ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROECT TITLE : MILEHIGH - SOCIAL SECURITY APP WITH INTEGRATION OF ALL OTHER APPS

ABSTRACT: Android has emerged as a new mobile development platform, building on past successes while avoiding past failures of other platforms. Designed to empower mobile software developers to write innovative mobile applications, Android is open source platform, and developers enjoy many benefits over other competing platforms. Android is being positioned to address the growing needs of the mobile marketplace.

MILEHIGH is a mobile app which is used for providing security when people are in dangerous situation. This application is mainly developed to provide safety and security to the people. The first task in this app is, user can register into the app. After registering user can login at any time and can post status .User can also add some contact numbers, whatsapp numbers and email id‘s of user‘s friends and family members. Whenever user is in dangerous situation user can send message to registered contact numbers and can reach one selected contact in one touch button. User can also send images to registered contacts/email id’s. User can locate by directly connecting to GMaps. In order to provide immediate access user can login to facebook.

REGD.NUMBERS: 15HP1A0527, 15HP1A0526, 16HP5A0503

GUIDED : MR.L.V.RAMESH

PROJECT TITLE : SMART DETECTION OF ABNORMAL DRIVING -ANDROID APPLICATION

ABSTRACT: Real-time abnormal driving behaviors monitoring is a corner stone to improving driving safety. Existing works on driving behaviors monitoring using Smartphone's only provide a coarse-grained result, i.e. distinguishing abnormal driving behaviors from normal ones. To improve drivers' awareness of their driving habits so as to prevent potential car accidents, we need to consider a fine-grained monitoring approach, which not only detects abnormal driving behaviors but also identifies specific types of abnormal driving behaviors, i.e. Weaving, Swerving, Side slipping, Fast U-turn, Turning with a wide radius and Sudden braking. Through empirical studies of the 6-month driving traces collected from real driving environments, we find that all of the six types of driving behaviors have their unique patterns on acceleration and orientation. Recognizing this observation, we further propose a fine-grained abnormal Driving behavior Detection and identification system,D3 , to perform real-time high-accurate abnormal driving behaviors monitoring using smart phone sensors. We extract effective features to capture the patterns of abnormal driving behaviors. After that, two machine learning methods, Support Vector Machine(SVM) and Neuron Networks(NN), are employed respectively to train the features and output a classifier model which conducts fine-grained abnormal driving behaviors detection and identification.

REGD.NUMBERS: 15HP1A0510, 15HP1A0501, 15HP1A0513

GUIDED : MRS.R.PADMAJA

PROJECT TITLE: .iHEALTH - ANDROID APPLICATION

ABSTRACT: This project encounters about the health condition of the user and constructs the health reports of the user by physical examination. This project is based on the Android System Platform. After generating the health reports of the user it stores the reports in database. It is connected with WiFi network and data services are based on web server interface. MySQL database is used for the data storage of the client. After storing the data the data storage can be connected to the server of the required hospital you prefer based on the health condition and the prescription required will be generated to your application by the Doctor specified by observing your health conditions if needed and if not required by observing your data reports the application suggests you the maintenance of the diet to prevent the chronic diseases from you.

REGD.NUMBERS: 15HP1A0514, 15HP1A0524, 15HP1A0504

GUIDE: MR.K.VENKATESWARA RAO

PROJECT TITLE: .AN EFFICIENT SECURE CRYPTOGRAPHY MODEL FOR MOBILE CLOUD COMPUTING

ABSTRACT: With the popularity of cloud computing, mobile devices can store/retrieve personal data from anywhere at any time. Consequently, the data security problem in mobile cloud becomes more and more severe and prevents further development of mobile cloud. There are substantial studies that have been conducted to improve the cloud security. However, most of them are not applicable for mobile cloud since mobile devices only have limited computing resources and power. Solutions with low computational overhead are in great need for mobile cloud applications.

A lightweight data sharing scheme (LDSS) for mobile cloud computing. It adopts CP-ABE, an access control technology used in normal cloud environment, but changes the structure of access control tree to make it suitable for mobile cloud environments. LDSS moves a large portion of the computational intensive access control tree transformation in CP-ABE from mobile devices to external proxy servers. Furthermore, to reduce the user revocation cost, it introduces attribute description fields to implement lazy-revocation, which is a thorny issue in program based CP-ABE systems. The experimental results show that LDSS can effectively reduce the overhead on the mobile device side when users are sharing data in mobile cloud environments. When users leave the system, they lose the right to decrypt the shared data. In this case, how do we ensure that revoked users cannot decrypt shared data?

In this , we successfully address these issues by proposing a hidden policy attribute-based data sharing scheme with direct revocation and keyword search.

