session – 2B – Database System
Date/Time	Thursday, 27 November 2014 / 17.30 – 19.30 Hrs
Venue	Room: IS 002
Chair(s)	Dr. Sharath, Dr. K. Vinay

- Medical Decision Support System for the Missing Data Using Data Mining - A Survey**
N. L. Taranath, Shantakumar B. Patil, Premajyothi Patil and C. K. Subbaraya
- Player Valuation in Indian Premier League Auction Using Data Mining Technique**
Prince Kansal, Pankaj Kumar, Himanshu Arya and Aditya Methaila
- Retrieval of Images Using Data Mining Techniques**
C. Neethu Joseph and Aswathy Wilson
- Interestingness of Measures: A statistical prospective**
K. Selvarangam and K. Ramesh Kumar
- Resolving Data Inconsistency in Data Integration**
I. Carol and S. Britto Ramesh Kumar
- Experiments on Information Retrieval Mechanisms for Distributed Biodiversity Databases Environment**
Manavalan, Subrata Chattopadhyay, Mangala, Prahlada Rao, Sarat Chandra Babu and Akhil Kulkarni
- An Algorithmic Approach for Analysis of Animal Movement with Granular Computing in Relation with Data Mining**
Neelam Rawat, J. S. Sodhi and Rajesh K. Tyagi
- Clustering-Based Recommender System Using Principles of Voting Theory**
Joydeep Das, Partha Mukherjee, Subhashis Majumder and Prosenjit Gupta

Session	Session – 2C – Software Engineering
Date/Time	Thursday, 27 November 2014 / 17.30 – 19.30 Hrs
Venue	Room: IS 101
Chair(s)	Prof B. Jalender , Dr. Anil Kumar

- ☛ **Test Driven Design**
Harsha Kawadkar
- ☛ **An Ontology Based Framework for Automatic Detection and Updation of Requirement Specifications**
MPS Bhatia, Rohit Beniwal and Akshi Kumar
- ☛ **Understanding Bug Fixes in Ant: An Observational Study**
Shilpi Saha, Subhashis Majumder, Samip Jain and Subhajit Datta
- ☛ **A Hierarchical Test Case Prioritization Technique for Object Oriented Software**
Vedpal, Naresh Chauhan and Harish Kumar
- ☛ **A Critical Analysis of A Hierarchy Based Usability Model**
Deepak Gupta, Anil Ahlawat and Kalpna Sagar
- ☛ **Combining Quantitative and Qualitative Criteria in Evaluating Systems - A Goal Driven Approach**
S. Vinay, Shridhar Aithal and Sudhakara Adiga
- ☛ **Challenges for Software Engineering in Educational Technologies**
Kesav V. Nori, Y. Raghu Reddy and Sridhar Chimalakonda
- ☛ **Testability of Object-Oriented Systems: An AHP-Based Approach for Prioritization of Metrics**
Priyanksha Khanna

Session	Session – 2D – Intelligent Computing
Date/Time	Thursday, 27 November 2014 / 17.30 – 19.30 Hrs
Venue	Room: IS 102
Chair(s)	Prof Jayan V, Dr. R.K. Bharathi

- AnglaBharati to AnglaMalayalam: An Experience with English to Indian Language Machine Translation**
V. Jayan and V. K. Bhadran
- Application of Artificial Immune System Approach to Develop an Algorithm for Optimizing Multi Objective Problems**
Lovely Raheja, Siddharth Lavania, Sanjeev Kumar Singh and Namrata Dhanda
- Achieving Seamlessness in Multi-Projector based Tiled Display Using Camera Feedback**
Pranav Kant Gaur, Dinesh M. Sarode, Pritam P. Shete, P. P. K. Venkata and S. K. Bose
- Document Classification Using Symbolic Classifiers**
M. B. Revanasiddappa, B. S. Harish and S. Manjunath
- Multiple Feature Fusion for Classification of Facial Images**
Moula Husain and Meena S. Maralappanavar
- Automatic Quality Evaluation of Fruits Using Probabilistic Neural Network Approach**
Vani Ashok and D. S. Vinod
- A Distributed Approach for Selection of Optimal Actor Nodes in Wireless Sensor and Actor Networks**
Virender Ranga, Mayank Dave and Anil Kumar Verma

Session	Session – 2E – Data Communication and Networking
Date/Time	Thursday, 27 November 2014 / 17.30 – 19.30 Hrs
Venue	Room: IS 103
Chair(s)	Dr. Manas Ranjan Kabat, Dr. Veena

- Network Coding: ABC Based COPE in Wireless Sensor and Mesh Network**
Amit Singh and A. Nagaraju
- Effective Tariff Selection on Cloud Services: A Consumer Perspective**
Thiruselvam Subramanian and Nickolas Savarimuthu
- Federated Intelligent Cloud – Service-Oriented Federation in Global Cloud Market with Match-Making Service Broker and Global Workload Management**
S. Sathyanarayanan and Reynald Susainathan Reni Sagayaraj
- Energy-Efficient Approaches to Cloud Computing**
N. Asha and G. Raghavendra Rao
- Data Security in Cloud Computing Using Cramer –Shoup Cryptosystem**
S. Raju and Y. Mohamed Sirajudeen
- Adv-MMAC: An Advertisement Based Multichannel MAC Protocol for Wireless Sensor Networks**
Rakesh Ranjan Swain, Sonali Mishra, Tushar Kanta Samal and Manas Ranjan Kabat
- Novel Data Storage and Retrieval in Cloud Database by Using Frequent Access Node Encryption**
Sadia Syed and P. Srinivas Teja

