IEEE PROJECTS IN JAVA / J2EE / J2ME / ANDROID : 2014 - 15

JA 6001. Big Data - SP: ANALYSIS OF BANKING UNSTRUCTURED DATA WITH DATA MINING TECHNIQUE & BIG DATA IMPLEMENTATION

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXITING SYSTEM**, Data Mining Technique is implementable, but Big Data Concept is Emerging. Data Mining can process only Structured Data only. In the **PROPOSED SYSTEM**, Big Data Approach is spoken all over the Paper. They insists of Three Tier Architecture, 1. Big Data implementation in Multi System Approach, 2. Application Deployment - Banking / Insurance., 3. Extraction of Useful information from Unstructured Data. In the **MODIFICATION** Part of the Project, we implement this Project for Banking Domain. Every User's online Transaction, Deposit & Bill Payment system. Transaction & Deposit Details are extracted using Data Mining Technique, Bill Payment System is considered for Big Data Process. Mobile payment & DTH Payment are considered as unstructured Data. The useful information which is extracted is Type of Mobile & DTH Network are Analyzed.

ALGORITHM / METHODOLOGY: Big Data

DOMAIN: Big Data, Data Mining, Society / Social Cause

IEEE REFERENCE: **IEEE Transactions** on Knowledge and Data Engineering, 2014.

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JA 6002. `Image Key` : IMPLEMENTATION OF KEY-AGGREAGE CRYTO WITH STEGANOGRAPHY FOR SECURED DATA SHARING IN CLOUD COMPUTING

ARCHITECTURE DIAGRAM
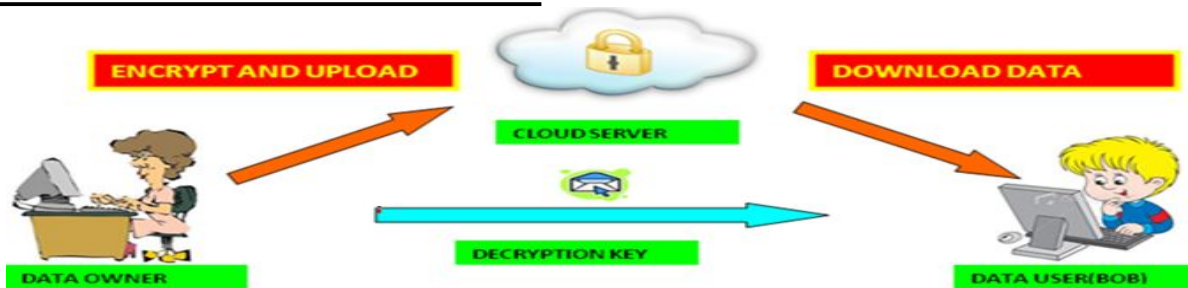
DESCRIPTION : In the **EXISTING SYSTEM**, Although Cloud Computing is vast developing technology, the challenging problem is how to effectively share encrypted data in cloud computing. In the **PROPOSED SYSTEM**, Data owner randomly generates public/master-secret key pair after account is created in the server. Data owner encrypts the data, public key and data index & then uploaded in the Cloud Server. Data owner Generates Aggregate Decryption Key (ADK) using its master-secret key, Data owner can share the data to other Users by sending it's ADK to those via Secured E mail. Original Data is downloaded only after Verification of ADK. **MODIFICATION** of the project is, user will encrypt the file, public key and index into an image called Steganography to cloud. User will be giving their User Name, PWD, user Public Key and send the request to the owner. If owner is interested to share then it will forward ADK, private key and key2 to the user. User is authenticated after verification so that the data is shared securely.

ALGORITHM / METHODOLOGY: AES, Key Aggregate Cryptosystem

DOMAIN: Cloud Computing, Image Processing, Security

IEEE REFERENCE: **IEEE Transactions** on Parallel & Distributed System, 2014

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JA 6003. Third Eye : IDENTIFICATION, DETECTION & ELIMINATION OF SELFISH & MALICIOUS NODES WITH BUFFER LEVEL MONITORING FOR SECURED DATA COMMUNICATION IN DTN

ARCHITECTURE DIAGRAM:
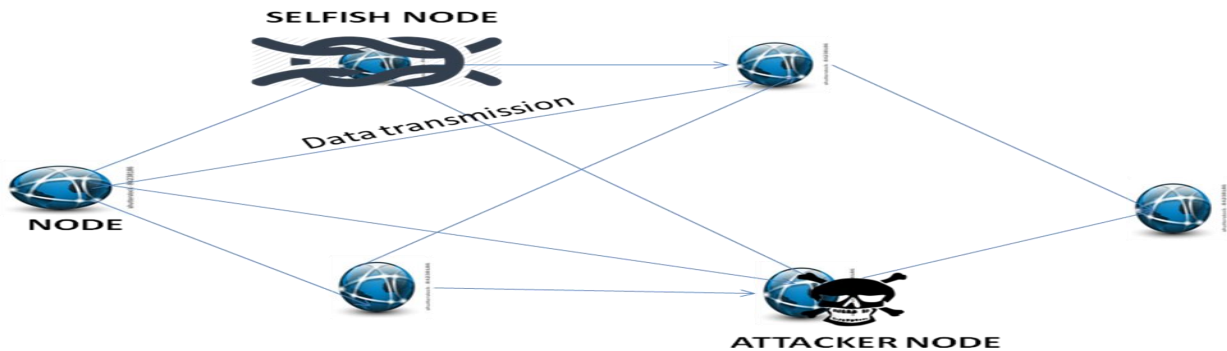
DESCRIPTION: In the **EXISTING SYSTEM** there is no energy level will be maintained in the network also there is a packet loss between the network when the node try to transfer the data. In the **PROPOSED SYSTEM** we are Detecting Selfish & Malicious Nodes so that an Alternative Best Route is chosen. Selfish Nodes are Harmless but it will Transmit / Receive Data from their Friends List. Malicious Nodes will Drop / Redirect Packets once they are Attacked. In the **MODIFICATION** part of this Project, We are Monitoring Buffer Level of Every Node to Identify Packets Loss is due to Incapability of the node or they are Malicious. Incapability is considered as Normal. Packets are Encrypted using RC4 Algorithm.

ALGORITHM / METHODOLOGY: Selfish, Malicious Behavior & Buffer Level Tracking

DOMAIN: **Network Security**

IEEE REFERENCE: IEEE TRANSACTIONS on Parallel and Distributed System, 2014

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JA 6004. Catch The Thief : AUTO MOBILE THIEF DETECTION WITH AUTOMATIC LOCATION TRACKING APPLICATION USING ANDROID

ARCHITECTURE DIAGRAM
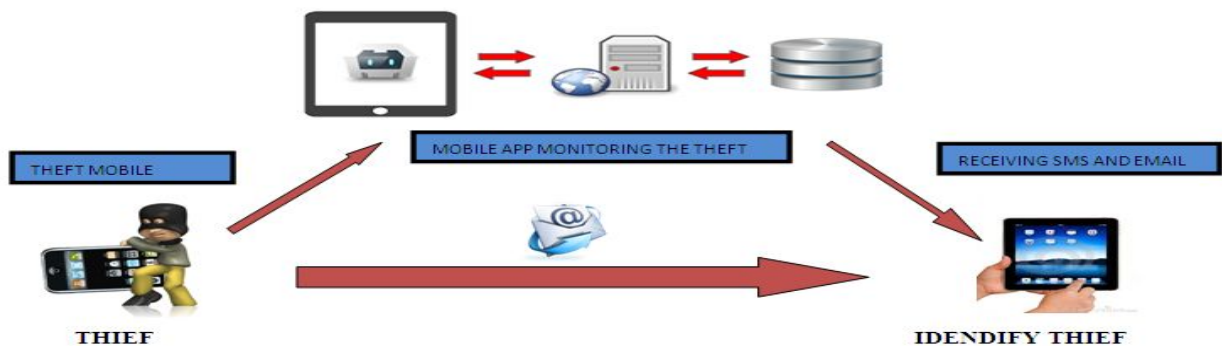
DESCRIPTION : In the **EXISTING SYSTEM**, user Location is usually tracked using GPS, but it is difficult to identify the thief by using GPS tracking. So there is no effective Location Tracking Mechanism. Obviously difficult to identify the theft by using GPS tracking. In the **PROPOSED SYSTEM**, this paper presents a technique to improve anti-theft for android based mobile phones by using different services like SMS, Camera. Android based Application is installed which is used to track the SIM Card ID (IMSI). If Android Phone is stolen obviously SIM card would be changed, as our Application will Track the SIM Card, it will take snapshot of the person who has taken the Phone & the link is stored in a URL. This URL link is sent as SMS to the Alternative Number of the Original Owner & Snap Shot is sent to the Owner's E mail ID also so that Thief is identified. **MODIFICATION** of the Project is to Continuous Track the Theft Person, Using GPS Enabled Mobile.

ALGORITHM / METHODOLOGY: SMS Service

DOMAIN: Mobile Computing, Android, Security, Society / Social Cause

IEEE REFERENCE: IEEE Paper on IACC, 2014

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JA 6005. `User Track` : ROLE BASED JOINT THRESHOLD KEY GENERATION WITH BLUETOOTH ID VERFICATION FOR DATA SECURITY

ARCHITECTURE DIAGRAM:

DESCRIPTION : In the **EXISTING SYSTEM**, Relational database which has lot of Administrators to Control Every Tables. Admin is authorized to control their own Corresponding Tables only. If the admin password is hacked, then Data Changes and Updating can be Proceeded by the Hacker himself. There is no security factor. So **PROPOSED MODEL** Provides the Hardware Based Privacy which deals with the Permitted Privileges of Every Admin and Joint Threshold Integration Model [JTIM] which aims at getting their Part of Session Key as Approval if one Admin is Updating the Data. Also it will check for the system no. The Session key Provided by all the Admins are integrated and Compared with the Original Session Key, only if the Key is matched Data is Modified. **MODIFICATION** of the Project is Bluetooth Hardware ID is used for user authentication. Server verifies user name, PWD Generated concordinated Bit key and Bluetooth ID used for authentication, only then the data is updated. Session Key is Sent as E mail.

ALGORITHM / METHODOLOGY: E Mail Service, JTIM

DOMAIN: Data Mining, Security

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

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JA 6006. Best Doctor : BIG DATA IMPLEMENTATION OF MACHINE LEARNING CONCEPT OF DISEASE & MEDICINE DISCOVERY WITH EVIDENCE GATHERING - SYSTEM AS A DOCTOR

ARCHITECTURE DIAGRAM:
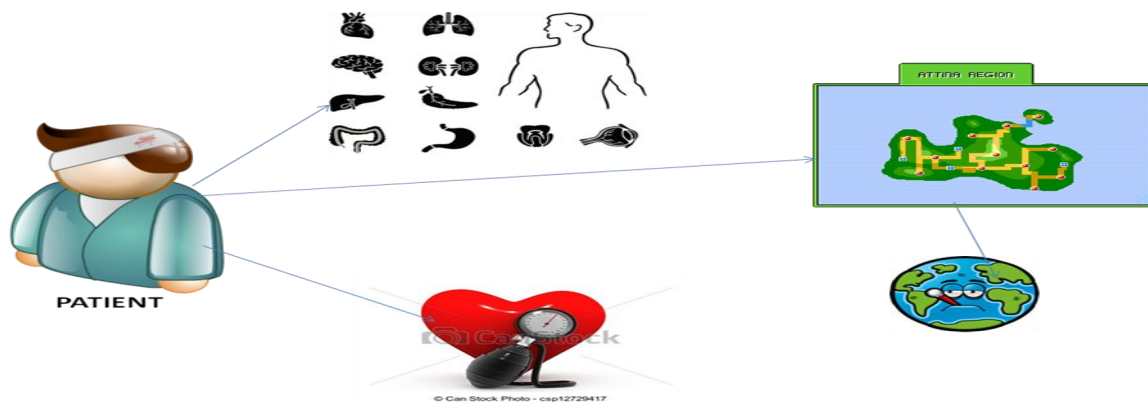
DESCRIPTION: In the **EXISTING SYSTEM**, normal Data Mining based Disease Learning Analysis are very much available from a Structured Data. There is no Evidence Based Medicine Analysis. Big Data Analysis is not Available yet. In the **PROPOSED SYSTEM**, Evidence Based Medicine Analysis is achieved using Big Data Technique. This Process is Achieved by 1. Analysis of Patient Health Condition, 2. Formulating Questions, 3. Evidence Gathering & Analysis, 4. Resultant Output. In the **MODIFICATION**, an Automatic Machine Technique is used for Disease Discovery and it's Appropriate Evidence based Medicine Analysis is achieved. Until Disease is not yet Diagnosis Evidence based Medicine Analysis is of no use.

ALGORITHM / METHODOLOGY: Big Data, Machine Learning

DOMAIN: Big Data, Data Mining, Society / Social Cause

IEEE REFERENCE: IEEE Paper on HICSS, 2014.

JA 6007 . Worm Destroy: INTEGRATED IMPLEMENTATION OF MODELING, PROPAGATION AND DETECTION OF WORMS IN OUTBOX OF ATTACKER

ARCHITECTURE DIAGRAM:
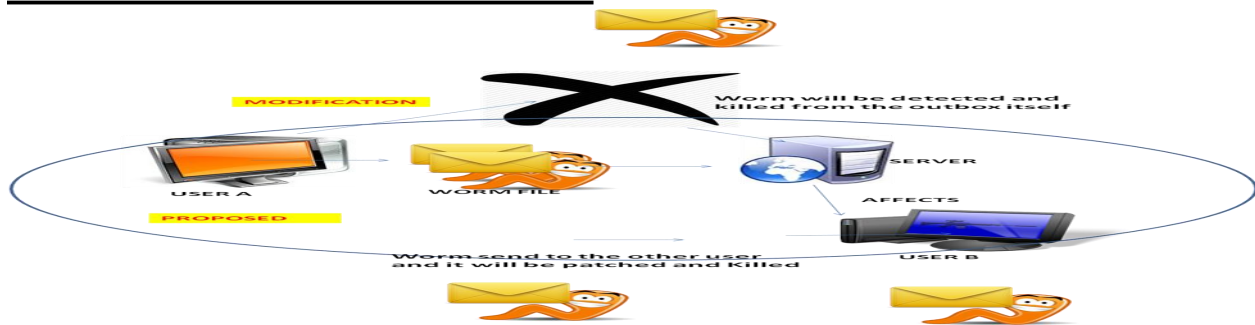
DESCRIPTION :
In the **EXISTING SYSTEM**, E mail Malware Poses Critical Threats. These malwares could cause the Computer to be Compromised. In the **PROPOSED SYSTEM**, Malware / Virus is Modeled and Propagated into other Computers to compromise those. Once one Node is Infected it becomes Compromised. It starts sending Mail of Virus file to rest of it's Neighbour Nodes to which it is attached. User is Infectious at it's Active State. If all three nodes are Infected and which are connected to a Single node in its Tree, then all 3 will affect that Single Node. After Analysis of the Behavior of the Virus Patches are Distributed to Kill the Virus. In the **MODIFICATION** part of the Project, is to filter a Virus Data from the Sender End itself. We Implement both Proposed & Modification System, where by Virus Data is Analyzed with Pre Stored Behaviour and Filtered in the Sender End itself on order to Prevent Virus Penetration.

ALGORITHM / METHODOLOGY: Worm Propagation and Detection

DOMAIN: Network Security

IEEE REFERENCE: **IEEE Transaction** on Dependable and secure computing, 2014

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JA 6008. Hand Speak : ANDROID CAMERA BASED HAND GESTURE RECOGNITION WITH CORRESPONDING VOICE PLAY BACK / COMMUNICATION & HEART BEAT MONITORING SYSTEM

ARCHITECTURE DIAGRAM:
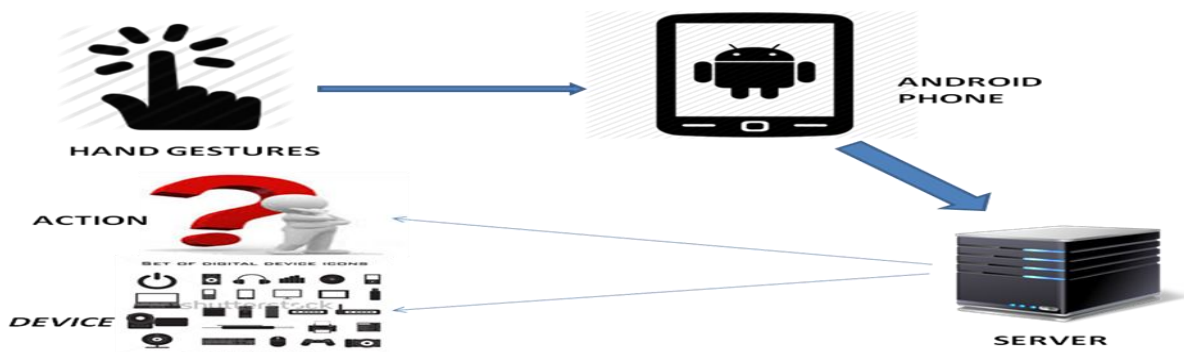
DESCRIPTION: In the **EXISTING SYSTEM** there is no hand recognition system to indicate the actions. In the **PROPOSED SYSTEM**, Android Application is deployed to capture Images through Camera. Main Idea of the Project is to understand the communication of the Deaf People. Deaf People will show their Hand Gesture to the Camera and communicates to the Normal Persons. In the **MODIFICATION**, Deaf Person will show the Hand Gesture to the Android Camera and Communicates to the Server to process the Hand Gesture Images. Server will Transmit the corresponding Values to the Android Phone and the Voice is Played accordingly to the Normal Person and Heart Beat Sensor is also attached to Track the Patient's Health.

ALGORITHM / METHODOLOGY: Gesture Recognition, Voice Playback

DOMAIN: Android, Mobile Computing, Embedded, Society Based

IEEE REFERENCE: IEEE paper on CSNT, 2014 .

