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	Paper Title:	Interactive Systems: The Review of Models and System Requirements	
	<b>Abstract:</b> In modern life, people tend to represent the world not merely in 2 dimension, more intuitive, realistic products were demanded. The technology of 3D visualization emerged as the times require. It was widely used in the field of urban planning, military command, and city simulation and so on. Many university, company and institute developed different kinds of 3D software. The disposal, modeling and visualization of 3D data are very important in the construction of digital earth. Now, one can get fine 3D model with software such as 3DMax and so on. But the 3D system is only perfect in visualization without any function of spatial analysis.		
	<b>Keywords:</b> 3D, city simulation, digital earth.		
1.	<b>References:</b>		1-2
	<ol style="list-style-type: none"><li>1. Yingjun Sun, Ning Ding, Guangrong Hao, "The Research and Application of 2D and 3D Interactive System", Second International Conference on Information and Computing Science, published in IEEE Computer Society, 978-0-7695-3634, 2009</li><li>2. Xiao Lebin, "Study on integrated 3D GIS data model and spatial analysis based on raster structure frame", PHD Disertation of the Institute of Geographic Sciences and Natural Resources Research, CAS, 1999.</li><li>3. Lan Qiuping, Li Lijun, Yang Bo, "Application of Dynamic Response Technology between 2D gis and 3D Simulation", Journal of Geomatics, China, vol. 32, pp. 18 – 19, June, 2007.</li><li>4. Huang Jianxi, Guo Lihua, Long Yi, Wu Hehai, "Design and Implementation of Dynamic Response Mechanism between 2D Digital Map and 3D Visualization Scene", Journal of Geomatics, China, vol. 28, pp. 33 – 35, February, 2003.</li><li>5. Yin Wensheng, Dai Lihong, Li Shiqi, "2d and 3d Associated Virtual Reality Simulation System Based on MFC and Vega Software", Computer Simulation, China, vol. 22, pp. 210 – 211, May, 2005.</li><li>6. Liu Dongqin, Xu Wenzhong, Lin Zongjian, "The research and application of integrating the 2D GIS and 3D virtual GIS in digital city information", Science of Surveying and Mapping, China, vol. 31, pp. 53 – 54, January, 2007.</li><li>7. Xie Yilin, Wang Yunjia, "Research and Practice on realizing 3D GIS by Virtual Reality Scene", Engineering of Surveying and Mapping, China, Vol. 15, pp.43 – 46, December, 2006.</li></ol>		
2.	Authors:	Dhanashree M. Shirkey, S. R. Gupta	
	Paper Title:	An Image Mining System for Gender Classification & Age Prediction Based on Facial Features	
	<b>Abstract:</b> The face recognition system with large sets of training sets for personal identification normally attains good accuracy. In the project, we proposed algorithm for Feature Extraction based Face Recognition, Gender and Age Classification with only small training sets and it yields good results even with one image per person. This process involves three stages: Pre-processing, Feature Extraction and Classification. The geometric features of facial images like eyes, nose, mouth etc. are located by using Feature extraction algorithm and face recognition is performed. Based on the texture and shape information, gender and age classification is done by comparing histogram of the query image and the histogram of the images in dataset respectively. By using the proposed work , ratio of 100% for face matching, 90% for gender classification ,and 85% for age classification can be achieved.		
	<b>Keywords:</b> Face Detection, Skin Color Segmentation, Face Features extraction, Features recognition, Fuzzy rules, Histogram, Image mining.		
2.	<b>References:</b>		3-7
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3.	<p><b>Authors:</b> Sreelal Elamana, A. Rathinam</p> <p><b>Paper Title:</b> A Novel Approach to Interarea Oscillation Damping By Using Statcom-Smes System</p>	
	<p><b>Abstract:</b> Interarea oscillations create problems like damage of generators, increase line losses, and increase wear and tear on network components. STATCOM is capable of damping such oscillation and it reduces all the above mentioned problems due to interarea oscillations. In this paper a new controlling technique that uses combination of STATCOM-SMES system is discussed to damp inter area oscillations in an effective manner.</p> <p><b>Keywords:</b> Static Synchronous compensator (STATCOM), Super Conducting Magnetic Energy Storage Systems (SMES), Inter Area Oscillations.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Y.-Y. Hsu, S.-W. Shyue, and C.-C. Su, "Low Frequency Oscillation in Longitudinal Power Systems: Experience with Dynamic Stability of Taiwan's Power System," IEEE Trans. Power Systems, Vol. 2, No. 1, pp. 92–100, Feb. 1987.</li> <li>2. D. N. Koterev, C. W. Taylor, and W. A. Mittelstadt, "Model Validation for the August 10, 1996 WSCC System Outage," IEEE Trans. Power Systems, Vol. 14, No. 3, pp. 967–979, Aug. 1999.</li> <li>3. G. Rogers, Power System Oscillations, Kluwer, Norwell, MA, 2000.</li> <li>4. M. Mahdavian, G. Shahgholian, N. Rasti, "Modelling and Damping Controller Design for Static Synchronous Compensator," IEEE, 978-1-4244-3388, 2009.</li> <li>5. S. Round, Q. Yu, et al, "Performance of a Unified Power Flow Controller Using a d-q Control System," AC and DC Transmission Conference, April 1996.</li> <li>6. N. G. Hingorani, L. Gyugyi, Understanding FACTS, Concepts and Technology of Flexible AC Transmission Systems. IEEE press, 2000.