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Website: www.blueeyesintelligence.org
Email: director@blueeyesintelligence.org, blueeyes@gmail.com
Cell #: +91-9669981618, WhatsApp #: +91-9669981618, Viber #: +91-9669981618
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| | Aut | hors: | Bright Kwame Ameme, Ezer Osei Yeboah-Boateng | |
|----|-------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| | Pap | er Title: | Internet Banking Security Concerns: An Exploratory Study of Customer Behaviours based on Belief Model | Health |
| ſ | Abst | tract: Interne | et banking is becoming increasingly important to banks in providing convenient banking services to | |
| | custo | omers. To attr | ract and retain their customers, banks ensure security measures are put in place to protect the | |
| | custo | omers from va | arious cyber attacks. Despite these security measures, customers are constantly being exposed to | |
| | frauc | d and security | issues. This paper therefore seeks to understand the reasons behind these security breaches and to | |
| | deve | elop a model to | o predict the behaviours of internet banking customers. Drawing on Health Belief Model, this paper | |
| | emp | loved chi-squa | are and logistic regression analysis to specifically investigate internet banking security issues from | |
| | hum | an behavioura | al perspective. The study empirically revealed that there is a direct relationship between internet | |
| | bank | ing security h | breaches and customer behaviours. A predictive model was however developed to predict these | |
| | hum | an behaviours | s on internet banking platforms. The study concluded that internet banking security breaches are | |
| | mair | nly due to hum | an behaviours such as unlocking computers when not in use installation of softwares from sources | |
| | that | are not trusted | and supported poor password management and other related behaviours that could be prevented | |
| | hy c | ustomers. It w | as also concluded that there is no relationship between customers' are group and internet banking | |
| | Secu | rity breaches | It is therefore by chance that the younger respondents experience internet banking security issues | |
| | more | a than the elde | arly. This chance could be attributed to the fact that the younger ones do not have valuable cash | |
| | deno | sits to protect | t and hence not cautious in their behaviours on internet hanking platforms. The findings of this | |
| | atudi | sits to protect | and nence not cautous in their benaviours on internet banking platforms. The findings of this | |
| | intor | y nave iniporta | and poincy implications for banks, thereby helping to understanding the behaviour of customers of | |
| | men | ritu oworonogo | battorins. It is therefore recommended for banks to educate and organise regular and continuous | |
| | secu | inty awareness | s programmes for men customers. | |
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Abderrahmène SALLAMI, Nadia ZAZOURI, Mekki KSOURI

| Paper Title: | New Diagnosis Method by Luenberger Observer Using Bond Graph Approach | | | |
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| Abstract: The paper concerns the design of a new methodology for diagnosis by Luneberger Observer using the Bond Graph. The observer design provides a state estimated from the model and inputs and outputs measurements. Furthermore, we have exploited the architectural of the Bond Graph to generate the diagnostic condition based on Luenberger observers. Furthermore, the performance of the proposed diagnosis system is studied by these residuals to the certainties and faults. The research results have been applied to an industrial process RODS (Reverse Osmosis Desalination System) of Research and Technology Center of Energy Borj Cedria. In this context, the proposed | | | | |
| method was operat | ted from the modeling step to the diagnosis system step. | | | |
| Keywords: Diagn | Keywords: Diagnosis, Lunberger Observer, Bond Graph, Reverse Osmosis Desalination System | | | |
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| Authors: | P. Ugandhar Sainadh, Ch. Santhi Rani, P. Kusuma, T. Manogna, P. Mounika, V. Veeraiah ch | owdar | | |
| Paper Title: | Advanced Integrated Wireless Healthcare Monitoring | | | |
| Abstract: In rur present work the p tumor detection ar specified parameter body as they are s | al areas and old age homes, the unhealthy persons need a constant monitoring of their body. In the obysiological parameters such as Heart beat, Body temperature, ECG, Smoke detection and brain re obtained, processed and displayed in an android application. Monitoring and control of all the ers are done using particular sensor for each parameter. These sensors are not harmful to human ensitive to infrared rays. If anyone of the vital parameter goes out of normal range then an alert | 17-1 | | |

message is generated and sent by the system via GSM/GPRS module to the authorized mobile numbers. Thus, it reduces the doctor's work and also gives reliable results. Whenever there is an abnormality felt by the patient, the

system will give an alarm signal, by which the patient can rush to the nearest hospital. Thus an expert-based health care can be provided at crucial circumstances. The accessibility of this android application is simple and easy. By using this application, we can say that, it is cost effective and user friendly. This system can detect the abnormal conditions, issue an alarm to the patient and send a SMS to the physician and or to the family members.

