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1.	Authors:	Ashish Kumar Atri	1-5
Paper Title:	Optimization of Real Time Model using Linear Programming and MATLAB		
<p>Abstract: The Reliance Corporation is a large, fully integrated petroleum company based in India. The company produces most of its oil in its own oil field. A large distribution network is used to transport the oil to the company's refineries and then to transport the petroleum products from the refineries to Reliance's distribution centres. This work represents transportation problem and addresses the transportation flow of refined & processed oil from the refineries to the company's distribution centres. The aim is to achieve the minimum cost of transportation flow, since the cost minimization directly relates to the company's profitability of which is representing operation efficiency. The transportation model is converted into linear programming problem and is solved using MATLAB software. The models were studied based on a real time data model and as example of transportation flow of oil from various refineries to various distribution centres.</p> <p>Keywords: Transportation, Linear Programming, MATLAB, OIL Refinery.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Reeb, James Edmund, and Scott A. Leavengood. Transportation problem: a special case for linear programming problems. Corvallis, Or.: Extension Service, Oregon State University, 2002. 2. Sen, Nabendu, Tanmoy Som, and Banashri Sinha. "A study of transportation problem for an essential item of southern part of north eastern region of India as an OR model and use of object oriented programming." <i>International Journal of Computer Science and Network Security</i> 10.4 (2010): 78-86. 3. Chaudhuri, Arindam, and Kajal De. "A Comparative study of Transportation Problem under Probabilistic and Fuzzy Uncertainties." arXiv preprint arXiv:1307.1891 (2013). 4. Salami, A. O. "Application of Transportation Linear Programming Algorithms to Cost Reduction in Nigeria Soft Drinks Industry." <i>World Academy of Science, Engineering and Technology, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering</i> 8.2 (2014): 416-422. 5. Asase, Alfred. The transportation problem; Case study:(Guiness Ghana Limited). Diss. 2011.. 6. Lahrichi, Nadia, et al. "Strategic analysis of the dairy transportation problem." <i>Journal of the Operational Research Society</i> 66.1 (2013): 44-56. 7. Bhatia, H. L., Kanti Swarup, and M. C. Puri. "A procedure for time minimization transportation problem." <i>Indian Journal of pure and applied mathematics</i> 8.8 (1977): 920-929. 			
2.	Authors:	T. Sheeba, Reshmy Krishnan	6-9
Paper Title:	An Approach to Construct Learner Profile Using Ontology		
<p>Abstract: E-Learning is the use of technology to enable people to learn anytime and anywhere. E-Learning depends on learner profile for the retrieval of relevant learning content to the learner. Learner profile describes the way in which a student learns best. It includes information on learner's knowledge, interest, learning preferences and styles, goals, background etc. One of the main issues in constructing learner profile is semantic web. Ontology is used as a standard knowledge representation for the semantic web. This paper suggests an approach to construct ontology based learner profile including static and dynamic characteristics of the learner and update it automatically. Finally an efficient fuzzy semantic retrieval process is proposed for the efficient retrieval of information from learner profile.</p> <p>Keywords: E-Learning, Semantic Web, Learner Profile, Ontology, Fuzzy Semantic Retrieval.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Cuncun, Chongben, Hengsong, "A Personalized Model for Ontology-driven User Profiles Mining", <i>International Symposium on Intelligent Ubiquitous Computing and Education</i>, IEEE 2009. 2. Trong, N Mohammed, L. Delong , and J. Geun. (2009), A Collaborative Ontology-Based User Profiles System, N.T. Nguyen, R. Kowalczyk, and S.-M. Chen (Eds.): LNAI 5796, pp. 540–552, Springer-Verlag Berlin Heidelberg, ICCCI 2009,. 3. ESSI KANNINEN, "LEARNING STYLES AND E-LEARNING", Master of Science Thesis, January, 2009. 4. Jun Zhai, Jianfeng Li and Yan Lin, "Semantic Retrieval Based on SPARQL and Fuzzy Ontology for Electronic Commerce" <i>JOURNAL OF COMPUTERS</i>, VOL. 6, NO. 10, OCTOBER 2011. 5. Jun Zhai, Yan Chen, Yi Yu, Yiduo Liang and Jiatao Jiang, "Fuzzy Semantic Retrieval for Traffic Information Based on Fuzzy Ontology and RDF on the Semantic Web", <i>JOURNAL OF SOFTWARE</i>, VOL. 4, NO. 7, SEPTEMBER 2009. 6. Khaled M. Fouad, "Proposed Approach to Build Semantic Learner Model in Adaptive E-Learning", <i>International Journal of Computer Applications</i> (0975 – 8887), Volume 58– No.17, November 2012. 