</li> <li>7. R. Mohan Mathur and R. K. Varma, "Thyristor based FACTS Controllers for Electrical Transmission System," IEEE Series on Power Engineering, US, 2002.</li> <li>8. S. Muthukrishnan, Dr. A. Nirmalkumar, G. Muruganath, "Modelling and Simulation Five Level Inverter based UPFC System," India International Journal of Computer Applications (0975 – 8887) Volume 12– No. 11, January 2011.</li> <li>9. R. D. Saxena, K. D. Joshi, G. H. Raisoni, "Application of Unified Power Flow Controller (UPFC) for Damping Power System Oscillations – A Review," International Journal of Engineering Research &amp; Technology (IJERT) Vol. 1 Issue 4, June – 2012.</li> <li>10. A. Kazemi and M. R. Shadmesgaran, "Extended Supplementary Controller of UPFC to Improve Damping Inter-Area Oscillations Considering Inertia Coefficient," International Journal Of Energy, Issue 1, Vol. 2, 2008.</li> <li>11. M. Thangavel, S. Shiny Jasmine, "Enhancement of Voltage Stability and Power Oscillation Damping Using Static Synchronous Series Compensator with SMES," IJART, Vol. 2 Issue 3, 2012, 94-98.</li> <li>12. Ravi Gupta, N. K. Sharma, P. Tiwari, Astha Gupta, Nitisha Nigam, Anubha Gupta, "Application of energy storage devices in power systems," International Journal of Engineering, Science and Technology, Vol. 3, No. 1, 2011, pp. 289-297.</li> <li>13. S. Padma, Dr. R. Lakshmi pathi, K. Ramash Kumar and P. Nandagopal, "A PI Controller for Enhancing the Transient Stability of Multi Pulse Inverter Based Static Synchronous Series Compensator (SSSC) With Superconducting Magnetic Energy Storage (SMES)," International Journal of Electrical and Electronics Engineering, 2010.</li> <li>14. P. Kumkratug and M. H. Haque, "Improvement of Damping of A Power System By STATCOM," IEEE Transactions On Circuits And Systems- 1: REGULAR PAPERS, VOL 55, and NO. 3 APRIL 2009.</li> <li>15. Dr. K. Vadirajacharya, "Super conducting Magnetic Energy Storage Based DVR," International Journal of Engineering Research &amp; Technology (IJERT), Vol. 3, Issue 4, June – 2010.</li> <li>16. D. Harikrishna, N. V. Srikanth, Y. Chandrasekhar, "Improvement of Transient Stability Using Fuzzy Logic Controlled SMES," Majlesi Journal of Electrical Engineering Vol. 5, No. 4, December 2011.</li> <li>17. Nuraddeen Magaji and M. W. Mustafa, "Optimal Location of TCSC Device For Damping Oscillations," Malaysia ARPN Journal of Engineering and Applied Sciences, VOL. 4, NO. 3, MAY 2009.</li> <li>18. Alberto D. Delrosso, Claudio A. Canizares and Victor M. Dona. "A study of TCSC controller Design for Power System Stability Improvement" IEEE Transactions on Power Systems, Feb, 2003, pp 1-10.</li> <li>19. S. Panda, Ramnarayan N. Patel. "Improving Power System Transient Stability with an off-Centre Location of Shunt Facts Devices" Journal of Electrical Engg, vol 57, no 6, 2006, pp 365-368.</li> <li>20. L. Gyugyi, C. D. Schauder, S. L. Torgerson and A. Edris. "The Unified Power Flow Controller: A New Approach to Power Transmission Control." IEEE Transactions on Power Delivery, vol 10, no 2, 1995, p 1088.</li> <li>21. P. K. Dash, S. Mishra and G. Panda. "Damping Multimodal Power System Oscillation using a Hybrid Fuzzy Controller for Series Connected Facts Devices", IEEE Transactions on Power Systems, vol 15, no 4, November, 2000, p 1360.</li> </ol>	8-12
	<p><b>Authors:</b> A. S. Zadgaonkar, Vikas Chandra Pandey, Pratap Singh Pradhan</p> <p><b>Paper Title:</b> Developing a Model to Enhance E-Mail Authentication against E-Mail Address Spoofing Using Application</p>	
	<p><b>Abstract:</b> E-mail is one of the most commonly used communication mechanisms. Most of the recipients and senders desire secure e-mail exchange. Senders want to make sure that the recipient is really the intended recipient, and the message arrives to the recipient confidentially. On the other hand, recipients want to make sure that the sender is the entity who it claims to be, and the arrived message has not been maliciously modified and examined during transmission. These requirements can be satisfied by the e-mail applications that use public key cryptosystem (PKC) as the security base, such as S/MIME and PGP. The main handicap behind the deployment of applications that use PKC is the problem of public key distribution with a legitimate binding with its owner. Moreover, public key management features, such as update, delete operations must be performed in a secure way.</p> <p><b>Keywords:</b> MIME, PKC, threats, attack, Internet, Spam, software.</p>	



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	<b>Authors:</b> Sundaram Arvind Narayan, Sutha Shobana		
<b>Paper Title:</b> Characteristics and Thermal Efficiency of Biofuels: Rubber Seed Oil as a Renewable Energy Source			
5.	<b>Abstract:</b> Biodiesel, Fatty Acid Methyl Esters are alternative diesel fuels. Generally they obtained from renewable bio-sources, chiefly rubber seed oil which is extracted from rubber seeds (Heavea brasiliensis) and is the one with significant potential. In this presentation, the fuel characteristics and thermal efficiency of biodiesel (BD100), diesel (BD00) and a blend of five percent biodiesel (BBD5) by volume of diesel were studied with their performance and the emissions of blend of five percent biodiesel (BBD5) which was comparable to diesel. It is a pattern of research, basic for the development of other bio sources as well.		
	<b>Keywords:</b> Biodiesel, Heavea brasiliensis, Fuel characteristics, Thermal efficiency.		
