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	Paper Title:	Data Processing System for LP and their uses in Modern Days	
	<p>Abstract: This paper deals the data processing system for LP and their uses in modern days.</p> <p>Keywords: Linear Programming in data flows & linear approximation. AMS Subject Classification 2010: 90C05.</p> <p>References:</p> <ol style="list-style-type: none">1. E. D. Andersen and Y. Ye (1999), ‘On a homogeneous algorithm for monotone complementarity system’, Math. Program. 84, 375-399.2. H. H. Bauschke, O. Guler, A. S. Lewis and H. S. sendov (2001), ‘Hyperbolic polynomials and convex analysis’, Canad. J. Math. 53, 470-488.3. A. Ben-Tal and A. S. Nemirovski (2001), Leactures on Modern Convex Optimization: Analysis, Algorithms, and Engineering Applications, SIAM, Philadelphia.4. R. E. 13ixby (2002), ‘solving real-world linear programs: A decade and more of progress’, Oper. Res. 50, 3-15.5. S. Boyd and L. Vandenberghe (2004), Convex Optimization, Cambridge University Press.6. S. Boyd, L. El Ghaoui, E. Feron and V. Balakrishnan (1994), Linear Matrix Inequalities in System and Control Theory, Vol. 15 of studies in Applied Mathematics, SIAM.7. R. H. Byrd, J. Nocedal and R. A. Waltz (2006), Knitro: An integrated package for nonlinear optimization. In large-Scale Nonlinear Optimization (G. di Pillo and M. Romma, eds), Springer, New York, pp. 35-59.8. J. S. Chai and K. C. Toh (2007), ‘Preconditioning and iterative solution of symmetric indefinite linear systems arising from interior point methods for linear programming’, Comput. Optim. Appl. 36, 221-247.9. L. Chen and D. Goldfarb (2006), ‘Interior-point 12-penalty methods for nonlinear programming with strong convergence properties’, Math. Program. 108, 1 -36.10. J. Faraut and A. Koranyi (1994), Analysis on Symmetric Cones, Clarendon Press, Oxford.11. L. Faybusovich (1997), ‘Linear systems in Jordan algebras and primal-dual interior-point algorithms’, J. Comput. Appl. Math. 86, 149-175.		
2.	Authors:	K. Prahlad Rao, Mohammed Ahmed Hanash, Gaafar Ahmed AL-Aidaros	
	Paper Title:	Development of Mobile Phone Medical Application Software for Clinical Diagnosis	
	<p>Abstract: Rapid advancements in communication technology have spread to medicine also. Particularly, smartphone technology has made medical provisioning through mobile systems a reality. Innovations in mobile software application are potential benefits to the public health since the mobile platforms became more user-friendly, computationally powerful and are affordable. The innovative mobile apps can contribute in clinical consultation complementing face-to-face interaction in the health care at lower risk to the public. We have developed and evaluated mobile app for smartphone on Android platform to facilitate interaction between the patient and doctor where the patient seeks advice, diagnosis and treatment from the doctor from remote places. The Graphic User Interface (GUI) display screens of the smartphones are incorpotated the medical data needed by the clinician to interpret and respond to information.</p> <p>Keywords: Smartphone; Android; Clinical diagnosis; Doctor app; Patient app.</p> <p>References:</p> <ol style="list-style-type: none">1. Epocrates (2013). Epocrates 2013 mobile trends report: maximizing multi-screen engagement among clinicians. Epocrates: An Athenahealth Company. pp. 1-10. http://www.epocrates.com/oldsite/statistics/2013%20Epocrates%20Mobile%20Trends%20Report_FINAL.pdf.2. Sasan A. (2013). Mobile Health (mHealth) Biomedical Imaging Paradigm. 35th Annual International Conference Proceedings: 35th Annual International Conference of the IEEE EMBS 2013, pp. 6453-7.3. Altini M., Penders J., and Roebbers H. (2010). An Android based body area network gateway for mobile health applications. WH’10, Wireless Health, pp. 188-189.4. Rosenthal MB, Newhouse JP, and Zaslavsky AM. (2005). The Geographic Distribution of Physicians Revisited, Health Services Research. Part I, 40, pp. 1932-52.5. Surana S., Patra R., Nedevschi S., Brewer E. (2008). Deploying a Rural Wireless Telemedicine System: Experiences in Sustainability. Computer, Vol. 41 (6), pp.48-56.6. Wikipedia contributors. “Mobile app”.Wikipedia, The Free Encyclopedia, 25 September 2013. http://en.wikipedia.org/wiki/Mobile_app.7. Patient Apps for Improved Healthcare: From Novelty to Mainstream. IMS Institute for Healthcare Informatics Report. October 2013.8. Pasha M.F., Supramanyam S., et al., (2012). An Android-based Mobile Medical Image Viewer and Collaborative Annotation: Development Issues and Challenges. Int. J of Digital Content Technology and its Applications. Vol. 6, No.1, 2012, pp. 208-217.9. Sears A., Arora R. (2002). Data entry for mobile devices: An empirical comparison of novice performance with Jot and Graffiti. Interacting with computers, Vol. 14, No. 5, pp. 413-433.		
