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	<b>Paper Title:</b>	<b>Behavior of Concrete which is Partially Replaced with Waste Plastic</b>	
<b>Abstract:</b>		<p>One of the environmental issues in most regions of Iran is the large number of bottles made from polyethylene terephthalate (PET) deposited in domestic wastes and landfills. Due to the high volume of these bottles, more than 1 million m<sup>3</sup> landfill spaces are needed for disposal every year. The purpose of this experimental study was to investigate the possibility of using PET waste in asphalt concrete mixes as aggregate replacement (Plastiphalt) to reduce the environmental effects of PET disposal. Concrete is the most widely used man made construction material in the world and its second only to water as the most utilized substance in the planet. Seeking aggregates for concrete and to dispose of the waste from various commodities is the present concern. Today sustainability has got top priority in construction industry. In the present study the recycled plastics were used to prepare the coarse aggregates thereby providing a sustainable option to deal with the plastic waste. There are many recycling plants across the world, but as plastics are recycled they lose their strength with the number of recycling. So these plastics will end up as earth fill. In this circumstance instead of recycling it repeatedly, if it is utilized to prepare aggregates for concrete, it will be a boon to the construction industry. Most of the failures in concrete structures occur due to the failure of concrete by crushing of aggregates. Plastic aggregate which have low crushing values will not be crushed as easily as the stone aggregates. These aggregates are also lighter in weight compared to stone aggregates. Since a complete substitution for Conventional Aggregate was not found feasible, a partial substitution with various percentage of plastic aggregate was done. Both volumetric and grade substitution was employed in this investigation.</p> <p><b>Keywords:</b> Plastic Aggregate, Plastic Waste's. About four key words or phrases in alphabetical order, separated by commas.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>Madan Mohan Reddy ,K, Ajitha .B,and Bhavani .R , \Melt-Densied Post Con- sumer Recycled Plastic Bags Used As Light Weight Aggregate In Concrete"; " International Journal of Engineering Research and Applications (IJERA) ISSN:2248-9622 Vol. 2, Issue4, July-August 2012, pp.1097-1101.</li> <li>V. Kasselouri - Rigopoulou, S. Gavela, S. Koliass \Use Of Polymeric Wastes In The Concrete Production" Polymers in concrete: a vision for the 21st century, Cement &amp; Concrete Composites 21: (1999) 449-452.</li> <li>Baboo Rai, S. Tabin Rushad, Bhavesh Kr, and S. K. Duggal \Research Article Study of Waste Plastic Mix Concrete with Plasticizer" International Scholarly Research Network ISRN Civil Engineering Volume 2012, Article ID 469272, 5pages doi:10.5402/2012/469272 2005.</li> <li>Manual on Cement Concrete &amp; Aggregates Australia Use of Recycled Aggregates in Construction May 2008Removal and Reuse of Hardened Concrete (ACI 555R- 01), American Concrete Institute.