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<b>Authors:</b> Ankit Patel, Hetal Patel			
<b>Paper Title:</b> Face Mosaicing using Multiresolution Spline: A Review			
<b>Abstract:</b> Image Mosaicing is the act of combining two or more images. It may containe images such that no obstructive boundary exists around overlapped regions. Emphasis is given on to create a mosaic image that contains as little distortion as possible from the original images, as well as preserving the general appearance of the original images. We describe a face mosaicing scheme that generates a composite face image during enrollment based on the evidence provided by frontal and semiprofile face images of an individual. In the this scheme, the side profile images are aligned with the frontal image using a simple registration algorithm, which determine the transformation relating the two			

6.	<p>images. Multiresolution splining is then used to blend the side profiles with the frontal image, thereby generating a composite face image of the user. Experiment conducted on a CMU pose, illumination, expression (CMU PIE) database indicate that face Mosaicing, as described in this paper , offers significant benefits by accounting for the pose variations that are commonly observed in face images.</p> <p><b>Keywords:</b> Face Mosaicing, Face Recognition, Gaussian &amp; Laplacian Pyramids, Multiresolution.</p> <p><b>References:</b></p> <ol style="list-style-type: none"><li>1. Matthew A. Turk, Alex P. Pentland, "Face Recognition Using Eigen faces," Proc. IEEE Conference on Computer Vision and Pattern Recognition: 586–591. 1991.</li><li>2. M.-H. Yang, D. Kriegman, and N. Ahuja." Detecting faces in images: A survey". IEEE Transactions on Pattern Analysis and Machine Intelligence, 24(1):34–58, January 2002.</li><li>3. X. Zhang*, Y. Gao., "Face Recognition across pose: A review". 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Poornima, "Image registration &amp; Nose detection using affine transformation" Int.J.Computer Technology &amp; Applications ,Vol 4 (2),209-216.</li></ol>		21-25		
	<table><tr><td><b>Authors:</b></td><td><b>Vinod Kumar K, Jatin Das D</b></td></tr><tr><td><b>Paper Title:</b></td><td><b>Advanced Detecting and Defensive Coding Techniques to prevent SQLIAs in Web Applications: A Survey</b></td></tr></table> <p><b>Abstract:</b> SQL injection attacks are more dangerous than other web attacks because these attacks can get sensitive data stored in the database by manipulating the original SQL queries. In spite of different tools and frameworks to detect and prevent SQL Injection, it is still a top most threat to web applications. In this paper, we provide detailed survey of different coding techniques along with recent trends in detecting and preventing SQLIAs' that can be used to develop secured web applications.</p> <p><b>Keywords:</b> Web applications, SQL Injections.</p> <p><b>References:</b></p>	<b>Authors:</b>	<b>Vinod Kumar K, Jatin Das D</b>	<b>Paper Title:</b>	<b>Advanced Detecting and Defensive Coding Techniques to prevent SQLIAs in Web Applications: A Survey</b>
<b>Authors:</b>	<b>Vinod Kumar K, Jatin Das D</b>				
<b>Paper Title:</b>	<b>Advanced Detecting and Defensive Coding Techniques to prevent SQLIAs in Web Applications: A Survey</b>				

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8.	<table><tr><td>Authors:</td><td>R. V. Wanjari, T. C. Parshiwanikar</td></tr><tr><td>Paper Title:</td><td>Design and Analysis of Camshaft by Changing Parameters which Causes Failure</td></tr></table> <p><b>Abstract:</b> Camshaft can be defined as a machine element having the curve outlined or a curved grooved, gives the predetermined specified motion to another element called the follower. In automotive field, Camshaft and its follower take importance roles to run the engine. Nowadays the car maker have developed the vary schemes of cam profile to match with the engine performance. Since the system deals with high load and high speed and many analyses have been carried out on the failure of the components. The analysis is done either by experimental or finite element analysis. The result from the finite element analysis is an approximate of the component failure. In the mean time, the software development is improving in this few decades. This project aim determines the stress concentration on the cam and followers during normal operation. More over, this project used the camshaft used in Tata safari dicor 2.2L engine in type. Pro-E wildfire 5.0 and Ansys software are used for determination of stress concentration on the components.. In the analysis, the typical values for coefficient of friction, materials, and spring rate are used. The result from finite element analysis showed that the maximum stress concentration occurred at camshaft that leads to the failure of the component. Value for maximum stress is over the allowable stress or rocker arm material. Other components are approximately safe where the maximum stress is not over the allowable stress for components.</p> <p><b>Keywords:</b> Cams and followers; engine speed; failure of camshaft; materials; valves.</p> <p><b>References:</b></p> <div>1. "Camshaft definition by Merriam-Webster". Merriam-webster.com. 2010-08-13. Retrieved 2010-11-07.</div> <div>2. R.S. Khurmi and J.K. Gupta. "Machine Design", a division of S. Chand &amp; Co. Ltd. p.514-515.</div> <div>3. Magnus Hellström. "Engine Speed Based Estimation of the Indicated Engine Torque", Reg nr: LiTH-ISY-EX-3569-2005 16th February 2005.</div> <div>4. R. Ipek, B. Selcuk, "The dry wear profile of camshaft" Journal of Materials Processing Technology 168 (2005) 373-376</div> <div>5. W.A. Glaeser and S.J. Shaffer, B a t t e l l e Laboratories "contact fatigue", ASM Handbook, Volume 19: Fatigue and Fracture, ASM Handbook Committee, p 331-336</div> <div>6. "Physics Digest- Part 1", Navneet Publication</div>	Authors:	R. V. Wanjari, T. C. Parshiwanikar	Paper Title:	Design and Analysis of Camshaft by Changing Parameters which Causes Failure	32-34
Authors:	R. V. Wanjari, T. C. Parshiwanikar					
Paper Title:	Design and Analysis of Camshaft by Changing Parameters which Causes Failure					
	<table><tr><td>Authors:</td><td>A. S. Zadgaonkar, Pooja Agrawal, Anju Lata Rathore</td></tr><tr><td>Paper Title:</td><td>Developing an Algorithm to Implement Efficient Intrusion Detection System using Soft Computing</td></tr></table> <p><b>Abstract:</b> During last decades information technologies based on the computer networks play an important role in various spheres of human activity. Information has become the organizations most precious asset. Organizations have become increasingly dependent on the information since more information is being stored and processed on network-based systems. The widespread use of e-commerce has increased the necessity of protecting the system to a very high extent. Problems of great importance are entrusted on them, such as keeping, transmission and automation of information processing. The security level of processed information can vary from private and commercial to military and state secret.</p>	Authors:	A. S. Zadgaonkar, Pooja Agrawal, Anju Lata Rathore	Paper Title:	Developing an Algorithm to Implement Efficient Intrusion Detection System using Soft Computing	
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Paper Title:	Developing an Algorithm to Implement Efficient Intrusion Detection System using Soft Computing					



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	<b>Authors:</b> Mitesh Shah, Hetal Patel	
<b>Paper Title:</b> Design of a New Video Compression Algorithm Using Accordion Function		
<b>Abstract:</b> Among all multimedia applications, transmission of video frames requires large bandwidth and more bytes for storage. To reduce transmission bandwidth and storage memory, video compression is necessary. In this paper our focusing on reducing the storage space for video signal. The proposed technique compresses the video by reducing the spatial, spectral and temporal redundancies of the input video. The temporal redundancy is mainly depending on the co-relation between successive video frames. This redundancy was removed using Accordion function [1]. The accordion function converts the temporal redundancy into the spatial redundancy, which was removed using Discrete Cosine Transform (DCT). The Compression Ratio (CR) achieved for different real time videos was vary from 10 to 30. The CR was found more for those videos having less motion and vice- versa. The values of PSNR was found to be varied between 140 to 155 for different video inputs, while the MSE was varied between 0 to 2.5 for different video inputs.		