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JA 6009. Hide me in an Image : IMPLEMENTATION OF HYBRID SECURITY LAYER OF STEGANOGRAPHY & VISUAL CRYPTOGRAPHY FOR SECURED CREDIT CARD PURCHASE

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM**, Rapid Growth of E Commerce market leads to lots of Credit / Debit Card Frauds happening via Internet. There is no Security in Cyber Space. In the **PROPOSED SYSTEM** of the Project, user selects a Product in the Cyber Space and provides His / Her Credit Card. User Provides Account Number along with the Secret Text. This Secret Text is Converted to ASCII & then to 8 bit Binary Format. This Corresponding 8 bit is converted into 4 Bit pair and converted into Text again. based on the Term a Duplicate word is formed and that sentence is hidden in a Image which is called Steganography. This Image is Splitted into Two Halves called Visual Cryptography. First half is stored in Server and 2nd Half is stored in the User End. Destegano is achieved to Retrieve the User Identification secret Text. **MODIFICATION** part of the Project, is User will giving 1st 4 Bit of the Password, Server will be giving 2nd 4 Bit Password. Server will be showing a random set of Images for Steganography, out of which only 1 Image is Provided by the User during Registration.

ALGORITHM / METHODOLOGY: Steganography, Visual Cryptography

DOMAIN: Security, Image Processing, Society / Social Cause

IEEE REFERENCE: IEEE Paper on SCEECS, 2014.

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JA 6010. Ant Follow : IMPLEMENTATION OF BIO INSPIRED ALGORITHM IN IDENTIFICATION OF BEST ROUTE VIA ANT COLONY OPTIMIZATION, ENERGY LEVEL & THROUGHPUT WITH ENCRYPTION

ARCHITECTURE DIAGRAM:
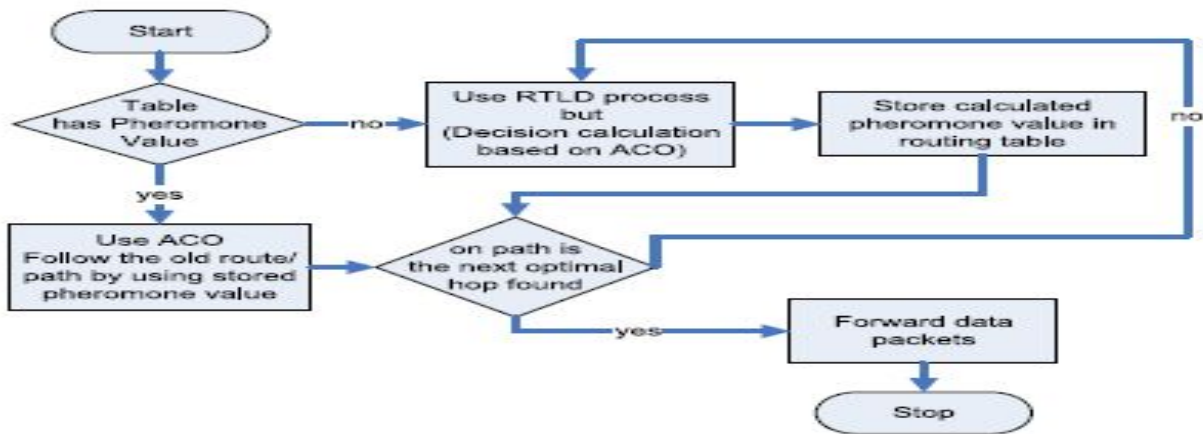
DESCRIPTION: In the **EXISTING SYSTEM**, As we are aware that WSN has very minimum life time for Data Transmission. Packets drop is usually Expected. In the **PROPOSED SYSTEM**, Ant Colony Optimization is preferred idle based on Pheromone Value in the network or SRTLD is used when Pheromone Substance is not Present based on Power, Location, Routing & Security. In the **MODIFICATION** part of the Project, we also consider Node's Throughput, Cost apart from Energy Level. We Encrypt the Packets during Transmission for Secured Communication.

ALGORITHM : ACO, SRTLD, Energy Level, Throughput, RC4,

DOMAIN: Networking

IEEE REFERENCE: IEEE Journal on Sensors, 2014.

JA 6011. Take Photo & Mark Me : INTEGRATION OF NFC & RFID BASED USER ATTENDANCE WITH REMOTE CAPTURING & MONITORING SYSTEM

ARCHITECTURE DIAGRAM:

MAKE ATTENDENCE
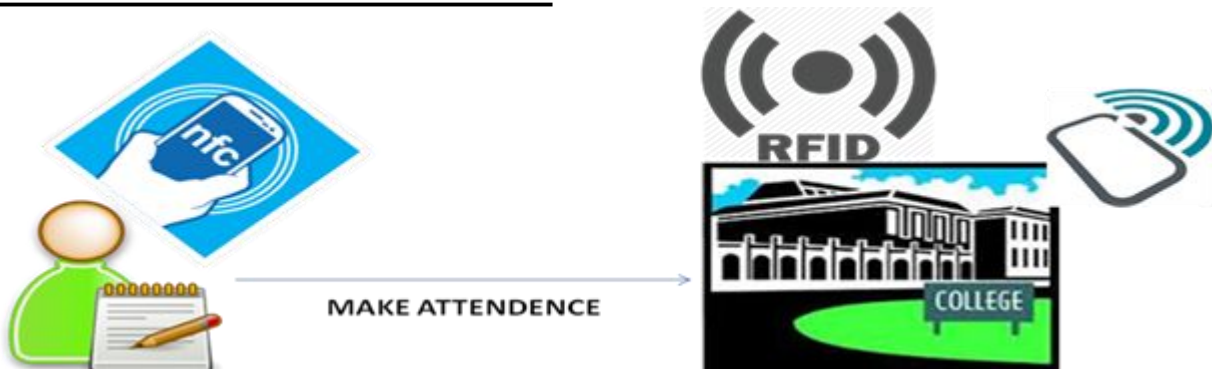
DESCRIPTION: In the **EXISTING SYSTEM**, Attendance is System is pretty Old Technology to call the names of the Students Manually. Proxy Attendance is quiet comfortably happening. In the **PROPOSED SYSTEM**, Near Field Communication (NFC) based Attendance System of every user is Authorised. Then after Android Camera is initiated and takes a Snap of the user which is send to the Department Head, so that User is Verified by capturing face also. The **MODIFICATION** of the Project, apart from NFC, another RFID is attached in the Door of the class room along with another Camera. NFC is verified and communicated to the Android App via Bluetooth and Snap is taken and sent to the HOD. In the Door part, Students will not have RFID card, without Showing RFID card moment is Detected then Camera takes another Snap and Sends to the HOD. Students who come out during Class Sessions are Traced.

ALGORITHM / METHODOLOGY: NFC, E Mail Service

DOMAIN: Android, Embedded, Security, Society / Social Cause

IEEE REFERENCE: IEEE Paper on ICISA, 2014

JA 6012. Find Me Easily : RATELESS CODE BASED DATA DISCOVERY IN P2P NETWORK WITH ERASURE CODE

ARCHITECTURE DIAGRAM
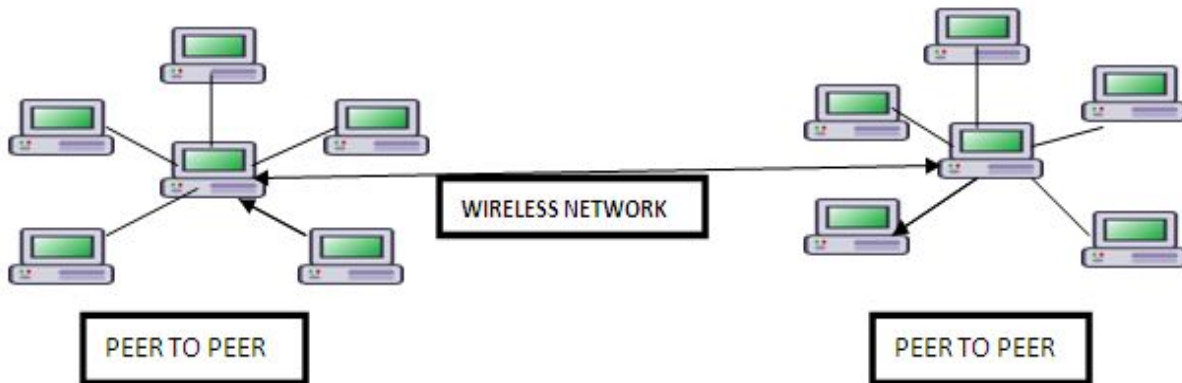
DESCRIPTION: In the **EXISTING SYSTEM**, query resolution for locating resources and update information on their own resource status in these systems can be abstracted as the problem of allowing one peer. Communication overhead is high. In the **PROPOSED SYSTEM**, We are Identifying Interface Peer (IP), a node which has number of connections, in a wireless network. IP will collect all the resources in the rest of nodes in that network. Packets exchanged among the nodes in network using random walk principle. It's also used to avoid or control traffic. All data's are encoded and decoded using Rateless Code. In the **MODIFICATION PROCESS**, we are using Erasure Code for encode and decode the original information. It will maximize the data persistence. It also reduces the time required to communicate the information.

ALGORITHM / METHODOLOGY: Rateless Codes

DOMAIN: Networking

IEEE REFERENCE: **IEEE Transaction on** Parallel and Distributed System, 2014

JA 6013. Role Search : PRIVACY ENSURED, SCANNING WITH SVM, ROLE BASED HIDING SENSITIVE DATA WITH COLLOBORATIVE TAGGING

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM** there is no websites are posted using the collaborative tagging. Therefore it is very difficult search for web results. In the **PROPOSED MODEL** the Organizational Authority updates their Company Portal with the Public sharing Data along with the Sensitive Data. The Query is processed based on the User Profile Analysis or Role based Authority. Sensitive Data are not shared among the Public and same can be shared with Permitted Authorities. We are using Collaborative tagging for the Query Analysis Model for easiest Data Retrieval. The **MODIFICATION** of this project is to implement as search engine as well as portal management by authorities. Android user/web user will search a keyword with location, feedback and cost to retrieve the results. Users can also give their feedbacks. we use SVM for extraction of results. Department Head Role is to update their part of portal and retrieve only corresponding data. Admin role is to approve the updation & keep the Sensitive Information.

ALGORITHM / METHODOLOGY: Collaborative Tagging, SVM

DOMAIN: Data Mining, Android

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

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JA 6014. Locate Me : IMPLEMENTATION OF COOPERATIVE TRACKING AND POSITION DETECTION FOR NON-GPS MOBILES USING BLUTOOTH TOWERS & GPS MOBILES

ARCHITECTURE DIAGRAM
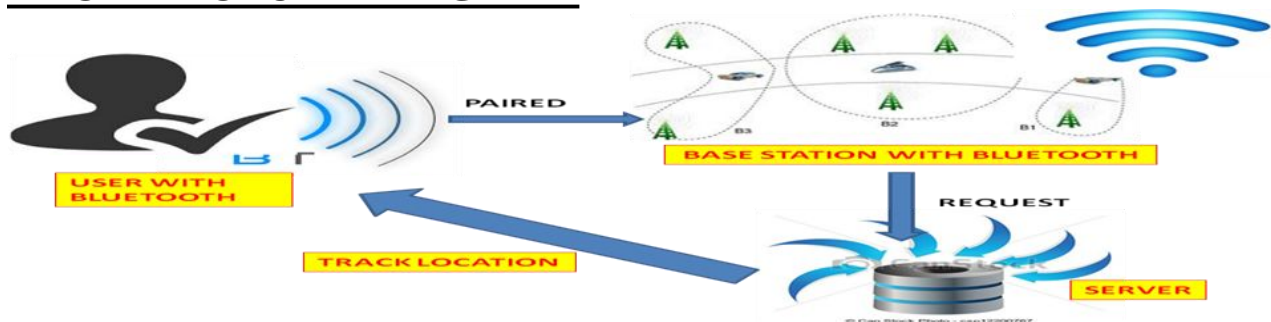
DESCRIPTION: In the **EXISTING SYSTEM** the location of the person will be tracked only by the tower or GPS. In the **PROPOSED SYSTEM**, the main Aim of the Project is to Track Exactly the Non GPS Mobile User. The Bluetooth Server is deployed at different Areas and it's ID is transmitted to the Server. GPS Enabled will also Roam around the City every where. If Non GPS Mobile User is available within the Limit of Bluetooth Accessibility, then User's Location is easily tracked. If User is out of Bluetooth Coverage area, then GPS Enabled Users will communicate with Non GPS Users via Bluetooth and the location is communicated to the Server. In our **MODIFICATION**, User can download a File from the Server without GPRS Connection through Bluetooth Communication from Rest of the Users.

ALGORITHM / METHODOLOGY: **Location Tracking, Bluetooth Recognition**

DOMAIN: **Android, Mobile Computing, Society / Social Cause**

IEEE REFERENCE: **IEEE TRANSACTIONS** on Parallel and Distributed Systems, 2014

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JA 6015. *Call Ambulance* : IDENTIFICATION OF NEAREST AMBULANCE VIA GPS SHORTEST PATH FOR PATIENT MONITORING WITH MEMS, HEART BEAT USING ANDROID & BLUETOOTH

ARCHITECTURE DIAGRAM:
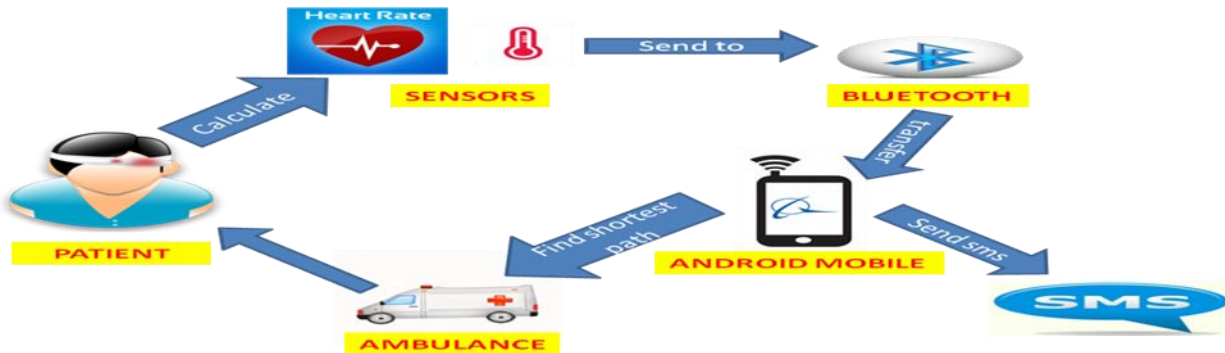
DESCRIPTION: In the **EXISTING SYSTEM**, patient has to be monitored by the person present in the home or by the helpers. There is no automatic alerting system is implemented so far. In **PROPOSED SYSTEM**, Patient with MEMS sensor is connected to the Android phone through GSM Communication. In case of emergency automatically Mobile GPS is triggered sent to the Server. Server will calculate the shortest path to reach the Ambulance and also Alert SMS to send to relatives. In the **MODIFICATION** part of this project, is along with the MEMS Sensor, Heart Beat and Temperature Sensor are connected. Instead of GSM communication we are implementing Bluetooth Communication.

ALGORITHM / METHODOLOGY: K-Nearest Neighbor (KNN) Technique

DOMAIN: Android, Embedded, Mobile Computing, Society Based

IEEE REFERENCE: IEEE Paper on ICACT, 2014

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JA 6016. Records Safe : CLOUD BASED SECURED HEALTH RECORDS STORAGE & RETRIEVAL SYSTEM WITH KEYWORD BASED KEY GENERATION & ABE

ARCHITECTURE DIAGRAM:

DESCRIPTION : In the **EXISTING SYSTEM**, Medical Records lose Security once it reaches Cyberspace. Sensitive information are Exposed to the Public. In the **PROPOSED SYSTEM,** Public & Private Cloud is Deployed. Files are Encrypted and stored in the Private Cloud. Key words are Extracted, Encrypted and stored in the Public Cloud. Sensitive information like User Name, Phone Numbers, Email ID & etc are removed. Data Access is Performed using Attribute Based Encryption (ABE) Algorithm. In the **MODIFICATION** part of the Project, User Files are automatically Placed in the Public & Private Cloud based on the Sensitiveness of the Data. Normal Files are placed in the Public Cloud, Secured Data in Private Cloud. Multiple Servers are Deployed for fast Data Retrieval.

ALGORITHM / METHODOLOGY: Keyword Key Generation, Stemming, ABE

DOMAIN: Cloud Computing, Data Mining

IEEE REFERENCE: IEEE Journal on Biomedical & Health Informatics, 2014.

JA 6017. Wireless Charger Hunt : VEHICLE THEFT IDENTIFICATION RFID BASED VEHICLE ID DETECTION IN A WIRELESS CHARGING APPLICATIONS

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM** there is no proper payment system for the electric chargeable vehicles. Also there is no very effective system to track the stolen vehicles; still police job is finding the lost vehicle is very difficult. In the **PROPOSED SYSTEM** the electric chargeable vehicle will be monitored by the server if the vehicle will be stolen. The owner will give the request to the server when the stolen vehicle get charged it will send request to the police station and send alert to the vehicle owner. **MODIFICATION** of the Project is Stolen Request is given via Android Application or through System to the Server. We also include Wireless Power Transmission (WPT) in this Project to charge the Vehicle. We use RFID for Vehicle Number Authentication.

ALGORITHM / METHODOLOGY: Wireless Power Transmission (WPT)

DOMAIN: Mobile Computing, Embedded, Society / Social Cause

IEEE REFERENCE: IEEE TRANSACTIONS on Vehicular Technology, 2014

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JA 6018. Guess The Password : ANDROID BASED GRAPHICAL PASSWORD & PIXEL BASED PATTERN RECOGNITION SYSTEM

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM**, we are only using textual password. These textual passwords are easily hacked by the attackers using Guessing attacks and Shoulder Surfing attacks. In the **PROPOSED SYSTEM**, User name is assigned with the corresponding Alphabetic Characters with Numbers, eg "ABCD" is considered as "1234". When all the numbers are added it equals to "10". Finally 1+0 = 1 this is corresponding to the Alphabet "A". User Chooses Two Images in A Section and server provides another Two Sets to the User. User is authenticated with these Images. In our **MODIFICATION,** Android based Application is developed in which User name and Password is provided to the Server. Password is processed as above said. User will choose Two Images and select Pixels in it. Next time Android user logins to the server by selecting the Surrounding Pixel of those Images along with the User Name & Password as said above.