Session	Session – 2F – Management Information System
Date/Time	Thursday, 27 November 2014 / 17.30 – 19.30 Hrs
Venue	Room: IT 201
Chair(s)	Dr. Nagasundara, Dr. Anusuya

- Ontology Based Semantic Representation for Public Health Data Integration**
Rohini R. Rao, Krishnamoorthi Makkithaya and Neha Gupta
- A Compact Sensor System for Concussion Mitigation in Helmets – A Concept Prototype**
K. Veena Divya, Deepashree Devaraj, P. M. Rajasree and Anmol Oberoi
- Assessment of Data Quality in Web Sites: Towards a Model**
Patrícia Leite, Joaquim Gonç ,alves, Paulo Teixeira and Ivaro Rocha
- Cognitive Biometrics Based on EEG Signal**
Ashwini S. Chatra

Session	Session – 3A – Intelligent Computing
Date/Time	Friday, 28 November 2014 / 13:30 – 14:30 Hrs
Venue	Room: IS 001
Chair(s)	Prof. Bhanu Prakash Kolla, Dr. Vinod

- **Image Retrieval Based on Image Mean Mapping Method**
R. Venkata Ramana Chary, D. Rajya Lakshmi and K. V. N. Sunitha
- **Edge Based Selective Encryption Scheme for Biometric Data Using Chaotic Theory**
Garima Mehta, Malay Kishore Dutta, Carlos M. Travieso-González and Pyung Soo Kim
- **A Novel Approach for Latent to Rolled Fingerprint Matching**
Ganesh N. Chaudhari and R. B. Wagh
- **Neural Network Framework for Multilingual Web Documents**
Kolla Bhanu Prakash, T. V. Ananthan and V. N. Rajavarman

Session	Session – 3B – System Software
Date/Time	Friday, 28 November 2014 / 13:30 – 14:30 Hrs
Venue	Room: IS 002
Chair(s)	Nitika Vats Doohan, Dr. Umesh K K

- **A Study of Recent Advances in Cache Memories**
M. Tariq Banday and Munis Khan
- **System Simulation Approach for Helicopter Autopilot**
Chinmayi S. Jamadagni, C. U. Chethan, Y. V. Jeppu, Sagar B. Kamble and Vijay H. Desai

➤ **FPGA Implementation of Enhanced Key Expansion Algorithm for Advanced Encryption Standard**

D. Rahul Gandh, V. Kamalakannan, R. Balamurugan and S. Tamilselvan

➤ **Mission Critical Software Test Philosophy a SILS Based Approach in Indian Mars Orbiter Mission**

S. Sumith Shankar, Kiran Desai, Shuvo Dutta, Rajiv R. Chetwani, M. Ravindra and K. M. Bharadwaj

Session	Session – 3C – Computing & Networking
Date/Time	Friday, 28 November 2014 / 13:30 – 14:30 Hrs
Venue	Room: IS 101
Chair(s)	Dr. Vasu, Dr. S. Manjunath

➤ **Dependency Mapper and ACO Based Efficient Job Scheduling and Load Balancing in Green Clouds**

Supriya Kinger, Rajesh Kumar and Anju Sharma

➤ **Performance Analysis of Fuel Cell Assisted Distributed Generation System**

Kishore Chahar, Ajay Kumar Maurya and Abhishek Chaturvedi

➤ **An Efficient Recall in Diversified Training Samples Using Bidirectional Associative Memory**

Akhila and P. M. Shivamurthy

➤ **Twofold Classification of Motor Imagery Using Common Spatial Pattern**

Kusuma Mohanchandra, Snehanshu Saha and Rashmi Deshmukh

Session	Session – 3D – Data Communication and Networking
Date/Time	Friday, 28 November 2014 / 13:30 – 14:30 Hrs
Venue	Room: IS 102
Chair(s)	Dr. Kishor Patil, Dr. Renukappa

➤ Data Aggregation Using Doped Turbo Codes

Archana R. Kulkarni and Andhe Pallavi

➤ Key Management Schemes for Secure Group Communication in Wireless Networks - A Survey

N. Renugadevi, G. Swaminathan and Aditya S. Kumar

➤ A Soft-Demapper for Coded MIMO-OFDM System

Nanda Kishore Chavali and Anvesh Reddy Yalla

➤ A Complex Ferrari LPC to LSF Implementation

Jatin V. Domadiya, Amaresh P. Kandagal and N. Ramesh

Session	Session – 3E – Intelligent Computing
Date/Time	Friday, 28 November 2014 / 13:30 – 14:30 Hrs
Venue	Room: IS 103
Chair(s)	Dr. M.K. Dutta, Dr. Mahananda

➤ A Novel Approach Based on 2D - DWT and Variance Method for Human Detection and Tracking in Video Surveillance Applications