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	Paper Title:	A Survey Paper on Human Identification using Ear Biometrics	
	<p>Abstract: Human identification is about verifying a people for accessing information or permitting to enter in a restricted zone. Using ear as biometric tool has benefits involved in it; subjects never participate actively in the identification or verification process. Ear biometric finds its applications in the crime investigation, stopping ATM fraudulent and prevention of small baby swapping and mixing</p>		

3.	<p>them in hospitals. This paper gives a detailed overview of different technical approaches that have been implemented for identifying subjects. Our survey provides good future prospects for the upcoming researchers in the field of ear biometric.</p> <p>Keywords: Ear Biometric, identification, verification.</p> <p>References:</p> <ol style="list-style-type: none">1. Bertillon A. 'La Photographie Judiciaire: Avec Un Appendice' Sur La Classification Et L'Identification Anthropometriques'. Gauthier-Villars, Paris; 18902. Ibrahim MIS, Nixon MS, Mahmoodi S. 'The effect of time on ear biometrics'. In:International Joint Conference on Biometrics (IJCB); 2011. p. 1 6.3. Kumar A, Wu C. 'Automated human identification using ear imaging'. PatternRecogn. 2012 March;45(3):956{968. Available from: http://dx.doi.org/10.1016/j.patcog.2011.06.005.4. Prakash S, Gupta P. 'An Efficient Ear Recognition Technique Invariant to Illumination and Pose'. 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4.	<table><tr><td>Authors:</td><td>Priyanka Shrivastava, Prashant Purohit, Pushpraj Singh Tanwar, Harishanker Shrivastava</td></tr><tr><td>Paper Title:</td><td>Concepts of Primitive Polynomial and Galois Field in Designing More Randomize PN Sequence Generators for Maximum Fault Coverage in Modern VLSI Testing</td></tr></table> <p>Abstract: This paper deals with the vital role of primitive polynomials for designing PN sequence generators. The standard LFSR (linear feedback shift register) used for pattern generation may give repetitive patterns. Which are in certain cases is not efficient for complete test coverage. The LFSR based on primitive polynomial generates maximum-length PRPG.</p> <p>Keywords: 1. LFSR (linear feedback shift register). 2. PRPG (Pseudo feedback shift register).3 Primitive polynomial 4. Galois field.</p> <p>References:</p> <ol style="list-style-type: none">1. A. Miczo, Digital Logic Testing and Simulation, Second Edition, John Wiley, 20032. Berlekamp, E. R. Algebraic Coding Theory. New York: McGraw-Hill, p. 84, 19683. B. Koenemann. LFSR-coded test patterns for scan de-signs. Proc. Euro. Test Conf., pages 237{242, 19914. B. Konemann, “LFSR-Coded Test Patterns for Scan Designs”, European Test Conference, Munich, 1991.Vol. 10, No.1, pp. 73-82. 1999, pp.358-367.20f	Authors:	Priyanka Shrivastava, Prashant Purohit, Pushpraj Singh Tanwar, Harishanker Shrivastava	Paper Title:	Concepts of Primitive Polynomial and Galois Field in Designing More Randomize PN Sequence Generators for Maximum Fault Coverage in Modern VLSI Testing	14-17
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	<table><tr><td>Authors:</td><td>Lakshmanan K, Anand Mahendran</td></tr><tr><td>Paper Title:</td><td>Identifying Ambiguity Levels in Gene Sequences using Matrix Ins-Del Systems</td></tr></table>	Authors:	Lakshmanan K, Anand Mahendran	Paper Title:	Identifying Ambiguity Levels in Gene Sequences using Matrix Ins-Del Systems	