</li> <li>Alessandra Passaro\ recycled plastic lightweight aggregate for concrete"</li> <li>S. Gavela , C. Karakosta , C. Nydriotis , V. Kasselouri-Rigopoulou , S. Koliass , P. A. Tarantili , C. Magoulas , D. Tassios and A. Andreopoulos \A Study Of Concretes Containing Thermoplastic Wastes As Aggregates"</li> <li>L. R. Bhandodkar, A. A. Gaonkar, N. D. Gaonkar, &amp; Y. P. Gauns \ Pulverised PET Bottles as Partial Replacement for Sand" International Journal of Earth Sciences and Engineering 1009 ISSN 0974-5904, Volume 04, No 06 SPL, October 2011, pp. 1009-1012</li> <li>Dr. Prahallada M.C and Dr. Prakash K.B \Strength and Workability Charac- teristics of Waste Plastic Fibre Reinforced Concrete Produced From Recycled Aggregates" International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622</li> <li>V. Vytlačilov \The bre reinforced concrete with using recycled aggregates" In- ternational Journal Of Systems Applications, Engineering &amp; Development Issue 3, Volume 5, 2011</li> </ol>	
2.	<b>Authors:</b>	<b>Fariz Rafikoglu Abasov</b>	4-8
	<b>Paper Title:</b>	<b>Modern Trends of E-Commerce, Software Market and Business Development in Azerbaijan</b>	
<b>Abstract:</b>		<p>the article discusses the development of e-commerce, market and business in Azerbaijan. There's a comparative analysis with a number of countries, including Eastern Europe and the USA. An attempt is made to identify the resources and capabilities for improving this area of the country's economic development.</p> <p><b>Keywords:</b> Electronic Commerce, Electronic Services, Internet, Software Market,</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li><a href="http://ru.apa.az">http://ru.apa.az</a></li> <li>Monthly Report on the Use of UNESCO Public Information Products // <a href="http://www.unesco.org/new/ru/media-services/single">http://www.unesco.org/new/ru/media-services/single</a></li> <li>Министр Али Аббасов: «В ближайшие 8 лет ожидается примерно пятикратное увеличение ИКТ-сектора Азербайджана» // <a href="http://ru.apa.az/news">http://ru.apa.az/news</a></li> <li>Сколково не хватает мозгов // <a href="http://www.vedomosti.ru/newspaper/article/2010/03/25/229170">http://www.vedomosti.ru/newspaper/article/2010/03/25/229170</a></li> <li>Уровень информатизации системы образования в Азербайджане является удовлетворительным – министр // <a href="http://www.trend.az/capital/it/2092542.html">http://www.trend.az/capital/it/2092542.html</a></li> <li>Председатель ГКПС: «Частные вузы должны поднять уровень образования» // <a href="http://www.biznesinfo.az/news/society/params/ln/ru/article/76200">http://www.biznesinfo.az/news/society/params/ln/ru/article/76200</a></li> <li>В Азербайджане доходы от сектора ИКТ сравнятся с доходами от нефтяного сектора // <a href="http://salamnews.org/ru/news/read/56360/v-azerbaydane-doxodi-ot-sektora-ikt-sravnyatsya-s-doxodami--ot-neftyanogo-sektora-ndash-ministr/">http://salamnews.org/ru/news/read/56360/v-azerbaydane-doxodi-ot-sektora-ikt-sravnyatsya-s-doxodami--ot-neftyanogo-sektora-ndash-ministr/</a></li> <li>AFU   Qubad İbadoğlu: 2013-cü ilin dövlət büdcəsi // - <a href="http://www.youtube.com/watch?v=lxU1isP1V0">http://www.youtube.com/watch?v=lxU1isP1V0</a></li> <li>The Global Network of Internet and Society Research Centers (NoC) and the Berkman Center for Internet &amp; Society at Harvard University // <a href="http://berkman.harvard.edu/">berkman.harvard.edu/</a></li> <li>AdSense // <a href="https://support.google.com">https://support.google.com</a></li> <li>Обзор рынка программного обеспечения // <a href="http://www.rview.ru/soft.html">http://www.rview.ru/soft.html</a></li> <li>Компания RISK внедряет собственные аэронавигационные решения в России // <a href="http://www.ictnews.az/read-7549-news-3.html">http://www.ictnews.az/read-7549-news-3.html</a></li> <li>The number of TV channels broadcasted by the Azerspace-1 satellite has reached 66 // <a href="http://www.zerkalo.az/">http://www.zerkalo.az/</a></li> <li><a href="http://interfax.az">http://interfax.az</a></li> </ol>	

