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S. No	Volume-3 Issue-1, December 2014, ISSN: 2319-9598 (Online) Published By: Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd.		Page No.	
1.	Authors:	Sameer Thigale, Tushar Prasad, Ustat Kaur Makhija, Vibha Ravichandran		
	Paper Title:	Prediction of Box Office Success of Movies Using Hype Analysis of Twitter Data		
	<p>Abstract: Internet and Social Networking play a vital role in research field. It contains a massive diction about what people think. Twitter, is a micro blogging site where people post their views and preferences related to their interests. In this project, we try to predict the box office success of the movie by analyzing the hype created amongst the mob. We use sentiment analysis of Twitter data for the same. We are also considering the distribution area of the movie along with its genre. To display the output we plot the graph which depicts the success ratio of the movie.</p> <p>Keywords: Prediction; social networking; regression; sentiment analysis.</p> <p>References:</p> <ol style="list-style-type: none"> 1. FORECASTING-Methods and Applications by- Spyros M., Steven W., Rob H., Edition(3).Wiley Publication. 2. Sitaram Asur&Bernardo A. Huberman,"Predicting the Future with Social Media", Proceedings of the 2010 IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology - Volume 01, pp. 492-499,Oct 2010. 3. A.Reddy,P,Kasat,A.Jain, St.Francis Institute of Technology,"Box-Office opening prediction of Movies based on Hype Analysis through Data Mining", International Journal of Computer Application(0975-8887),Volume 56-No 1,October 2012 4. Minxue Huang and Feng Wang,"Using Online WOM to Forecast Box Office for Movies Coming Soon",Wireless communications, networking And Mobile Computing,2008. WiCOM'08.Fourth International Conference. Oct 2008. 5. Seonghoon Moon, Suman Bae, Songkuk Kim ,"Predicting the Near- Weekend Ticket Sales Using Web-Based External Factors and Box-Office Data",Web Intelligence(WI) and Intelligent Agent Technologies(IAT), 2014 IEEE/WIC/ACM International Joint Conferences,Aug 2014 6. Andrei Oghina, Mathias Breuss, Manos Tsagkias&Maarten de Rijke,"Predicting IMDB movie ratings using social media", Proceedings of the 34th European conference on Advances in Information Retrieval, pp. 503 507,November 2013 7. Jure Leskovec, Lada A.Adamic and Bernado A. Huberman,"The dynamics of viral marketing" In proceedings of the 7th ACM Conference on Electronic Commerce,2006. 8. Lyric Doshi,"Using Sentiment and Social Network Analyses to predict Opening-Movie Box Office Success",Department of Electrical and computer MIT,USA,Feb 2010. 9. David Jensen and Jennifer Neville,"Data Mining in Social Networks",Computer Science Department,University of Massachusetts,Amherst. 10. Swart,William,"Demand Forecasting With Multiple Rgression", Developed exclusively for IEEE eLearning Library,Dec 2011 11. Neethu,Rajsree,R.,"Sentiment Analysis In Twitter Using Machine Learning Techniques",Computing,Communicationsand Networking Technologies(ICCCNT),2013 Fourth International Conference,July 2013. 12. Singh,V.K,Priyani,R,Uddin,A,Waila,P,"Sentiment Analysis of Movie Reviews:A New Feature-Based Heuristic for Aspect-Level Sentiment Classification",Automation,Computing,Communication,Control and Compressed Sensing,(iMac4s),2013 International Multi-Conference,March 2013. 			1-6
Authors:	K. Sharath Reddy, M. C. Sankalp, K. Pradeep Kumar, K. P. Shashidhar			
Paper Title:	Face Recognition System with GUI Using Digital Image Processing			
2.	<p>Abstract: A facial recognition system is a computer application for automatically identifying or verifying a person from a digital image or a video frame from a video source. One of the ways to do this is by comparing selected facial features from the image and a facial database. It is typically used in security systems and can be compared to other biometrics such as fingerprint or eye iris recognition systems. An approach to the detection and identification of human faces is presented, and a working, near-real-time face recognition system which tracks a subject's head and then recognizes the person by comparing characteristics of the face to those of known individuals is described. This approach treats face recognition as a two-dimensional recognition problem, taking advantage of the fact that faces are normally upright and thus may be described by a small set of 2-D characteristic views. Face images are projected onto a feature space ('face space') that best encodes the variation among known face images. The face space is defined by the 'Eigen faces', which are the eigenvectors of the set of faces; they do not necessarily correspond to isolated features such as eyes, ears, and noses. The framework provides the ability to learn to recognize new faces in an unsupervised manner. In this report we discuss about the feature based recognition and Eigen face method for facial analysis. In feature based facial recognition method the importance is given to the facial features, whereas the Eigen face method gives preference to the face. By combining both the above methods we obtain.</p> <p>Keywords: "Feature Based Eigen face Method" for facial recognition.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Fundamentals of Digital Image Processing by Chris Solomon and Toby Breckon. 2. Digital Image Processing (3rd Edition) by Gonzalez and Woods. 			7-13