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5.	<p>Abstract: Ambiguity is one of the important issues not only in natural and programming languages, but also in gene sequences. In programming languages, the ambiguity is defined as existence of (at least) two distinct derivations that yield a same word. Considering in that line, ambiguity in gene sequences may be interpreted as a gene sequence can be obtained by more than one way such that its intermediate gene sequences are different. Analyzing the ambiguity issues in gene sequences will help us to know the evolution of gene sequences. Recently, in [9] a new variant called Matrix insertion-deletion systems has been introduced as a biologically inspired computing model to represent various bio-molecular structures such as pseudoknot, hairpin, stem and loop, attenuator, dumbbell and cloverleaf. But the ambiguity issues of Matrix insertion-deletion systems has not been analyzed in detail yet. In this paper, we formally define various levels (0,1,2,3) of ambiguity for Matrix insertion-deletion systems based on the components used in the derivation such as axiom, context, string (used for insertion/deletion). Next, we relate the newly defined ambiguity levels of Matrix insertion-deletion systems with bio-molecular structures and analyze their ambiguity issues. We notice that ideal language obeys the level 0-ambiguity, stem and loop structure obeys level 1-ambiguity, cloverleaf structure obeys level 2-ambiguity and orthodox language obeys level 3-ambiguity.</p> <p>Keywords: Bio-molecular structures, pseudoknot, stem and loop, Matrix insertion-deletion systems, ambiguity, gene sequence.</p> <p>References:</p> <div>1. Cristian S. Calude and Gheorghe Paun, Computing with cells and atoms, An introduction to Quantum, DNA and Membrane Computing, London: Taylor and Francis, 2001.</div> <div>2. David B. Searls, "Representing genetic information with formal grammars", in Proceedings of the National Conference on Artificial Intelligence, 1988, pp. 386-391.</div> <div>3. David B. Searls, "The linguistics of DNA", in American Scientist, 1992, pp. 579-591.</div> <div>4. David B. Searls, "The computational linguistics of biological sequences (Hunter, L.ed.)", in Artificial Intelligence and Molecular Biology, AAAI Press, 1993, pp.47-120.</div> <div>5. Elena Rivas and Sean R. Reddy, "The language of RNA: A formal grammar that includes pseudoknots", in Bioinformatics, vol. 16., 2000, pp. 334-340.</div> <div>6. Gheorghe Paun, Grzegorz Rozenberg and Arto Salomaa, DNA Computing, New Computing Paradigms. Springer, 1998.</div> <div>7. Gheorghe Paun, Membrane Computing-An introduction. Springer, 2002.</div> <div>8. John E. Hopcroft, Rajeev Motwani and Jeffrey D. Ullman, Introduction to Automata Theory, Languages and Computation. Addison-Wesley, 2006.</div> <div>9. Lakshmanan Kuppasamy, Anand Mahendran and Krishna S, `` Matrix Insertion-Deletion Systems for Bio- molecular Structures", in Proceedings of ICDCIT-2011, LNCS proceedings #6536, 2011, pp. 301-312.</div> <div>10. Rozenberg and Arto Salomaa, Handbook of formal languages, Vol 1, Vol 2, Vol 3, Springer, 1997.</div> <div>11. Setubal., Meidanis.: Introduction to Computational Molecular Biology. PWS Publishing Company, 1997.</div> <div>12. Yasuo Uemura, Aki Hasegawa, Satoshi Kobayashi and Takashi Yokomori, " Tree adjoining Grammars for RNA structure prediction", in Theoretical Computer Science, vol. 210, 1999, pp. 277-303.</div>	18-22				
	<table><tr><td>Authors:</td><td>N. Senthilkumaran, J. Thimmiaraja</td></tr><tr><td>Paper Title:</td><td>A Note on Magnetic Resonance Imaging</td></tr></table>	Authors:	N. Senthilkumaran, J. Thimmiaraja	Paper Title:	A Note on Magnetic Resonance Imaging	
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Paper Title:	A Note on Magnetic Resonance Imaging					
6.	<p>Abstract: Medical image processing goes beyond the limitations. Imaging information considers anatomical, functional and quantitative it produce images of the internal aspect of the body. Recent advances in imaging techniques have made it possible to acquire images in real time during an interventional procedure. In such procedure, usually the real-time images themselves may be sufficient to provide the necessary guidance information needed for the procedure. There are many types of imaging like Magnetic resonance imaging (MRI), Computer Tomography (CT), positron emission tomography (PET) and X-ray. In the above images, MRI is a wide variety of applications in medical diagnosis. MRI can be used to find exact method to find and analysis throughout the body compared to the other imaging Techniques. MRI is used to locate problems such as bleeding, tumours, blood vessel diseases, injury and also it shows the abnormal tissues more clearly.</p> <p>Keywords: Medical Image, MRI.</p> <p>References:</p>	23-26				

