|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Supervisor Name** | **Thesis Title** | **Abstract of Thesis** |
| EI EI THEINT  (2015) | DR. SAW THANDAR MYINT | Document summarization based on sentence feature profile | Text summarization is the most challenging task in information retrieval task. It is an outcome of electronic document explosion and can be seen as the condensation of the document collection. The use of text summarization allows a user to get a sense of the content of full-text, or to know its information content without reading all sentences within the full-text. This system presents feature profile-oriented sentence extraction strategy. Feature profile is generated by considering word weight, sentence position, sentence length, sentence centrality, proper nouns in the sentence and numerical data in the sentence. Sentence score is calculated and ranked in order of importance based on sentence score. Document summarization is the process of taking a textual document, extracting content from it and presenting the most important content to the user in a condensed form and in a manner sensitive to the user's or application's needs. Health news data is applied in this system for document summarization. This system is implemented by using C# programming language and SQL database. |
| SAI SENG MEIN  (2015) | DR. ZARNI SANN | Implementation of mail messages security using elgamal algorithm | Email and mail messages uses in secure communication that transfers from one computer to another computer. Mail Server controls mail messages for sending and retrieving mail and prevents from hacking by another one. This system is used Elgamal algorithm to secure mail messages. In this system, a user send mail message to another users, this message store in server that serve by Simple Mail Transfer Protocol (SMTP). When user receives a mail, server retrieves this mail served by Post Office Protocol (POP). The system mainly consists of SMTP protocol and POP protocol for server and clients, and Elgamal algorithm for messages security. Elgamal encryption is made before storing mails to mail server. Elgamal decryption is made after retrieving mails from mail server. This system is implemented to secure mail server system for local government's important mail messages. Implementation results of the system are using secure patient records report for health department. Patient records must be secure for particular department. This system is based on locally own mail server and mail client, and is implemented by using C# programming language and SQL Server to store mail messages. |
| KAY ZIN KYAW  (2009) | DR. THI THI SOE | Grammar checker for the English language | Natural Language Processing is one of the most important researches carried out in the world of Artificial Intelligence. This thesis is based on the Natural Language Processing concept. Grammar analysis 15 done with a special Natural Language Processing (NLP) program that converts poor writing to acceptable writing. So special grammar analyzer programs can be used to process business communications and improve them. This thesis deals with the implementation of the grammar checker. The user can input a sentence or paragraph in the limitations of grammar rules and words within the system. But the system can use not only for grammar checking but also for spelling checking. The system works together with the lexicon that has stored words. If the input sentence has the spelling error, the system will give the suggestion for error words. If the input sentence has the grammar error, the system will display the suggestion for grammar error. |
| THAW THAW OO  (2009) | DR. MAR MAR THIN | Query process for middle school based on SQL translation | Querying in Natural language is more convenient for the user than querying in SQL. This system is intended to construct the query translation system from Natural Language to SQL. Natural Language Processing is a theoretically motivated range of computational techniques for analyzing and representing naturally occurring texts at one or more levels of linguistic analysis for the purpose of achieving human-like language processing for a range of tasks or applications. If the computer understands the natural language, the computer and user communication will be smarter. Correct translated words of simple sentence can be retrieved because of the limitation of the domain. It is specialized for developing query and can make analysis of query sentences as far as statement and then generates the SQL statement and query from the database. It simply accepts query sentences inputs and then inference possible. This translation system supports users to understand SQL through the lexicon database in order to produce the SQL string outputs. The system is intended to query information in middle school. They can get efficient result by using the English Language query without the knowledge of SQL language. The purpose of this thesis is to construct the query translation system from natural language to SQL. Visual Studio 2005. This system is implemented by using SQL Server 2005 and Visual Studio 2005. |
| WIN THIRI THAN  (2009) | DAW MOH MOH KYAING | Web-based registrations system for MCPA | This thesis presents Web-Based Registration System, based on a Web-Based Public Examination System (WBPES) which is using the client-server architecture. This exam system automatically carries out multiple-choice type examinations and process the result. The presentation layer of this software system has developed, using Java Server Page (ISP) technology. Client/server system and web technology are based to implement this system. The intension of this system is Web Based Registration System of Myanmar Computer Professional Association (MCPA) to register online, test MCPA online exam, and provide the information of members who wants to search. If user wants to become a member, user must answer the test as a member. After the testing process, if the user passes the test, the system accepts user as a member. And then, the system replies the confirmation information to the user. Also provide update information sending to the user by email. This system is implemented by using HTML, JAVA, JAVA Script, JSP, Dreamweaver and other web developing tools. The system can be Web server used on any client PCs with Web browsers, which is connected to the Web server. |
| MYINT MYINT  (2009) | DAW NYEIN NYEIN LWIN | Authentication and access control system for distributed database | This system is to provide for security integration among applications using various databases. This is essential to protect the resources, communication channels, interfaces and financial transactions of distributed systems and applications against attacks. This system is aimed to implement the User Authentication and Access Control portion of the internal security for a distributed database of management level on banking system. This system can support distributed database with security, reliability and accuracy by the use of Authentication and Access Control mechanisms. In addition, this system can provide access to the updated transaction databases and can help to easily search the customers related to their information. Furthermore, this system can prevent the unauthorized users. According to user level, authorized users are classified to access this management level of the banking system. This system is implemented by Java Programming Language, JBuilder3 and Microsoft SQL Server. |
| THE MAR LWIN  (2009) | DR THI THI SOE | University logo classification system using artificial neural network | This thesis aims to develop the University logo classification system using Artificial Neural Network (ANN). The image of University logo is acquired by means of a digital image sensor such as a digital scanner. The acquired image is stored in the bitmap file format and is color image. The quality of the image is improved by means of median filtering. The median filtered image of the University logo is extracted from background. The extracted University logo image is resized into the 32 x 32 pixel matrix. The resized image of University logo is color classified into blue, red, yellow, black and white. This is the final step of the image preprocessing stage of the system and the uniform-sized color classified image of University logo suitable for the Artificial Neural Network is achieved. The ANN of the system is composed of three layers; input, hidden and output layer. The input layer accepts the preprocessed images and the certainty values of the output layer indicate the type of the University logo. The ANN of the system is trained with back-propagation algorithm as a classifier. Matlab programming language is used to implement this system. |
| MYAT MON OO  (2009) | DR. THANDAR AUNG | Nurse rostering problem using genetic algorithm | In recent years, Genetic Algorithm (GA) has emerged as a useful algorithm for the heuristic solution of complex discrete optimization problems. There has been considerable interest in their use in the solution of scheduling and timetabling problems. The nurse scheduling problem has a number of characteristics that make them as ideal tested for many heuristic algorithms. This system is concerned with the development of GA for the nurse rostering problem at hospital In this system, a flexible schedule can be achieved for each nurse at ward in a hospital that provides the equivalent workload between nurses. To implement and evaluate the system chromosomes are used, which are the combination of parameters from a set concerned with the nurses. The chromosomes are selected by randomly until the existing nurses are unfulfilled. The system is implemented by using C# programming language. |