ALGORITHM / METHODOLOGY: Pixel Calculation

DOMAIN: Security, Image Processing, Android, Society / Social Cause

IEEE REFERENCE: IEEE Paper on ICESC, 2014

JA 6019. Can't Destroy : IMPLEMENTATION OF DATA INTEGRITY WITH RECONSTRUCTIVE ERROR DATA USING ERASURE CODE AND TPA MANAGEMENT SYSTEM

ARCHITECTURE DIAGRAM
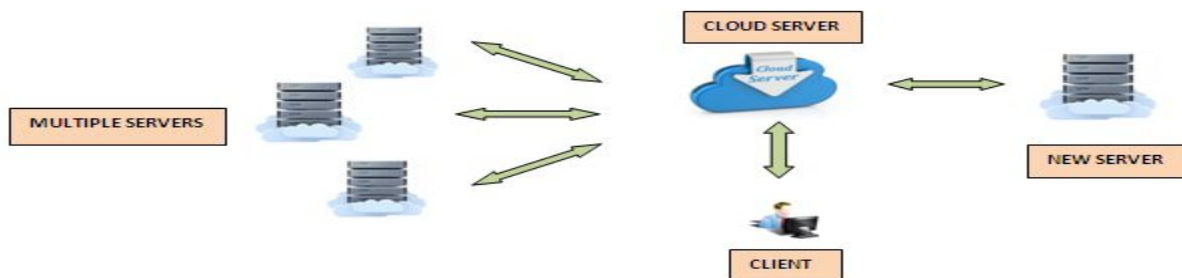
DESCRIPTION: In the **EXISTING SYSTEM**, cloud computing uses MRPDP and HAIL method for regenerating code has to minimize repair traffic. In the **PROPOSED SYSTEM**, using Functional Minimum-Storage Regenerating-Data Integrity Protection (FMSR-DIP) codes for allow clients to remotely verify the integrity of random subsets of long term archival data under multi server setting. FMSR-DIP codes perform basic file operations Upload, Download, Check and Repair for 1. Read data from the other surviving servers, 2. Reconstruct the corrupted data of the failed server, and 3. Write the reconstructed data to a new server using NCCloud. FMSR-DIP codes preserve fault tolerance and repair traffic saving. **MODIFICATION** of this Project is Data is encrypted, splitted and stored in separate Servers. We use Erasure Code implementation for Code Reconstruction Technique. Auditor is deployed to verify the data

ALGORITHM / METHODOLOGY: FMSR-DIP Codes

DOMAIN: Cloud Computing

IEEE REFERENCE: **IEEE Transaction on** Parallel & Distributed System, 2014

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JA 6020. *Sign Check* : USER BIOMETRIC AUTHENTICATION USING MOUSE BASED SIGNATURE VERIFICATION WITH OTP GENERATION

ARCHITECTURE DIAGRAM:
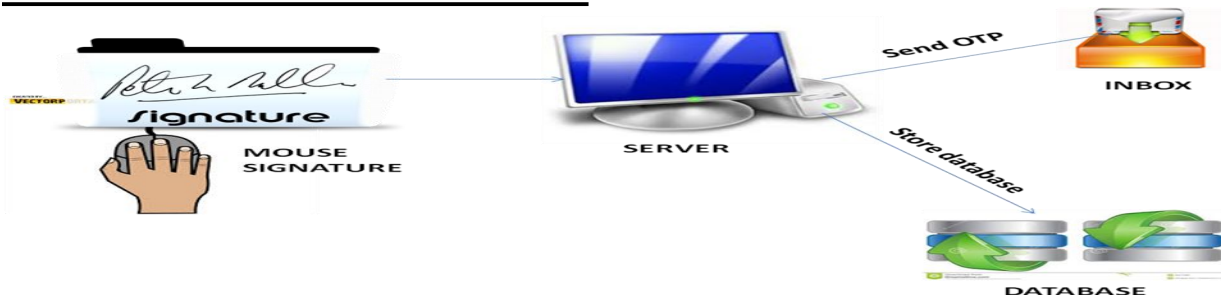
DESCRIPTION : In the **EXISTING SYSTEM**, Recently, several large-scale password leakages exposed users to an unprecedented risk of disclosure and abuse of their information. the inadequacy of password-based authentication mechanisms is becoming a major concern for the entire information society. In the **PROPOSED SYSTEM**, consist of three major modules: (1) Mouse–Behavior Capture, (2) Feature Construction, and (3) Training / Classification. The first module serves to create a mouse-operation task, and to capture and interpret mouse-behavior data. The second module is used to extract holistic and procedural features to characterize mouse behavior and to map the raw features into distance-based features by using various distance metrics. The third module, in the training phase, applies neural network on the distance-based feature vectors to compute the predominant feature components, and then builds the user‟s profile using a one-class classifier. In the classification phase, it determines the user‟s identity using the trained classifier in the distance-based feature using NN. In the **MODIFICATION** process, a 4 Digit OTP is generated to the user‟s email ID. The user will be giving the „2‟ digit OTP and the server will be giving balance „2‟ digit OTP. Users „2‟ digit OTP is verified by the server and vice versa.

ALGORITHM / METHODOLOGY: **Secure Random Number Generation, One-Class Learning Algorithm**

DOMAIN: **Security, Society / Social Cause**

IEEE REFERENCE: **IEEE Transactions** on Industrial Informatics, 2014.

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JA 6021. *Judge Me* : WEB SERVICE IMPLEMENTATION OF RECOMMENDATION SYSTEM WITH USER BEHAVIOR MONITORING FOR EFFECTIVE QOS

ARCHITECTURE DIAGRAM
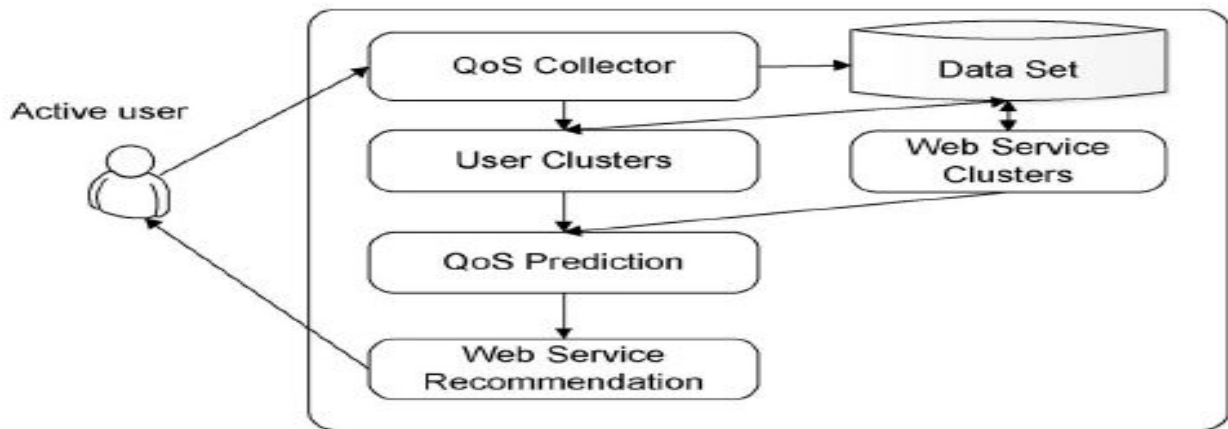
DESCRIPTION : In the **EXISTING SYSTEM**, Web Services have been Employed widely in the Network. It is difficult to judge the best Web Service System. In the **PROPOSED SYSTEM**, User Ranks the Best Web Service based on the User Location, Service Region, Personalized QOS Prediction & finally Server Recommendation. In the **MODIFICATION** Part of the Project we are Monitoring the user Behavior of Rating of Web Services. We will be monitoring User Rating and the Service Utility by the User. This ensures best Recommended Web Service.

ALGORITHM / METHODOLOGY: Recommendation Calibration, User Behavior Monitoring

DOMAIN: Web Service, Networking, Security

IEEE REFERENCE: IEEE Transactions on Parallel & Distributed Systems, 2014.

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JA 6022. Neighbor Tree : IMPLEMENTATION OF AUTONOMOUS ROUTE DISCOVERY THROUGH SHORTEST ROUTING, ENERGY LEVEL, COST & INDEGREE

ARCHITECTURE DIAGRAM:

DESCRIPTION : In the **EXISTING SYSTEM**, DLSR & DSDU Protocols are used which causes long delay in Packets Transmission. In the **PROPOSED SYSTEM**, Zigbee based Data Transmission is used. Zigbee Tree Routing (ZTR) is used. Paper specifies to implement Shortcut Tree Routing (STR) to implement. In the **MODIFICATION** part of the Project, We implement this Project in both Wired or Wireless Environment instead of Zigbee. We implement of STR along with calculating Energy Level and Cost of Energy Node. Based on Hop Calculation, Cost & Energy Level of every Node Best Route is identified & Packets are Transmitted. We also assign Coordinator Node to do these calculations based on Indegree Implementations.

ALGORITHM / METHODOLOGY: STR, Energy Monitoring, Cost, Indegree

DOMAIN: Networking

IEEE REFERENCE: IEEE Transactions on Parallel & Distributed Systems, 2014.

JA 6023. Grid Compute : IMPLEMENTATION OF OPTIMISED COST, LOAD & SERVICE MONITORING FOR GRID COMPUTING
ARCHITECTURE DIAGRAM
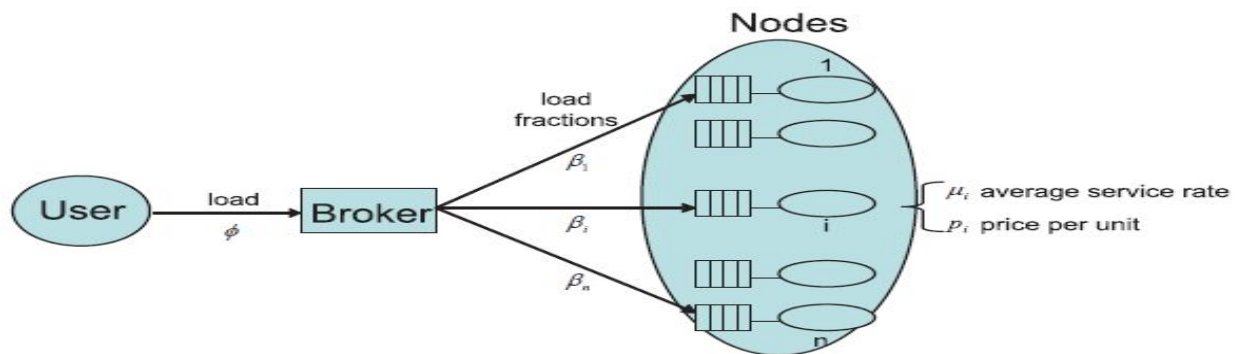
DESCRIPTION : In the **EXISTING SYSTEM**, Managing Resources and Pricing them is a Challenging Task. There is no Win - Win Situation between resource Providers and Users. In the **PROPOSED SYSTEM**, Broker plays a Vital role between users and Resource Providers. User will the Data and then Processed by the Broker. service Providers will specify their Cost & Efficiency to Perform the Job. The main Objective is to identify the Optimum Cost and efficiency o the Grid Resource Providers. In the **MODIFICATION** part of the Project, Service Providers are Deployed with Multiple Jobs. Based on the Job requested by the User, Broker will first find list of Resource Providers who can process the Work. Then work is splitted and allotted based on the Optimum Cost and the Performance. Round Robin based Work Allotment is Assigned to the Different Grid Servers.

ALGORITHM / METHODOLOGY: Optimized Price Calculation, Load Balancing
DOMAIN: Grid Computing, Networking

IEEE REFERENCE: IEEE TRANSACTIONS on Computers, 2014.

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JA 6024. Big Data Tweet Alert : AUTOMATIC EXTRACTION OF SOCIAL INTERFERENCE SYSTEM USING BIG DATA ANALYSIS WITH EMERGENCY ALERT

ARCHITECTURE DIAGRAM :
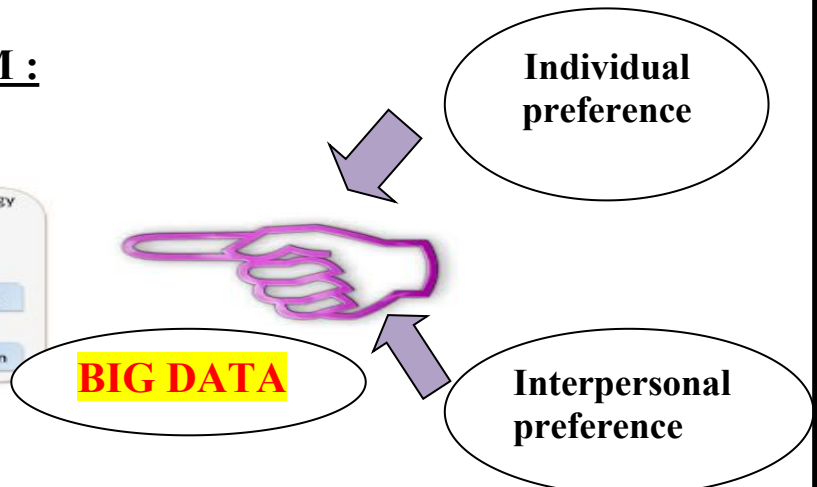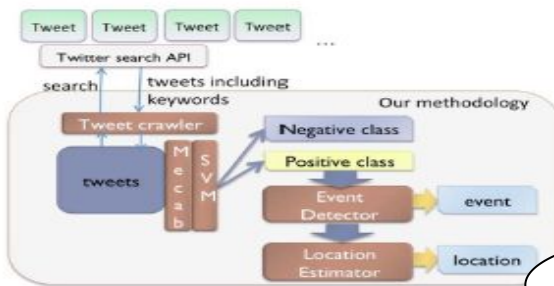
DESCRIPTION: In the **EXISTING SYSTEM**, there is no proper alert system was implemented to report about the earthquake, so there is no way to take immediate rescue process to save the people. In the **PROPOSED MODEL**, when the user receives a tweets posted by his/her friends it will be analyzed based on the two factors one is individual preference and the other is interpersonal preference. This knowledge can be learnt from social information and user-user interaction. In the **MODIFICATION** process, Big Data is used for Data Extraction. An emergency alert is send as SMS and E-mail alert for the registered tweet users as well as to the Nearest Rescue Team.

ALGORITHM / METHODOLOGY: Big Data, Influence Matrix and Latent Matrix

DOMAIN: Data Mining, Big Data, Society / Social Cause

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

JA 6025. Lifi EB Check : INTEGRATION OF REMOTE EB MONITORING, TAMPERING WITH ANDROID BASED AUTO PAYMENT SYSTEM

ARCHITECTURE DIAGRAM
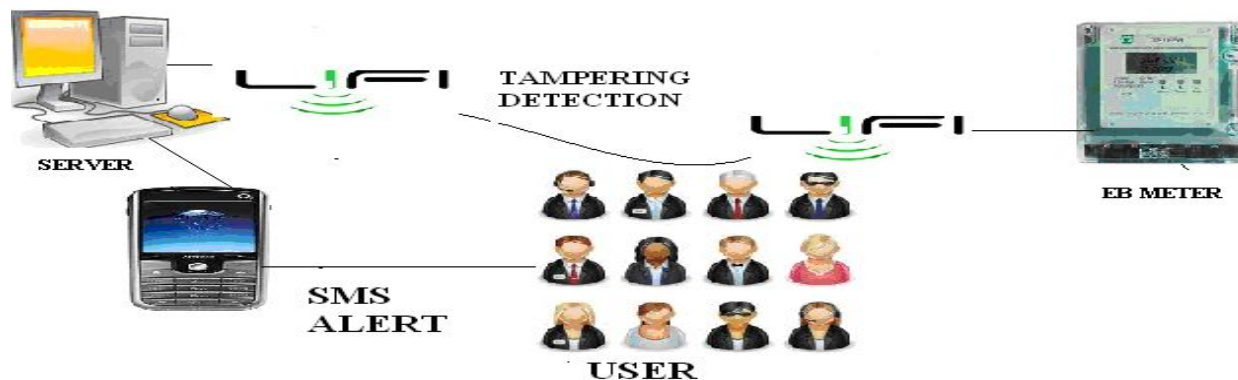
DESCRIPTION: In the **EXISTING SYSTEM**, Traditional electro-mechanical meters, still Widely used today, are prone to drift over temperature and time. EB Person has to come home and take the Meter Readings manually. In the **PROPOSED SYSTEM**, GSM network is used to detect the EB Meter Readings and Automatic SMS Alert is send to the Customer. In the **MODIFICATION** Part, We implement Lifi Technology instead of GSM as it is cheaper and will be useful even Not Reachable Tower Accessibility Areas also. One Lifi is connected to the EB Server and another is connected to the Home EB Meter. EB Meter Readings are obtained using Lifi Network as well we are detecting Neutral Tampering

ALGORITHM / METHODOLOGY: LiFi, SMS Service

DOMAIN: Embedded, Security, Society / Social Cause

IEEE REFERENCE: IEEE Paper on SCEECS, 2014

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JA 6026. High Repu – Find Me : IDENTIFICATION & RECOMMENDATION OF BEST & HIGH REPUTED USERS WITH INCENTIVES IN SPECTRUM RESOURCE ALLOCATION

ARCHITECTURE DIAGRAM:
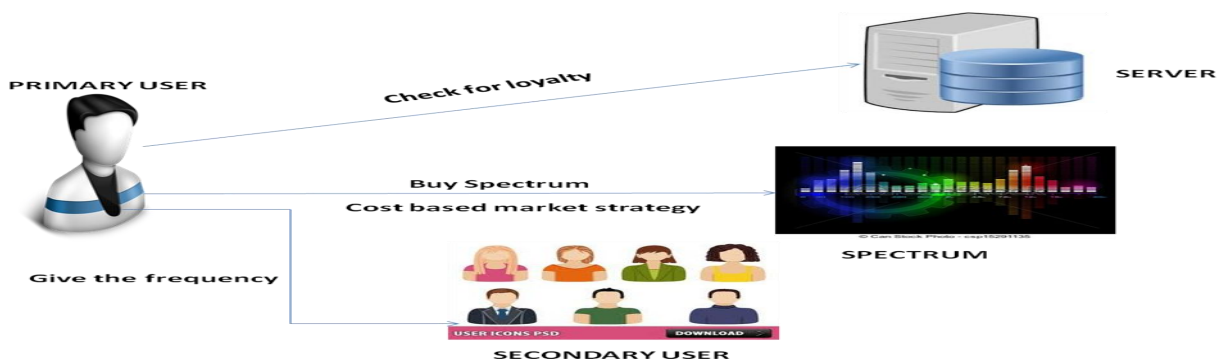
DESCRIPTION : In the **EXISTING SYSTEM**, Secondary Users share the Spectrum Resources from the Primary Users who are called Licensed Users. Secondary Users Purchase the Resources from the Primary Users rather from Servers as it is a Costly Affair. But Reputation & Cost is the major Factor in this. In the **PROPOSED SYSTEM**, we Deploy a reputation Model and "Market Indicative Price" is Analyzed. Reputations of the Primary Users are Provided by other Users, based on the Reputation value & Cost Fixation, Secondary Users will Select the Best Primary Users for Resource Lending. Apart from this Incentives are Provided for the Users for their Feedback & input Reputation Value of Primary Users. In the **MODIFICATION**, Incentives are Provided for the High Reputation Valued Primary Users, so that they can sell their Resources at High Cost to the Primary Users when compared to other Normal Users.