<b>Keywords:</b> Accordion, Compression Ratio (CR), Peak Signal to Noise Ratio (PSNR), Mean Signal		

10.	<p>Error (MSE), Discrete Cosine Transform (DCT).</p> <p><b>References:</b></p> <ol style="list-style-type: none"><li>1. Jaya Krishna Sunkara, E Navaneethasagari, D Pradeep, E Naga Chaithanya, D Pavani, D V Sai Sudheer., "A New Video Compression Method using DCT/DWT and SPIHT based on Accordion Representation.", I.J. Image, Graphics and Signal Processing, 4, 28-34, 2012.</li><li>2. Mayank Nema, Lalita Gupta, N.R. Trivedi, "Video Compression using SPIHT and SWT Wavelet" International Journal of Electronics and Communication Engineering.ISSN 0974-2166 Volume 5, Number 1, pp.1-8, 2012.</li><li>3. Dr.B Eswara Reddy, K Venkata Narayana., " A lossless image compression using traditional and lifting based wavelets", Signal &amp; Image Processing : Signal And Image Processing International Journal, Vol.3, No.2, 2012.</li><li>4. S.K Singh, Mahendra Sharma, Priti Singh, Greta Dabre " Advanced Video Compression Technique of H.264 Codec Using SPIHT Algorithm" International Conference on Recent Trends in Information Technology and Computer Science (IRCTITCS), 2011.</li><li>5. Bharathi S.H. , K. Nagabhushana Raju and S. Ramachandran, "Implementation of Horizontal and Vertical Intraprediction Modes for H.264 Encoder", International Journal of Electronics and Communication Engineering, ISSN 0974-2166 Volume 4, Number 1, pp.105-114, 2011.</li><li>6. Huaqing Wang, Qiang Wu, Xiangjian He, Tom Hintz., "Preliminary research on fractal video compression on spiral architecture", Department of Computer Systems,University of Technology, Sydney, 2007.</li><li>7. Gary J. Sullivan, Thomas Wiegand, "Video Compression—From Concepts to the H.264/AVC Standard ", Proceedings of the IEEE, VOL. 93, NO. 1, 2005.</li><li>8. Detlev Marpe, Heiko Schwarz, Thomas Wiegand, "Context-Based Adaptive Binary Arithmetic Coding in the H.264/AVC Video Compression Standard", IEEE Transactions on circuits and systems for video technology, VOL. 13, NO. 7, 2003. Books:</li><li>9. Iain E. G. Richardson, H.264 and MPEG-4 Video Compression, 1st Edn, John Wiley &amp; Sons Ltd, 2003, pp 159-222.</li><li>10. Fred Halsall, Multimedia Communications , 2nd Edn, Pearson Education Asia , 2006, pp 195-261.</li></ol>	40-43				
11.	<table><tr><td><b>Authors:</b></td><td><b>Amandeep Singh B. Bhalla, Amit A. Vankar, L. B. Zala</b></td></tr><tr><td><b>Paper Title:</b></td><td><b>Runway Pavement Design of a proposed Airport with the use of FAARFIELD Software</b></td></tr></table> <p><b>Abstract:</b> The Fedara International Airport is a proposed international airport near Fedara in Gujarat state in India. This airport will be proposed in India with a total area of 7,500 hectares (85 km from Ahmedabad). The need for a new international airport was felt because of rising international passenger traffic at the existing airport at Hansol, which despite a new world-class international terminal, is expected to face expansion constraints in the future. In general, the soil type in the Fedara is fine (shrinkage and swelling characteristics) calcareous and mostly saline. Generally, construction of rigid structures on such soils is not deemed feasible. Even in the case of flexible structures, though the settlements occur uniformly, such heavy settlements are not permissible. The need for improving ground conditions prior to commencement in construction activity is extremely critical. The aim behind this paper is to evaluate the flexible pavement thickness analysis by testing subgrade soil using FAARFIELD software.</p> <p><b>Keywords:</b> Dholera Special Investment Region, FAARFIELD, Runway Pavement Design, Soil Subgrade Improvement.</p> <p><b>References:</b></p> <ol style="list-style-type: none"><li>1. Airport Pavement Design and Evaluation Federal Aviation Administration Advisory Circular 150/5320 – 6E</li><li>2. CRISIL analysis, Gujarat Infrastructure Development Board, Chapter 8 Airports, Dec 2008</li><li>3. CRISIL analysis Gujarat Infrastructure Development Board, Vol 1 August, 2009</li><li>4. DDP-DSIRDA (Development draft plan- Dholera Special Investment Region Development Association)</li><li>5. Norman J Ashford, Saleh A Mumiaz, PH Wright, Airport Engineering, 4th Edition, John Wiley &amp; Sons INC.</li><li>6. Robert Horenjeff, Francis X Mckelvey, William J Sproule, Seth B young Planning and Design of Airports, 5th Edition, McGraw Hill.</li><li>7. S.K. Khanna, M.G. Arora, S.S. Jain, Airport Planning and Design, 6th Edition, Nemchand &amp; Bros.</li><li>8. Standards for Specifying Construction of Airports Federal Aviation Administration Advisory Circular 150/5370-10 F</li><li>9. <a href="http://articles.timesofindia.indiatimes.com/2010-03-30/ahmedabad/28132955_1_new-airport-third-runway-airports-authority">http://articles.timesofindia.indiatimes.com/2010-03-30/ahmedabad/28132955_1_new-airport-third-runway-airports-authority</a></li><li>10. <a href="http://articles.timesofindia.indiatimes.com/2009-01-18/ahmedabad/28020640_1_changi-greenfield-airport-fedara">http://articles.timesofindia.indiatimes.com/2009-01-18/ahmedabad/28020640_1_changi-greenfield-airport-fedara</a></li><li>11. <a href="http://articles.timesofindia.indiatimes.com/2009-02-08/ahmedabad/28031061_1_ahmedabad-airport-airport-project-fedara">http://articles.timesofindia.indiatimes.com/2009-02-08/ahmedabad/28031061_1_ahmedabad-airport-airport-project-fedara</a></li><li>12. <a href="http://en.wikipedia.org/wiki/Fedara">http://en.wikipedia.org/wiki/Fedara</a></li><li>13. <a href="http://www.gidb.org/cms.aspx?content_id=156">http://www.gidb.org/cms.aspx?content_id=156</a></li><li>14. <a href="http://www.gidb.org/cms.aspx?content_id=158">http://www.gidb.org/cms.aspx?content_id=158</a></li></ol>	<b>Authors:</b>	<b>Amandeep Singh B. Bhalla, Amit A. Vankar, L. B. Zala</b>	<b>Paper Title:</b>	<b>Runway Pavement Design of a proposed Airport with the use of FAARFIELD Software</b>	44-49
<b>Authors:</b>	<b>Amandeep Singh B. Bhalla, Amit A. Vankar, L. B. Zala</b>					
<b>Paper Title:</b>	<b>Runway Pavement Design of a proposed Airport with the use of FAARFIELD Software</b>					
12.	<table><tr><td><b>Authors:</b></td><td><b>Devang G. Patel, F. S. Umrigar, C. B. Mishra, Amit A. Vankar</b></td></tr><tr><td><b>Paper Title:</b></td><td><b>Road Safety Audit of Selected Stretch from Umreth Junction to Vasad Junction</b></td></tr></table> <p><b>Abstract:</b> Road Accidents are global phenomenon which is occurring all over the world but are very severe in mixed traffic conditions as prevailing in Indian road conditions. Many lives are lost and huge amount of property damage occurs due to accidents. In 2011 only, 121618 people lost their lives in road accident in India. From 2001 to 2011, the decade data shows the fatalities has been increased by 5.8% and the number of persons injured by 2.5%. As per Manual of Road Accidents in India 2011, 39,000 persons are killed and 1.3 lakh peoples are injured in road accidents occurred on all State Highways in 2011 on Indian Roads which consists of 27.4% and 26.1% respectively. This paper represents about Road Safety Audit on SH-83 and SH-188 which are one of the major state highways in the state of Gujarat which connects NH-8 having high traffic frequency of heavy vehicles. Analysis of major accident in the recent decades has concluded that driver’s errors are the major concern for the occurrence of road accident.</p>	<b>Authors:</b>	<b>Devang G. Patel, F. S. Umrigar, C. B. Mishra, Amit A. Vankar</b>	<b>Paper Title:</b>	<b>Road Safety Audit of Selected Stretch from Umreth Junction to Vasad Junction</b>	50-55
<b>Authors:</b>	<b>Devang G. Patel, F. S. Umrigar, C. B. Mishra, Amit A. Vankar</b>					
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	<b>Keywords:</b> Road Accident, Road Safety Audit, Black Spot, Socio-Economic Cost.		