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	<div><div>Authors:</div><div>V. R. Vinothini, P. Thangaraj</div></div> <div><div>Paper Title:</div><div>Modified Decision Based Algorithm Unsymmetric Hybrid Trimmed Median Filter Approach for Removing Salt and Pepper Noise in Ultrasound Images</div></div>	
7.	<div><div>Abstract:</div><div>Removing impulse noise from digital image is a very challenging research area in digital image processing. In recent years, technological development has significantly improved in analyzing digital images. This paper proposes a modified decision based unsymmetrical trimmed median filter algorithm for the restoration of gray scale and color images that are highly corrupted by salt-and-pepper noise from digital images, by topological approach. The proposed algorithm replaces the noisy pixel by trimmed median value when other pixel values, 0's and 255's are present in the selected window and when all the pixel values are 0's and 255's then the noise pixel is replaced by mean value of all the elements present in the selected window. The quality of the noise reduction in images is measured by the statistical quantity measures: Root Mean Square Error (RMSE) and Peak-Signal-to-Noise Ratio (PSNR).The proposed algorithm shows better results than the Standard Median Filter (MF), Decision Based Algorithm (DBA) and Modified Decision Based Algorithm (MDBA).</div></div> <div><div>Keywords:</div><div>Hybrid Filters, Median Filter, Noise reduction, Salt-and-Pepper noise, Ultrasound image, Unsymmetrical trimmed median Filter.</div></div> <div><div>References:</div><div><div>1. A. Rosenfeld, "Digital Topology", "American Math. Monthly 86, 1979, pp. 621–630.</div><div>2. R. Gonzalez and R. Woods, "Digital Image Processing", Addison-Wesley, New York, 1992.</div><div>3. T.Acharya and A.K. Ray, "Image processing: principles and applications, John Wiley and Sons", 2005, 116-127.</div><div>4. H. Hu and G. De Haan, "Classification-based hybrid filters for image processing", Proc. SPIE, Visual Communications and Image Processing, Vol. 6077, (2006), 607711.1-607711.10</div><div>5. Mamta Juneja and Rajni Mohana, "An Improved Adaptive Median Filtering Method for Impulse Noise Detection", International Journal of Recent Trends in Engineering, Vol 1, 2009, 274-278.</div><div>6. K. S. Srinivasan and D. Ebenezer, "A new fast and efficient decision based algorithm for removal of high density impulse noise," IEEE Signal Process. Letters, vol.14,no.3,189–192, 2007.</div><div>7. Abdullah Toprak, Inan Güler, "Impulse noise reduction in medical images with the use of switch mode fuzzy adaptive median filter", Science Direct, Digital Signal Processing 17, 711–723 , 2007.</div><div>8. H. Ibrahim, N. S. P. Kong, and T. F. Ng . "Simple adaptive median filter for the removal of impulse noise from highly corrupted images", IEEE Transactions on Consumer Electronics, Vol. 54, No. 4, 1920-1927 , 2008.</div><div>9. Gnanambal Ilango and R.Marudhachalam, "New hybrid filtering techniques for removal of Gaussian noise from medical images", ARPN Journal of Engineering and Applied Sciences, Vol 6, No. 2, 8-12 , 2011.</div><div>10. CH.Sravana Lakshmi, V.Ambika, K.Suri Babu, "Impulse Noise Removal In images Using Modified Trimmed Median Filter: Mat lab Implementation and Comparative Study", International Journal of Engineering Research and Applications Vol. 2, Issue 5, 2163-2166 , 2012.</div><div>11. Gnanambal Ilango and R. Marudhachalam, New hybrid filtering technique for removal of Impluse noise from digital images, International Journal of Mathematical Archive-3(6), 2354-2359, 2012.</div><div>12. Rutuja N. Kulkarni, P.C. Bhaskar, "Decision Based Median Filter algorithm using Resource Optimized FPGA to Extract Impulse Noise", International Journal of Reconfigurable and Embedded Systems, Vol. 3, No. 1, 1-10, 2014.</div><div>13. J.W.Tukey , "Nonlinear (nonsuperposable) methods for smoothing data", in Proc. Congress. Rec. EASCOM'74, 673-681, 1974.</div></div></div>	27-31