P. P. Gangal, V. R. Satpute, K. D. Kulat and A. G. Keskar

➤ Analysis and Performance Evaluation of Various Image Segmentation Methods

S. Umaa Mageswari and C. Mala

➤ **New Proposed Practice for Secure Image Combing Cryptography Stegnography and Watermarking Based on Various Parameters**

Rupesh Gupta and Tanu Preet Singh

➤ **An Efficient Automatic Method of Optic Disc Segmentation Using Region Growing Technique in Retinal Images**

Anushikha Singh, Malay Kishore Dutta, M. Parthasarathi, Radim Burget and Kamil Riha

Session	Session – 3F – Database System
Date/Time	Friday, 28 November 2014 / 13:30 – 14:30 Hrs
Venue	Room: IT 201
Chair(s)	Dr. K Vinay, Prof. Sharath

➤ **Clustering Based – A FAST Algorithm on High Dimensional Data**

Sonali P. Kadam, S. Naikwadi Varsha, S. Belamkar Kaveree, S. Andhare Aruna and M. Mohite Mayuri

➤ **Proposed Novel Schema Design for Map Generation to Assist Vision Impaired in an Indoor Navigation Environment**

J. A. D. C. Anuradha Jayakody and Iain Murray

➤ **Analysis of Robotic Environment Using Low Resolution Image Sequence**

Swetha Sreedharan, G. Radhakrishnan, Deepa Gupta and T. S. B. Sudarshan

➤ **Self Multiplying Smart Crawler using Central Addressing System and User Behaviour Dependent Ranking Algorithm**

Shine Kamal and Siddharth Srivastava

Session	Session – 4A – Intelligent Computing
Date/Time	Friday, 28 November 2014 / 14:30 – 16:00 Hrs
Venue	Room: IS 001
Chair(s)	Prof. Bhanu Prakash Kolla, Dr. Vinod D S

- Quality Assessment of Stereo Images Using Reduced Reference Based on Saliency Region**
Too Kipyego Boaz and C. J. Prabhakar
- A Secure and High Payload Digital Audio Watermarking Using Features From Iris Image**
Arashdeep Kaur, Malay Kishore Dutta, K. M. Soni and Nidhi Taneja
- ANN Based Semantic Content Based Image Retrieval with Distributed Processing**
Supriya Jalindar Karande and Vikas Maral
- Imperceptible Digital Watermarking in Medical Retinal Images for Tele-Medicine Applications**
Malay Kishore Dutta, Anushikha Singh, M. Parthasarathi and Carlos M. Travieso
- Fingerprint Identification Using Feature Extraction: A Survey**
Ankit Shrivastava and Devesh Kumar Srivastava
- An Adaptive Skin Color Model for a Human Face Detection**
Vasavi N. Danti and Pratibha T. Kadiyavar
- A Two Stage Braille Character Segmentation Approach for Embossed Double Sided Hindi Devanagari Braille Documents**
T. Shreekanth and V. Udayashankara

Session	Session – 4B – System Software
Date/Time	Friday, 28 November 2014 / 14.30 – 16.00 Hrs
Venue	Room: IS 002
Chair(s)	Prof. Nitika Vats Doohan, Dr. Umesh K K

- ☛ Coordination of Mobile Robots with Master-Slave Architecture for a Service Application**
A. Anand, M. Nithya and T. B. S. Sudarshan
- ☛ Efficient Implementation of 8-Bit Vedic Multipliers for Image Processing Application**
Aravind E. Vijayan, Arlene John and Deepak Sen
- ☛ Adaptive Checkpointing for Fault Tolerance in an Autonomous Mobile Computing Grid**
Parmeet Kaur Jaggi and Awadhesh Kumar Singh
- ☛ Mouse Brace: A Convenient Computer Mouse using Accelerometer, Flex Sensors and Microcontroller**
Rishabh Berlia and Pallavi Santosh
- ☛ Implementation of Secure Customized Monitoring Tool for Adaptive Distributed Systems**
Manjunath Kotari, Niranjana N. Chiplunkar and H. R. Nagesh
- ☛ A Collaborative Filtering Recommendation Engine in a Distributed Environment**
Poonam Ghuli, Atanu Ghosh and Rajashree Shettar

Session	Session – 4C – Intelligent Computing
Date/Time	Friday, 28 November 2014 / 14.30 – 16.00 Hrs
Venue	Room: IS 101
Chair(s)	Dr. Vasu, Dr. Manjunath S

- Biometric Person Authentication: A Review**
A. S. Raju and V. Udayashankara
- An Investigation of Combining Gradient Descriptor and Diverse Classifiers to Improve Object Taxonomy in Very Large Image Dataset**
T. R. Anusha, N. Hemavathi, K. Mahantesh and R. Chetana
- Text and Script Independent Writer Identification**
B. V. Dhandra and M. B. Vijayalaxmi
- A Three Levelled Granularity Approach for Recognizing Surgically Altered Face Images with Unique MBLBP-SIFT Based GA**
Archana Sable and Girish Chowdhary
- Efficient Color Passport Size Photograph Compression Using ROI Coding**
M. Tariq Bandy and Tawheed Jan Shah
- Performance Assessment of Different Image Sizes for Printed Gujarati and English Digits Using Template Matching**
Shailesh A. Chaudhari and Ravi M. Gulati
- Compression of Images Represented in Hexagonal Lattice Using Wavelet and Gabor Filter**
K. M. Jeevan and S. Krishnakumar