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13.	<b>Authors:</b>	<b>Surya Mani Sharma</b>	
	<b>Paper Title:</b>	<b>Multi Functional Autonomous Robotic System (MARS)</b>	
	<b>Abstract:</b> Implementation of robots for hazardous tasks and in diverse field of exploration and production is not a new thing to today's world. Robots have travelled to farthest distance of universe to heights of sky due to their resistance capability. Today robots have been used in place of humans in order to minimize the project cost and recourse requirement. The following project aims to perform multiple robotic tasks with the help of two units which are linked to each other. This system is capable to perform aerial surveillance and ground investigation. Aerial unit performs the task usually done by today's [1] UAV. This paper To develop a autonomous intelligent robotic system capable of doing ground and aerial surveillance, able in recognizing and tracking various objects, can work in hazardous situations also is capable of remote controlling from any part of world .		
	<b>Keywords:</b> UAV, autonomous intelligent robotic.		
	<b>References:</b> 1. Aber, J. S., Marzloff, I., Ries, J. B., 2010. Small-format aerial photography – Principles, techniques and geoscience applications. Elsevier, Amsterdam 2. Bendea, H., Chiabrando, F., Giulio Tonolo, F., Marenchino, D., 2007. Mapping of archaeological areas using a low-cost UAV the Augusta Bagiennorum test site. In: Proceedings of the XXI International CIPA Symposium, XXI International CIPA Symposium, 01-06 October 2007, Athens, Greece. 3. Eisenbeiss, H., 2004. A mini Unmanned Aerial Vehicle (UAV): System overview and image acquisition. In: The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences, Vol. XXXVI-5/W1, International Workshop on Processing and Visualization using High Resolution Imagery, 18-20 November 2004, Pitsanulok, Thailand. 4. Gruen, A., Eisenbeiss, H., Blaha, M., Sauerbier, M., Fux, P., 2010. UAV Photogrammetry Project Drapham Dzong, Bhutan. SLSA-Jahresbericht 2009, SLSA, Zürich, Switzerland, pp. 61-70. 5. Paparazzi: <a href="http://paparazzi.enac.fr/wiki/Main_Page">paparazzi.enac.fr/wiki/Main_Page</a> (accessed 20 July, 2011)		
14.	<b>Authors:</b>	<b>Surya Mani Sharma, Yugal Verma, Kartik Sekar</b>	
	<b>Paper Title:</b>	<b>Unmanned Aerial Vehicle (UAV)</b>	
	<b>Abstract:</b> The research work in this paper aims to develop an unmanned aerial vehicle equipped with modern technologies various civil military applications. The [1] Unmanned Aerial Vehicle (UAV) market is expected to grow dramatically by 2020, as military, civil and commercial applications continue to develop. Potential changes in air traffic management include the creation of an information management system to exchange information among Air Traffic Management users and providers, the introduction of [2] 4-D navigation, and the development of alternative separation procedures. The impact of each scenario on the future air traffic and surveillance is summarized, and associated issues identified. The paper concludes by describing the need for a UAV roadmap to the future. This paper aims to provide a simple and low-cost solution of an autonomous aerial surveyor, which can do aerial surveillance, recognize and track various objects, able in making simple 3d map of place.		
	<b>Keywords:</b> UAV, Navigation.		