8.	<div><div>Authors:</div><div>M. Siva, M. Madhan, D. Ramkumar, S. Mysamy, Nambi Shyam S. Sri Aswin</div></div> <div><div>Paper Title:</div><div>A Probability Review of Missing MH 370 (A Hypothetical Approach)</div></div>	
	<div><div>Abstract:</div><div>Hypothetical theoretical approaches exist worldwide. There are infinite number of solutions for a single problem. Yet the degree of probability could yield us something in this missing mystery. Based on Probability approach the missing MH 370 is investigated here. In this review both probable and technical assumptions are stated and reasoned. Till missing MH 370 is a mystery rather this theoretical approach could reveal that.</div></div> <div><div>Keywords:</div><div>Probability, Technical Data, MH 370, Theoretical approach, Hijack.</div></div> <div><div>References:</div><div><div>1. http://en.wikipedia.org/wiki/Malaysia_Airlines_Flight_370 [Accessed on 7 June 2014]</div></div></div>	32-33

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	<table><tr><td>Authors:</td><td>Nivedita S. Sarode, A. M. Patil</td></tr><tr><td>Paper Title:</td><td>Review of Iris Recognition: An Evolving Biometrics Identification Technology</td></tr></table>	Authors:	Nivedita S. Sarode, A. M. Patil	Paper Title:	Review of Iris Recognition: An Evolving Biometrics Identification Technology	
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Paper Title:	Review of Iris Recognition: An Evolving Biometrics Identification Technology					
	<p>Abstract: A biometric system provides automatic identification of an individual based on a unique feature or characteristic possessed by the individual. Unlike other biometric such as fingerprints and face recognition, the distinct aspect of iris comes from randomly distributed features. Iris recognition is regarded as the most reliable and accurate biometric identification system available. This paper provides the review of related work in the iris recognition. A general framework of the iris recognition system is proposed and finally the advantages and disadvantages of the iris recognition technology are analyzed. It is commonly accepted that users of a biometric system may have differing degrees of accuracy within the system. Some people may have trouble authenticating, while others may be particularly vulnerable to impersonation. The estimation results reveal, as expected, that a wide variety of factors affect security transit times including the number of enplaning seats (reflecting flight schedules), weather conditions, day of week, as well as obvious variables such as traveler volume and the number of open security lanes. The recognition accuracy of a single biometric authentication system is often much reduced due to the environment, user mode and physiological defect. Iris and Retina biometric recognition offers a highly reliable solution to person authentication. Instead of using the entire iris code, only the bits that are consistent in the iris code called the best bits are considered in the feature matching process. This reduces the computational time and storage requirements of iris code. To enhance the performance of recognition, the iris recognition process is applied to left and right irises separately and the corresponding distance scores are generated for each iris of a person. These scores are combined using the weighted sum fusion rule which further increases the recognition rate. Iris recognition system is composed of segmentation, normalization, feature encoding and matching.</p> <p>Keywords: Biometric system, Iris recognition, segmentation, normalization.</p> <p>References:</p> <div>1. Yung-Hui Li, Marios Savvides, "An Automatic Iris Occlusion Estimation Method based on High-Dimensional Density Estimation" IEEE transactions on pattern analysis and machine intelligence, vol. 35, no. 4, pp785-786, 2013.