	Authors:	Santhana Krishnan B, Ramaswamy M		
	Paper Title:	Energy Aware Cluster Based Multiplexed Routing Strategy for Wireless Sensor Network		
<p>Abstract: The paper invites the philosophy of time division multiplexing to the theory of data transfer in a Wireless Sensor Network (WSN). It endeavors to realize a Single Input and Single Output (SISO) framework on the boundaries of minimum use of energy with a view to increase the network life time. The mechanism assuages the formation of a clustered environment to articulate the realms of an Ad-hoc On demand Distance Vector (AODV) routing mechanism in an effort to eschew an energy efficient path for the delivery of information. The role of a Cluster Head (CH) aids in the process of creating a single path at a given time and engraves a perspective to address the demands of the increasing traffic. It augurs to reduce the consumption of energy required to carry the message from the source to the destination in the periphery of the chosen architecture. The simulation results in the Network Simulator (NS2)</p>				

3.	<p>platform measured in terms of the performance indices exhibit the merits of the Cluster Based Ad-hoc On demand Distance Vector (CAODV) scheme over similar approaches and erudite a new road map in the context of data communication for WSN.</p> <p>Keywords: CAODV, Energy Efficiency, Multiplexing, Network Lifetime, SISO, Wireless Sensor Network.</p> <p>References:</p> <ol style="list-style-type: none"> 1. F. Akyildiz, W. Su, Y. Sankarasubramaniam, E. Cayirci, "A survey on sensor networks", IEEE Communications Magazine, vol. 40, 2002, pp. 102-114. 2. D. N. Jayasimha, S. S. Iyengar, and R. L. Kashyap, "Information Integration and Synchronization in distributed sensor networks", IEEE Trans. On Systems, Man and Cybernetics, vol. 21, 1991, pp. 1032-1043. 3. Cohen, R.; Kapchits, B.; Israel, H. Topology maintenance in asynchronous sensor networks. In Proceedings of the 5th Annual IEEE Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks, (SECON '08), San Francisco, CA, USA, e 2008; pp. 542-550. 4. J. N. Laneman and G.W.Wornell, "Distributed space-time coded protocols for exploiting cooperative diversity in wireless networks," IEEE Trans. On Information Theory, vol. 49, 2003, pp. 2415-2425. 5. Hill, J.; Culler, D. A Wireless Embedded Sensor Architecture for System-Level Optimization; Available online: http://webs.cs.berkeley.edu/papers/MICA-ARCH (accessed on 28 October 2011). 6. S. Cui, A. J.Goldsmith, and A. Bahai, "Energy-efficiency of MIMO and cooperative MIMO techniques in sensor networks," IEEE J. Select. Areas Commun., vol. 22, no. 6, 2004, pp. 1089-1098. 7. S. K. Jayaweera, "Virtual MIMO-based cooperative communication for energy-constrained wireless sensor networks," IEEE Trans. Wireless Commun., vol. 5, no. 5, May 2006, pp. 984-989. 8. Hsu, T.-H. and Yen, P.-Y., "Adaptive time division multiple access-based medium access control protocol for energy conserving and data transmission in wireless sensor networks", Communications, IET (Volume:5 Issue: 18), 2011, pp.2662 – 2672. 9. Jianlin Mao,, Zhiming Wu and Xing Wu, "A TDMA scheduling scheme for many-to-one communications in wireless sensor networks", Computer Communications, Volume 30, Issue 4, 2007, pp. 863-872. 10. Nikolaos A. Pantazis , Dimitrios J. Vergados, Dimitrios D. Vergados and Christos Douligeris , " Energy efficiency in wireless sensor networks using sleep mode TDMA scheduling", Ad Hoc Networks, Volume 7, Issue 2, 2009, pp. 322-343. 11. Yackovich, J, Mosse, D., Rowe, A.and Rajkumar, R., "Making WSN TDMA Practical: Stealing Slots Up and Down the Tree", Embedded and Real-Time Computing Systems and Applications (RTCSA), 2011 IEEE 17th International Conference on (Volume:1), 2011, pp. 41 – 50. 12. Shitao Yan and Mianrong Yang, "Construction Protocol of Wireless Sensor Network Based on Centralized Clustering Routing and Time Division Multiplexing MAC Protocol", TELKOMNIKA Indonesian Journal of Electrical Engineering, vol.12, No.7, 2014, pp. 5591 - 5598. 13. Majid Nabi And Marc Geilen, Twan Basten And Milos Blagojevic, "Efficient Cluster Mobility Support for TDMA-Based MAC Protocols in Wireless Sensor Networks", ACM Transactions on Sensor Networks, Vol. 10, No. 4, Article 65, 2014, pp- 65(1)-65(32). 14. Junchao Ma, Wei Lou, Yanwei Wu, Xiang-Yang Li and Guihai Chen, "Energy Efficient TDMA Sleep Scheduling in Wireless Sensor Networks", IEEE Communications Society subject matter experts for publication in the IEEE INFOCOM 2009, pp.630-638. 15. Rozeha A. Rashid, Wan Mohd Ariff Ehsan W. Embong, Azami Zaharim andNorsheila Fisal, "Development of Energy Aware TDMA-Based MAC Protocol for Wireless Sensor Network System", European Journal of Scientific Research, Vol.30 No.4, 2009, pp.571-578. 16. B. Santhana Krishnan and M. Ramaswamy, " A New Cluster Based Protocol for Wireless Sensor Networks", International Conference on Information Science and Application (ICISA-2011), IEEE Computer Society, 2011, pp. 1-8. 	14-19										