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15.	<b>Authors:</b>	<b>A. S. Zadgaonkar, Suresh Kashyap, Murari Chandra Patel</b>
	<b>Paper Title:</b>	<b>Developing a Model to Detect E-mail Address Spoofing using Biometrics Technique</b>
	<p><b>Abstract:</b> Email changed the way we communicate in today's highly technical world. Its usage increased tremendously in the last few years and millions of user's world wide joined this technological revolution that made the world look so small and at our disposal. The widespread use of email caused the number of warnings being made about the dark side our technological revolution to increase and we are becoming uniquely vulnerable to many mysterious and malicious threats. Viruses, worms, and other forms of malicious software started targeting our email inboxes to propagate. Spam and other forms of unsolicited bulk electronic commerce started filling our email inboxes and invading our privacy. Phishing and other forms of fraud attacks have been using email as their primary communication channel to trick users into giving out their credentials. Email could have been a killer application for the Internet if none of the problems mentioned above exist.</p> <p><b>Keywords:</b> Threats. Viruses, worms, Security, Internet, Email.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. S. Abu-Nimeh, D. Nappa, X. Wang, and S. Nair. A comparison of machine learning techniques for phishing detection. In Proceedings of the eCrime Researchers Summit, 2007.</li> <li>2. Anti-Phishing Working Group. Phishing activity trends - report for the month of December 2007, 2008. <a href="http://www.antiphishing.org/reports/apwg_report_oct_2007.pdf">http://www.antiphishing.org/reports/apwg_report_oct_2007.pdf</a>, accessed on 28.04.08.</li> <li>3. Bank Austria. Faq mobile TAN, 2008. <a href="http://www.bankaustria.at/de/19825.html">http://www.bankaustria.at/de/19825.html</a>, accessed on 25.01.08.</li> <li>4. A. Bergholz, J.-H. Chang, G. Paaß, F. Reichartz, and S. Strobel. Improved phishing detection using model-based features. 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	<b>Authors:</b>	<b>Shreya Kaushal, Surbhi Sharma</b>
	<b>Paper Title:</b>	<b>A 2x2 FPGA based WRAP Tested for Colored Image Transmission in MIMO Systems</b>
	<p><b>Abstract:</b> The paper deals with the utilization of MATLAB for simulation and analysis of the colored image transmission over multiple input multiple outputs (MIMO). In the proposed algorithm, we applied source coding scheme with convolution channel coding as well as space-time block coding techniques, associated with QAM modulation method, to improve colored image transmission performance. The data obtained from the colored image is encoded using STBC based on Alamouti transmitter diversity scheme in which we have used two transmitter antennas and two receiving antenna and two transmitter and one receiver also. The transmission is done with the help of Rayleigh fading and AWGN channel. With the availability of high data rates by MIMO channel. Images can be transmitted with high reliability. Simulation results show the the quality of the reconstructed image can be significantly improved over only using space time coding. The comparison has been done on the basis of quality of reproduced image by measuring image PSNR based on SNR and BER value for different system model is realized over Xilinx Virtex-4 XC4VFX100FFG1517-11C FPGA based</p>	

	<p>WRAP board.</p> <p><b>Keywords:</b> Bit error rate (BER), FPGA, Peak to signal noise ratio (PSNR), Multiple input multiple output (MIMO), WRAP board, Joint source channel coding, Space time block coding (STBC).</p> <p><b>References:</b></p> <ol style="list-style-type: none"><li>1. Rohde and Schwarz, Introduction to MIMO, Application note.</li><li>2. M. Rupp, A.burg, "Rapid prototyping for wireless designs: the five-ones approach", Signal Processing, vol 83, pp.1427-1444, 2003.</li><li>3. "WARP:<a href="http://warp.rice.edu">http://warp.rice.edu</a>"</li><li>4. P.Murphy, A.Sabharwal, "Design of WARP: a wireless open-access research Platform", Proc. EURASIP XIV European Signal Processing Conference, 2006.</li><li>5. "WARP Repository:<a href="http://warp.rice.edu/trac">http://warp.rice.edu/trac</a>"</li><li>6. Luis G. Barbero, John S, Thompson, "Performance analysis of a fixed-complexity sphere decoder in high-dimensional MIMO systems, ICASSP 2006 Proceedings, vol 4,2006.</li><li>7. Shahriar kaiser, Md. Sakib Rijwan, "Salt and Pepper Noise Detection and removal by tolerance based selective arithmetic mean filtering technique for image restoration", Internation Journal Of Computer Science And Network Security, vol 8, no 6, 2008.</li><li>8. "<a href="http://en.wikipedia.org/wiki/user:renato/PSNR">http://en.wikipedia.org/wiki/user:renato/PSNR</a>"</li><li>9. "<a href="http://multimediatechnology.google.com/svnhistory/r7/trunk/lab2/jpeg/info/PSNR.pdf">http://multimediatechnology.google.com/svnhistory/r7/trunk/lab2/jpeg/info/PSNR.pdf</a>"</li><li>10. Z.Wang and A.C.Bovik, "A universal image Quality index", IEEE Signal Processing Letters, vol 9, no 3,2002.</li><li>11. D.Gesbert, M.Shafi, "From Theory To Practice: an overview of MIMO Space time coded wireless systems", IEEE Journal On Selected Areas In Communication, vol 21, no 3, pp 281-302,2003.</li><li>12. Dales Bates, Soren Henriksen, "A 4x4 FPGA based wireless testbed for LTE applications", IEEE 19th International Symposium, pp 1-5, 2008.</li><li>13. Duan Jinghong, Deng Yaling Kun, "Deveopment Of image processing system based on DSP and FPGA", International Conference On Electronic Measurements And Instruments, pp 791-794, 2007</li></ol>	66-70				
	<table><tr><td><b>Authors:</b></td><td><b>A. S. Zadgaonkar, Suraj Prasad Keshari, Savita Ajay</b></td></tr><tr><td><b>Paper Title:</b></td><td><b>A Model for Identifying Phishing E-Mail Based on Structural Properties</b></td></tr></table> <p><b>Abstract:</b> The widespread use of email caused the number of warnings being made about the dark side of our technological revolution to increase and we are becoming uniquely vulnerable to many mysterious and malicious threats. Viruses, worms, and other forms of malicious software started targeting our email inboxes to propagate. Spam and other forms of unsolicited bulk electronic commerce started filling our email inboxes and invading our privacy. Phishing and other forms of fraud attacks have been using email as their primary communication channel to trick users into giving out their credentials. Email could have been a killer application for the Internet if none of the problems mentioned above exist.</p> <p><b>Keywords:</b> Phishing, email, privacy, software, Virus, computing.</p> <p><b>References:</b></p> <ol style="list-style-type: none"><li>1. M. Chandrasekaran, R. Chinchani and S. Upadhyaya, PHONEY: Mimicking user response to detect phishing attacks, To appear at TSPUC 2005 Workshop, affiliated with IEEE WoWMoM.</li><li>2. Christine E. Drake, Jonathan J. Oliver, and Eugene J. Koontz, Anatomy of Phishing E-mail First Conference on E-mail and Anti-Spam, 2004.</li><li>3. CNET News, Phishing attacks skyrocket in 2004, 2004.</li><li>4. Harris Drucker, Donghui Wu, and Vladimir N. Vapnik, Support vector machines for Spam categorization, IEEE-NN, 10 (1999), pp. 1048--1054.</li><li>5. Debus, JCW and VJ Rayward-Smith, Feature subset selection within a simulated annealing data mining algorithm, Journal of Intelligent Information Systems, (1997).</li><li>6. T. 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<b>Authors:</b>	<b>A. S. Zadgaonkar, Suraj Prasad Keshari, Savita Ajay</b>					