</div> <div>2. Adams Wai-Kin Kong, "Modeling IrisCode and Its Variants as Convex Polyhedral Cones and Its Security Implications", IEEE Transactions on Image Processing, vol. 22, no. 3, pp 1149-1150, 2013.</div> <div>3. Yao-Tung Chuang, Yu-Lun Hong, Kuo-Cheng Huang, Sheng-Wen Shih, "Autofocus of Iris Patterns Using a Triangle Aperture", IEEE Transactions on Cybernetics, vol. 43, no. 4, pp 1304-1306,2013.</div> <div>4. Seung-Jin Baek, Kang-A Choi, Chunfei Ma, Young-Hyun Kim, "Eyeball Model-based Iris Center Localization for Visible Image-based Eye-Gaze Tracking Systems", IEEE Transactions on Consumer Electronics, Vol. 59, No. 2, pp 415-420, 2013.</div> <div>5. Cemre Candemir, Cihat Çetinkaya, Onur Kılınççeker, Muhammed Cinsdikici, "Vascular Landmark Classification in Retinal Images Using Fuzzy RBF, IEEE Transaction, 2013.</div> <div>6. Emrullah Acar, Mehmet Sıraç ÖzerdemElektrik, "An Iris Recognition System by Laws Texture Energy Measure Based k-NN Classifier", IEEE Transaction, 2013.</div> <div>7. Ömer Faruk Söylemez, Burhan Ergen, " Circular Hough Transform based Eye State Detection In Human Face Images", IEEE Transaction, 2013.</div> <div>8. Ibrahim Mesecan, Alaa Eleyan, Bekir Karlik, "Sift-based Iris Recognition Using Sub-Segments", IEEE Transaction, pp 350-353, 2013.</div> <div>9. Daniela Sánchez, Patricia Melin, Oscar Castillo, Fevrier Valdez, "Modular Granular Neural Networks Optimization with Multi-Objective Hierarchical Genetic Algorithm for human recognition based on iris biometric" IEEE Congress on Evolutionary Computation, pp 772-774, 2013.</div> <div>10. M.Fathima Nadheen, S.Poornima, "Fusion in Multimodal Biometric using Iris and Ear", Proceedings of IEEE Conference on Information and Communication Technologies (ICT), pp 83-86, 2013.</div> <div>11. V.Saravanan1, R.Sindhuja, "Iris Authentication through Gabor Filter Using DSP Processor", Proceedings of IEEE Conference on Information and Communication Technologies (ICT), pp 568-571, 2013.</div> <div>12. Milos Stojmenovic, Aleksandar Jevremovic, Amiya Nayak, "Fast Iris Detection via Shape based Circularity", IEEE 8th Conference on Industrial Electronics and Applications (ICIEA), pp 747, 2013.</div> <div>13. Sheikh Ziauddin, Sajida Kalsoom, "Effects of Enrollment Templates Count on Iris Recognition Performance using</div>					

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34-40

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10.	Authors:	Parvez Hussain S. D, C. N. Veeramani, B. Amala Priya Shalini, R. Karthika
	Paper Title:	An Innovative Energy Efficient Automobile Design
	<p>Abstract: The present paper deals with the innovative energy efficient automobile design is mainly focused on safety, reliability and cost effectiveness. The smart innovative design is done on safety basis. Main features of the smart vehicle design are long battery back-up and energy efficient use of drives. A back-up supply from the source is available when the vehicle is out of charge. The back-up source is combination or coupling of solar power, wind energy, and shaft coupled dynamo. The design of the motor vehicle(kart) is in accordance with the specifications laid down by the rule book given in this paper. The motor runs with a power output of 750W and 36V. The sources employed are a combination of three 12V 40Ah batteries in series. There is one more back-up battery on board, which</p>	
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	<p>is charged by the 2 dynamos and 1 solar panel dynamically. Efforts have been put to validate our design by theoretical calculations, simulations and known facts.</p> <p>Keywords: Microcontroller, GSM module, Wind dynamo , solar panel, Finite Element Analysis(FEA) module, analysis software.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Study of various kart designs. 2. Study of various electrical equipment specifications. 3. Gain practical knowledge by designing of different kart. 4. Investigate various reports. 5. Installation of innovative ideas 	
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