4.	<table border="1"> <tr> <td data-bbox="124 1120 331 1167">Authors:</td> <td data-bbox="331 1120 1422 1167">Gayathri Rajaraman, M. Anitha, K. K. Sood</td> </tr> <tr> <td data-bbox="124 1167 331 1214">Paper Title:</td> <td data-bbox="331 1167 1422 1214">Wideband Gain-Enhanced Miniaturized Met Material-based Antenna for Wireless Applications</td> </tr> <tr> <td colspan="2" data-bbox="124 1214 1422 1518"> <p>Abstract: Complementary Split Ring Resonators and Spiral Resonators; a category of artificially-devised metamaterial components; are loaded onto a microstrip patch and effectively utilized for obtaining wideband behaviour through staggered resonances and for radiator size reduction. A basic inset-fed patch antenna is loaded with a pair of CSRR on both the sides with a small change in dimension leading to closely overlapping resonances resulting in a wide bandwidth. Additionally, a spiral resonator is inscribed in the ground-plane under the patch metallization to suppress surface waves and to improve the radiation characteristics. The antenna is simulated and optimized using Ansys HFSS®, abenchmarked commercial software. Analyzed results of the proposed antenna are presented. Satisfactory impedance and radiation characteristics are obtained with ~ 87% radiation efficiency and 6% miniaturization.</p> <p>Keywords: Metamaterials, CSRR (Complementary Ring Resonator), Spiral Resonators, Miniaturization.</p> <p>References:</p> <ol style="list-style-type: none"> 1. C. Caloz and I. Tatsuo, "Electromagnetic Metamaterials Transmission Line Theory and Microwave Applications", John Wiley and Sons, 2006. 2. Amr A. Ibrahim, Amr M. E. Safwat and H. El-Henaway, "Triple Band Microstrip-Fed Monopole Antenna Loaded with CRLH Unit Cell", IEEE Antennas & Wireless Propagation Letters, Vol. 10, pp. 1547-1550, 2012. 3. J. B. Pendry, A. J. Holden, W. J. Stewart, and I. Youngs, "Extremely Low-Frequency Plasmons in Metallic Mesostructures", IEEE Phys-Rev-Lett., Vol. 76, pp. 4773-4776, 1996. 4. C. Caloz and T. Itoh, "Transmission Line Approach of Left- Handed (LH) Materials and Microstrip Implementation of an Artificial LH Transmission Line ", IEEE Trans. Antennas & Propagation, Vol. 52, pp. 1159-1165, 2004. 5. F. Billoti, A. Toscano and L. Vegni , "Design of Spiral and Multiple Split-Ring Resonators for Realization of Miniaturised Metamaterial Samples", IEEE Transaction Antennas and Propagation, Vol. 55, No. 8, pp. 2258 - 2267 , 2007. 6. D. Yuandan , H. Toyao and T. Itoh., "Design and Characterization of Miniaturized Patch Antennas Loaded With Complementary Split Ring Resonators", IEEE Transactions on Antennas & Propagation, Vol. 60, No. 2, pp. 772-784, 2012. 7. C. Wenquan, Y. Xiang, B. Zhang, A. Liu, T. Yu and D.Guo, "A Low Cost Compact Patch Antenna With Beam Steering Based on CSRR Loaded Ground", IEEE Antennas and Wireless Propagation Letters. Vol. 10, pp. 1520- 1523, 2011. 8. R. Garg, P. Bhartia, I. Bahl and A. Ittipiboon, "Microstrip Antenna Design Handbook", Artech House, London, 2001. 9. F Falcone, T. Lopetegí, J. D. Baena, R. Marques, F. .Martin and M. Sorolla, "Effective Negative-ε Stop-Band Microstrip Lines based on Complementary Split Ring Resonators ", IEEE Microwave and Wireless letters, Vol. 14, No. 6, pp. 280-284, 2004. </td> </tr> <tr> <td data-bbox="124 1518 331 1610">Authors:</td> <td data-bbox="331 1518 1422 1610">A. B. Sawant, R. V. Jugdar, S. G. Sawant</td> </tr> <tr> <td data-bbox="124 1610 331 1657">Paper Title:</td> <td data-bbox="331 1610 1422 1657">Light Transmitting Concrete by using Optical Fiber</td> </tr> </table>	Authors:	Gayathri Rajaraman, M. Anitha, K. K. Sood	Paper Title:	Wideband Gain-Enhanced Miniaturized Met Material-based Antenna for Wireless Applications	<p>Abstract: Complementary Split Ring Resonators and Spiral Resonators; a category of artificially-devised metamaterial components; are loaded onto a microstrip patch and effectively utilized for obtaining wideband behaviour through staggered resonances and for radiator size reduction. A basic inset-fed patch antenna is loaded with a pair of CSRR on both the sides with a small change in dimension leading to closely overlapping resonances resulting in a wide bandwidth. Additionally, a spiral resonator is inscribed in the ground-plane under the patch metallization to suppress surface waves and to improve the radiation characteristics. The antenna is simulated and optimized using Ansys HFSS®, abenchmarked commercial software. Analyzed results of the proposed antenna are presented. Satisfactory impedance and radiation characteristics are obtained with ~ 87% radiation efficiency and 6% miniaturization.