<b>Paper Title:</b>	<b>A Model for Identifying Phishing E-Mail Based on Structural Properties</b>					

	<p><a href="http://www.paulgraham.com/better.html">http://www.paulgraham.com/better.html</a></p> <p>25. M. Sahami, S. Dumais, D. Heckerman, and E. Horvitz, "A bayesian approach to filtering junk e-mail," in Learning for Text Categorization: Papers from the 1998 Workshop. Madison, Wisconsin: AAAI Technical Report WS-98-05, 1998. [Online]. Available: <a href="http://robotics.stanford.edu/users/sahami/papers-dir/spam.ps">http://robotics.stanford.edu/users/sahami/papers-dir/spam.ps</a></p> <p>26. I. Rigoutsos and T. Huynh, "Chung-kwei: a pattern-discovery-based system for the automatic identification of unsolicited e-mail messages (spam)," in Proceedings of the First Conference on Email and Anti-Spam (CEAS), 2004. [Online]. Available: <a href="http://www.ceas.cc/papers-2004/153.pdf">http://www.ceas.cc/papers-2004/153.pdf</a></p>	
18.	<b>Authors:</b>	<b>Pallavi, Reecha Sharma</b>
	<b>Paper Title:</b>	<b>Study of the Nighttime Context Enhancement Algorithms</b>
	<p><b>Abstract:</b> Nighttime video enhancement is one of the most important components in video research as many objects can't be seen due to poor illumination of the video. The purpose of video enhancement is to improve the visual appearance of the video. In this paper, an overview of video enhancement algorithms are discussed in which the context of the high quality daytime image is added to low quality nighttime image which thus improves the background of the nighttime image, hence enhancing the foreground of the video. In this paper the advantages and issues of the algorithms are also being discussed and a comparative study is done.</p> <p><b>Keywords:</b> Video enhancement, Gradients, Denighting, Frame Subtraction.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Zheng Liu, Erik Blasch, ZhiyunXue, JiyingZhao, RobertLaganie're and Wei Wu Abstr, "Objective Assessment of Multiresolution ImageFusion Algorithms for ContextEnhancementin Night Vision: A Comparative Study", IEEE Transactions On Pattern Analysis And Machine Intelligence, Vol. 34, No. 1, January 2012.</li> <li>2. Heng Su, Liang Tang, Ying Wu, Daniel Tretter and Jie Zhou, "Spatially Adaptive Block-Based Super-Resolution", IEEE Transactions On Image Processing, Vol. 21, No. 3, March 2012</li> <li>3. Jagpal Singh Ubhi, JaspreetKaur, "Enhancement of Context by Image Fusion", Proceedings of the World Congress on Engineering, Vol II, July, 2011.</li> <li>4. YunboRao, Zhongho Chen, Ming-Ting Sun, Yu-Feng Hsu, Zhengyou Zhang, "An effective night video enhancement algorithm" International Conference of Pattern Recognition, 2011.</li> <li>5. R. Raskar, A. Ilie, and J. Yu, "Image fusion for context enhancement and video surrealism", International Symposium on Non-Photorealistic Animation and Rendering, pp. 85-94, 2004.</li> <li>6. R.C. Gonzalez and R.E. Woods, "Digital Image Processing," Person Prentice Hall, New Jersey, 2008.</li> <li>7. Y. Cai, K. Huang, T. Tan, and Y. Wang, "Context enhancement of nighttime surveillance by image fusion", ICPR, pp.980-983, 2006.</li> <li>8. AminaSaleem, Azeddine Beghdadi1 and BoualemBoashash, "Image fusion-based contrast enhancement", EURASIP Journal on Image and Video Processing 2012.</li> <li>9. A. Yamasaki, H. Takauji, S. Kaneko, T. Kanade, and H. Ohki, "Denighting: enhancement of nighttime image for a surveillance camera," IEEE, 19th International Conference of Pattern Recognition, 2008.</li> <li>10. YunboRao, Leiting Chen, "A Survey of Video Enhancement Techniques", Journal of Information Hiding and Multimedia Signal Processing Volume 3, Number 1, January 2012.</li> <li>11. Zhou Wang, and Alan C. Bovik, "A Universal Image Quality Index", IEEE Signal Processing Letters, Vol. 9, No. 3, March 2002.</li> <li>12. E. P. Bennett and L. McMillan, "Video enhancement using per-pixel virtual exposures", In Proc. of ACM SIGGRAPH, volume 24, July 2005.</li> <li>13. Liu Lei, Piao Yan, Liu Xiaoyu, "Enhancement of Nighttime Images for a Surveillance Camera" IEEE International Conference on System of Systems Engineering (SoSE), 2012.</li> </ol>	75-78
18.	<b>Authors:</b>	<b>Akhil Gupta, Randhir Singh, Jang Bahadur Singh, Parveen Lehana</b>
	<b>Paper Title:</b>	<b>To Investigate the Effect of Microwaves Treated Water on Growth of Brassica Seeds</b>
	<p><b>Abstract:</b> Microwaves spans a range from 300 MHz to 300 GHz. Although these waves have been used in many electronic appliances for the welfare of human beings, they may be very harmful for living beings. The bad effects of microwaves have also been investigated for several crops. This paper investigates the effect of microwaves treated water on the growth rate of Brassica seeds. During investigations, the other control variables such as temperature, humidity, sun light and level of gases (CO<sub>2</sub>, N<sub>2</sub>, and O<sub>2</sub>) were maintained constant. It has been observed that microwaved water exposed for a specific power level and duration showed better growth rate as compared to normal water for the development of Brassica seeds.</p> <p><b>Keywords:</b> Water, Soil, Microwave (MW) and Mustards.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Ishii T.K. (1995), Handbook of Microwave Technology – Vol. 2, Applications, Academic Press, San Diego, p 33 - 50, p 249 – 285.</li> <li>2. Roddy, D. (1986), Microwave technology, Prentice Hall, New Jersey, pp. 363 - 377, pp. 521 - 584, Prentice-Hall, New Jersey.</li> <li>3. T.W. Wong, A. Iskhandar, M. Kamal, S.J. Jumi, N.H. Kamarudin, N.Z. Mohamadzin, and N.H. Mohd Salleh, "Effects of microwave on water and its influence on drug dissolution," Progress In Electromagnetics Research C, Vol. 11, pp121-136, 2009.</li> <li>4. G. Macelloni, S. Paloscia, P. Pampaloni, and R. Ruisi, "Microwave emission features of crops with vertical stems," IEEE transactions on geoscience and remote sensing, vol. 36, no. 1, January 1998.</li> <li>5. G. Brodie, C. Rath, M. Devanny, J. Reeve, C. Lancaster, T. Doherty, G. Harris, S. Chaplin, C. Laird, "The effect of microwave treatment on animal fodder," Journal of Microwave Power and Electromagnetic Energy, University of Melbourne, 3010, Victoria, no.46, vol.2, pp. 57-67, 2012.</li> <li>6. O. P. N. Calla, D. M. Sanjeev, M. Alam, D. Hazarika, and L. Ramawat, "Effect of microwave radiation on the electrical parameters of soil," Indian Journal of Radio &amp; Space Physics, vol. 36, pp. 229-233, 2007.</li> <li>7. J. K. Grover, S. Yadav, and V. Vats. Hypoglycemic and antihyperglycemic "Effect of Brassicajuncea diet and their effect on hepatic glycogen content and the key enzymes of carbohydrate metabolism," Mol Cell Biochem. 2002 Dec;241(1-2):</li> </ol>	79-82