ALGORITHM / METHODOLOGY: Spectrum Allocation, Reputation Analysis

DOMAIN: Mobile Computing

IEEE REFERENCE: IEEE TRANSACTIONS on Mobile Computing, 2014_

JA 6027. Auto Disease Detection : MACHINE LEARNING APPROACH IN DISEASE DIAGNOSIS WITH ANALYSIS OF DISEASE TYPE, SYMPTOMS & TESTS IN CLOUD

ARCHITECTURE DIAGRAM
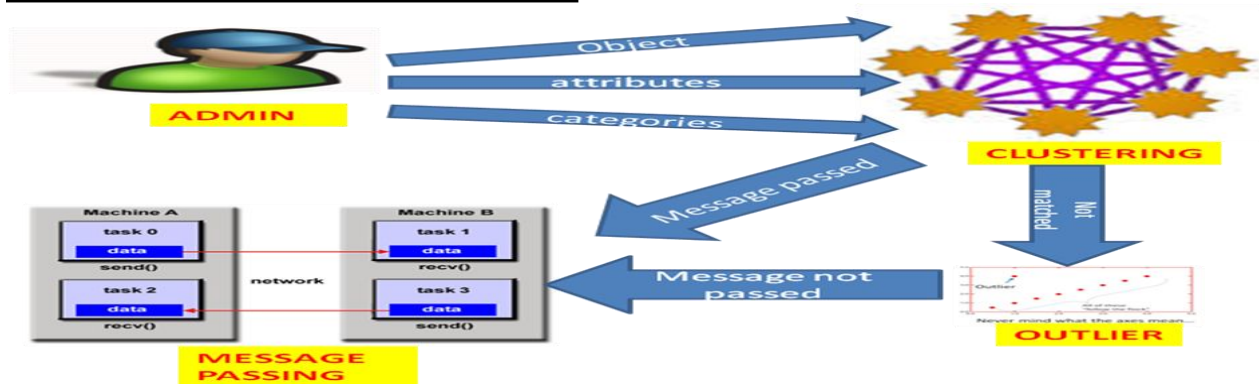
DESCRIPTION: In the **EXISTING SYSTEM** there is no clustering techniques were followed in message passing. In the **PROPOSED MODEL** based on the affinity propagation the newly arrived objects were clustered. In this each data sets were categorized into three major Varieties namely Categories (Product Name), Objects (Variety – Eg. Manufacturers), Attributes (Sub Category – Eg Model Number) &. Based on these three clustering was formed if an dataset is not fit into these three category it will be considered as outlier and the data will not pass to the user. In the **MODIFICATION** part, rather than mere purchase model we implement for disease diagnosis process. We use veka tool & machine learning technique in this project. We consider disease name, symptoms & biomedical analysis for automatic disease diagnosis process.

ALGORITHM / METHODOLOGY: Affinity Propagation Clustering, Machine Learning

DOMAIN: Data Mining, Cloud Computing

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

JA 6028. Load Share : PROFILE BASED CONCORRENT DATA DOWNLOAD - CLOUD, DATA SHARING & LOAD BALANCING

ARCHITECTURE DIAGRAM
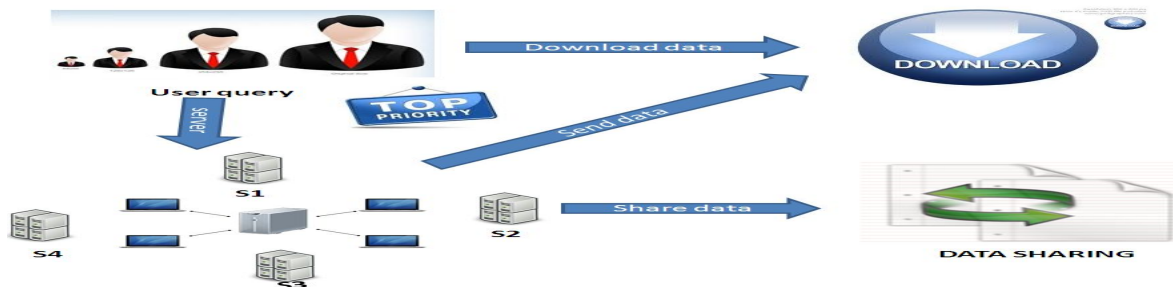
DESCRIPTION: In the **EXISTING SYSTEM** each processing node will partition a data set independently. There is no data sharing between the user either at load-time while pre-processing the data. In the **PROPOSED SYSTEM,** we are developing Two Techniques namely Data Download & Data Sharing. In Data Download Model, Priority based Retrieval is achieved based on the Query. The requested data is downloaded from different Servers as the Data are partitioned. In Data sharing, the data are divided into different chunks and stored as threads in the partition matrix. From the partition matrix the data will be retrieved for the read/write purpose without overlapping. The **MODIFICATION** part of the project is to implement Real Time Cloud (Drop Box) along with load balancing &Automatic and Continuous Data retrieval. Data sharing and download achieved as said in proposed system, except data is encrypted using AES. Data is partitioned in different sub cloud servers. 'DO' shares the 'P1' of Data to Cloud automatically. Data is shared to high priority user and remaining data is shared automatically from Main Cloud Server even before stored in SCS. We also detect best intermediate servers for data download.

ALGORITHM / METHODOLOGY: Multithreaded query processing, AES, LBS

DOMAIN: Networking, Data Mining, Cloud Computing

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

JA 6029. Eco Tour : MACHINE LEARNING APPROACH FOR AUTOMATIC SEASONAL TOUR PACKAGE WITH WEB SERVICES IMPLEMENTATION OF BOARDINGS VIA TRAVEL

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM** there is no proper recommendation system for travel package. In the **PROPOSED SYSTEM, "**Tourist–Area– Season Topic Model" **TAST is** used **as** Machine Learning Technique to Automatically identify the Recommended Seasonal Holiday Spot. It also calculates the Cost incurred by selecting User Preferred Movies, Travel Cost and the Depreciation Cost. In the **MODIFICATION** part, user can choose Mode of Travel either by Flight or by Train (AC or Normal) based on the user's selection of Travel, Boardings or Hotels will be recommended by the Server Automatically. We are using Web Service for this Project.

ALGORITHM / METHODOLOGY: TAST MODEL

DOMAIN: Data Mining, Web Service

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

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JA 6030. Virtual Key : IMPLEMENTATION OF RELAY BASED KEY GENERATION & VIRTUAL KEY FORMATION WITH XOR

ARCHITECTURE DIAGRAM:

DESCRIPTION : In the **EXISTING SYSTEM**, there is no need for the key generating terminals to obtain correlated observations in channel. In the **PROPOSED SYSTEM**, we build a Two Way Relay Channel Communication between the Nodes. For Example Bob & Alice can Communicate with Each other with Relay as the Intermediate Medium. Bob & Alice Share their Primary & Secondary Keys to the Relay. Both the Added together and made X-OR by Relay Node and Transmits the Corresponding Keys to both of them. This Key is used for Communication. In the **MODIFICATION**, Bob will obtain the Energy Level of Alice. So if Bob Sends the Data to Alice, Data is Encrypted & added with the Energy Value of Alice and again Encrypted using XOR Key obtained. Relay Receives the Data and Transmits to Alice. Alice has to give its Corresponding XOR Key to open the Encrypted Data. Then the Energy of the of Alice is verified, only then the Data is Opened.

ALGORITHM / METHODOLOGY: Key Generation, Virtual Energy

DOMAIN: Network Security

IEEE REFERENCE: IEEE Transactions on Information Forensics and Security, 2014.

JA 6031. Group Monitoring Cloud: A FRAMEWORK FOR USER BEHAVIOUR MONITORING, FLEXIBLE GROUP KEY GENERATION WITH EMAIL IF MEMBER EXIT / ENTRY

ARCHITECTURE DIAGRAM
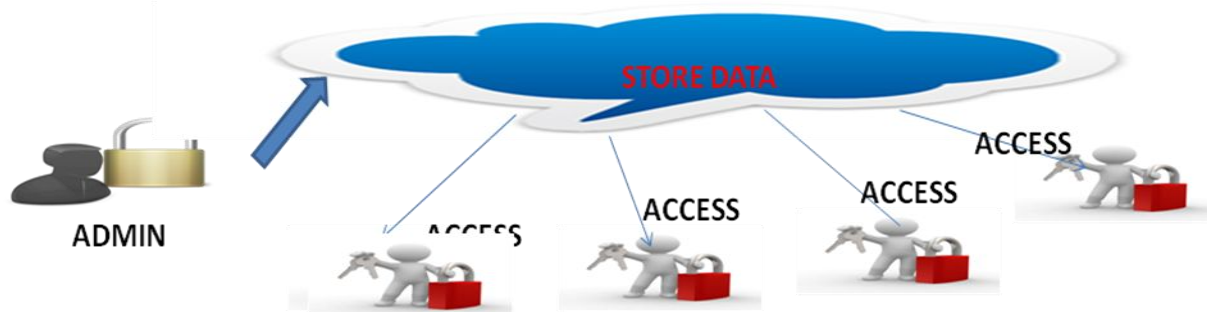
DESCRIPTION:
In the **EXISTING SYSTEM**, there is no Security in the Cloud is enforced. In the **PROPOSED SYSTEM,** Data Owner updates the information to the Remote Cloud Server for Data Access. Data owner appoints Members of Data Utility and Data updation. Members have to get permission for the Data updations from the Data Owner. Members will have their User Name, Key, Group Key for Access. Either If Existing member is removed from that Group, Group Key is automatically changed and updated to all the Members of that Group. The **MODIFICATION** is Group Key can be changed in case of New Member is added in that Group also. Member can Resign from the Group by themselves or Data Owner can Terminate the Member or can be Cloud Terminates the Member in case of Misbehavior (DDOS Attack, Same Data Download). updated new key is sent to the corresponding users through Email.

ALGORITHM / METHODOLOGY: Diffie Helmen Key Generation, Email Service

DOMAIN: Cloud Computing & Security

IEEE REFERENCE: IEEE TRANSACTIONS on Services Computing, 2014

JA 6032. Click On Current Frame: IMPLEMENTATION OF DATA/VIDEO RETRIEVAL SYSTEM FROM SELECTIVE ORDERED BUCKETIZATION WITH SECURITY

ARCHITECTURE DIAGRAM:
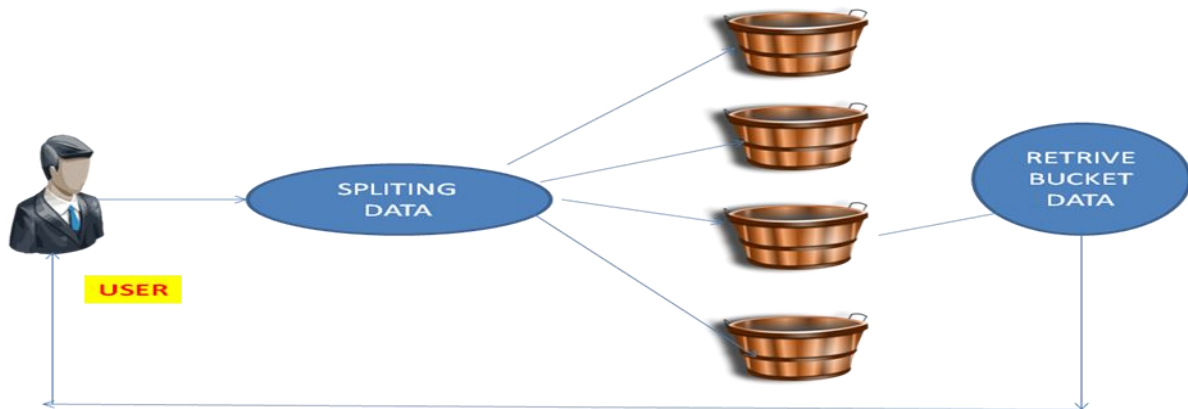
DESCRIPTION : In the **EXISTING SYSTEM** there is no bucketization process to access the data. In the **PROPOSED SYSTEM** the data will splitted into different chunks and stored in the bucket. The bucket number will be given to the user. Using the bucket number the user will access the data easily. **THE MODIFICATION PART** of this Project is Our Implementation of this Project. We will be storing both Data & the videos in the server. For Data Bucketization, Data is spitted into smaller Parts, Encrypted and stored as Index file. Requested Data is compared with the Index file and Data is retrieved. The Videos are Splitted into smaller Chunks based on the time Frames. User will request a Video along with the time Frame. Server will Stream the Video from the Requested Time Frame of the User.

ALGORITHM/METHODOLOGY: Ordered Preserving Encryption

DOMAIN: Networking, **Security, Multimedia**

IEEE REFERENCE: IEEE TRANSACTIONS on Dependable and Secure Computing, 2014

JA 6033. When To Purchase : INTELLIGENT SYSTEM OF FORECASTING OF PRODUCT PURCHASE BASED ON USER BEHAVIOR & PURCHASE STRATEGIES USING BIG DATA

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM,** we all know Data Gathering Techniques are increased and Unstructured Data are plenty in availability, which could not be Processed by Data Mining. In the **PROPOSED SYSTEM**, Big Data Concept is utilised for Utility Mining of Purchase by the Users. User's interests of purchase of particular Products are monitored and Frequency Item set is extracted. Each node scan its local database and generates the frequent item sets using A-Priori algorithm then its corresponding gain value is computed. Based on this gain value, the high utility item sets are mined according to the user specified threshold send it to master node In the **MODIFICATION** part of this Project, Using Big data Concept we are Analysing follow up Purchas of the set of Products from the Date of Purchase of first Product. Purchase of the set of Products from the date of purchase of first product. Ex User 1 would have purchased Computer, then 2 to 3 months later same user would purchase Printer. Wed can also measure Expected purchase of the set of products from the first purchase.

ALGORITHM / METHODOLOGY: Big Data, Utility Management

DOMAIN: Big Data, Data Mining, Society / Social Cause

IEEE REFERENCE: IEEE Paper on IACC, 2014.

JA 6034. Girls Safety: ANDROID BASED GIRLS SAFETY APPLICATION WITH BLOOD PRESSURE MONITORING & LOCATION TRACKING, EMERGENCY SUPPORT SYSTEM

ARCHITECTURE DIAGRAM:
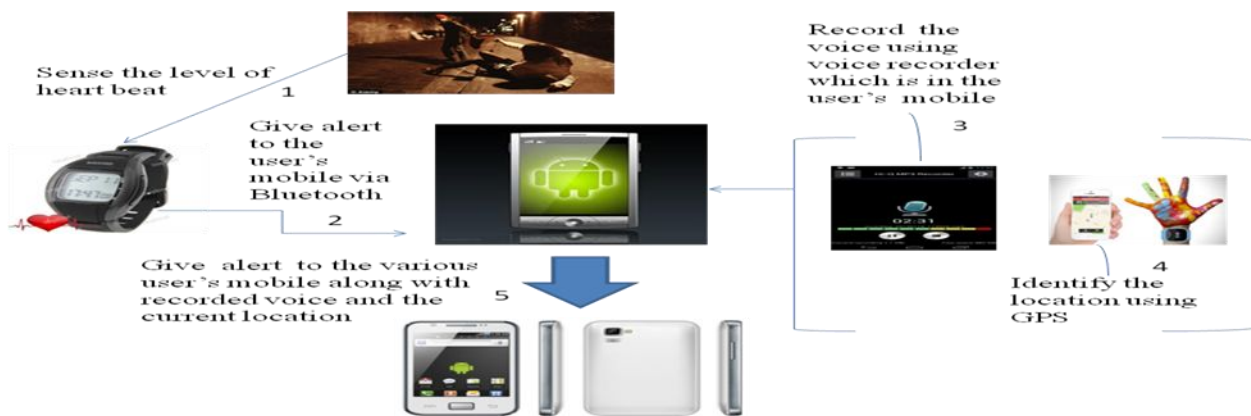
DESCRIPTION: In the **PROPOSED SYSTEM** the Android Application is used to track the location of the affected girls. The sensor is used to monitor the pulse rate of the girls. If the range of the pulse rate is changed from the normal condition for more than 15 mins, it will send a request to the server. The server will send an emergency alert emergency alert to the intern persons through gsm modem. Also it will send an alert to the nearest hospital if the pulse range is decreased and it will send an alert to the neatest police station if the pulse rate is increased. Then the intern person will track the location of the girl using GPS and they will take the remedial action for the affected persons. The mobile numbers of the intern person will be stored in the database. Each intern person will be provided with the authentication. Using that authentication they will access the corresponding application.

ALGORITHM / METHODOLOGY: KNN QUERY Algorithm, SMS Service

DOMAIN: Mobile Computing, Embedded, Android, Society Based

IEEE REFERENCE: IEEE Paper on ICMTMA, 2014

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JA 6035. Poll Me : IMPLEMENTATION OF OPINION POLL DATA AGGGREGARTION & BUSINESS MODEL ANALYSIS WITH PRIVACY PROTECTION USING ANDROID

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM**, Data Aggregation assumes a Trusted Aggregator hence it cannot protect with Untrusted Aggregator. In the **PROPOSED SYSTEM**, Android Mobile user Registers with the Server by answering set of Secret Questions and also gets User Name, Password, Encryption Key. The main Aim of the Project is to collect Public Opinion on any Issues with User Security & Privacy using homomorphic algorithm. Secret Questions are categorized into 4 – 5 Types and Secret Keys are extracted accordingly and Stored in the Server. The Opinion is encrypted by User using Key1 and further Encrypted using Key generated by the Server based on the Questions. Server Decrypts the Data and Counts for the Opinion Poll. Implementation of opinion data aggregation with privacy protection using android. In the **MODIFICATION** part the opinion is encrypted using AES algorithm and the secret questions are answered using homomorphic algorithm. We also obtain business model strategy be getting best product names along with opinion from the user.