</p> <p>Keywords: Metamaterials, CSRR (Complementary Ring Resonator), Spiral Resonators, Miniaturization.</p> <p>References:</p> <ol style="list-style-type: none"> 1. C. Caloz and I. Tatsuo, "Electromagnetic Metamaterials Transmission Line Theory and Microwave Applications", John Wiley and Sons, 2006. 2. Amr A. Ibrahim, Amr M. E. Safwat and H. El-Henaway, "Triple Band Microstrip-Fed Monopole Antenna Loaded with CRLH Unit Cell", IEEE Antennas & Wireless Propagation Letters, Vol. 10, pp. 1547-1550, 2012. 3. J. B. Pendry, A. J. Holden, W. J. Stewart, and I. Youngs, "Extremely Low-Frequency Plasmons in Metallic Mesostructures", IEEE Phys-Rev-Lett., Vol. 76, pp. 4773-4776, 1996. 4. C. Caloz and T. Itoh, "Transmission Line Approach of Left- Handed (LH) Materials and Microstrip Implementation of an Artificial LH Transmission Line ", IEEE Trans. Antennas & Propagation, Vol. 52, pp. 1159-1165, 2004. 5. F. Billoti, A. Toscano and L. Vegni , "Design of Spiral and Multiple Split-Ring Resonators for Realization of Miniaturised Metamaterial Samples", IEEE Transaction Antennas and Propagation, Vol. 55, No. 8, pp. 2258 - 2267 , 2007. 6. D. Yuandan , H. Toyao and T. Itoh., "Design and Characterization of Miniaturized Patch Antennas Loaded With Complementary Split Ring Resonators", IEEE Transactions on Antennas & Propagation, Vol. 60, No. 2, pp. 772-784, 2012. 7. C. Wenquan, Y. Xiang, B. Zhang, A. Liu, T. Yu and D.Guo, "A Low Cost Compact Patch Antenna With Beam Steering Based on CSRR Loaded Ground", IEEE Antennas and Wireless Propagation Letters. Vol. 10, pp. 1520- 1523, 2011. 8. R. Garg, P. Bhartia, I. Bahl and A. Ittipiboon, "Microstrip Antenna Design Handbook", Artech House, London, 2001. 9. F Falcone, T. Lopetegí, J. D. Baena, R. Marques, F. .Martin and M. Sorolla, "Effective Negative-ε Stop-Band Microstrip Lines based on Complementary Split Ring Resonators ", IEEE Microwave and Wireless letters, Vol. 14, No. 6, pp. 280-284, 2004. 		Authors:	A. B. Sawant, R. V. Jugdar, S. G. Sawant	Paper Title:	Light Transmitting Concrete by using Optical Fiber	20-22
Authors:	Gayathri Rajaraman, M. Anitha, K. K. Sood											
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Authors:	A. B. Sawant, R. V. Jugdar, S. G. Sawant											
Paper Title:	Light Transmitting Concrete by using Optical Fiber											

5.	<p>Abstract: Small buildings are replaced by high rise buildings and sky scrapers. This arises one of the problem in deriving natural light in building, due to obstruction of nearby structures. Due to this problem use of artificial sources for illumination of building is increased by great amount. So it is very essential to reduce the artificial light consumption in structure. It is considered to be one of the best sensor materials available and has been used widely since 1990. Hungarian architect, Aron Losonczi, first introduced the idea of light transmitting concrete in 2001 and then successfully produced the first transparent concrete block in 2003, named LiTraCon. Since concrete is strong in compression and weak in tension and flexure.</p> <p>Keywords: OFRC, Transparent Concrete, Lux, LITCON.</p> <p>References:</p> <ol style="list-style-type: none"> 1. B. Huiszoon, Interferometric element, interferometric N-stage tree element, and method of processing a first optical input signal and a second optical input signal so as to provide a plurality of orthogonal output signals, PCTpatent WO2007/133066/A3, Eindhoven University of Technology, May 17, 2006. 2. Carl Hartman, Seeing the future of construction through translucent concrete, The Associated Press, July 8, 2004. 3. Craig A. Shutt, Yeshiva Keter Torah, Fall 08 Ascent magazine, Awards for Best Elementary School, and Best Sustainable Design Innovation Award. 4. Craig C. Freudenrich, Ph.D., How Fiber Optics Work. 5. Hanna Kite; Yuki Oda/Tokyo, Coolest Inventions 2004, Time Magazine, Nov. 29, 2004 6. J.C. Suárez, B. Remartinez, J.M. Menéndez, A. Güemes, F. Molleda, (2003) Optical fiber sensors for monitoring of welding residual stresses, Journal of Materials Processing Technology, vol. 143–144, 316–320. 7. Jeff Hecht, Understanding Fiber Optics, 4th ed., Prentice-Hall, Upper Saddle River, NJ, USA 2002 (ISBN 0-13-027828-9). National Instruments' Developer Zone, Light collection and propagation, 8. Ken Shulman, X-Ray Architecture, Metropolis Magazine, April 1st, 2001. http://www.metropolismag.com/html/content_0401/shulman/ 9. L. F. Boswell and B. McKinley. (2006), Use of optical fiber technology to measure structural performance, Proceedings of the Tenth East Asian-Pacific Conference on Structural Engineering and Construction, Thailand. 