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19.	<b>Authors:</b>	<b>Swapnali Sundar Sadamate, V. S. Nandedkar</b>
	<b>Paper Title:</b>	<b>Review Paper on Calculation, Distribution of Trust &amp; Reputation in MANET</b>
	<p><b>Abstract:</b> This paper is Review on Managing trust in a distributed Mobile Ad Hoc Network (MANET) Which is a challenging when collaboration or cooperation is critical to achieving mission and system goals such as reliability, availability, scalability, and reconfigurability. In defining and managing trust in a military MANET, we must consider the interactions between the composite cognitive, social, information and communication networks, and take into account the severe resource constraints. We provide a survey of trust management schemes developed for MANETs and discuss generally accepted classifications, potential attacks, performance metrics, and trust metrics in MANETs. Finally, we discuss future research areas on trust management in MANETs based on the concept of social and cognitive networks.</p> <p><b>Keywords:</b> MANET, Security, Trust.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Jin-Hee Cho; Swami, A.; Ing-Ray Chen; "A Survey on Trust Management for Mobile Ad Hoc Networks", Communications Surveys Tutorials, IEEE, vol.13, no.4, pp.562-583, Fourth Quarter 2011.</li> <li>2. Jared Cordasco1, Susanne Wetzel1; "Cryptographic Versus Trust-based Methods for MANET Routing Security," 2008.</li> <li>3. Jie Li; Ruidong Li; Jien Kato; "Future trust management framework for mobile ad hoc networks," Communications Magazine, IEEE, vol.46, no.4, pp.108-114, April 2008.</li> <li>4. Lacharite, Y.; Dang Quan Nguyen; Maoyu Wang; Lamont, L.; "A trust-based security architecture for tactical MANETS," Military Communications Conference, 2008. MILCOM 2008. IEEE, vol., no., pp.1-7, 16-19 Nov. 2008.</li> <li>5. Wei Gong; Zhiyang You; Danning Chen; Xibin Zhao; Ming Gu; Kwok-Yan Lam; "Trust Based Malicious Nodes Detection in MANET", E-Business and Information System Security, 2009. EBISS '09. International Conference on, vol., no., pp.1-4, 23-24 May 2009.</li> <li>6. Govindan, K.; Mohapatra, P.; "Trust Computations and Trust Dynamics in Mobile Adhoc Networks: A Survey", Communications Surveys Tutorials, IEEE, vol. PP, no.99, pp.1-20, 0.</li> <li>7. Raihana Ferdous, Vallipuram Muthukumarasamy, Abdul Sattar; "Trust Management Scheme for Mobile Ad-Hoc Networks", 2010 10th IEEE International Conference on Computer and Information Technology (CIT 2010).</li> <li>8. A. A. Pirzada and C. McDonald, "Trust establishment in pure ad-hoc networks," Wireless Personal Communications, vol. 37(1-2), pp. 139-168, 2006</li> <li>9. S. Buchegger and J. L. Boudec, "A robust reputation system for P2P and mobile ad-hoc networks," in In Proc. 2nd Workshop on Economics of Peer-to-Peer Systems, 2004.</li> <li>10. Z. Liu, A. W. Joy, and R. A. Thompson, "A dynamic trust model for mobile ad hoc networks," in IEEE International Workshop on Future Trends of Distributed Computing Systems, FTDCS'04, pp. 80-85, May 2004.</li> <li>11. M. Virendra, M. Jadhwal, M. Chandrasekaran, and S. Upadhyaya, "Quantifying trust in mobile ad-hoc networks," in International Conference on Integration of Knowledge Intensive Multi-Agent Systems, pp. 65-70, April 18-21, 2005.</li> <li>12. S. S. Park, J. H. Lee, and T. M. Chung, "Cluster-based trust model against attacks in ad-hoc networks," in Third International Conference on Convergence and Hybrid Information Technology, pp. 526-532, 2008.</li> <li>13. D. Quercia, S. Hales and L. Capra, "Lightweight distributed trust propagation," in The Seventh IEEE International Conference on Data Mining, pp. 282-291, 2007.</li> </ol>	83-88
20.	<b>Authors:</b>	<b>Luaay A. shihab</b>
	<b>Paper Title:</b>	<b>Information Hiding Using 8 Bit Image</b>
	<p><b>Abstract:</b> Steganography is the process of hiding a secret message within a larger one in such a way that someone cannot know the presence or contents of the hidden message. The purpose of Steganography is to maintain secret communication between two parties. This paper will show how steganography is used in a modern context while providing a practical understanding of what steganography is and how to accomplish it. Digital watermarking is one of the proposed solutions for copyright protection of multimedia data. This technique is better than Digital Signatures and other methods because it does not increase overhead. Digital Watermarking describes methods and technologies that hide information, for example a number or text, in digital media, such as images, video or audio. The embedding takes place by manipulating the content of the digital data, which means the information is not embedded in the frame around the data. In this paper cryptography based Blind image watermarking technique presented that can embed more number of watermark bits in the gray scale cover image without affecting the imperceptibility and increase the security of watermark. In this research colored images are used to hide Arabic and English texts. The images with BMP extension are used for such hiding operation. The reason behind using BMP type is offering because of its more accuracy in showing the image without any of compressed data and it is considered to be the most used format in hiding operation, in addition it can handle most important color levels such as ( 8 bits). The steganography method applied in this work is executed by Delphi language.</p> <p><b>Keywords:</b> Steganography, encryption, decryption, information hiding, image.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Analysis and Implementation of Distinct Steganographic Methods Kavaklıdere, Ankara/TURKEY 2002.</li> <li>2. information hiding using steganography/muhalim Mohamed amin/university teknologimalaysia 2003.</li> </ol>	89-92

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