ALGORITHM / METHODOLOGY: AES, Homomorphic, Business Model

DOMAIN: Android, Security

IEEE REFERENCE: IEEE TRANSACTIONS on Dependable & Secure Computing, 2014

JA 6036. Round Up DDOS : IDENTIFICATION & AVOIDANCE OF DDOS ATTACK FOR SECURED DATA COMMUNICATION IN CLOUD
ARCHITECTURE DIAGRAM:
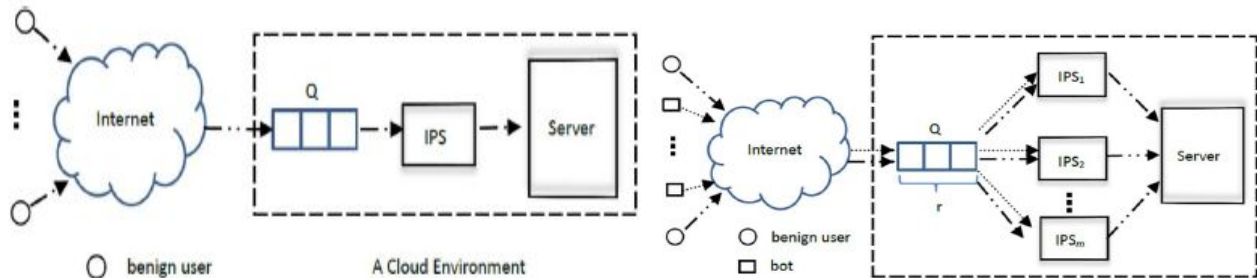
DESCRIPTION : In the **EXISTING SYSTEM**, DDOS Attack in a Client Server Environment would Collapse the Entire System, but as far as Cloud is concern it is not that Effective but still it will try to Disturb the Regular Activity of the System. In the **PROPOSED SYSTEM**, We Deploy Multiple Intrusion Prevention System (IPS) to Monitor the Activity of the Users and Filters the Request based on the behavior and forwards to the corresponding Servers through Cloud Server. Every Server would have allocated Certain Space in Cloud Server. IPS Monitors the Activity of the Users to Avoid DDOS Attacks. In the **MODIFICATION**, Few DDOS Attacks are Listed and Monitored. The Behaviour Patterns are 1. Continuous & same Request from Single User in a Point of Time, 2. Different Query from the Same User within a Period of Time, 3. Different Queries from Different Users but from Same IP, 4. Request of Huge Sized File beyond the Permitted. Based on these Patterns User Behaviour is Monitored DDOS Attack is Avoided in Cloud.

ALGORITHM / METHODOLOGY: DDOS Attack Detection, IPS

DOMAIN: Cloud Computing, Security

IEEE REFERENCE: IEEE Transactions on Parallel & Distributed System, 2014

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JA 6037. Bluetooth Password : ANDROID & BLUETOOTH BASED PASSWORD – USER AUTHENTICATION SYSTEM FOR CASH VEHICLE LOADING SYSTEM IN ATM

ARCHITECTURE DIAGRAM:

Keypad, RFID Reader, Buzzer, Display in Cash Box Vehicle

DESCRIPTION: In the **EXISTING SYSTEM**, User Access & Authentication System functions using Personal Identification (or) Touch Panel based Signature in the form of Password / PIN for Access. In the **PROPOSED SYSTEM**, Android based Application is Developed for Bluetooth based Authentication. Android user is authenticated by Processing the Password Provided through Bluetooth Communication. In Our **MODIFICATION**, same Android & Bluetooth based Password Authentication is achieved for ATM Money Loading Vehicle. One Bluetooth is attached with the Money Loading Vehicle & another is with ATM Machine. Authenticated person's Phone Bluetooth coordinates with the ATM Bluetooth if both the locations are matched; the Password is Generated and Verified by ATM Bluetooth via Vehicle Bluetooth.

ALGORITHM / METHODOLOGY: Bluetooth Device, SMS Service

DOMAIN: Android, Embedded, Security, Society / Social Cause

IEEE REFERENCE: IEEE Paper on ICECI, 2014

JA 6038. Atm Guard : SMART ATM GUARD IMPLEMENTATION WITH NFC BASED OTP DETECTION WITH USER BEHAVIOUR MONITORING USING ZIFBEE

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM**, RFID based Entrance System is implemented. NFC is not included. In the **PROPOSED SYSTEM**, User is authenticated through NFC via Zigbee for opening the Door. In our **MODIFICATION**, same NFC & Zigbee is used to ATM Application. User's BFC Tag is transmitted to the ATM Machine via Zigbee Network. We also monitor Time taken in ATM Machine, Withdrawal of Money, and Sequence Pattern. If any of the above said Parameters are Varied, OTP is generated to the Users Mobile. Even is n the normal Transaction, OTP is Generated to write in the NFC Tag for Next Transaction.

ALGORITHM / METHODOLOGY: SMS Service, NFC

DOMAIN: Security, Embedded, Mobile Computing, Society Based

IEEE REFERENCE: IEEE Paper on ICMTMA, 2014

JA 6039. Self Test : ANALYSIS & MONITORING OF NETWORK NODE, ALICE NODE BEHAVIOR & BEST ROUTE IDENTIFICATION VIA SERVER DEPLOYMENT

ARCHITECTURE DIAGRAM:
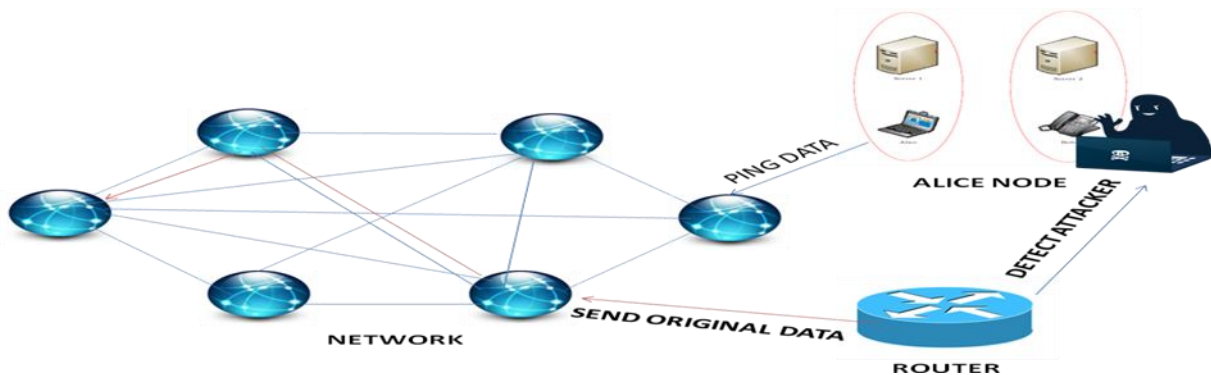
DESCRIPTION : In the **EXISTING SYSTEM** debugging the network is becoming very harder. There is a vast chance to lost the original packet. In the **PROPOSED SYSTEM** Alice node will examine the other node's behavior in the network and it will pass the sample packets to examine the node's Capacity in the Network. It will also identify the Best Route for Data Transfer. **MODIFICATION** of the Project is to Verify the Behavior of the Alice Node. Attacker would attack the Alice and can change it's Behavior. Every Node has to report it's Data Transmitting / Receiving History to both Alice & Server Node. Alice Node will also report it's Examination Details to Server. Server Verify all the Nodes and also Alice Node Behavior. Network is monitored by both Alice & Server Node.

ALGORITHM / METHODOLOGY: Test Packet Generation

DOMAIN: Networking, Security

IEEE REFERENCE: IEEE TRANSACTIONS on Networking, 2014

JA 6040. Cloud Share: IMPLEMENTATION OF COLLABORATIVE RESOURCE SHARING AMONG CLOUD SERVICE PROVIDERS WITH SOCIAL CONTEXT

ARCHITECTURE DIAGRAM:

DESCRIPTION : In the **EXISTING SYSTEM**, Cloud Computing application has become very Dominating and User Cloud utility Index has gone to the Maximum. As demand is increased single Cloud could not able to Server the Purpose. In the **PROPOSED SYSTEM**, We Implement Resource Sharing among the Cloud based on the Reputation Value of requested Cloud Server. Every Cloud Node Reports its available Resource to the Directory Node. Directory plays Vital role in Sharing the Resources among the Cloud. In the **MODIFICATION** part of the Project, We Implement Resource Sharing based on Reputation, Cost, Tender, volunteer.

ALGORITHM / METHODOLOGY: Reputation, Tender, Cost, Volunteer

DOMAIN: Cloud Computing

IEEE REFERENCE: IEEE TRANSACTIONS on Parallel & Distributed Systems, 2014.

JA 6041. Blue Track : BLUETOOTH & ANDROID-BASED INDOOR TRACKING & NAVIGATION WITH AUTO APPOINTMENT SYSTEM

ARCHITECTURE DIAGRAM
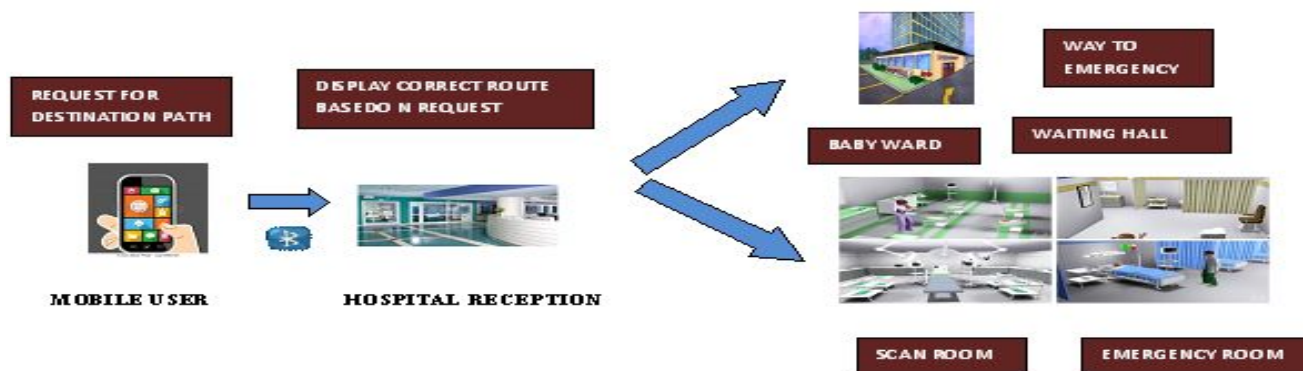
DESCRIPTION: In the **EXISTING SYSTEM**, GPS signals are blocked by walls. So tracking of indoor navigation is really tough. In the **PROPOSED SYSTEM**, a new real-time indoor guidance system using Personal Handy-phone System (PHS) and Android device for visitors in hospitals to estimate a user's indoor position in hospital. But the communication cost is high. In the **MODIFICATION PROCESS**, we are using Bluetooth in mobile for communicate the hospital system. So user gives a request to hospital reception for reach the destination via Bluetooth. And the user gets the Map Image to reach the destination. For example, if the user would select emergency room and will get the graph image to reach that room. During the path, user would be crossing Scan room means, Bluetooth installed in that scan room will send it's ID automatically to the user, even user can to fix appointment if he requires. This process will reduce waiting time spend on every room.

ALGORITHM / METHODOLOGY: RSS, Bluetooth

DOMAIN: Mobile Computing, Android, Embedded, Society Based

IEEE REFERENCE: IEEE Paper on ICACT, 2014

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JA 6042. *Use Me Quickly* : SECURED COUPON GENERATION AND REDEMPTION WITH LOCATION AWARE FEEDBACK & REWARD SYSTEM

ARCHITECTURE DIAGRAM
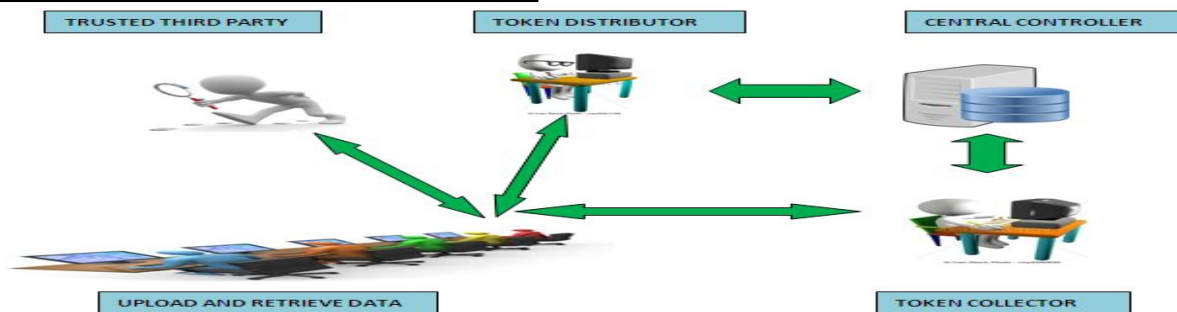
DESCRIPTION: In the **EXISTING SYSTEM**, Mobile Location-Based Services (MLBSs) have a lot of limitations and raise many concerns, especially about system security and user's location & identity privacy. In the **PROPOSED SYSTEM,** we develop a security and privacy aware location-based rewarding protocol for the LocaWard system. This protocol includes, Identity Initiation, Token Distribution and Token Redemption. In Identity initiation phase, Trusted Third Party (TTP) issues certificate in each Mobile User (MU) for authentication purpose. In Token distribution phase, Token Distributor (TD) will distribute location-based tokens based on MU request. TD also generates corresponding audition information and stores it in the Central Controller (CC) for future token verification. In Token redemption phase, Token Collector (TC) verifies the MU's token redemptions & reward the MU's with benefits. In the **MODIFICATION** part, coupon based product purchase user will give their feedback about the product using their transaction ID of purchase. This feedback is updated only to the corresponding location where purchase is made. OTP based authentication is also accessed for this feedback.

ALGORITHM / METHODOLOGY: Location Based Rewarding Protocol (LocaWard)

DOMAIN: Mobile Computing

IEEE REFERENCE: IEEE Transactions on Parallel and Distributed System

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JA 6043. *Combine me* : SECURED MULTI PARTY DATA FUSION AND EXTRACTION PRIVATE DATA

ARCHITECTURE DIAGRAM:
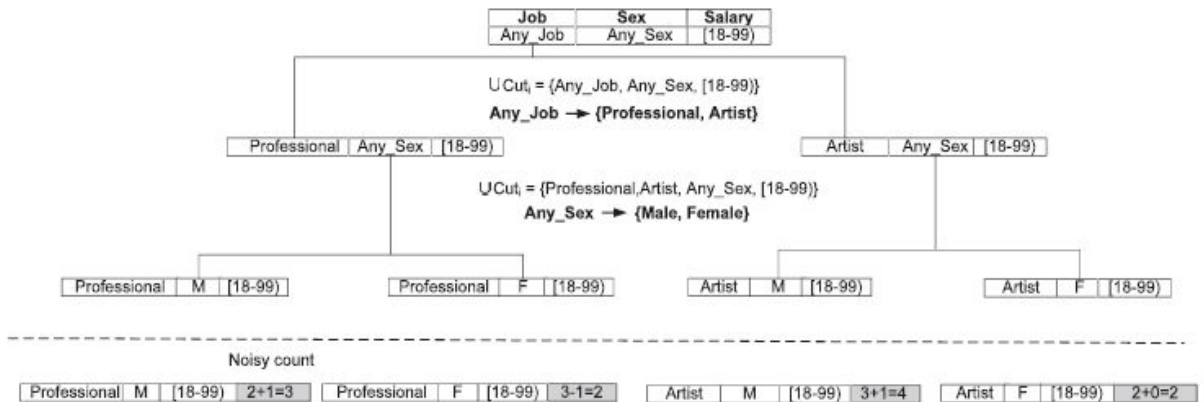
DESCRIPTION: In the **EXISTING SYSTEM** there is no differentiability in the private data each data will be processed and retrieved from the distinct data base only. In the **PROPOSED SYSTEM** the data will be processed from two distinct and different databases. Each data unique link between them using that link the data will be retrieved. In this we use algorithm for differentially private data release for vertically partitioned data between two parties in the semihonest adversary model. Also it use various protocol to retrieve the data. In the **MODIFICATION**, We will be Extracting New Data from the Merged Data. The Implementation is all about Company Employee who has got Loan. Employee ID plays as Primary Key and we can identify the List of Loan obtainers. Data is analyzed only by the Authorized Persons.

ALGORITHM / METHODOLOGY: Two Party Authentication Algorithm

DOMAIN: Data Mining
4

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014.