Session	Session – 4D – Data Communication and Networking
Date/Time	Friday, 28 November 2014 / 14:30 – 16:00 hrs
Venue	Room: IS 102
Chair(s)	Dr. Kishor Patil, Dr. Renukappa

- Implementation of Improved Robust Energy Efficient Routing Protocol**
B. M. Madhu and C. B. Abhilash
- Quantitative Assessment of TV White Spaces for Cognitive Radio Networks in India**
Madhukar Deshmukh, Kishor P. Patil, Sujay Kharote, Akshay Jadhav and Shantanu Maskar
- Spatial DSDV (S-DSDV) Routing Algorithm for Mobile Ad Hoc Network**
M. Manjunath and D. H. Manjaiah
- An Impact of Grid Based Approach in Offline Handwritten Kannada Word Recognition**
M. S. Patel and Sanjay Linga Reddy
- Wireless Requirements and Challenges in Industry 4.0**
Anitha Varghese and Deepaknath Tandur
- NFC Technology: Current and Future Trends in India**
Sudipta Dhar and Aniruddha Dasgupta
- Neuro-Fuzzy Design of a Fuzzy PI Controller with Real-Time Implementation on a Speed Control System**
Arijit Ghosh, Satyaki Sen and Chanchal Dey

Session	Session – 4E – Intelligent Computing
Date/Time	Friday, 28 November 2014 / 14:30 – 16:00 Hrs
Venue	Room: IS 103
Chair(s)	Dr. Tanu Preet Singh, Dr. Mahananda

- Parallel Processors for High Speed Multiple Objects Recognition**
S. M. Rasiq and S. Krishnakumar
- Recognition of Ancient Kannada Epigraphs Using Fuzzy-Based Approach**
A. Soumya and G. Hemantha Kumar
- A Techniques for Multimodal Attributes to Perform CBIR for Multimedia and Biomedical Image Applications**
P. Rachana, S. Ranjitha and H. N. Suresh
- An Unsupervised Intelligent System to Detect Fabrication in Photocopy Document using Variations in Bounding Box Features**
Suman V. Patgar, K. Rani and T. Vasudev
- Temporal Pattern Mining in an Object Set Having Irregular Layered Structure by Using SASK Algorithm**
Sriraman Kothuri and Komal Teja Mattupalli
- Cognitive Computing Simulator-Compass**
Dany Varghese and Viju Shankar
- Structured Intelligent Search Engine for Effective Information Retrieval using Query Clustering Technique and Semantic Web**
Prakasha S, Shashidhar HR and G T Raju

Session	Session – 4F – Data Communication and Networking
Date/Time	Friday, 28 November 2014 / 14.30 – 16.00 Hrs
Venue	Room: IT 201
Chair(s)	Vivek S. Deshpande, Prof. Sharath

- Multilingual E-mail Classification Using Bayesian Filtering and Language Translation**
M. Tariq Banday and Shafiya Afzal Sheikh
- Preventing Input Type Validation Vulnerabilities Using Network Based Intrusion Detection Systems**
Venkatramulu Sunkari and C. V. Guru Rao
- S/MIME with Multiple E-mail Address Certificates: A Usability Study**
M. Tariq Banday and Shafiya Afzal Sheikh
- E 3 BFT: Energy Efficient and Energy Balanced Fault Tolerance Clustering in Wireless Sensor Networks**
Suneet K. Gupta, Pratyay Kuila and Prasanta K. Jana
- A Review of the Atmospheric Effects on Radio Path Loss in Cellular Mobile Communication System**
C. S. Hanchinal and K. N. Muralidhara
- Darideepa: A Mobile Application for Bus Notification System**
M. Sneha, Chaitra N. Urs, Sourindra Chatterji, M. S. Srivatsa, K. J. Pareekshith and H. Amith Kashyap




Session	Session – 5A – Intelligent Computing
Date/Time	Friday, 28 November 2014 / 16:30 – 18:00 Hrs
Venue	Room: IS 001
Chair(s)	Dr. M.K. Dutta, Chenamma

- Survey on Skin Based Face Detection on Different Illumination, Poses and Occlusion**
J. Rajeshwari, K. Karibasappa and M. T. GopalKrishna
- Image Resolution Enhancement Using Undecimated Double Density Dual Tree Wavelet Transform**
Mithun Vijayan, M. J. Josemartin and P. R. Geetharanjin
- Automatic Segmentation and Classification of Mitotic Cell Nuclei in Histopathology Images Based on Active Contour Model**
K. Sabeena Beevi, Madhu S. Nair and G. R. Bindu
- Depth Recovery from Stereo Images**
P. R. Induchoodan, M. J. Josemartin and P. R. Geetharanjin
- Modified Eight-Directional Canny for Robust Edge Detection**
P. Shanmugavadivu and Ashish Kumar
- Fractal Dimension for Drowsiness Detection in Brainwaves**
M. Pavithra, B. NiranjanaKrupa, Arun Sasidharan, Bindu M. Kutty and Manjunath Lakkannavar