10. Light transmitting concrete is set to go on sale this year, Mar 11, 2004. 11. Light Transmitting Concrete: www.litracon.hu 12. Luccon - Translucent Concrete: www.luccon.com Schott North America 13. Massai, Hormigón: Ideas concretas e iluminadas, Todoarquitectura.com- Noticias de arquitectura, diseño, construcción y CAD, October 19, 2005. 14. McKinley, B., and Boswell, L. F. (2002), Optical fiber systems for bridge monitoring. Proceedings of First International Conference on Bridge Maintenance, Safety and Management, Barcelona, Spain. 15. Progress in optical devices and materials: proceedings 2007 annual workshop of the IEEE/LEOS Benelux Chapter, Technische Universitites Eindhoven, May, 2007. Editors: B. Huiszoon, P. J. Urban, and C. Caucheteur 16. Sarazin G, Newhook JP. (2004) Strain monitoring techniques for FRP laminates. Proceedings of the 2nd international conference on FRP in civil engineering, Adelaide. 17. Translucent Concrete: www.andreasbittis.de 	23-28				
6.	<table border="1" data-bbox="124 1070 1422 1160"> <tr> <td data-bbox="124 1070 331 1115">Authors:</td> <td data-bbox="331 1070 1422 1115">Resmi Ramachandran Pillai</td> </tr> <tr> <td data-bbox="124 1115 331 1160">Paper Title:</td> <td data-bbox="331 1115 1422 1160">Enhanced Semantic Preserved Concept Based Mining Model for Enhancing Document Clustering</td> </tr> </table> <p>Abstract: The project “Enhanced semantic preserved concept based mining model for enhancing document clustering” proposes the enhancement of data mining model for efficient information retrieval. Concept based mining model is a challenging and a red hot field in the current scenario and has great importance in text categorization applications. A lot of research work has been done in this field but there is a need to categorize a collection of text documents into mutually exclusive categories by extracting the concepts or features using supervised learning paradigm and different classification algorithms. This project aims to Develop a concept based mining model for preserving the meaning of sentence using semantic net & synonym dictionary. The new concept definition can be expressed in the form of a triplet <subject, verb, object>. This triplet is the basic unit for the processing and preprocessing tasks. For increasing the performance, SVD (Singular Value Decomposition) is used.</p> <p>Keywords: SVD, Concept, Categories, algorithms, clustering.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Jason D. M. Rennie, Lawrence Shih, Jaime Teevan, David R. Karger, “Tackling The POOR Assumption Of Naïve Bayes Text Classifier”, Proceedings Of The Twentieth International Conference On Machine Learning (ICML-2003), Washington DC, 2003. 2. T. Mouratis, S. Kotsiantis, “Increasing The Accuracy Of Discriminative Of Multinomial Bayesian Classifier In Text Classification”, ICCIT’09 Proceedings Of The 2009 Fourth International Conference On Computer Science And Convergence Information Technology. 3. B. Rosario And M.A. Hearst, “Semantic Relation In Bioscience Text”, Proc. 42nd Ann. Meeting On Assoc For Computational Linguistics, Vol. 430, 2004. 4. M. Craven, “Learning To Extract Relations From Medline”, Proc. Assoc. For The Advancement Of Artificial Intelligence. 5. Oana Frunza et al., “A Machine Learning Approach For Identifying Disease-Treatment Relations In Short Texts”, May 2011 6. L. Hunter And K. B. Cohen, “Biomedical Language Processing: What’s Beyond Pubmed?” Molecular Cell, Vol. 21-5, Pp. 589-594, 2006. 7. Jeff Pasternack, Don Roth “Extracting Article Text From Webb With Maximum Subsequence Segmentation”, WWW 2009 MADRID. 8. Abdur Rehman, Haroon A. Babri, Mehreen saeed, “Feature Extraction Algorithm For Classification Of Text Document”, ICCIT 2012. 9. Adrian Canedo-Rodriguez, Jung Hyoun Kim, et al., “Efficient Text Extraction Algorithm Using Color Clustering For Language Translation In Mobile Phone”, May 2012. 10. U.Y. Nahm and R.J. Mooney, “A Mutually Beneficial Integration of Data Mining and Information Extraction,” Proc. 17th Nat’l Conf. Artificial Intelligence (AAAI’00), pp. 627-632, 2000. 11. B. Frakes and R. Baeza-Yates, Information Retrieval: Data Structures and Algorithms. Prentice Hall, 1992. 	Authors:	Resmi Ramachandran Pillai	Paper Title:	Enhanced Semantic Preserved Concept Based Mining Model for Enhancing Document Clustering	29-34
Authors:	Resmi Ramachandran Pillai					
Paper Title:	Enhanced Semantic Preserved Concept Based Mining Model for Enhancing Document Clustering					