BMQR ISO/IEC 20000-1 CERTIFIED ASCB(E) Accrediting Certifying Bodies **ISO / IEC 20000 CERTIFIED**	IEDRA **BHARTIYA UDYOG RATAN - AWARDED**	**BITS PILANI PRACTICE SCHOOL**	ISO 9001 CERTIFIED AIAO-BAR QMS ACCREDITED **ISO 9001 : 2008 CERTIFIED**

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JA 6044. Cloud Data Alter : IMPLEMENTATION OF SECURED FILE ACCESS WITH PRIVACY PRESERVING AUDITING IN CLOUD COMPUTING
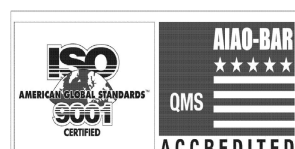
ARCHITECTURE DIAGRAM:
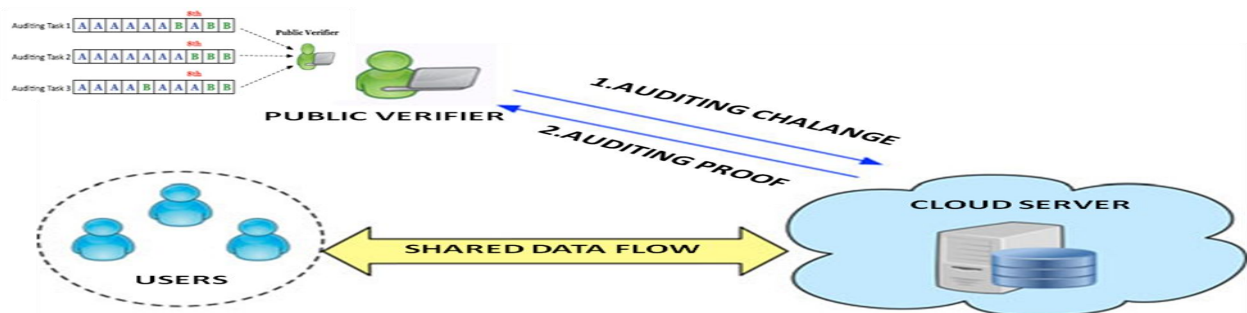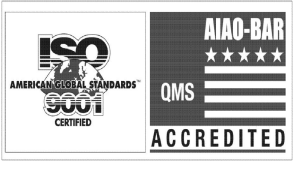
DESCRIPTION: In the **EXISTING SYSTEM**, the correctness of the data in the cloud is being put at risk due to the following reasons. First of all, although the infrastructures under the cloud are much more powerful and reliable than personal computing devices, they are still facing the broad range of both internal and external threats for data integrity. In the **PROPOSED SYSTEM**, a secure cloud storage system supporting privacy-preserving public auditing. In which the data which is modified will be provided with a private key and stored in the separate block and it is verified by the public verifier. Whenever the user wants to verify the data using the public key the user can read the data. The TPA will audit the data files that are requested by the Data Owner. The TPA will also audit the multiple files also. In the **MODIFICATION** part of the project, Data Owner will declare list of users who are authorized to write the files & who can only view the Data. Key is Generated for the Corresponding Data Access. Authorized users can change the data which is updated in a separate Copy in replica Server, then it is updated once Owner Authenticates

ALGORITHM / METHODOLOGY: Key Generation

DOMAIN: Cloud Computing

IEEE REFERENCE: IEEE TRANSACTIONS on Cloud Computing,

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6045. *Store Me Quickly* : DESIGN & DEPLOYMENT OF AUTOMATIC DATA BACKUP RECOVERY WITH SELECTED ACCESS CONTROL USING ABE

ARCHITECTURE DIAGRAM:
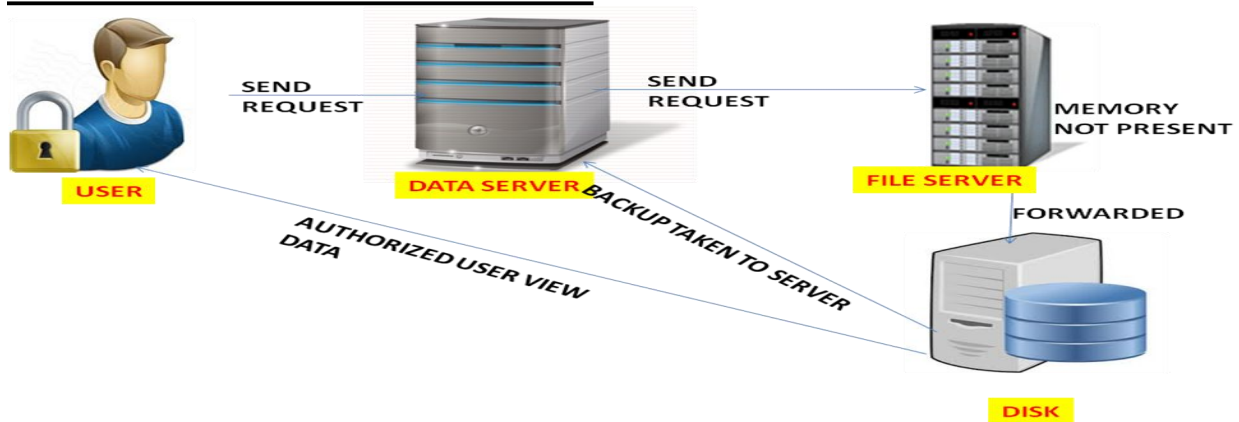
DESCRIPTION : In the **EXISTING SYSTEM**, Data Backup & Restore Operations can be Resource - Intensive and lead to Performance Degradation, or may require the System to be offline Entirely. This will lead to Server Failure & Heavy Data Loss. In the **PROPOSED SYSTEM**, once User is Requested to the Data Server, it is Carried by Apache Server sends the request to File Server Memory, it is not Present then forwarded to Server Disk. Generator compares the File Name with Corresponding File Size & time of Last Modifications are compared then it is Updated in the Server as well as Backup is taken. In the **MODIFICATION**, We implement Attribute Based Encryption (ABE) for File Access. Only Authorised Users can Edit the Data, and can Upload the Data. Rest of the Permitted Users can only View the Files. Updated Files has to get Approval for the change from the Owner or Admin, only then the Files are Updated.

ALGORITHM / METHODOLOGY: ABE, Auto Backup

DOMAIN: Data Security, Networking

IEEE REFERENCE: IEEE TRANSACTIONS on Dependable and Secure computing, 2014.

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6046. *Insure Me* : EFFECTIVE IMPLEMENTATION OF DATA SEGREGATION & EXTRACTION USING BIG DATA IN E - HEALTH INSURANCE AS A SERVICE

ARCHITECTURE DIAGRAM:

PATIENT

Disease analysis
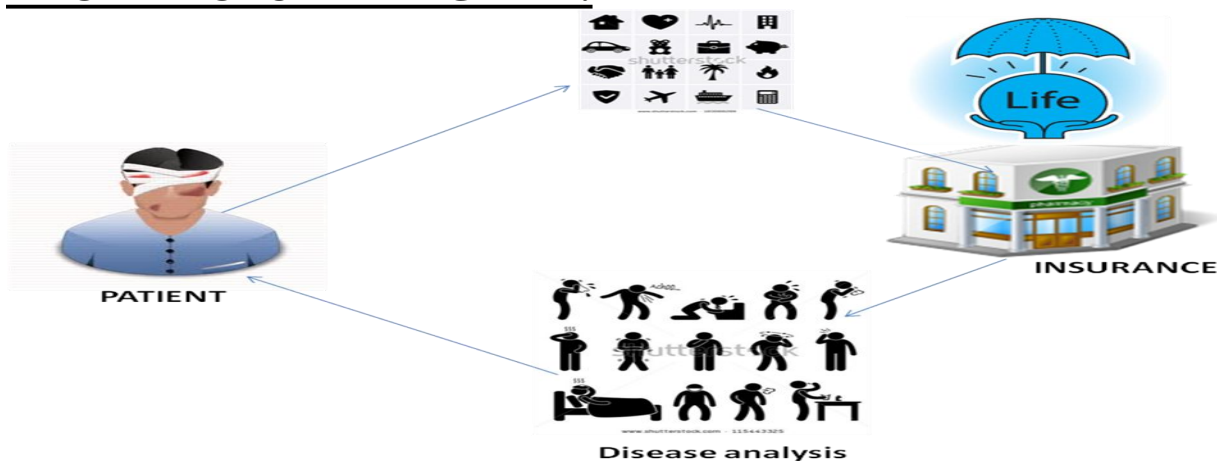
INSURANCE

DESCRIPTION : In the **EXISTING SYSTEM**, Big data is not implemented in as full way in real-time, it is still in a Research. People does not know what to do with Enormous Data. In the **PROPOSED SYSTEM**, Insurance Agencies are actively Participating for the Analysis of Patient's Data and used to Extraction some Useful Information. Analysis of Discharge Summary, Drug & Pharma, Diagnostics Details, Doctors Report, Medical History, Allergies & Insurance policies are made and Useful Data is Extracted. In the **MODIFICATION**, We are Analyzing more number of Factors like Disease Types with its Corresponding Reasons, Insurance policy Details with Sanctioned Amount, Family Grade wise Segregation.

ALGORITHM / METHODOLOGY: Big Data

DOMAIN: Big Data, Data Mining, Society / Social Cause

IEEE REFERENCE: IEEE Paper on ICNC, 2014.

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6047. techno police : ANDROID BASED HUMAN MONITORING AND IMAGE TRACKING WITH SMS ALERT

ARCHITECTURE DIAGRAM:

INTRUDER DETECTION & SMS ALERT - GSM

IF INTRUDER IS DETECTED AUTOMATICALLY SMS IS SEND & WAITS FOR RELAY

AUTOMATIC TRIGGER OF BUZZER. IMAGES CAN BE VIEWED BY ANDROID

ANDROID MOBILE USER
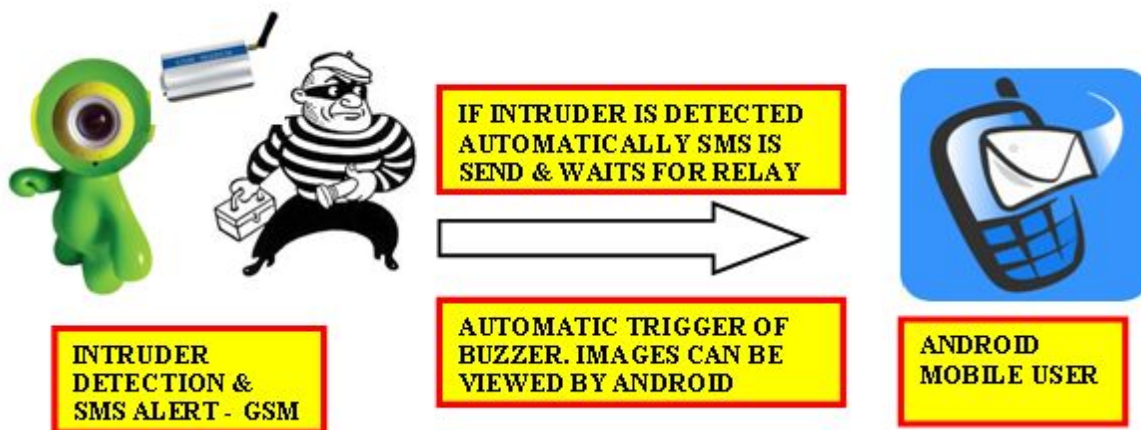
DESCRIPTION : In the **EXISTING SYSTEM** M2M Design used PC as terminal User instead of microcontroller. AT commands, a decode module which decodes the text message. In **PROPOSED SYSTEM,** Home Security is implemented. If any interrupt occurs, immediately it is detected and controller communicates to the Android Phone via SMS. The system will wait for the reply from the mobile user for some period of time to trigger the buzzer, if there was no reply then system will automatically trigger buzzer. In the **MODIFICATION** phase of the project, Webcam is connected to Track the Person and the image is stored in the server, so that Android user can see the images from their mobile.

ALGORITHM / METHODOLOGY: Image Capturing, SMS Service

DOMAIN: Android, Embedded, Mobile Computing, Society Based

IEEE REFERENCE: IEEE Paper on ICICT, 2014

BMQR
ISO/IEC 20000-1 CERTIFIED
ASCB(E) Accrediting Certifying Bodies
ISO / IEC 20000 CERTIFIED

BHARTIYA UDYOG RATAN - AWARDED

BITS PILANI PRACTICE SCHOOL

ISO 9001 : 2008 CERTIFIED

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6048. *Choose Me* : IDENTIFICATION & DETECTION OF BEST DOCUMENTS CONSIDERING UNLABELLED LISTINGS

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM**. The unlabeled data will be stored in the spam when the user search for any results. In the **PROPOSED MODEL**, we are developing an automated system for both labeled and Un-labeled Documents based on the Active learning. We apply stemming algorithm to remove the stop words, so that Keywords Are Extracted. Based on the Scoring Algorithm, the documents are principally categorized by processing the subsets of data in the datasets. As Per the Users request, the corresponding document is transferred to the User. In the **MODIFICATION** Phase we also rank the best relevant documents based on Top K query for effective and efficient data retrieval system.

ALGORITHM / METHODOLOGY: Stemming and Scoring Algorithm.

DOMAIN: Data Mining

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

JA 6049. Node Test : DETECTION OF NODE TRUSTWORTHY, HISTORY ANALYSIS, FLEXIBLE KEY GENERATION, REWARD & PUNISHMENT SYSTEM IN DTN

ARCHITECTURE DIAGRAM
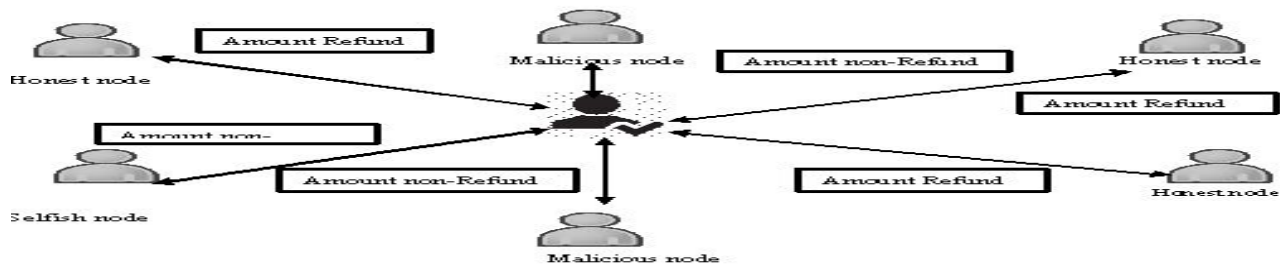
DESCRIPTION : In the **EXISTING SYSTEM**, a node could misbehave by dropping packets intentionally even when it has the capability to forward the data. Routing misbehavior can be caused by Malicious nodes that drop packets or modifying the packets to launch attacks. In the **PROPOSED SYSTEM,** we propose iTrust introduces a periodically available TA, which could launch the probabilistic detection for the target node and judge it by collecting the forwarding history evidence from its upstream and downstream nodes. Then, TA could punish or compensate the node based on its behaviors. We assume that each node must pay a deposit amount before it joins the network, and the deposit will be paid back after the node leaves if there is no misbehavior activity of the node. TA could ensure the security of DTN routing at a reduced cost. **MODIFICATION** of the Project is if any Node leaves or Joins the Network, then the Key will be alerted and send as E mail Alert to the Corresponding Nodes of the Network. Previous Nodes cannot access the data from the newly joined Network.

ALGORITHM / METHODOLOGY: Basic Misbehavior Detection Algorithm

DOMAIN: Networking

IEEE REFERENCE: IEEE Transactions on Parallel & Distributed System

JA 6050. Find The Best Book : IDENTIFICATION OF BEST BOOKS IN A LIBRARY WITH RFID BASED USER ACCESS & AVOIDANCE OF BOOKS MISPLACEMENT

ARCHITECTURE DIAGRAM:
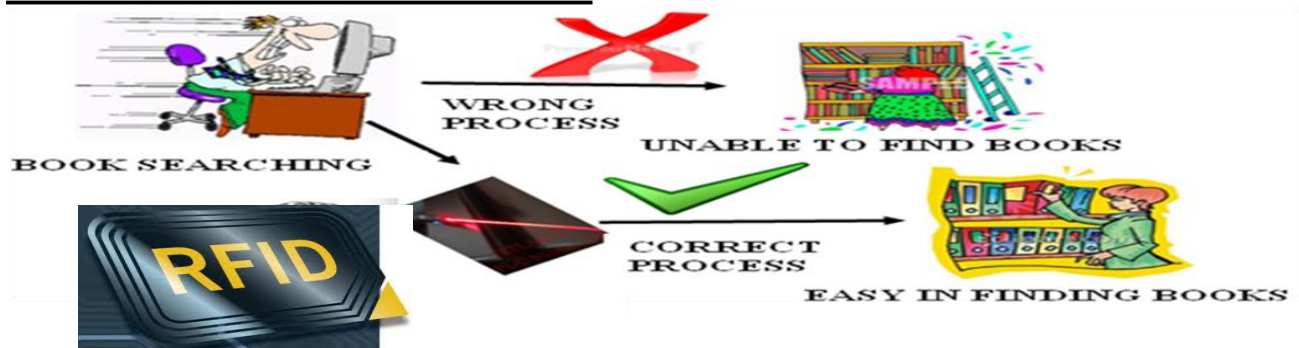
DESCRIPTION: In the **EXISTING SYSTEM**, Library Management System is only Manual Process. Some libraries have RFID based Authentication for User Access of Books. In the **PROPOSED SYSTEM,** colour based Book Segmentation is achieved by constructing a Robot. Books are placed on the Arm of the Robot and Web Camera captures the Book and stores the Colour of the Book. The **MODIFICATION** part of this Project is our Implementation. Mere capturing the Book Front & Back Wrapper alone does not going to Serve the People. Our Major implementation is Identification of Best Books based on Keyword based Filtering Technique. We use Stemming Algorithm to Extract Key Terms & Frequency pattern Algorithm is used to Detect Maximum numbers of Input Term appearance in a Book. we also use RFID for User Access control & also to detect Book Misplacement also.

ALGORITHM / METHODOLOGY: Stemming, Frequency Pattern

DOMAIN: Mobile Computing, Embedded, Data Mining, Society Based

IEEE REFERENCE: IEEE Paper on ICARSC, 2014

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6051. Park Me Safe : ANDROID FRAMEWORK FOR AUTOMATIC PARKING RESERVATION SYSTEM WITH BEST POSSIBLE ROUTES USING LiFi / WiFi

ARCHITECTURE DIAGRAM:
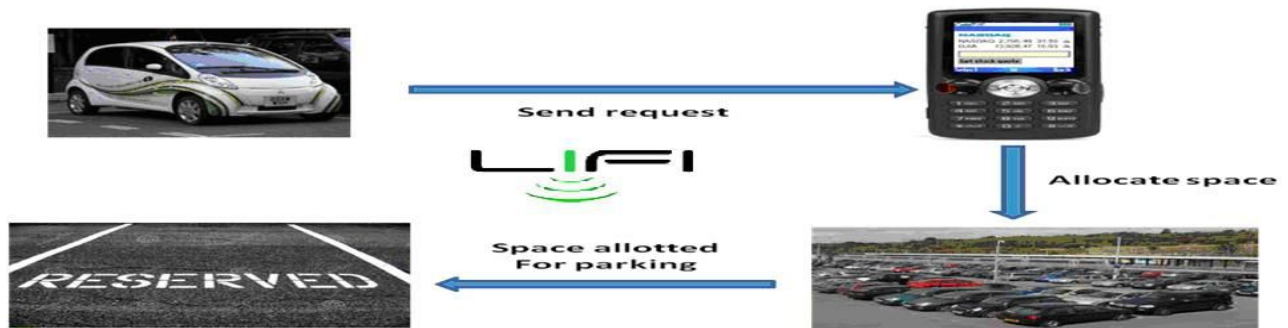
DESCRIPTION : In the **EXISTING SYSTEM**, Parking is the major Problem nowadays. Many of us gets disturbed easily of not parking the Vehicles. In the **PROPOSED SYSTEM**, user can park the Vehicle through Android Application in advance itself. Android user can choose the Route based on the Parking Space availability. On the Embedded Hardware end, an Intelligent Parking is implemented based on Slot Allotment. In our **MODIFICATION**, Android User can book Advance & Current Parking Space and also can pay the Money through Application itself. Server is authorized to cancel the Slot in case of arrival of Vehicle beyond the Threshold Time Frame.