Keywords: Smart phone, Android application, GSM module, Wi-Fi module, ECG monitoring, Body Temperature, Heart rate, Brain tumor, Smoke detector.

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| Authors: | Chebii Paul, Munyendo Were, Kiprop Ambrose, Mitei Yulita Cheruiyot, Joseph Barmao |
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| Paper Title: | Density, Distillation, FT-IR and FIA for Rapid Determination of Adulterant Kerosene in Gasoline and |
| - T | Diesel |

Abstract: Use of adulterated fuels has been escalating over the years due to lack of appropriate analytical tools for rapid detection resulting in detrimental effects to motor engines, environment and to the economy. Kerosene is a widespread adulterant added to gasoline and diesel. It is extensively used because of its financial gains and ease of blending. In this study attempt has been made to develop a combination analytical tool for rapid detection of kerosene adulteration by evaluating samples of gasoline and diesel; determining the adulteration intensity; compare detection limits of Fourier Transform Infrared (FTIR) and Fluorescent Indicator Adsorption (FIA); then evaluate detection aptitude of the methods. Ssuspected adulterated gasoline and diesel were collected systematically in sevenselected locations within Eldoret, Kenya. References were traced from Eldoret pipeline depot up to the shipper's dispensing station. Arrays of six blend mixtures of kerosene with either gasoline or diesel were prepared as custom proportions for comparison as adulteration contour. Density tests, fractional distillation, FIA and FTIR spectroscopy were carried out for characterization. Results showed appreciable density variation at different levels with the lowest density of 0.7373 and 0.8199 Kg/l obtained for gasoline and diesel respectively compared to 0.7374 and 0.8345 Kg/l for the standards which implied an element of adulteration. Fractional distillation provided appropriate indicator for adulteration as evident from the samples distillation end points of 234.00C being a rise by 20.0oC for gasoline while 382.0oC for diesel being a fall of 4.0oC. FTIR provided preliminary qualitative data by peaks in the region 2950 - 3200cm-1 which varied in intensity with adulteration. FIA showed exhaustive results qualitatively as it was able to classify samples as olefins, saturates and aromatics. The study therefore fronts Density tests, Fractional distillation, and FTIR and FIA techniques for rapid determination of adulterant kerosene.

4. Keywords: Density, Distillation, FIA, FTIR, Kerosene.

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| | Paper Litle: | Video to Image Conversion Techniques Video Frame Extraction | | | |
| | Abstract: The vi | ideo is electronic Media for broadcasting, watching, recording, advertising, sharing and displaying | | | |
| | application of vid | leo is indexing summarization browsing online video database analysis these all need for | | | |
| | converting the vide | eo into a number of the frame. This paper has given a technique for the video to frame extraction | | | |
| | with the help of M | IATLAB platform. This project help today's demand like social media (WhatsApp and facebook), | | | |
| | video lecture distri | bution, and surveillance system | | | |
| | Keywords• fram | e: group of nicture: frame rate: video formate: video type: nival: aspect ratio, digital and analog | | | |
| | video, video resolu | nation. | | | |
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| 6. | Autiors: | Roselito E. Tolentino | | | |
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| | Paper Title: | Mimicking the Movements of the Human Hand using Leap Motion Sensor for Different User | S | | | | |
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| | Abstract:The researchers considered the disadvantage of using a Cyber gloves sensor that was always needed a calibration for mimicking a robotic hand. It is simply because human hand dimensions are not standard. For every person that would use the glove to operate a teleportation, there would be a different hand configuration to be able to perform the various tasks. Individual calibration is needed because each human hand has his personal calibration. Therefore, the researchers use Leap Motion sensor with the aid of a professional, high-precision, and fast motion tracking system which is designed to be placed on a physical desktop, facing upward to track human hands and fingers and then the researchers employed vector dot product method for the algorithm in order to acquire data in controlling a robotic hand to mimic the movements of the human hand for different users.Keywords:Leap Motion sensor, Mimicking, Robotic hand, Scalar product | | | | | | |
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| | Authors: | Juan Ochoa Aldeán, María E. Ochoa Azuero | | | | | |
| | Paper Title: | Implementation of Wireless Sensors Networks Wsn Based On the IEEE 802.15.4 (ZIGBEE) in Botanical Gardens | Standard | | | | |
| | Simulator V2 was used for this design, which allows to display the results of tests sending packages and power consumption, letting us analyze the advantages and disadvantages of each topology, thus we determined that the star topology is the best option when transmitting in real-time data provided by the sensor nodes. Through the simulation results we proceeded to implement a prototype WSN, based onXBee Pro S2B wireless communication modules, processing and energy units, and temperature and relative humidity sensor. Finally, we show the data to the user with a graphical interface that enables real-time monitoring. | | | | | | |
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