7. Khaled M. Fouad, Adaptive E-Learning System based on Semantic Web and Fuzzy Clustering", <i>International Journal of Computer Science and Information Security</i>, Vol. 8, No. 9, 2010 . 8. Khaled M. Fouad Ibrahim, Semantic Retrieval and Recommendation in Adaptive E-Learning System, ICCIT, 2012. 9. L. Han and G. Chen, "A Fuzzy Clustering Method of Construction of Ontology-based User Profiles", <i>Advances in Engineering Software</i>, vol. 40(7), 2009, pp. 535-540. 10. Lixin Han, Guihai Chen, "A fuzzy clustering method of construction of ontology-based user profiles", <i>Advances in Engineering Software</i> 40, 535–540, December 2008. 11. Marek, "Updating User Profile using Ontology-based Semantic Similarity", <i>FUZZ- IEEE</i>, August 20-24, 2009. 12. Maria, Akrivi, Costas,George,Constantin,"Creating an Ontology for the User Profile: Method and Applications", 2006. 13. Mateus, Francisco, Victor, Alfredo, Manuel, "A Fuzzy Ontology Approach to represent User Profiles in E-Learning Environments" <i>IEEE</i>, 2010. 14. Mateus Ferreirs-Satler, "Fuzzy ontologies-based user profiles applied to enhance e-learning activities", Springer-Verlag, November 2011. 15. Moshe Leiba, "WEB USAGE PATTERNS AND LEARNING STYLES IN AN ACADEMIC COURSE IN ENGINEERING", accessed July 2013. 16. Qiu Baishuang,"Student Model in Adaptive Learning System based on Semantic Web", <i>First International Workshop on Education Technology and Computer Science</i>,2009. 17. Xin Li and Shi-Kuo Chang, " A Personalized E-Learning System Based on User Profile Constructed Using Information Fusion", 2004 18. Yasser A. Nada," An Approach to Improve the Representation of the User Model in the Web-Based Systems", (<i>IJACSA</i>) <i>International</i> 			

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	Authors:	Sonal M. Wange, Shiv K. Sahu, Amit Mishra	
	Paper Title:	An Efficient Random Iterative Based Particle Swarm Optimization for Intrusion Detection	
	<p>Abstract: In this paper, an efficient intrusion classification has been proposed by the help of association rule and random iterative based particle swarm optimization NSL-KDD dataset has been used for the experimentation. This is done by the separation of nodes by receiving and sending. Then it is examined for malicious behavior. RIPS0 is applied then to examine the approved threshold value for the detection of different intrusion types defined. If the value obtained after RIPS0 iteration passed the threshold assigned, then it will be categorized as the specific intrusion and type will identified. Denial of Service (DoS), User to Root (U2R), Remote to User (R2L) and Probing (Probe) attacks is considered in this paper for intrusion detection. The results show the improvement in detection as compared to the previous method. The average accuracy obtained by our approach is 91.3 %.</p> <p>Index</p> <p>Keywords: RIPS0, Intrusion Detection, DoS, U2R, R2L and Probe.</p> <p>References:</p> <ol style="list-style-type: none"> Alexander O. Tarakanov, Sergei V. Kvachev, Alexander V. Sukhorukov, "A Formal Immune Network and Its Implementation for On-line Intrusion Detection", Lecture Notes in Computer Science Volume 3685, pp 394- 405, 2005. Ranjna Patel, DeepaBakshshi and TriptiArjariya, " Random Particle Swarm Optimization (RPSO) based Intrusion Detection System ", International Journal of Advanced Technology and Engineering Exploration (IJATEE), Volume-2, Issue-5, April-2015 .pp.60-66. MengJianliang,ShangHaikun,Bian Ling," The Application on Intrusion Detection Based on K-means Cluster Algorithm", International Forum on Information Technology and Applications, 2009. Lundin, E. and Jonsson, E. 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	Authors:	Datar Singh Nathawat, Vishnu Goyal	
	Paper Title:	A Symmetric 9 - Level Multilevel Inverter with Minimum Number of Device	
	<p>Abstract: In this paper, an improved technique for Multilevel Inverter. The improved technique using less number of switches than conventional Cascade H- Bridge topology which enhances system performance decreases system complexity and also reduces total cost of the inverter. The main objective of this paper is to increase figure of output level by reducing number of power switches without any complexity in the circuit. The merit of this improved modified technique is to reduce THD and High output voltage level. Multicarrier PWM based techniques used for controlling, firing circuit of switching device. In this paper comparison between proposed improved technique and conventional cascaded H-Bridge inverter done. The number of output voltage level is nine. Simulation is done in MATLAB 2010b environment and the waveforms are obtained. The results are analysed using MATLAB/SIMULINK software.</p> <p>Keywords: Multicarrier PWM (MC-PWM), Cascaded H-Bridge, THD, reduced switches.</p>		15-18
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5.	<p>Authors:</p>	<p>M.V. Dhivya Lakshmi, S.P.G.Bhavani</p>	19-25