ALGORITHM / METHODOLOGY: Parking Slot Allotment

DOMAIN: Android, Security, LiFi / WiFi, Embedded

IEEE REFERENCE: IEEE Paper on ICMTMA, 2014

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6052. Why To Wait : IMPLEMENTATION OF BUS TRACKING, SERVER REPORTING WITH ANDROID BASED BUIS QUERYING SYSTEM TO MINIMISE WAITING TIME

ARCHITECTURE DIAGRAM:

MOBILE CLIENT → CENTRALIZED SERVER → BUS

TIME DUATION TO REACH THE BUS STOP

DISTANCE BETWEEN THE BUS LOCATION AND THE USER REQUESTED BUS LOCATION
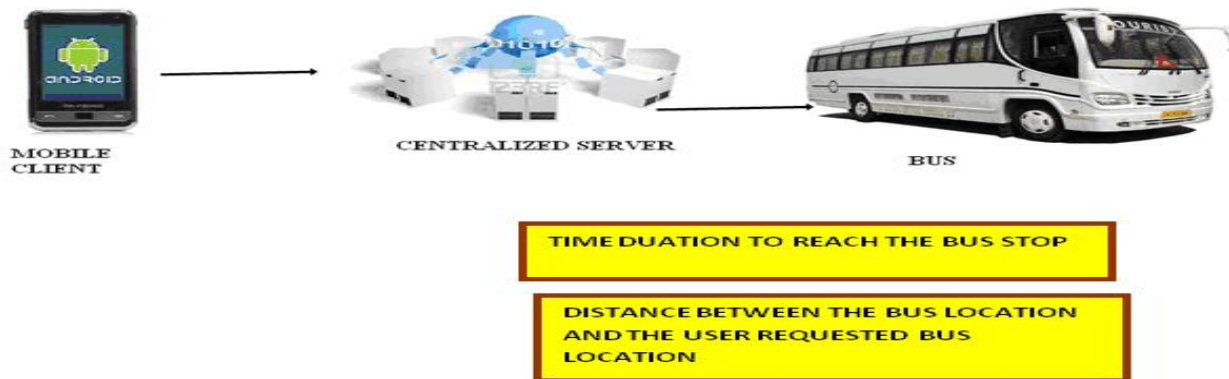
DESCRIPTION: In the **EXISTING SYSTEM**, there is no tracking of Buses happening. GPS based Vehicle is only the solution but still arrival Timing of the Buses are not intimated to the bus stop. In the **PROPOSED MODEL**, Zigbbe is attachéd with the bus and another Zigbee is attached with the Bus Stop. The Bus Number and the Route is intimated to the Bus stop by the bus during it's arrival and the Stop name is intimated to the bus from the Bus stop. In the **MODIFICATION**, as Zigbee is costly to implement, we modify the same process in a prototype manner with Graphical Path Virtualisation. Once the Bus starts from the Bus Depot it intimates to the nearest Bus Stop as it is approaching, Android Mobile user can send the request of his / her Source and Destination of the Route so that the Server will identify the Nearest bus and the Time taken for the us bus to reach the requested stop. So that the Mobile user can plan his / her Travel according to the timing of the arrival of Bus.

ALGORITHM / METHODOLOGY: Bluetooth, Nearest Bus Calibration

DOMAIN: Mobile Computing, Android, Embedded, Society Based

IEEE REFERENCE: IEEE Paper on ICMTMA, 2014

JA 6053. Big Cloud Storage : PRIVACY-PRESERVING MULTI-KEYWORD RANKED SEARCH OVER ENCRYPTED CLOUD DATA USING BIG DATA

ARCHITECTURE DIAGRAM
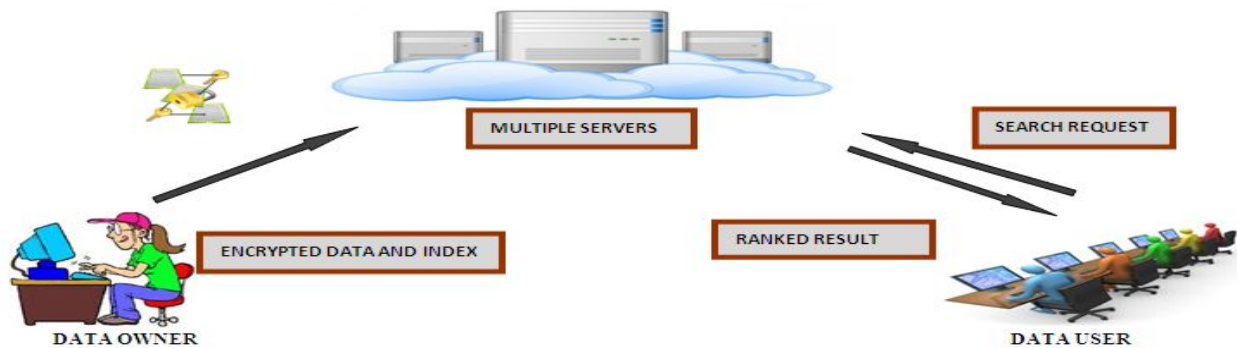
DESCRIPTION : In the **EXISTING SYSTEM**, with the advent of Cloud Computing, Data Owners are motivated to outsource their Data to public cloud for great flexibility and economic savings. But only single keyword or Boolean keyword search is existing. So it gives undifferentiated results. In the **PROPOSED SYSTEM**, we define and solve the problem of multi-keyword ranked search over encrypted cloud data while preserving strict system wise privacy and eliminating unnecessary network traffic by sending back only the most relevant data by using coordinate matching. Data Owner uploads their Data along with the Index file to improve retrieval accuracy; the search result is ranked by the cloud server. In the **MODIFICATION PROCESS**, data is splitted into several Chunks & Stored in different servers for effective Data Retrieval. .

ALGORITHM / METHODOLOGY: K-Nearest Neighbor (KNN), Big Data

DOMAIN: Cloud Computing, Big Data

IEEE REFERENCE: IEEE TRANSACTIONS on Parallel and Distributed System, 2014

JA 6054. Finger Print Poll : RFID AND FINGER PRINT BASED USER RECOGNITION SYSTEM FOR SECURED VOTING IN AVOIDANCE OF RECASTING & PROXY CASTING

ARCHITECTURE DIAGRAM:
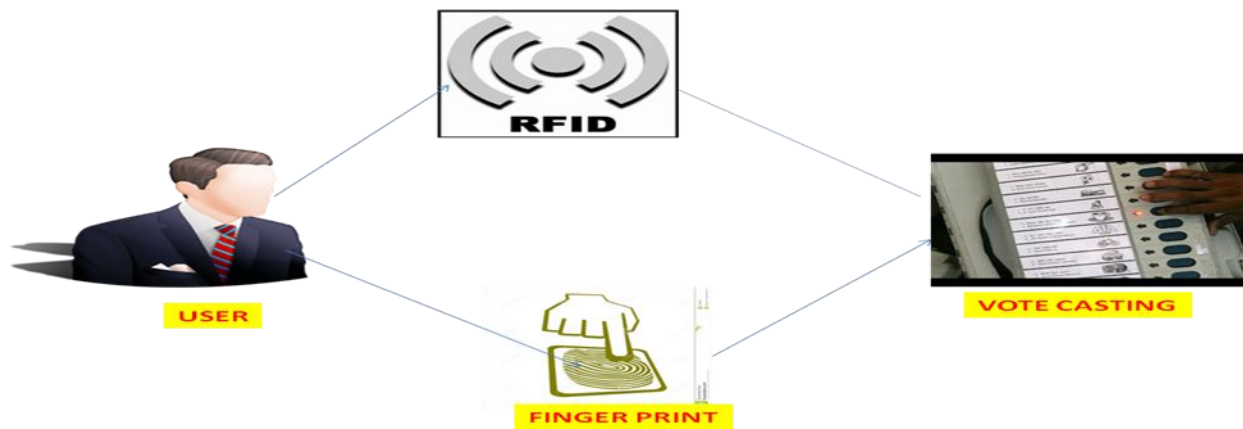
DESCTIPTION: In the **EXISTING SYSTEM**, Voters are Verified using Voter's ID only. Recasting & Proxy Voting is unfortunately irreversible in Real-time. In the **PROPOSED SYSTEM**, RFID is used instead of manual Voter's ID and Results are Announced as per schedules. In Our **MODIFICATION**, both RFID & Finger Print is used for User Authentication. Casting of vote is Achieved using Touch Panel. Results are announced on the day of Election itself

ALGORITHM / METHODOLOGY: **Image Processing, RFID, Touch System**

DOMAIN: **Mobile Computing, Embedded, Image Processing, Society Based**

IEEE REFERENCE: IEEE Paper on Indiacom, 2014

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6055. Remind Me : ANDROID IMPLEMENTATION OF LOCATION REMAINDERS WITH DETECTION OF IMPLACABLE ITEMS VIA BLUETOOTH

ARCHITECTURE DIAGRAM:
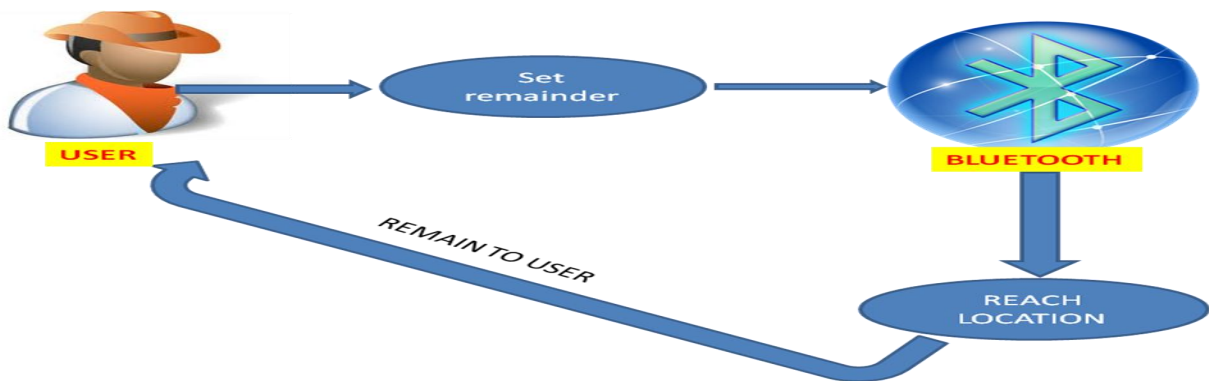
DESCRIPTION: The main aim of the Project is to remind Users when they reach the Destiny. We all travel in very busy schedules where we are not fulfilling all our Activities and works. This Android based Reminder has been initiated. We deploy Bluetooth Devices for the Areas and Android user's Bluetooth Device will Start Reminding our Tasks when we reach the Destiny. Along with this implementation, we also include Bluetooth based Searching of most forgettable items. Those Valuable things are attached with Bluetooth device and an Alarm. Android User will find out easily those misplaceble Items very easily.

ALGORITHM / METHODOLOGY: Bluetooth Recognition

DOMAIN: Mobile Computing, Android, Society / Social Cause

IEEE REFERENCE: IEEE Paper on PERCOM, 2014

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6056. SPLIT & ALLOT WORK : BIG DATA IMPLEMENTATION OF WEB BASED CONCURRENT DATA UPDATION & REMOVAL OF DUPLICATES

ARCHITECTURE DIAGRAM:
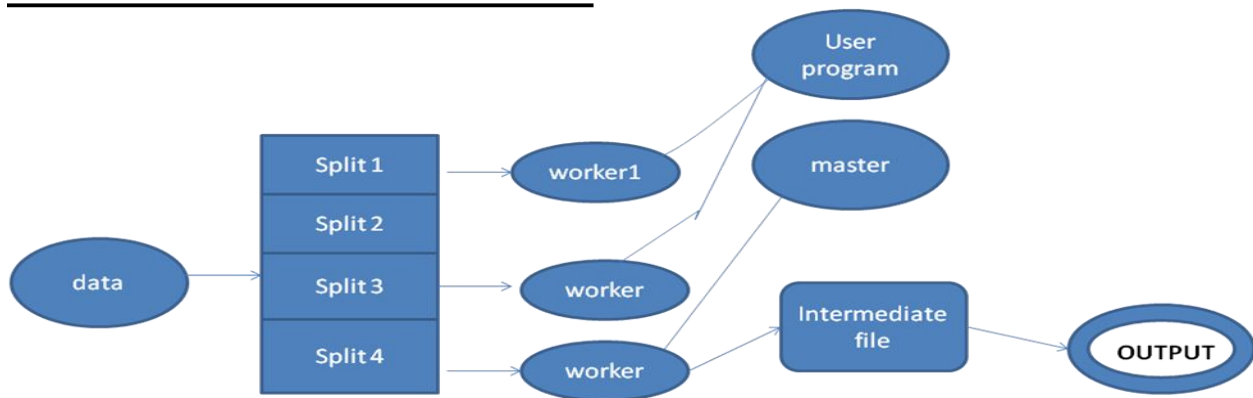
DESCRIPTION: In the **EXISTING SYSTEM** there is no catching technique in the map reduce concept in big data. In the **PROPOSED SYSTEM** the input file will be splitted and it will be given to the different workers by the master and the user program. They will evaluate the intermediate files and data items. Again the processed data will be combined and the output will be given also the first solution for processing continuous text queries efficiently. Our objective is to support a large number of user queries while sustaining high document arrival rates. Our solution indexes the streamed documents in main memory with a structure based on the principles of the inverted file, and processes document arrival and expiration events with an incremental threshold-based method. The **MODIFICATION** of the project is only limited number of projects will be allocated to worker by the master. UDD Algorithm is also included for the Elimination of Duplicate Results. Users will be Rating the URLs.

ALGORITHM / METHODOLOGY: Work Allocation, UDD

DOMAIN: BIG DATA, Networking

IEEE REFERENCE: IEEE Paper on INFOCOM, 2014

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6057. Purchase Me : DESIGN OF REVIEW BASED PRODUCT RANKING IN A MARKET PLACE WITH TRANSACTION ID VERIFICATION

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the **EXISTING SYSTEM** the product ranking will be based only on the user perception. In the **PROPOSED SYSTEM** the product ranking will be based on the frequently commented in consumer reviews and the consumer's opinions on these aspects which greatly influence their overall opinions on the product. According to the product aspect identification and sentiment classification the product will be ranked. The **MODIFICATION** of the project is will generate the Transaction ID for Every Product Purchase. User will be the Feedback about the Product by Keying the Transaction ID. Once the Transaction ID is matched an OTP is Generated to the User's Mobile Number. Only after Authentication Feedback is Accepted and Published in the Website. User is not allowed to give Feedback for Non Purchased Products & Area.

ALGORITHM / METHODOLOGY: Probabilistic Aspect Ranking

DOMAIN: Data Mining, Society / Social Cause

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014.

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77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6058. *Watch Me* : ANDROID & WiFi BASED REMOTE M - PATIENT TRACKING WITH HEALTH MONITORING, MEDICINE ALERTING & INDOOR NAVIGATION SYSTEM

ARCHITECTURE DIAGRAM:

DESCRIPTION : In the **EXISTING SYSTEM**, there should be some Care Taker along with the Patient who personally monitor the Age Old Patients. In the **PROPOSED SYSTEM,** Smart home is regarded as an independent healthy living for elderly person. Advances in phone technology and new style of computing paradigm (i.e., cloud computing) permits real time acquisition, processing, and tracking of activities in smart home. This application communicates with cloud through web server and assists the elderly person to complete their daily life activities. This is used to Track the Patient's Activity along with the Remainders of Medicines, Food and other Activities. **MODIFICATION** that we propose is to monitor the Heart Beat of the Patient to find the normal functionality of the Patient along with IR based Tracking Solution at every room. Android based updates & Patient Location Monitoring are also Added in this Project.

ALGORITHM / METHODOLOGY: IR Tracking, SMS Service, WiFi

DOMAIN: Android, Embedded, Mobile Computing

IEEE REFERENCE: IEEE Paper on ITNG, 2014.

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6059. Big Data - Secured Lbs : MOBILE BASED PRIVACY PROTECTED LOCATION BASED SERVICES WITH THREE LAYER SECURITY

ARCHITECTURE DIAGRAM:
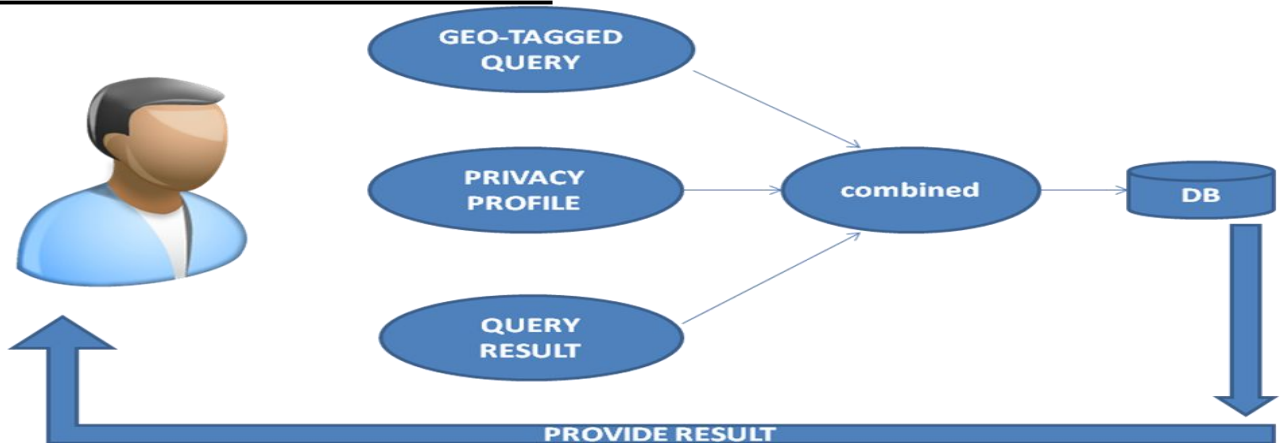
DESCRIPTION: In the **EXISTING SYSTEM**, the Queries are made by User Manually, which more time consuming and route is confusing. In the **PROPOSED MODEL**, Android and Cloud Computing are integrated. Android User makes a Query to the Cloud Server the data can be retrieved on the basis of geo tagged query and checking the privacy profile and The **MODIFICATIONS** is made to have the privacy of the Users Location in which Query is requested. We use Three Layer of Security likely, High, Medium and Low for the Privacy implementation. the wireless network is focused with the relational data and the spatial databases. Based upon the spatiotemporal big data analysis the data will be processed and retrieved.