3.	<b>Authors:</b>	<b>Zahra Muradova</b>	9-12
	<b>Paper Title:</b>	<b>Multimedia Opportunities in the Teaching of Chemistry</b>	
	<p><b>Abstract:</b> The development of society and transition to the new education system requires to the improvement of content, method and form of the training. Solution of the applied problem of new pedagogical technologies is based on the education. Opportunities of application of the same technologies, in particular, use of multimedia in the lessons means was investigated in this article. Its effective ways was indicated and experience for the application was given in the lessons. The use of electron textbooks and other technical means in the lessons is high the quality of training and the interest of learners increases to the science. The work of teacher is facilitating in the teaching, provides to learn more knowledge and skills for a short time.</p> <p><b>Keywords:</b> chemistry, electron textbooks, knowledge, multimedia, technology, skill</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. E-textbooks namely "Inorganic chemistry -1". Baku, Chashioghlu, 2006</li> <li>2. E-textbooks namely "Inorganic chemistry -2". Baku, Chashioghlu, 2006</li> <li>3. Hajiyeva H.M. "Giving of medical knowledge on electron textbooks in the education of biology". Azerbaijan education in new stage of development, materials of scientific and methodical conference. Baku, 2010.p.217-218</li> <li>4. Hamzəhbəgi K.T. "Multimedia as means of information and communication technology". ICT- scientific and methodical journal in education, Baku, 2013, №2.p.32-47.</li> <li>5. Slobodchikova A.A., Barakhsanova E.A., "Applied problems of electronics teaching supplies in the educational process" ICT scientific-methodical journal in the education of ASPU, 2009, №2, page 63-66</li> </ol>		
4.	<b>Authors:</b>	<b>Farah Jalil</b>	13-19
	<b>Paper Title:</b>	<b>Magic and Prediction in Scandinavian and Turkic Epic Texts</b>	
	<p><b>Abstract:</b> The Article deals with the magic elements found in the eposes of the Scandinavian and Turkic eposes. In connection with it the author focuses attention on the mythological motives connected with prediction. The studies discover that the genesis of this factor is connected with rituals and ceremonies. The phenomenon of transformation of the verbal elements found in the ceremonies of magic nature and in rituals into the texts of folklore is explained. The author makes such an inference that the similarities encountered in the folklore of the two peoples are typological in essence.</p> <p><b>Keywords:</b> Magic, prediction, myth, motive, text, ceremony, folklore, Turkic, Scandinavian, epos</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Azərbaycan dastanları. Tərtib edəni: Ə. Axundov. Beş cilddə, cild 1. Bakı: Elm, 1972. – 448 s.</li> <li>2. Bəydilli C. (Cəlilov) Qam-şamançılığın etnomədəniyyətimizdə yeri. Bakı: Ağrıdağ, 2000. – 204 c.</li> <li>3. İnan A. Tarihte ve Bu Gün Şamanizm. Materialler ve araştırmalar. Ankara: Türk Tarih Kurumu, 1954. – 227 s.</li> <li>4. Kaşğarlı M. Divanü Luğatit-Türk. Ankara: Kabaıçı Yayinevi, 2005. – 725 s.</li> <li>5. Kazımoğlu M. Güllüşün arxaik kökləri. Bakı: Elm, 2005. – 186 s.</li> <li>6. Kazımoğlu M. Nağıl və dastanlarda ikiləşən obrazlar // Elmi araşdırmalar (Folklorşünaslıq: filologiya, fəlsəfə, tarix, incəsənət və nəzəriyyə aspektləri). Bakı: Nurlan, 2009. s. 9-11</li> <li>7. Kıtabi-Dədə Qorqud. Bakı: Yazıçı, 1988. – 266 s.</li> <li>8. Koroğlu. Bakı: Maarif, 1975. – 316 s.</li> <li>9. Manas Destanı. Hazırlayan: T. Güllensoy. Ankara: Başer, 2002. – 366 s.</li> <li>10. Rəcəbov Ə., Məmmədov Y. Orxon-Yenisey abidələri. Bakı: Yazıçı, 1993. – 396 s.</li> <li>11. Şaman əfsanələri və söyləmələri. Bakı: 1993. – 144 s.</li> <li>12. Вевульф. Старшая Эдда. Песня о Небелунгах. М.: Художественная литература, 1975, 750 с.</li> <li>13. Гуревич А.Я. Эдда и Saga. М.: Наука, 1979. – 191 с.</li> <li>14. Дюмезиль М.Ж. Верховные боги индоевропейцев. Пер. с фр. Т. В. Цивьян. М.: Наука, 1986. – 234 с.</li> <li>15. Кельтская мифология. Энциклопедия. М.: Эксмо, 2005. – 640 с.</li> <li>16. Мелетинский Е.М. «Эдда» и ранние формы эпоса. М.: Наука, 1968. – 368 с.</li> <li>17. Младшая Эдда. Л.: Наука, 1970. – 139 с.</li> <li>18. Мифы народов мира. Энциклопедия. В II томах, под. ред. С.А. Токарева. М.: 1987</li> <li>19. Советская энциклопедия, 1987, 671 с., II том. 1988. – 719 с.</li> <li>20. Новик Е.С. Обряд и фольклор в сибирском шаманизме, М.: Наука, 1984. – 304 с.</li> <li>21. Пропп В.Л. Фольклор и действительность. М.: Наука, 1976. – 327 с.</li> <li>22. Стеблин-Каменский М.И. Миф. Л.: Наука, 1976. – 104 с.</li> <li>23. Элиаде М. Космос и история. М.: Прогресс, 1987. – 313 с.</li> <li>24. Ирландские саги. М.-Л.: Художественная Литература, 1961. – 296 с.</li> </ol>		
5.	<b>Authors:</b>	<b>Kamil Bashirov Kamal</b>	20-24
	<b>Paper Title:</b>	<b>Dative Case Affixes of Oghuz Group Turkish Languages</b>	
	<p><b>Abstract:</b> In the article the past tense verbs suffixes of in the oguz group of the Turkish languages are considered. The comparative analysis of theverbs suffixesin different languages belonging to the Turkic groupon the base of the examples is presented. The comparison of the verbs suffixes in the singular and plural forms in the Middle Ages and in modern times is demonstrated.</p> <p><b>Keywords:</b> dative case affixes of Oghuz group Turkish languages, sound assimilation, and classification.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Alizade A.C. "About Morphological Characteristics of Dative Case on Written Monuments of Azerbaijan Language" // "News of EA". "Series of Language, Literature and Art". 1986, 1, s.113 – 116.</li> <li>2. Asker Ramiz. M.Kashgari and his "Divanü lüğat – it türk" work. Baku: "MBM", 2008. – 432 s.</li> <li>3. Azizov E. "Historical Dialectology of Azerbaijan Language". "Establishment and development of Dialect System". Baku, Edition of B.S.U.</li> </ol>		