	<p>Paper Title:</p>	<p>A Fuzzy Based Power Factor Corrected Bridgeless Converters Fed Bldc Motor</p>	
	<p>Abstract: This paper presents a power factor corrected (PFC) bridgeless (BL) converters-fed brushless direct current (BLDC) motor drive as a cost-effective solution for low-power applications. An approach of speed control of the BLDC motor is by controlling the dc link voltage of the voltage source inverter (VSI). This facilitates the operation of VSI at fundamental frequency switching by using the electronic commutation of the BLDC motor which offers reduced switching losses. A Bridgeless configuration of the various non-isolated converters such as (Buck-boost, CUK, SEPIC) are proposed which offers the elimination of the diode bridge rectifier thus reducing the conduction losses associated with it. The performance of the proposed drive is studied and simulated in MATLAB/Simulink environment.</p> <p>Keywords: Bridgeless (BL) converters, Power factor correction (PFC), Brushless dc motor, PI controller, Fuzzy controller.</p> <p>References:</p> <ol style="list-style-type: none"> 1. “An Adjustable-Speed PFC Bridgeless Buck–Boost Converter-Fed BLDC Motor Drive”, Vashist Bist, Student Member, IEEE, and Bhim Singh, IEEE transactions on industrial electronics, vol. 61, no. 6, June 2014. 2. “Performance Analysis of BLDC Motor Using Basic Switching Converters”, Bikram Das, Suvamit Chakraborty, Abanishwar Chakraborti, Prabir Ranjan Kasari, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-2, Issue-1, December 2012 3. Somanatham.R, Prasad.P.V.N, Rajkumar.A.D, “Modelling and Simulation of Sensorless Control of PMBLDC Motor Using Zero-Crossing Back EMF Detection” IEEE SPEEDAM 2006 International Symposium on Power Electronics, Drives, Automotive and Motion. 4. Bimal K Bose, “Modern Power Electronics and AC Drives”, Pearson Education Asia 2002. 5. Miller. T.J.E., “Brushless permanent magnet and reluctance motor drives”, Clarendon Press, Oxford, 1989. 6. “ Buck-Boost Converter for BLDC Motor Drive to Improve Power Factor”, Besten, Stepanov, Research Script International Journal of Research in Electrical Engineering. 7. “A Novel Approach of Position Estimation, PFC based Buck Boost Converter and Energy generation in BLDC Motor Drive”, Selamparasan. S, Shyamalagowri.M, International Journal of Emerging Technology and Advanced Engineering , Volume 4, Issue 4, April 2014. 8. “PFC Bridge Converter for Voltage-controlled Adjustable-speed PMBLDCM Drive”, Sanjeev Singh, Bhim Singh, Journal of Electrical Engineering & Technology Vol. 6, No. 2, 2011. 9. “A Comparative Analysis of PI & Fuzzy PFC CUK Converter Based PMBLDCM Drive for Air-Conditioner Application”, I.Lakshmana Rao, S.Srikanth, IJEAR Vol. 4, Issue Spl-1, Jan - June 2014 10. “High efficiency Bridgeless Unity Power factor CUK converter Topology”, Aysha Kemaidesh AL-Kaabi, Abbas A. Fardoun and Esam H. Ismail, International Conference on Renewable Energies and Power Quality (ICREPQ'13). 11. “Simulation Of Bridgeless SEPIC Converter With Power Factor Correction Fed DC Motor”, Dr.T. Govindaraj, H.Ashtalakshmi, International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering Vol. 2, Issue 1, January 2014. 12. “An Efficient Closed Loop Controlled Bridgeless CUK Rectifier For PFC Applications”, Shalini.K, Murthy.B, International Journal of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering Vol. 2, Issue 2, February 2014 . 13. “An Efficient Bridgeless PFC Converter Based PMBLDCM Drive”, Jomy Joy, Amal M.R, Rakesh R, Kannan S.A, Anna Raina, International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering Vol. 2, Issue 2, February 2014 14. “A Voltage-Controlled PFC CUK Converter-Based PMBLDCM Drive Using Fuzzy Logic Controller”, Dr.B.SANJIVA RAO, Phd, Mr.M.KONDALU,(Phd). 15. “ Bridgeless Discontinuous Conduction Mode SEPIC Power Factor Correction Rectifier”, Saravanan.S, P. Usha Rani, Vargheese.A, International Journal of Automation and Power Engineering, 2012.. 16. Ramesh.M.V, Amarnath.J, Kamakshaiah.S and Rao.G.S, “Speed control of Brushless DC Motor by using Fuzzy Logic PI Controller”, ARP Journal of Engineering and Applied Sciences, Vol.6, No.9, September 2011. 		
6.	<p>Authors:</p>	<p>Derya Demirkol, Tamer Dag, Taner Arsan</p>	26-30
	<p>Paper Title:</p>	<p>Comparison of Various Indoor Positioning Systems Techniques</p>	
	<p>Abstract: Localization is one of most important topic. GPS is perfectly using outside environment. However it is not possible to use indoor environment. In this paper, Triangulation, Maximum Likelihood and Fuzzy Logic algorithms were developed. Algorithms work with same environment and same conditions. Algorithms were compared each other in order to find better accuracy.</p> <p>Keywords: Indoor positioning, triangulation, maximum likelihood, fuzzy logic, received signal strength, wireless</p>		

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