Session	Session – 5B – Computing & Networking
Date/Time	Friday, 28 November 2014 / 16:30 – 18:00 Hrs
Venue	Room: IS 002
Chair(s)	Prof. Nitika Vats Doohan, Dr. Umesh K K




- An Analysis of Routing and Security Protocols in Opportunistic Computing**
Seema B. Hegde and B. Sathish Babu
- Protection of Shared Data Among Multiple Users for Online Social Networks**
D. Ganesh and V. V. RamaPrasad
- Design of Optimized Reversible Binary Adder/Subtractor and BCD Adder**
A. N. Nagamani, S. Ashwin and Vinod Kumar Agrawal
- Design of a Secure Architecture for Context-Aware web Services Using Access Control Mechanism**
P. Joseph Charles and S. Britto Ramesh Kumar
- Neuro-Fuzzy Design of a Fuzzy PI Controller with Real-Time Implementation on a Speed Control System**
Arijit Ghosh, Satyaki Sen and Chanchal Dey
- Effect of Varying the Size of Initial Parent Pool in Genetic Algorithm**
Kanika and Rajiv Gupta

Session	Session – 5C – Database System
Date/Time	Friday, 28 November 2014 / 16:30 – 18:00
Venue	Room: IS 101
Chair(s)	Dr. K Vinay, Dr. Manjunath S


- 
Mutual Information Based Weighted Fuzzy Clustering
Yogalakshmi Jayabal and Chandrashekar Ramanathan
- 
Refinement of Data Streams Using Minimum Variance Principle
Virendrakumar Dhotre
- 
Business Intelligence from Online Product Review – A Rough Set Based Rule Induction Approach
T. K. Das, D. P. Acharjya and M. R. Patra

Session	Session – 5D – Data Communication and Networking
Date/Time	Friday, 28 November 2014 / 16:30 – 18:00
Venue	Room:IS 102
Chair(s)	Dr. Kishor Patil, Dr. Renukappa

- 
Efficient Sensor Node Determination Using Proteus
R. Sittalatchoumy and L. Sivakumar
- 
Modeling Chinese Wall Access Control Using Formal Concept Analysis
S. Chandra Mouliswaran, Ch. Aswani Kumar and C. Chandrasekar
- 
Energy Efficient Reliable Routing through Dynamic Spectrum Management in Cognitive Radio Sensor Networks
Kumaresh Sheelavant and R. Sumathi

- 
Image Encryption Scheme with Key Sequences Based on Chaotic Functions
K. M. Shruthi, S. Sheela and S. V. Sathyanarayana
- 
Exploiting Node Heterogeneity for Time Synchronization in Low Power Sensor Networks
Akash Yadav, Anandghan Waghmare and Ashok Singh Sairam
- 
Orchestration of Cloud Computing Virtual Resources
Mayanka Katyral and Atul Mishra

Session	Session – 5E – Intelligent Computing
Date/Time	Friday, 28 November 2014 / 16:30 – 18:00
Venue	Room:IS 103
Chair(s)	Tanu Preet Singh, Dr. Aradhya

- 
Reversible Data Hiding in Encrypted Images by Active Block Exchange and Room Reservation
Tojo Mathew and M. Wilscy
- 
Extraction of Curvelet Based RLBP Features for Representation of Facial Expression
S. Nagaraja and C. J. Prabhakar
- 
Human Recognition for Surveillance Systems Using Bounding Box
P. Deepak, S. Krishnakumar and Smitha Suresh
- 
Template Matching Method for Kannada Handwritten Recognition Based on Correlation Analysis
C. V. Aravinda and H. N. Prakash
- 
Comparative Analysis of Demosaicking Techniques for Mars Colour Camera Data
Sampa Roy, S. M. Moorthi, Debajyoti Dhar and S. S. Sarkar
- 
ASIC Implementation of Image Enhancement Technique for Fingerprint Recognition Process
S. Gayathri and V. Sridhar

Session	Session – 5F – Data Communication and Networking
Date/Time	Friday, 28 November 2014 / 16:30 – 18:00
Venue	Room:IT 201
Chair(s)	Vivek S. Deshpande, Dr. Padma

- Smart Home and Smart City Solutions enabled by 5G, IoT, AAI and CoT Services**
K. E. Skouby and P. Lynggaard
- Intrusion Detection Model Using fusion of PCA and Optimized SVM**
I. Sumaiya Thaseen and Ch. Aswani Kumar
- A Novel Cross Layer Wireless Mesh Network Protocol for Distributed Generation in Electrical Networks**
S. V. Vambase and S. R. Mangalwede
- Performance Analysis of Routing Protocols for Adhoc Network in a Fading Environment**
Prakhyalakhya Das and D. D. Seth
- An Improved and Optimized approach for Pre-emptive Migration of Video Process**
S. Sandhya and N. K. Cauvery
- Efficient Cooperative Spectrum Sensing in Cognitive Radio Using Coalitional Game Model**
V. Balaji and Chittaranjan Hota

Session	Session – 6A – Intelligent Computing
Date/Time	Saturday, 29 November 2014 / 13:30 – 15:30
Venue	Room:IS 001
Chair(s)	Vivek S. Deshpande, Dr. R.K. Bharathi

- **A Decision Level Fusion of Morphology Based Pattern Spectrum and IDSC for Shape Representation and Classification**
B. H. Shekar and Bharathi Pilar

