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Dr. Yu Qi
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Abstract: College Students finds it difficult to catch college bus on a regular basis. This is a common problem among Students. Efforts have been made to simplify this process by introducing GPS tracking. But as none of them have a proper algorithm to take into consideration the bus stops as well, the whole point of a student intercepting a bus's route is lost. The idea of catching a bus then results in the student chasing the bus. This project is an attempt to solve this problem by introducing an Algorithm which uses Google Maps API to find the best way to intercept a bus's route to catch the bus without asking the bus to wait for the student, neither for the student to chase the bus. The algorithm would show the Student, the nearest bus stop from his location, and the exact location of the upcoming buses, approaching that particular bus stop. Also this allows student to know locations of other nearby buses to help him decide manually if other buses are a better option for him.

Keywords: Android Application, Google Maps API, GPS Technology and Shortest Path Algorithm.

References:

Abstract: Large scale power systems are normally composed of control areas or regions representing coherent groups of generators. Frequency deviations and inter-area tie-power fluctuations from their respective scheduled values following a local load disturbance are a source of great concern in interconnected power system operation and control. A new method to minimize such deviations and thereby enhance the performance of Automatic Generation Control (AGC) of an interconnected power system is to be determined. The coordinated operation of a Thyristor-Controlled-Phase-Shifter (TCPs), in an area and in series with the tie-line with supplementary controller for the improvement of Load Frequency Control (LFC) was studied.

Keywords: Automatic generation control, load frequency control, multi-area power system, thyristor-controlled-phase-shifter (TCPs), and PI&FUZZY gain scheduled AGC-TCPs combination.

References:

Abstract: The age of technology has created a huge market for smartphones and Apps usage and a new generation has been created based on knowledge sharing. Now knowledge has been made easily accessible by Apps but; are users even aware of the permissions that these Apps require and the privacy issues involved? The study was conducted on the
basis of how users make use of Apps. It was conducted through the assessment of permissions required by various Apps through carefully selected third-party Apps and the devices’ settings and also a review of existing literature that has been conducted in fields within Apps and privacy. It will be unearthed that a many different but exhaustive lists of permission are sought by each App installed and the device it is installed on can quite give the user the information. Also not all permissions sought were found to be risky but some just created a path or a vulnerable point for other malicious programs to take advantage of.

**Keywords:** Apps, Privacy, Opt-in policies, Smart device, Profilers

**References:**

**Authors:** Kierven R. de Mesa

**Paper Title:** ON Semiconductor Philippines INC: Advanced Process Integration of Quality Control Through Inventory Management System

**Abstract:** The current inventory system of the ON Semiconductor Philippines Inc can be further enhanced due to lack of inventory techniques that leads to some delays in some processes or elements in terms of storing and retrieving Integrated Circuits (ICs) in the staging racks. This study is aiming to apply the advanced process integration of quality control through proper inventory management system on their system for effective inventory and monitoring purposes. Moreover, to improve their current inventory system by applying the researcher’s proposed system that can lead for easy managing the staging racks in terms of storing, retrieving, and monitoring of ICs for easy distribution. The proposed system generally will not just lessen the time of process present in the of storing and retrieving of ICs but also it will help to monitor the status of staging racks and at the same time, it will eliminate misplaced inventory items and have an organization or synchronization among production elements.

**Keywords:** Advanced Process Integration, Rack Management, Inventory

**References:**
12. University of Wollongong, Wollongong NSW 2522, Australia
16. Fab's all.jsp?F3anumber=3DP54067

Authors: Nancy P. Mercado

Paper Title: Design and Evaluation of Electronic Class Record in University of Perpetual Help System-Laguna

Abstract: This study aimed to design, develop, deploy and evaluate an electronic class record. Electronic worksheet software is used to develop the electronic class record and several arithmetic operators and functions like VLOOKUP, IF, AVERAGE, COUNTIF. A worksheet template was developed to accept name of teacher, course title, section, schedule, room, student name, date of each classes, base grade, test items, attendance and performance of the students. The electronic class record automatically computes the grades of the students following the prescribed grading system of College of Engineering of University of Perpetual Help System Laguna. Developmental process and prototyping method were utilized to develop the electronic class record. Testing, deployment and evaluation have been initiated to observe its acceptability. The electronic class record will be used effective School Year 2016-

Keywords: Electronic Class Record, University of Perpetual Help System Laguna

References:

Authors: Zaheer Thaddi, Varun Unecha, Vinit Mundada, Fatema Trawadi, Shubham Kudale

Paper Title: Prototype Design of Parking Guidance System using Piezo Electric Energy Harvesting

Abstract: To alleviate this congestion and improve the environment quality in urban centre, the project is introduced Parking Guidance System (PGS) to sense curb-street parking using a drive-by sensing. To quantify the system’s benefits, the project has examined the effect for the deployment of this system on network mobility, i.e. travel time and delays, and greenhouse gas (GHG) emitted from vehicles through a design and a development of simulation model replicating one central business district area. The findings demonstrate that PGS has the potential to improve mobility and reduce vehicular emissions at any level of market saturation whether or not near-real-time traffic data is integrated into the route guidance system. The most significant reductions in vehicular emissions and delays are realized under conditions where the demand for parking is much greater than the availability of parking places; suggesting that as cities become more densely populated, PGS will become more necessary to reduce congestion and improve urban air quality.

Keywords: Parking Guidance System (PGS), Piezoelectric Transducers (PZT), Renewable Energy

References:
2. M. M. Rashdi1, A. Musa2 , M. Ataur Rahman3, N. Farhana4, A. Farhana5“Automatic parking management system and parking fee collection
Authors: Teresita B. Gonzales

Paper Title: Study Habits, Attitudes and Academic Performance of Selected College of Engineering Students of Summer 2016: Basis for Student Reinforcement

Abstract: This study served as a means of knowing the respondents’ frequency of putting into practice the following study habits: reading and note-taking, concentration, distribution of time, social relationships, delay avoidance, and work methods and their attitudes towards school work and towards their teachers. Finally, this research aimed to find the correlation between the respondents’ study habits, attitudes and the level of academic performance of selected College of Engineering Students of Summer 2016, in which by so doing may be a basis for Student Reinforcement. Result showed no correlation and it is suggested that study be conducted during regular semester for a more realistic results. Reinforcement to students were enumerated in the recommendation.

Keywords: Habits, Attitudes, Performance, Student Reinforcement

References:


31. Zeigler et. al. (2001). The Actiotope, A heuristic model for a research program designed to examine and reduce adverse motivational conditions influencing scholastic achievement. http://centuracollege.edu/blog/10-effective-study-habits-for-college-students/ Posted by Holly Dalby on Aug 22, 2013 in Adult Education
<table>
<thead>
<tr>
<th>Authors:</th>
<th>Leilani A. Gonzales</th>
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<tbody>
<tr>
<td>Paper Title:</td>
<td>Development of Fun Learning Application for Preschoolers</td>
</tr>
<tr>
<td><strong>Abstract:</strong></td>
<td>The researcher of this study proposed a game system which is called as Fun Learning to provide a fun and informative game for children. The study will provide a computer game, wherein the preschool students can enjoy while learning. It will aid to lessen the teachers’ visual aids, it will keep the students’ interests in learning, enhance and transform their educational experience, exercise and challenge their critical thinking through different mind games, and utilize the students’ growing interest in technology in a beneficial way. Rapid Application Development was utilized to create the application. Direct observation and interview were done in the Olympia Daycare Center to have a clear understanding on what is the scenario in a preschool classroom. The program must be uploaded in android system such as phones, tablets or any other electronic gadgets so that kids can bring it anywhere for learning and exploring. Through the change of technology, utilizing the Fun Learning application will be of great help to students and teachers.</td>
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<tr>
<td><strong>Keywords:</strong></td>
<td>Rapid Application Development, technology, preschooler.</td>
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<th>Authors:</th>
<th>Pooja R. Oza, D.C. Mehetre</th>
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<tr>
<td>Paper Title:</td>
<td>Oral Health Monitoring System using Smart Phone &amp; Applying Prediction on Oral Health Care Data Set</td>
</tr>
<tr>
<td><strong>Abstract:</strong></td>
<td>Nowadays, our country is facing major problem of oral health. Oral hygiene plays an important role in keeping the people healthy. Most of the people who live in rural area are not aware about their oral hygiene. So, to educate the people about their oral health, we developed a system that helps doctor and patient to predict the oral diseases. In this paper, we are applying prediction on oral health care data set to provide knowledge about Oral Health Care in the absence of caring facilities.</td>
</tr>
<tr>
<td><strong>Keywords:</strong></td>
<td>ODPS (Oral Disease Prediction System), ANN(Artificial Neural Network), BPNN( back Propagation Neural Network)</td>
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