	<table border="1" data-bbox="124 1951 1422 2040"> <tr> <td data-bbox="124 1951 331 1995">Authors:</td> <td data-bbox="331 1951 1422 1995">Rohit Kulkarni, Raghendra Singh, Piyush Mathur</td> </tr> <tr> <td data-bbox="124 1995 331 2040">Paper Title:</td> <td data-bbox="331 1995 1422 2040">Saving Battery of Mobile Station & Response Time by Server with Compression</td> </tr> </table> <p>Abstract: There are some mobile applications which receive the information from application servers by user generated queries. Processing the request on the mobile devices drain the mobile battery. On the other hand, processing user-queries at application servers causes increased response time because of the communication latency</p>	Authors:	Rohit Kulkarni, Raghendra Singh, Piyush Mathur	Paper Title:	Saving Battery of Mobile Station & Response Time by Server with Compression	
Authors:	Rohit Kulkarni, Raghendra Singh, Piyush Mathur					
Paper Title:	Saving Battery of Mobile Station & Response Time by Server with Compression					

7.	<p>during transmission of the large size query. In this thesis work, to minimize battery drain as well as response time query processing on one mid network node (Relay Node) had done. Leasing processing power form mid network node may decrease battery usage on the mobile devices and response times, so that is totally depend on service provider how much it has to lease? The trade of processed data with response time, memory required & energy required is studied. The dynamic programming approach for the optimality to distribute the amount of query processing load on relay node is also used. Here I extended our work with the compression & encryption. LZ4-HC compression technique is used to minimize the size of data so that its processing is automatically decreased thereby it's obvious that there is further more save of battery. At mobile station compression is done. We do feature extraction at relay node as a part of query processing. Encryption is also applied to the extracted features for security purpose at relay node. On the other hand, at application server feature decryption has done with training & classification which are application level functions.</p> <p>Keywords: AES, Artificial Neural Network (ANN), Feature, Extraction, LZ4-HC.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Network Assisted Mobile Computing with Optimal Uplink Query Processing by Carri W. Chan, Member, IEEE, Nicholas Bambos, Member, IEEE, and Jatinder Singh, Member, IEEE, 2. Modular Audio Recognition Framework v.0.3.0.6 (0.3.0 final) and its Applications by the The MARF Research and Development Group. 3. Dynamic Programming and Optimal Control Volume I by Dimitri P. Bertsekas. 4. AES Algorithm Using 512 Bit Key Implementation for Secure Communication by Rahul Jeurkar & Shrikrishna Chopade. 5. Review of Feature Extraction Techniques in Automatic Speech Recognition by Shanthi Therese S., Chelpa Lingam. 6. The process of Feature Extraction in Automatic Speech Recognition System for Computer Machine Interaction with Humans: A Review Bhupinder Singh, Rupinder Kaur, Nidhi Devgun, Ramandeep Kaur. 	35-41
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8.	Authors:	Purohit Megha, Raunak Jangid, Kapil Parikh, Ashish Maheswari	42-51
	Paper Title:	Flow Analysis of Transmission System Incorporating STATCOM	
<p>Abstract: In this modern age of technological development demand of the electrical energy is increasing where generation and transmission capacity is not increasing at same rate. This gives constraints on the power system. The erection of a new transmission line is not an easy task especially in the developing countries like India. So a power system engineer must try to use existing transmission lines up to their stability limits. Operating the lines near or above thermal stability limits makes system vulnerable to faults moreover it also increases the losses in the system. One way to increase the transmission capacity of the system without operating it to its thermal stability limit is to provide reactive power compensation at various locations. Reactive power compensation improves the voltage profile of the system, increase the power transfer in the lines and reduce losses. STATCOM is one such device that is used for reactive power compensation. It provides reactive power compensation thereby improving the voltage profile of the system. In this thesis reactive power compensation is attempted using STATCOM. To study its affect Load flow study is performed on IEEE 5 bus; IEEE 14 bus and IEEE 30 bus with and without STATCOM incorporated and the results are then compared to show the effect of STATCOM on the system. NEWTON RAPHSON method is used for the load flow study of the system.</p> <p>Keywords: STATCOM, FACTS, IEEE-5 bus, IEEE-14 bus, IEEE_30 bus.</p> <p>References:</p> <ol style="list-style-type: none"> 1. K.R.Padiyar and A.M.Kulkarni, "FACTS- Flexible AC Transmission System: A Status Review", sadhna, Vol. 22, No. 6, December 1997, pp. 781-796. 2. Joseph Mutale and Goran Strbac, "Transmission Network Reinforcement versus FACTS: An Economic Assessment", IEEE Transaction on Power Systems, Vol. 15, No. 3, August 2000, pp. 961-967. 3. Diego Soto "Comparison of High-Power Converter Topologies for the Implementation of FACTS Controllers", IEEE Transactions on Industrial Electronics, Vol. 49, No. 5, October 2002, pp. 1072-1080. 