- **Blood Vessels Segmentation with GUI in Digital Fundus Images for Automated Detection of Diabetic Retinopathy**
Deepashree Devaraj and S. C. Prasanna Kumar

- **Intelligent Sensing Systems for Adjusting Temperatures in Air Conditioners**
Akhila and N. Divakara

- **MAP-MRF Approach for Image Denoising**
B. N. Aravind and K. V. Suresh

- **Depression Level Prediction Using EEG Signal Processing**
H. M. Mallikarjun and H. N. Suresh

- **Using Novelty Score of Unseen Items to Handle Popularity Bias in Recommender Systems**
Punam Bedi, Anjali Gautam, Richa and Chhavi Sharma

- **Automatic Bimodal Audiovisual Speech Recognition: A Review**
Amaresh P. Kandagal and V. Udayashankara

- **Assamese Word Sense Disambiguation Using Supervised Learning**
Pranjal Protim Borah, Gitimoni Talukdar and Arup Baruah

Session	Session – 6B – Computing & Networking
Date/Time	Saturday, 29 November 2014 / 13:30 – 15:30
Venue	Room:IS 002
Chair(s)	Dr. Upendra Raju, Dr. S.P. Kulkarni

- Data Mining Algorithms for Webservices Classification**
A. Syed Mustafa and Y. S. Kumaraswamy
- Improving the Speed of the Method of Moments Technique in Large Body Scattering Problems Using the Sparse Matrix Method**
A. Upendra Raju and Jyothi Balakrishnan
- Feature Selection Using Game Theory for Phoneme Based Speech Recognition**
J. Ujwala Rekha, K. Shahu Chatrapati and A. Vinaya Babu
- SAHI vs. Selenium: A Comparative Analysis**
Thanuja Janarthana Naidu, Nor Asyikin Basri and Saravanan Nagenthram
- Live Forensics Analysis: Violations of Business Security Policy**
Govind Singh Tanwar and Ajeet Singh Poonia

ession	Session – 6C – Data Communication and Networking
Date/Time	Saturday, 29 November 2014 / 13:30 – 15:30
Venue	Room: IS 101
Chair(s)	Dr. K S Anil Kumar, Prof. Gayathri

- Survey on Interoperability, Security, Trust, Privacy Standardization of Cloud Computing**
C. Saravanakumar and C. Arun
- Flexible Microstrip Patch Antenna Using Rubber Substrate for WBAN Applications**
Jobin Kurian, M. N. Upama Rajan and Shinoj K. Sukumaran

- Adaptive Fuzzy Neural Network Model for Intrusion Detection**
K. S. Anil Kumar and V. Nanda Mohan
- Modified Trial Division Algorithm using KNJ-Factorization Method to Factorize RSA Public Key Encryption**
Nidhi Lal, Anurag Prakash Singh and Shishupal Kumar
- A Survey on Spectrum Handoff Techniques in Cognitive Radio Networks**
Pushp Maheshwari and Awadhesh Kumar Singh
- Emerging Trends of Location Privacy Techniques in Location Aided Applications**
B. N. Jagdale and J. W. Bakal
- Queuing Strategies for Self Overload Control in SIP Servers**
Kiran Kumar Guduru and J. Usha

Session	Session – 6D – Intelligent Computing
Date/Time	Saturday, 29 November 2014 / 13:30 – 15:30
Venue	Room: IS 102
Chair(s)	Dr. K.L. Shanumuganathan, Dr. K. Vinay

- Early Diagnosis of Primary Tumor in Brain MRI Images Using Wavelet as the Input of Ada-Boost Classifier**
S. Ajikumar and A. Jayachandran
- An Efficient Approach of Image Registration Using Point Cloud Datasets**
Brahmdutt Bohra, Deepak Gupta and Shikha Gupta
- A Composite Image Cipher Using DNA Sequence and Genetic Algorithm**
M. R. Saranya, Arun K. Mohan and K. Anusudha
- Dual Tree Complex Wavelet Transform Based Wireless Capsule Endoscopic Image Enhancement**
Aswani Arayakkandy and Varun P. Gopi

Microarray Data Classification Using Fuzzy K-Nearest Neighbor

Mukesh Kumar and Santanu Ku. Rath

OLDA Based Online Handwriting Recognition

M. Mahadeva Prasad

An Algorithm for Enhanced Image Security with Reversible Data Hiding

Arun K. Mohan, M. R. Saranya and K. Anusudha

Real-Time EEG based Object Recognition System Using Brain Computer Interface

H. S. Anupama, N. K. Cauvery and G. M. Lingaraju

Session	Session – 6E – Data Communication and Networking
Date/Time	Saturday, 29 November 2014 / 13:30 – 15:30
Venue	Room: IS 103
Chair(s)	Dr. Tanu Preet Singh, Dr. Jayaram

Game Theoretical and Generic Approaches for Selfish Node Avoidance in Ad Hoc Networks

Shabana Sultana and C. Vidya Raj

On Optimal Power Allocation for Minimizing Interference in Relay Assisted Cognitive Radio Networks

Seba Maity and Chinmoy Maji

Dissecting SMS Malwares in Android

Anoop Joseph Babu, Rahul Raveendranath, Venkiteswaran Rajamani and Soumya Kanti Datta