REGD.NUMBERS: 15HP1A0521, 15HP1A0517, 16HP5A0506

GUIDE: MR.K.VENKATESWARA RAO

PROJECT TITLE: .SECRET SECURE PASSWORD SHARING TECHNIQUE

ABSTRACT: It is the age of Information and Communication Technology. Day-by-Day new technologies are emerging. With the evolution of new technologies, confidential and secret information are also increasing. If this critical information is to be shared then it becomes very difficult to share this secure and confidential information. In this paper, concentration is done on developing an algorithm to share Password securely using Secret Sharing technique. A Secret sharing technique starts with a secret and then derives from it certain shares which are distributed to the users. So in this paper the method is presented through which password can be securely distributed to several users. When necessary, the original password can be recovered and used further. So this paper provides a method through which user can share information securely. From the experiment and verification it is found that the algorithm gives satisfactory results.

REGD.NUMBERS: 15HP1A0522, 15HP1A0512, 15HP1A0528

GUIDE: MRS.CH.NAGAMANI

PROJECT TITLE: INTUITIVE DATA TRANSPORTATION IN SMART CITIES: A SPECTRUM-AWARE APPROACH

ABSTRACT: In view of the ever-increasing wireless traffic generated in smart cities. Related to vehicular systems we have recently designed a data transportation network, the vehicular cognitive capability harvesting network, which exploits the harvested spectrum opportunity and the mobility opportunity offered by the massive number of vehicles traveling in the city to not only offload delay-tolerant data from congested radio access networks but also support delay-tolerant data transportation for various smart-city applications. To make data transportation efficient, in this project, we develop a spectrum aware(SA) data transportation scheme based on Markov decision processes. Through extensive simulations, we demonstrate that, with the developed data transportation scheme, the V-CCHN is effective in offering data transportation services despite its dependence on dynamic resources, such as vehicles and harvested spectrum resources.

REGD.NUMBERS: 15HP1A0523, 15HP1A0516, 15HP1A0509.

GUIDE: MRS.K.SIREESHA

PROJECT TITLE: HOTSPOT RECOGNIZATION IN ONLINE VIDEO

ABSTRACT: Today people video watching habits are changed frequently, They seems interest to watch short length videos rather than long length videos. This videos consists of unnecessary information which user may skip, which consumes more time .To simplify this we design a web interface to display the Hotspots (Hot Segments) in a video to overcome the time-sync comments provided by online users.

We are going to separate the audio line from the video. After separation, we are identifying hotspot points within videos using the title of the video or by other methods. Those Hotspots of the events are annotated and display the progress bar.

REGD.NUMBERS: 15HP1A0532, 15HP1A0519, 15HP1A0502.

GUIDE: MR.B.V.SATISH BABU

PROJECT TITLE: PRIVACY CONSERVATING DISCLOSURE OF SENSITIVE DATA OVER THE CLOUD

ABSTRACT: Cloud computing provides a flexible and convenient way for data sharing, which brings various benefits for both the society and individuals . But there exists a natural resistance for users to directly outsource the shared data to the cloud server since the data often contain valuable information. Thus, it is necessary to place cryptographically enhanced access control on the shared data . Identity-based encryption is a promising cryptographically primitive to build a practical data sharing system. However, access control is not static. That is, when some user's authorization is expired, there should be a mechanism that can remove him/her from the system.

Consequently, the revoked user cannot access both the previously and subsequently shared data.

To this end, we propose a notion called revocable-storage identity-based encryption (RS-IBE), which can provide the forward/backward security of cipher text by introducing the functionalities of user revocation and cipher text update simultaneously.

Furthermore, we present a concrete construction of RS-IBE, and prove its security in the defined security model. The performance comparisons indicate that the proposed RS-IBE scheme has advantages in terms of functionality and efficiency, and thus is feasible for a practical and cost-effective data-sharing system.

Finally, we provide implementation results of the proposed scheme to demonstrate its practicability.

REGD.NUMBERS: 16HP5A0502, 15HP1A0518, 15HP1A0531.

GUIDE: MRS.K.SIREESHA

PROJECT TITLE: .TAG BASED IMAGE SEARCH BY USER RE-RANKING

ABSTRACT: Social media sharing websites like Flickr allow users. User re-ranking system for tag-based image retrieval with consideration of an image's relevance and diversity. The initial results include images contributed by different users . First, we sort these images by inter-user re-ranking. Users that have higher contribution to the given query rank higher. Then we sequentially implement intra-user re-ranking on the ranked user's image set.

REGD.NUMBERS: 16HP5A0504,15HP1A0507, 15HP1A0525

GUIDE:MR.K.SIVA RAMA KRISHNA

PROJECT TITLE: ENCIPHER TEXT MESSAGES : A NOVEL APPLICATION FOR BANKING

ABSTRACT: Smart phones have become an essential part in the life of the individuals and their priorities at the present time. Short Message Service (SMS) is a very popular way for mobile phone and portable device users to send and receive simple text messages. Almost all the users are used to send sensitive information over SMS. Unfortunately, SMS does not offer a secure environment for confidential data during transmission. Yet there are very few mobile chat applications that provide an end to end service to their clients. There must be a mechanism to protect SMS a message is needed so the SMS messages cannot be easily read by entities that are not permitted to see.