4. Ying Xiao, Y.H.Song and Chen-Ching Liu, "Available Transfer Capability Enhancement Using FACTS Devices", IEEE Transactions On Power Systems, Vol. 18, No. 1, February 2003, pp. 305-312. 5. M. Sh. Misrikhanov, V.F.Sitnikov, and Yu.V.Sharov, "Modal Synthesis of Regulators for an Electrical Power System on the Basis of FACTS Devices", Russian Electrical Engineering, Vol. 78, No. 10, 2007, pp. 22-29. 6. M. Sh. Misrikhanov, V.F.Sitnikov, and Yu.V.Sharov, "Operation Coordination of FACTS Devices in Backbone Networks Based on Fuzzy Logic Methods", Russian Electrical Engineering, Vol. 79, No. 1, 2008, pp. 51-55. 7. Xia Jiang, Joe H. Chow, Abdel-Aty Edris, Bruce Fardanesh, and Edvina Uzunovic, "Transfer Path Stability Enhancement by Voltage-Sourced Converter-Based FACTS Controllers", IEEE Transactions on Power Delivery, Vol. 25, No. 2, April 2010, pp. 1019-1025. 8. K.N.Shubhanga and Anil Kulkarni, "Application of Structure Preserving Energy Margin Sensitivity to Determine the Effectiveness of Shunt and Series FACTS Devices", IEEE Transactions on Power Systems, Vol. 17, No. 3, August 2002, pp. 730-738. 9. Anju Meghwani and A.M.Kulkarni, "Development of a Laboratory Model of SSSC Using RTAI on Linux Platform", Sadhana, Vol. 33, Part 5, October 2008, pp. 643-661. 10. M. Kashki, M.A.Abdido and Y.L.Abdel-Magid, "Pole Placement Approach for Robust Optimum Design of PSS and TCSC-Based Stabilizers Using Reinforcement Learning Automata", Electr Eng, January 2010, pp. 383-394. 11. Mahdi Ghazizadeh Ahsae and Javad Sadeh, "A Novel Fault-Location Algorithm for Long Transmission Lines Compensated by Series FACTS Devices", IEEE Transactions on Power Delivery, Vol. 26, No. 4, October 2011, pp. 2299-2308. 12. Nan Jiang, Bin Liu, Jixin Kang, Yuanwei Jing and Tie Zhang, "The Design of Nonlinear Disturbance Attenuation Controller for TCSC Robust Model of Power System", Nonlinear Dyn, June 2011, pp. 1863-1870. 13. K.V.Patil, J. Senthil, J.Jiang and R.M.Mathur, "Application of Statcom for Damping Torsional Oscillations in Series Compensated AC Systems", IEEE Transactions on Energy Conversion, Vol. 13, No. 3, September 1998, pp. 237-243. 			

8.	Authors:	Sajid Shaikh, Naser Shaikh
	Paper Title:	Fractal Traffic with Reference to Performance Analysis of Call Admission Control in Wireless Mobile Network

9.	<p>Abstract: Call admission control is a provisioning strategy to limit the number of call connections into the networks in order to reduce the network congestion and call dropping. In wireless networks, another dimension is added call connection dropping or simply call dropping is possible due to the user's mobility. A good CAC scheme has to balance the call blocking and call dropping in order to provide the desired QoS requirements. Limited and time-varying wireless resources, user mobility and various application requirements promote the development of adaptive techniques. Focusing on the cell specific mobility, I propose a target utility-based rather than call drop probability-based solution to address the QoS stability intra/inter cell and tradeoff between carried traffic and degradation. Prediction and compensation methods are used in the proposed scheme with little assumption of fractal traffic and user mobility mode.</p> <p>Keywords: About four key words or phrases in alphabetical order, separated by commas. Call admission control, fractal traffic, network.</p> <p>References:</p> <ol style="list-style-type: none"> 1. William C. Y. Lee "Mobile Cellular Telecommunication, Analog and Digital Systems", 1st and 2nd edition McGraw Hill Book, Inc. 2. Andrew S. Tanenbaum, "Computer Networks" Fourth Edition, Pearson Education. 3. Jochen Schiller, "Mobile Communications" Second Edition, Pearson Education. 4. Ajay R. Mishra "Fundamentals of Cellular Networking and Planning and Optimization 2G/2.5G/3G... Evolution to 4G" Wiley 5. Jun-Zhao Sun, "Mobile Ad Hoc Networking: An Essential Technology for Pervasive Computing". Packet Networks" Published in IEEE/ACM Transactions on Networking, February 1997. 6. Yi Zhang and Derong Liu, "An Adaptive Algorithm for Call Admission Control in Wireless Networks" 7. Taub and Schilling, "Principle of Communication Systems" McGraw Hill Book, Inc. Electrical and Electronics Engineering Services. 8. Peyton Z. Peebles, Jr., "Probability, Random Variables, and Random Signal Principles" McGraw Hill Book, Inc. 	52-54				