Framework for Pairwise Key Establishment in Wireless Sensor Networks

M. B. Nirmala and A. S. Manjunath

- Designing Challenges to Utilize White-Space for Configurable Femtocell Base on Slotted TDM**
Nikhil P. Wyawahare and S. L. Haridas
- Integrated Hough Transform and Switching Median Filter Based Lane Colorization**
Amandeep Kaur and Tanu Preet Singh
- A Trust Based Secure Gateway Selection and Authentication Scheme in MANET**
Amit Kumar Gupta, Rakesh Kumar and Naveen Kumar Gupta

Session	Session – 6F – Computing & Networking
Date/Time	Saturday, 29 November 2014 / 13:30 – 15:30
Venue	Room: IT 201
Chair(s)	Dr. Manjunath, Dr. Aradhya

- Green Computing - A Way Towards Environmentally Sustainable Future**
Prajyot Ranbhise
- Power Cognizant Algorithms Using Slack Reclamation Method**
B. M. Beena and C. S. R. Prashanth
- Analysis of Information Diffusion in Dynamic Information Networks**
Geetika Sarna, Rhythm Walia and MPS Bhatia
- Web Based and Voice Enabled IVRS for Large Scale Malayalam Speech Data Collection**
P. Shobana Devi, DivyaDas, Jose Stephen and V. K. Bhadrans
- Fusion of Pearson Similarity and Slope One Methods for QoS Prediction for Web Services**
G. Vadivelou and E. Ilavarasan
- Possibilistic Fuzzy C-Means Clustering on Medical Diagnostic Systems**
B. Simhachalam and G. Ganesan

Session	Session – 6G – Intelligent Computing
Date/Time	Saturday, 29 November 2014 / 13:30 – 15:30
Venue	Room: IT 202
Chair(s)	Dr. Sathyanarayana S V, Dr. Imran

- Predicting Dynamic Modulus for Bituminous Concrete**
Praveen Aggarwal
- Recipe of Speech Compression Using Coiflet Wavelet**
Snehanka G. Narkhedkar and Pramod Kumar Patel
- An Improved Honey Bees Life Scheduling Algorithm for a Public Cloud**
Anjuli Garg and C. Rama Krishna
- Automatic Detection of Red Lesions in Digital Color Retinal Images**
P. N. Sharath Kumar, R. Rajesh Kumar, Anuja Sathar and V. Sahasranamam
- An Application of Fourier Statistical Features in Scene Text Detection**
H. C. Vinod, S. K. Niranjana and V. N. Manjunath Aradhya
- Segmentation of Noisy PET Images Using Bayesian Matting**
S. Renukalatha and K. V. Suresh
- Recovering Depth Map from Enhanced Image Gradients in Fourier Domain**
Anu Bala, Sanjeev Kumar and Rama Bhargava
- Question Classification Using Domain Specific Semantic Features**
Nidhi Malik and Aditi Sharan

Session	Session – 6H – Data Communication and Networking
Date/Time	Saturday, 29 November 2014 / 13:30 – 15:30
Venue	Room: IS 001
Chair(s)	Vivek S. Deshpande, Dr. R.K. Bharathi

- Symmetric Key Image Encryption Scheme with Key Sequences Derived from Random Sequence of Cyclic Elliptic Curve Points over GF(p)**
S. Sowmya and S. V. Sathyanarayana
- A Steganographic System for Embedding Image and Encrypted Text**
B. G. Priyanka and S. V. Sathyanarayana
- Security Analysis of TLS Authentication**
Aditya Kaushal Ranjan, Vijay Kumar and Muzzammil Hussain
- Enhanced Authentication Technique for Next Generation 3GPP Networks**
H. L. Gururaj, R. Sunitha and B. Ramesh
- Performance Comparison of HOVA and SOVA for Image Transmission in AWGN Channel**
S. V. Viraktamath, Akshata Kotihal and Girish V. Attimarad
- Impact of Interleaver and Trace Back Length on Performance of CODEC for Burst Errors**
S. V. Viraktamath, Divya Sakaray and Girish V. Attimarad

Session	Session – 7A – Intelligent Computing
Date/Time	Saturday, 29 November 2014 / 16:00 – 18:00
Venue	Room: IS 001
Chair(s)	Vivek S. Deshpande, Dr. R.K. Bharathi

➤ **Localization of Vehicle Number Plate Based on Watershed Transform and Visualization Technique**

M. N. Veena and T. Vasudev

➤ **Modified Differential Evolution Based 0/1 Clustering for Classification of Data Points -- Using Modified New Point Symmetry Based Distance and Dynamically Controlled Parameters**

Vikram Singh and Sriparna Saha

➤ **Easy Optimization of Image Transformation Using sFFT Algorithm with HALIDE Language**

C. Thirumoorthi and T. Karthikeyan

➤ **An Approach for Face Detection Using Artificial Intelligence**

Vandana S. Bhat and Jagadeesh D. Pujari

➤ **Granular Neural Networks Models with Class-Belonging Granulation**

D. Arun Kumar and Saroj K. Meher

➤ **Video Retrieval: An accurate approach based on Kirsch Descriptor**

B H Shekar, K Raghurama Holla and M Sharmila Kumari

Session	Session – 7B – Computing & Networking
Date/Time	Saturday, 29 November 2014 / 16:00 – 18:00
Venue	Room: IS 002
Chair(s)	Dr. Upendra Raju, Dr. S.P Kulkarni