So, it is necessary to protect sensitive messages that are delivered by using SMS. Encryption is of prime importance when confidential data is transmitted over the network. The most widely accepted algorithm is AES algorithm. Various encryption schemes have been applied including hybrid encryption scheme by combining symmetric and asymmetric schemes. In my proposed algorithm, implementing all the schemes are by using AES as a Symmetric and ECDH as an asymmetric scheme to generate the key pair and exchange the shared key that will be used for the encryption of data by symmetric algorithm like AES.

Proposed application can run on any android platform which allows the user to encrypt the message before it is transmitted over the network. Proposed application provides a secure, fast and strong encryption of the data. There is a huge amount of confusion and diffusion of the data during encryption which makes it very difficult for an attacker to interpret the encryption pattern and the plain text form of the encrypted data.

REGD.NUMBERS:15HP1A0503, 15HP1A0511,15HP1A0515.

GUIDE:MR.Y.RAJESH

PROJECT TITLE: MANIPULATION OF TWITTER TRENDS : A FIRST ASPECT INSIDE THE SECURITY OF TWITTER TRENDS.

ABSTRACT: Twitter trends, a timely updated set of top terms in twitter have the ability to effect the public agenda of the community Unfortunately, in the wrong hands, Twitter trends can also be abused to mislead people.

In this project we attempt to investigate whether Twitter Trends are secure from the manipulation of the users. we study the topic level and infer the key factors that can determine whether a topic starts trending due to its popularity.

REGD.NUMBERS : 15HP1A0506 ,15HP1A0520 ,15HP1A0530

GUIDE: MR.L.V.RAMESH

PROJECT TITLE: IOT BASED HOME AUTOMATION BY USING ARDUINO UNO WITH BLUETOOTH MODULE HC-05

ABSTRACT: The design of Inter of Things (IoT) based home automation system using Ardino uno. Currently in day today's life we can hardly find a house without a home automation system. This project is intended to construct a home automation system that uses device to control the home appliances. This home automation system is based on IoT.

Home automation is very exciting field when it uses new technologies like Internet of Things (IoT). Ardino uno is credit card size computer. Ardino uno supports large number of peripherals. Ardino uno is having different communication media like Ethernet port, HDMI port, USB port, Display Serial Interface, Camera Serial Interface, Bluetooth, Bluetooth low energy. It allows to control number of home appliances simultaneously. Here local server is created on Ardino uno .

REGD.NUMBERS: 15HP1A0537,15HP1A0556

Dr.CH.RAJENDRA BABU

PROJECT TITLE: A NOVEL APPROACH OF IMAGE PATTERNS FOR EXTRACTED IMAGE

Image processing is the way to process the image in desirable manner. It needs some operations to handle different operations Nowadays it is growing rapidly among other technologies.

In this there are two types which analogue and digital image processing. Analogue Image deals up with extracting information or data in the form of printouts and photographs, whereas Digital used for modifying effects to current image.

In this aspect project mainly deals with digital image processing i.e.. Manipulating current image with different effects These comes up with Greyscale image conversion, Negative conversion, Sepia Image conversion , curve edge detection, red image conversion, green image conversion, blue image conversion and lastly detecting faces in an image.

REGD.NUMBERS: 15HP1A0545,15HP1A0546.

GUIDE: MR.K.NAGESWARA RAO

PROJECT TITLE: ONLINE PROJECT RECOMMENDER SYSTEM

ABSTRACT: Digital marketing is fundamental to businesses' success in today's modern era of engagement marketing. Promoting brands, products, and services online and through mobile applications is quickly becoming table stakes. So as a marketer, you must get on board. No digital marketing campaign should be without these critical activities. seo affects the presence or appearance of a website in the first page of a search engine. The visibility of a website can be paid or unpaid, but generally if a website wants to appear in the top position after an organic search then search engine optimization is the most important strategic tool to use. The whole internet marketing strategy circles around the SEO. The search optimization processes try to follow the working pattern of all the search engines and more specifically try to consider the algorithm used in search engines.

REGD.NUMBERS:15HP1A0559,15HP1A0540,15HP1A0542

GUIDE: MR.A.KOTESWARA RAO

PROJECT TITLE : TEXT EXTRACTION FROM IMAGE AND LANGUAGE TRANSLATION

ABSTRACT: Text extraction is now becoming trend all over the world. It plays a major role in finding valuable information, detection of data from image. We can do any type of activities using text extraction from image like document analysis, detection of vehicle license plate etc. This project discusses various schemes proposed earlier for extracting text from image. In this application we added a small feature that if there is text written in any image and we separate that text from the image. Such that we can convert this text to user understandable language . The main goal of this project is that, if we had gone to other places, so that we can't understand their local language written on any shop-board, direction sign of roads....etc. In this situation, we capture the text written on the board or direction signs and by using this application we can extract the text and can convert to understandable languages.

REGD.NUMBERS:15HP1A0553,15HP1A0555,15HP1A0534.

GUIDE: DR.A.SRINIVASA RAO