

INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE

Volume 3, Number 1, 2011

S/No.	Contents	Authors	Pages
1.	Design and Development of Engine Control Junction Box Main Battle Tank using 8051 Controller.	R. Sangeetha Preya, R. Kothai, S. Latha and P. K. Mani	1-7
2.	A Comparative Analysis of the Rebound Hammer and Ultrasonic Pulse Velocity in Testing Concrete.	Agunwamba, J. C. and Adagba, T.	8-16
3.	Assessment of Capability Levels of Bitumen from some Nigerian Sources to Coat-Inhabit Tensile Strength Corrosion of Low Carbon Steel.	T. N. Guma; P. B. Madakson, D. S. Yawas, S. Y. Aku	17-25
4.	Performance Analysis of Client Server Model using Queuing Theory.	Saptarshi Gupta and Harish Kalla	26-35
5.	Determination of Levels of some Heavy Metals in Organs of Freshwater Fish in Ethiope River in Delta State, Nigeria.	Irehievwie Gideon	36-39
6.	Separation of n-Butanol/Iso-Butanol Mixture Through Hydrotropy.	Thirumalaikumar R.	40-49
7.	The Use of Waste Glass as Partial Replacement in Concrete.	Gai, Friday Iliya, Shetak, Boniface and Abari, Maiangwa Joseph	50-54
8.	Modeling Studies of Castor Oil Extraction.	Udonne J. D. and Ebewe, R. O.	55-63
9.	Current IPV4 Address Allocation Scheme.	Okonor, Obinna E; Ahaneku M. A. and Okonor, Ogechukwu M.	64-68
10.	Design and Simulation of Digital Controller for A.D.C. Motor using Proportional, Integral and Derivative (PID) Control System.	Ohaneme Cletus. Ogbonna., Enemuoh Frank. Odilichuwu., Onwudinjo S. C and Onwudinjo Stephen Chukwuezugbo	69-78
11.	Impart of Mould Pre-Heat Temperatures and Shake-Out Times on Cooling Rate and Microstructures of Cast Aluminium Alloy.	Adeyemi G. J. and Awogbemi O.	79-84
12.	Electrical Power Theft Detector.	Okoronkwo Charles and Okorie Emeka O.	85-89
13.	Renewable Energy Source: The Antidote to Nigeria Energy Problem.	Oladejo, I. O. and Megbowen, I. O.	90-95
14.	Effects of Macrobends on the Radiation Attenuation of Optical Signals in Multi-Mode Graded Index 62.5/125 μm at 850 NM Wavelength.	Chombah J. M., Kirui M. S. K. and Nyanga D. M.	96-106
15.	Heat Balance Determination for a Gas-Fired Furnace for Melting Non-Ferrous Metals.	O. A. Igbodalo and C. I. Ajuwa	107-110
16.	Loss Reduction in Power Distribution Network using Civanlar's Approach.	Adebanji, B. and Adejumbi, I. A.	111-120
17.	Effect of Load Variation on 1.4KVA, 220V, 50Hz Inverter.	Evbogbai M. J. E., Jatto O. G. and Ehiatamah J.	121-124
18.			