➤ **Achieving Stability of ECG Biometric Features Through Binaural Brain Entrainment**

Ramaswamy Palaniappan and Samraj Andrews

➤ **Personal Informatics - Weave Your Numbers**

Sanjay Krishna Anbalagan, George Grinstein and Shweta Purushe

➤ **Identification of Vegetation from Satellite Derived Hyper Spectral Indices**

Archana Nandibewoor, Prashanth Adiver and Ravindra Hegadi

➤ **An Efficient Rule Acquisition Method Using Type – 2 Fuzzy Rough Ontology**

Nilavu Devadoss and Sivakumar Ramakrishnan

➤ **Mixed Random 128 Bit Key Using Finger Print Features and Binding Key for AES Algorithm**

S. Sridevi Sathya Priya, P. Karthigaikumar and N. M. Siva Mangai

Session	Session – 7C – Data Communication and Networking
Date/Time	Saturday, 29 November 2014 / 16:00 – 18:00
Venue	Room: IS 101
Chair(s)	Dr. K S Anil Kumar, Prof. Gayathri

➤ **OFDM Channel Estimation Using Total Variation Minimization in Compressed Sensing**

K. M. Manu and K. J. Nelson

➤ **An Android Approach for Wireless Power Harvesting from Radio Waves**

Varsha Dubey, Shubham Sumalya, Sangeeth Sagar V R and Abhilash C B

- Performance Analysis of WDM Link Using Dispersion Compensating Fiber at Different Wavelengths**
Gaurav Soni and Rupinderjit Kaur
- Performance Analysis of Inter-Satellite Optical Wireless Communication (ISOWC) System at 980 nm and 1550 nm Wavelengths**
Navjot Kaur and Gaurav Soni
- Performance Analysis of Free Space Optics Link at Different Data Rates**
Gaurav Soni and Vijay Kumar Banga

Session	Session – 7D – Intelligent Computing
Date/Time	Saturday, 29 November 2014 / 16:00 – 18:00
Venue	Room: IS 102
Chair(s)	Dr. K.L. Shanumuganathan, Dr. K. Vinay

- Artificial Intelligence Guidance for Unmanned Aerial Vehicles in Three Dimensional Space**
Chethan Chithapuram, Yogananda V. Jeppu and Aswani Kumar
- Information Retrieval Through the Fusion of Multi-Sensors Data over Multi-Resolutions**
C. V. Rao, J. Malleswara Rao, A. Senthil Kumar, B. Lakshmi and V. K. Dadhwal
- Using K-means Cluster Based Techniques in External Plagiarism Detection**
K. Vani and Deepa Gupta
- Recognition of Similar Patterns in Popular Hindi Jazz songs by Music Data Mining**
Mitali Bagul, Divya Soni and K. Saravanakumar
- Debugging Using MD5 Process Firewall**
C. U. Om Kumar, S. Kishore and A. Geetha

Session	Session – 7E – Data Communication and Networking
Date/Time	Saturday, 29 November 2014 / 16:00 – 18:00
Venue	Room: IS 103
Chair(s)	Dr. Tanu Preet Singh, Dr. Jayaram

- Malware Detection by Token Counting**
Ajeet Singh Poonia and Shivraj Singh
- A Precedence Based Load Balancing Strategy for Batch of DAGs for Computational Grid**
Mohammad Shahid and Zahid Raza
- An Energy Efficient Remote User Authentication Scheme Preserving User Anonymity**
Surekha Bapana, K. Lakshmi Narayana and Chandra Sekhar Vorugunti
- A Green Greedy Process Scheduler for Cloud Data Centers**
C. Karthik, Aayush Gupta and K. Chandrasekaran
- Printed Monopole UWB Antenna with EBG Structure for Wireless Body Area Network**
Vijai Reghunath and Shinoj K. Sukumaran

Session	Session – 7F – Systems Software
Date/Time	Saturday, 29 November 2014 / 16:00 – 18:00
Venue	Room: IT 201
Chair(s)	Dr. Manjunath, Dr. Aradhya

- Robust Classification of Primary Brain Tumor in Computer Tomography Images Using K-NN and Linear SVM**
G. Kharmega Sundararaj and V. Balamurugan
- High Performance Single and Multi-GPU Acceleration for Diffuse Optical Tomography**
Manob Jyoti Saikia and Rajan Kanhirodan

- **An Approach for Designing of Sequence Generator by Counter and Multiplexer of Reversible Gates**
Shefali Mamataj, Biswajit Das and Saravanan Chandran

- **Quantum Cost Realization of New Reversible Functions Using ESOP Based Synthesis**
H. V. Jayashree, V. K. Agrawal and Deepika Kumari

- **Irrigation Control System Using Distributed Embedded System**
Hiteshkumar J. Lad and Vibhulikumar G. Joshi

- **An Expert System Based on Texture Features and Decision Tree Classifier for Diagnosis of Tumor in Brain MR Images**
G. Kharmega Sundararaj and V. Balamurugan