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	<p><b>Authors:</b></p>	<p><b>Elham D. Kariri, Yousef Kareri</b></p>
	<p><b>Paper Title:</b></p>	<p><b>Managing Virtual Project Team</b></p>
<p>6.</p>	<p><b>Abstract:</b> We describe managing virtual project team as a challenge because of its complexity and the potential risks. Through close investigation into a global virtual project (Project A) conducted by a multinational company (Organization X), we further explain why it is challenging to manage virtual team and how such challenge can be overcome by the management. Despite our report limitations, we think that although managing virtual project could be a turbulent experience, if managers are well prepared, it is still an option for organizations that are restrained by tightened budget and limited time provided.</p> <p><b>Keywords:</b> Project a, Organization X, managing, project</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>Barry, EJ, Mukhopadhyay T &amp; Slaughter, SA 2002, ‘Software project duration and effort: an empirical study’, Information Technology and Management, vol. 3, pp. 113-136.</li> <li>Desanctis, G &amp; Poole, MS 1994, ‘Capturing the complexity in advanced technology use: adaptive structuration theory’, Organization Science, vol. 5, no. 2, pp. 121 -147.</li> <li>Ebrahim, NA, Ahmed, S &amp; Taha, Z 2009, ‘Virtual team: a literature review’, Australian Journal of Basic and Applied Sciences, vol.3, no. 3, pp. 1-17.</li> <li>Erik, M 2007, ‘Process and technology challenges in swift – starting virtual teams’, Information &amp; Management, vol. 44, no. 3, pp. 287 - 299.</li> <li>Evaristoa, J, Scudder, J, Desouzaa, K &amp; Satoc, O 2004, ‘A dimensional analysis of geographically distributed project teams: a case study’, Journal of Engineering and Technology Management, vol. 21, no 3, pp. 175 – 189.</li> <li>Godar, SH &amp; Ferris, SP 2004, Virtual and collaborative teams process, technologies and practice, Hershey.</li> <li>Kirschner, PA &amp; Bruggen, JV, 2004 ‘Learning and understanding in virtual teams’, CyberPsychology &amp; Behaviour, vol. 7, no. 2, pp. 135-139.</li> <li>Lam, W, Chua, A, Williams, JB &amp; Lee, C 2005, ‘Virtual teams: surviving or thriving?’, Proceedings of the Australasian Society for Computers in Learning in Tertiary Education, pp.4-7.</li> <li>Lim, CS &amp; Mohamed, MZ, ‘Criteria of project success: an exploratory re-examination’, International Journal of Project Management, vol. 17, no. 4, pp. 243-248.</li> <li>Macgregor, SP &amp; Torres-Coronas, T 2007, Higher creativity for virtual teams developing platforms for co-creation, Hershey.</li> <li>Majchrzak, A, Rice, RE, Malhotra, A &amp; Ba, S 2000, ‘Computer-Mediated Inter-Organizational Knowledge-Sharing: Insights from a Virtual Team Innovating Using a Collaborative Tool’, Information Resources, Management Journal, vol. 13, no. 1, pp. 36-46.</li> <li>Maryam A, Amrit T. 2002, ‘Knowledge Management’, America Society for Information Science and Technology, vol. 53, no 12, pp. 1029 – 1037.</li> <li>Mumbi, C &amp; McGill T 2008, ‘An investigation of the role of trust in virtual project management success’, International Journal of Networking and Virtual Organisations, vol. 5, no. 1, pp. 64 – 82.</li> <li>Patil, S, Kobsa, A, John, A &amp; Seligmann, D 2011, ‘Methodological reflections on a field study of a globally distributed software project’, Information and Software Technology, vol. 53, no. 9, pp. 969 – 980.</li> <li>Powell, A, Piccoli, G &amp; Ives B 2004, ‘Virtual teams: a review of current literature and directions for future research’, SIGMIS, vol. 35, no. 1, pp. 6-36.</li> <li>Reed, AH &amp; Knight LV 2012, ‘Technology related risks on virtual software development projects’, Journal Information Technology Project Management, vol. 3, no. 1, pp. 1-14.</li> <li>Reed, AH &amp; Knight, LV 2010, ‘Project risk differences between virtual and co-located teams’, Journal of Computer Information Systems, vol. 51, no. 1, pp. 19-31.</li> <li>Sadan K. Konak, Clifford R. Maurer, &amp; Daniel L. Lohin. 2010, Teaching Students How to Effectively Work in Virtual Teams, International Journal of Information Technology Project Management, vol. 1, no. 2, pp. 61 – 78.</li> <li>Shachaf, P 2008, ‘Cultural diversity and information and communication technology impacts on global virtual teams: An exploratory study’, Information &amp; Management, vol. 45, no 2, pp. 131 – 142.</li> <li>Shan, Y, McKay, RJ, Lokan, CJ &amp; Essam, DL 2002, ‘Software project effort estimation using genetic programming’, Proceeding at IEEE 2002 International Conference on Communication, vol. 2, pp. 1108 -1112.</li> <li>Shepperd, M &amp; Schofield, C 1997, ‘Estimating software project effort using analogies’, IEEE Transactions of Software Engineering, vol. 23, no. 12, pp. 736 – 743.</li> </ol>	<p>25-31</p>
<p>7.</p>	<p><b>Authors:</b></p>	<p><b>Jisha L K, A A Powly Thomas</b></p> <p><b>Paper Title:</b></p> <p><b>Robust Speed Control of Vector Controlled Induction Motor Drives Using Sliding Mode Controller</b></p> <p><b>Abstract:</b> In this paper speed control of an Indirect Field Oriented Controlled (IFOC) Induction Motor with sliding mode controller has been developed and simulated. In this work the complete mathematical model of field oriented</p>
		<p>32-36</p>