10.	<table border="1" data-bbox="124 723 1422 813"> <tr> <td data-bbox="124 723 331 763">Authors:</td> <td data-bbox="331 723 1422 763">Fayas A</td> </tr> <tr> <td data-bbox="124 763 331 813">Paper Title:</td> <td data-bbox="331 763 1422 813">Lifting Scheme Based Designing of Wavelets in Spiral Addressing Model on a Hexagonal Grid</td> </tr> </table> <p>Abstract: Image processing in hexagonal grid is very much advantageous than in the conventional rectangular grid. The advantages include higher angular resolution, consistent connectivity and higher sampling efficiency. A wide class of operations on images can be performed directly in the wavelet domain by operating on its coefficients of the images. Operating in wavelet domain enables to operate on different resolutions, manipulate features at different scales and localize the operation in both spatial and frequency domains. A new method of designing hexagonal wavelets using lifting scheme in the spiral addressing scheme is proposed in this thesis. It is computationally efficient because they are not based on Fourier transforms, and could be performed in place.</p> <p>Keywords: Wavelets, lifting scheme, spiral addressing, hexagonal grid.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Golay, M., "Hexagonal parallel pattern transformation". IEEE Transactions on computers, 18(8), pp. 733-740, September, 1969. 2. Mersereau, R.M., "The processing of Hexagonally Sampled Two-Dimensional Signals". Proceedings of the IEEE, 67, pp. 930-949, 1979. 3. Frédéric Chazal, David Cohen-Steiner, André Lieutier, "A sampling theory for compact sets in Euclidean space". Proceedings of the twenty-second annual symposium on Computational geometry SCG '06, ACM. 4. Vitulli, R., "Aliasing effects mitigation by optimized sampling grids and impact on image acquisition chains". Geosciences and Remote Sensing Symposium, 2002. IGARSS '02. 2002 IEEE International, pp. 979-981 vol.2, 2002. 5. W. Sweldens, "The Lifting Scheme: A Construction of Second Generation Wavelets," SIAM J. Math. Analysis, vol. 29, no. 2, pp. 511-546, 1997. 6. I. Daubechies and W. Sweldens, "Factoring Wavelet Transforms into Lifting Steps," J. Fourier Analysis Applications, vol. 4, no. 3, pp. 245-267, 1998. 7. R. Calderbank, I. Daubechies, W. Sweldens, and B.-L. Yeo, "Wavelet Transforms that Map Integers to Integers," Applied and Computational Harmonic Analysis, vol. 5, no. 3, pp. 332-369, 1998. 8. Lee Middleton and Jayanthi Sivaswamy, "Hexagonal Image Processing – A Practical Approach", Springer-Verlag London Limited, 2005. 9. I. Daubechies and W. Sweldens, "Factoring Wavelet Transforms into Lifting Steps," J. Fourier Analysis Applications, vol. 4, no. 3, pp. 245-267, 1998. 10. R. Calderbank, I. Daubechies, W. Sweldens, and B.-L. Yeo, "Wavelet Transforms that Map Integers to Integers," Applied and Computational Harmonic Analysis, vol. 5, no. 3, pp. 332-369, 1998. 11. N. P. Hartman and S. L. Tanimoto, "A Hexagonal Pyramid data structure for Image Processing", IEEE Transactions on Systems, Man, and Cybernetics, SMC- 14(2):247-256, Mar/Apr 1984. 12. A.F.Laine, S.Schuler, W.Huda, and J.C. Honeyman, "Hexagonal wavelet processing of digital mammography", Proceedings of SPIE, vol.1898, pp.559-573, 1993. 	Authors:	Fayas A	Paper Title:	Lifting Scheme Based Designing of Wavelets in Spiral Addressing Model on a Hexagonal Grid	55-60
Authors:	Fayas A					
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11.	<table border="1" data-bbox="124 1666 1422 1756"> <tr> <td data-bbox="124 1666 331 1706">Authors:</td> <td data-bbox="331 1666 1422 1706">Prabha R, Shivaraj Karki, Manjula S. H, K. R. Venugopal, L. M. Patnaik</td> </tr> <tr> <td data-bbox="124 1706 331 1756">Paper Title:</td> <td data-bbox="331 1706 1422 1756">Quality of Service for Differentiated Traffic using Multipath in Wireless Sensor Networks</td> </tr> </table> <p>Abstract: Providing Quality of Service in wireless sensor networks refers to a set of service requirements to be satisfied when transmitting a packet from source to destination. The main challenge involved in quality of service based data transmission is to select the efficient path from source to destination. Quality of service in wireless sensor networks is an important factor. The two most important parameters that hinder the goal of guaranteed event perception are time-sensitive and reliable delivery of gathered information, while minimum energy consumption is desired. In this paper, a multi-traffic, multi-path and energy aware data transmission mechanism is proposed for improving Quality of Service in Wireless Sensor Networks. The simulation results demonstrate that, the algorithms efficiently improve quality of reception ratio, satisfying the required quality of service metrics.</p> <p>Keywords: Differentiated Traffic, End-to-End Delay, Energy, Reliability, Wireless Sensor Networks.</p> <p>References:</p> <ol style="list-style-type: none"> 1. DjamelDjenouri and IllankoBalasingham, "Traffic Differentiation-Based Modular QoS Localized Routing for Wireless Sensor Networks", 	Authors:	Prabha R, Shivaraj Karki, Manjula S. H, K. R. Venugopal, L. M. Patnaik	Paper Title:	Quality of Service for Differentiated Traffic using Multipath in Wireless Sensor Networks	61-66
Authors:	Prabha R, Shivaraj Karki, Manjula S. H, K. R. Venugopal, L. M. Patnaik					
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