controlled Induction Motor and sliding mode controller is described and simulated in MATLAB/SIMULINK. For studies a 1 HP (746w) squirrel cage type IM has been considered. The comparative study is done between PID controller and the sliding mode controller. The simulation results show that the proposed sliding mode controller (SMC) provides a good performance in the presence of external load disturbances.

**Keywords:** IFOC, IM, PID, SMC

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**Authors:** Arpit Saxena, Pankaj Sharma, Arun Mohan Verma, Geetika Saxena, Jyoti kshayap

**Paper Title:** GSM based Voice and Vibration Alert System for Blind

**Abstract:** Humans get most of their total information through eyes. Hence eyes contribute to a major part of the human's life. So with the advancement in the technology of both the hardware and software a low cost smart stick can be made to make the life of the visually impaired people easier and more comfortable. This paper presents a system concept and model to provide a smart electronic aid for blind people. This system is intended to provide the blinds with an aid, so that they can travel or go from one place to other with ease, without the need of an assistant to assist them where ever they go. This system basically aims at making a visually impaired person independent and swifter. Generally, the visually impaired people use a stick to avoid collisions and to locate the obstacles that comes their way. But due to certain limitations these sticks prove to be less efficient and frequent injuries are caused to the blind. To reduce the chances of any such injuries to the blind, this stick can be installed with some electronics equipments that work together to help the blind by making his journey easier, more comfortable and less prone to injuries. This system designed mainly consists of sensors, microcontroller, voice recording IC, speakers, vibration circuitry and a GSM module. All these are fixed to the stick making it a smart stick. Sensors sensing any obstacle alert the blind either via vibration circuitry or via speakers (voice driving unit). Further whenever the blind finds himself in trouble or finds himself lost he can use a panic button and GSM module to convey it to his near and dear ones via a pre stored message indicating his situation. In this way he is just a push away from his family.

**Keywords:** GSM module, Microcontroller(AT 89S52), Sensors, Voice Recording IC.

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