ALGORITHM / METHODOLOGY: Privacy Supportive LBS, Big Data

DOMAIN: Big Data, Data Mining, Android, Mobile Computing

IEEE REFERENCE: IEEE TRANSACTIONS on Knowledge and Data Engineering, 2014

JA 6060. Find Me : ANDROID IMPEMENTATION OF KEYWORK & LOCATION BASED ORGANISATION DIFFERENCE WITH ORDERING AND PAYMENT SYSTEM

ARCHITECTURE DIAGRAM:

DESCRIPTION: In the Existing System, only normal Location based Search or Keyword based Search is achieved so far. In the **PROPOSED SYSTEM,** User will be giving Keywords or Menu list along with the Nearest Location or the Landmark, so that the System will Retrieve the Hotels names or the Organization accordingly. Distance is also calculated. The **MODIFICATION** part of this project is to implement in Android platform, so that this application can be utilized for Mobile Users also. User can Search Either Menu or Keywords based on their current Location (Automatically taken) or can give some other Location also, so that the Server will Retrieve the Results accordingly. User can also Order the food through this Application.

ALGORITHM / METHODOLOGY: **Nearest Neighborhood Algorithm**

DOMAIN: **Data Mining, Android, Mobile Computing**

IEEE REFERENCE: **IEEE TRANSACTIONS** on Knowledge and Data Engineering, 2014

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6061. DECENTRALIZED ACCESS CONTROL WITH ANONYMOUS AUTHENTICATION OF DATA STORED IN CLOUDS

ARCHITECTURE DIAGRAM:
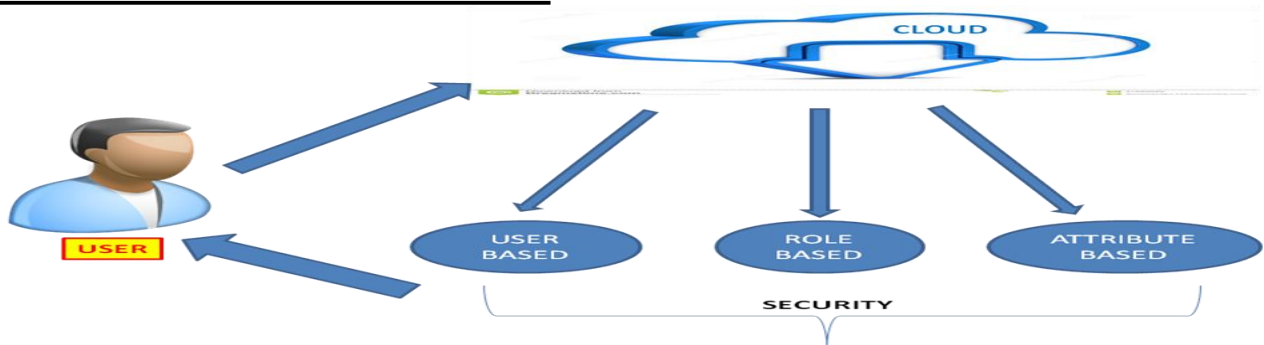
DESCRIPTION: The **EXISTING SYSTEM** only store the data in the cloud any user can access the data. In the **PROPOSED SYSTEM** the data is Stored in the Remote Cloud. Data Owner can share the Data and it's Key to the Permitted Users. Data Sharing is achieved for three types of Users. 1. User Based, 2. Role Based (Position / Role), 3. Attribute (Experience). **MODIFICATION** of the Project is to share the Data across the users using Multiparty Two Third Authentication Scheme. Using this Scheme New user can send the Request to the Data Owner as well as Permitted Users. Either Owner or Two Third of Permitted User Authenticates (SMS Alert to the Owner) the request, Data is forwarded to the requested new user in case of Non Sensitiveness & also shared to rest of the users based on the Sensitiveness specified by the Data Owner.

ALGORITHM/METHODOLOGY: Ordered Preserving Encryption

DOMAIN: Cloud Computing, Security

IEEE REFERENCE: IEEE TRANSACTIONS on Parallel and Distributed system, 2014

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6062. E – Doctor : REMOTE PATIENT HEALTH MONITORING SYSTEM WITH ANALYSIS BIOMEDICAL PARAMETERS USING NFC

ARCHITECTURE DIAGRAM:
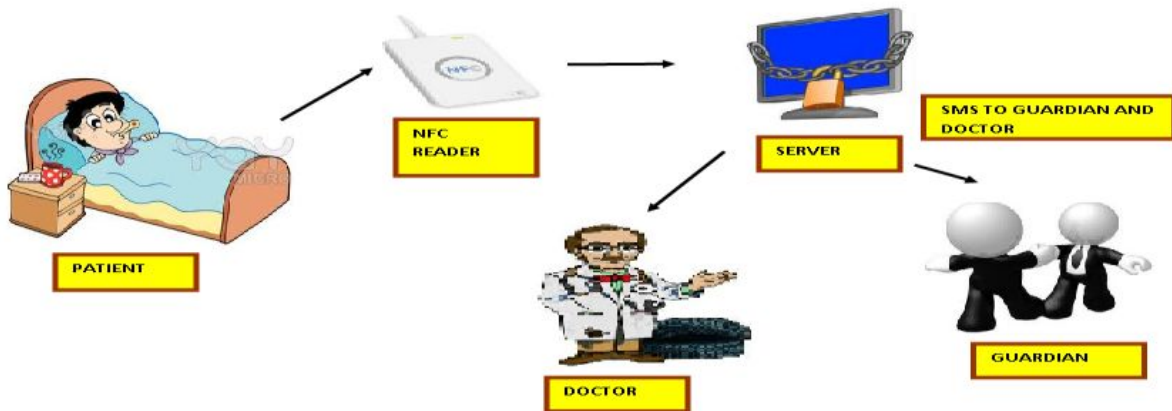
DESCRIPTION: In the **EXISTING SYSTEM**, Age old People or sick people has to be monitored by Doctors manual or requires Guardian's help to monitor their health. In the **PROPOSED MODEL**, Providing elderly people with a mobile-phone based patient terminal with NFC for Authentication and communication links to sensor devices. If any abnormality is identified immediately supports are provided to save the life of the Patient. **MODIFICATION** that we propose is that the Generation of Automatic Alert SMS to the Patient's Guardian in case of emergency.

ALGORITHM / METHODOLOGY: SMS Service, NFC

DOMAIN: Mobile Computing, Embedded, Android, Society Based

IEEE REFERENCE: IEEE Paper on ISMICT, 2014

JA 6063. Prepaid Eb : INTEGRATION OF RFID BASED PREPAID EB SERVICES WITH ANDROID BASED APPLIANCES CONTROL

ARCHITECTURE DIAGRAM:
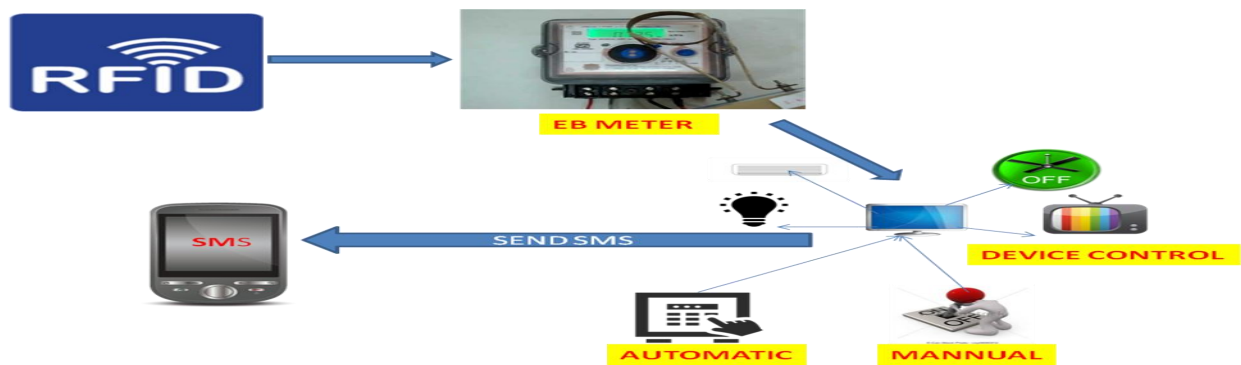
DESCRIPTION: In the **EXISTING SYSTEM**, Smart Grid Technologies in only in Research Process, it is very costly to Experiment. In the **PROPOSED SYSTEM**, Android based Application is deployed to Control Electrical Appliances through Manual (Internet) & Automatic Process. In Automatic Process IR based Human Monitoring is used. RFID is used for Prepaid EB Card. EB Mater is used to measure the Electricity consumed. Our **MODIFICATION** is to create an Android Application for Recharge System of RFID Tag.

ALGORITHM / METHODOLOGY: **IR Based Tracking, RFID**

DOMAIN: Android, Embedded, Mobile Computing, Society Based

IEEE REFERENCE: IEEE Paper on SCEECS, 2014

77/2,HABIBULLAH ROAD, T. NAGAR, CH – 17. PH : 2834 2821 / 2822 / 2823

JA 6064. Protect Me : DESIGN OF PROACTIVE ACCIDENT AVOIDANCE SYSTEM USING EYE BALL, ULTRASONIC, BRAKE SENSOR

ARCHITECTURE DIAGRAM
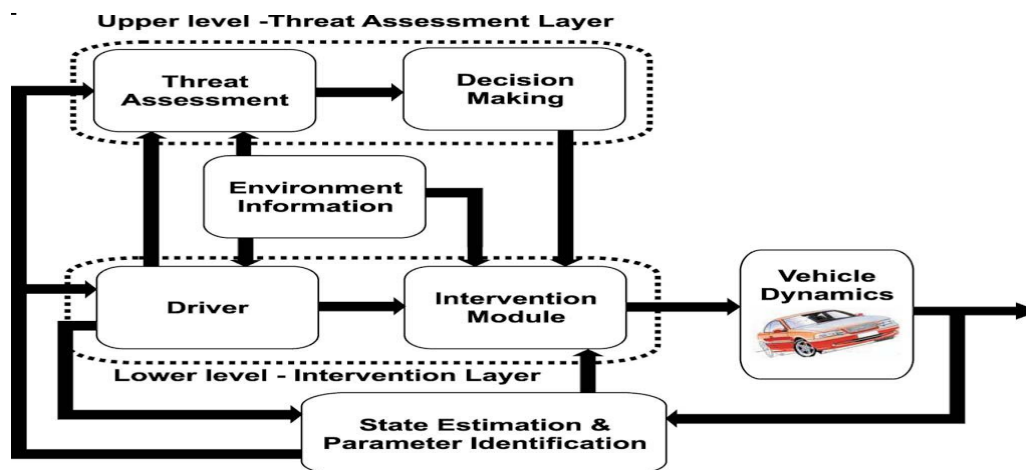
DESCRIPTION: In the **EXISTING SYSTEM,** there is no proper Predictive method to avoid the Traffic Accidents. .In the **PROPOSED SYSTEM**, If the owner is in the panic state and driving the without control in the steering, immediately an automatic control is provided to avoid the accident. Same way over speed would be automatically controlled. Ultrasonic Sensor is attached with the Vehicle to avoid the accidents. This Project is aimed to predictive to possible accidents, before it occurs. This Process is used to prevent those accidents. In **MODIFICATION** process, Eye Ball Sensor is attached to the vehicle, if driver sleeps, this sensor will detect the automatically apply brake in order to avoid Accident

ALGORITHM / METHODOLOGY: Novel Decision-Making, Model-Based Threat Assessment

DOMAIN: Mobile Computing, Embedded, Society Based

IEEE REFERENCE: IEEE Paper on GHTC-SAS, 2014

JA 6065. Find Blood : ANDROID BASED IDENTIFICATION OF NEAREST HOSPITAL, BLOOD BANK & DONORS

ARCHITECTURE DIAGRAM:
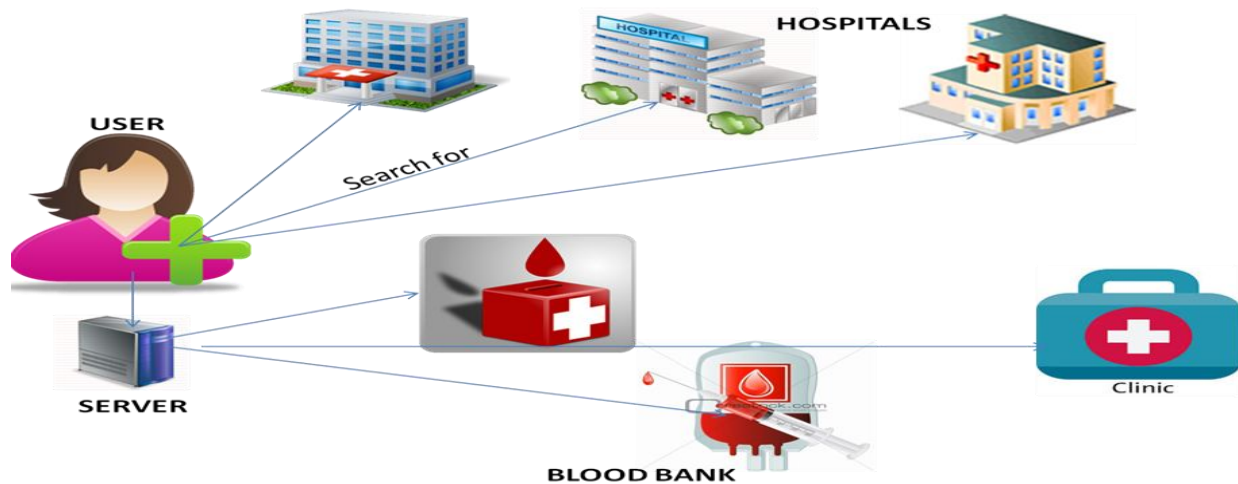
DESCRIPTION: In the **EXISTING SYSTEM**, the hospital search will be based on the generic purpose only there is no specific search for the specialized hospital. In the **PROPOSED SYSTEM** the user can search the nearest hospital as per their specific domain and their need. The admin will manage all the details of the hospital management. This system is also used to track the blood banks and clinics nearer to the patient place. In the **MODIFICATION** part of the Project, apart from Extraction Blood Bank Data, we will be Extracting Individual Blood Donors also. We will Filter the Donors with respect to Blood Group and Time Period of the last Donated Blood.

ALGORITHM / METHODOLOGY: KNN QUERY

DOMAIN: Android, Mobile Computing, Society / Social Cause

IEEE REFERENCE: IEEE Paper on RAECS, 2014.

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JA 6066. Android Device : IMPLEMENTAION OF VOICE BASED DEVICE CONTROL WITH AUTOMATIC IF BASED AND PEAK HOUR BASED SCHEDULED CONTROL USING ANDROID

ARCHITECTURE DIAGRAM:
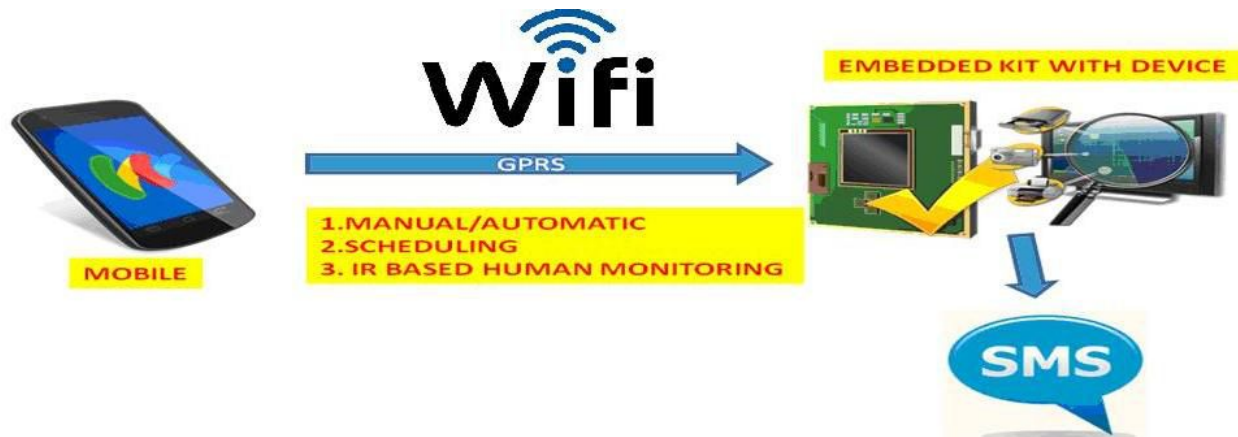
DESCRIPTION: In **EXISTING SYSTEM,** GSM based device control is implemented through GSM communication. In the **PROPOSED SYSTEM**, Android based device control is implemented through GPRS communication. Android App is created in the user's phone to control devices. In **MODIFICATION** part we implement same device control using three steps. 1. Manual and Automatic control 2. Peak Hour Scheduling based control 3.IR Control Person based control. EB meter is also included to monitor meter reading. We also included Wifi Based Device Control when User within the Range of Action.

DOMAIN: Android, Embedded, WiFi

IEEE REFERENCE: IEEE Paper on ICACT, 2014

BMQR ISO/IEC 20000-1 CERTIFIED ASCB(E) Accrediting Certifying Bodies ISO / IEC 20000 CERTIFIED	IEDRA BHARTIYA UDYOG RATAN - AWARDED	BITS PILANI PRACTICE SCHOOL	ISO 9001 CERTIFIED AIAO-BAR QMS ACCREDITED ISO 9001 : 2008 CERTIFIED

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JA 6067. LINK QUALITY AWARE CODE DISSEMINATION IN WIRELESS SENSOR NETWORKS

ARCHITECTURE DIAGRAM:
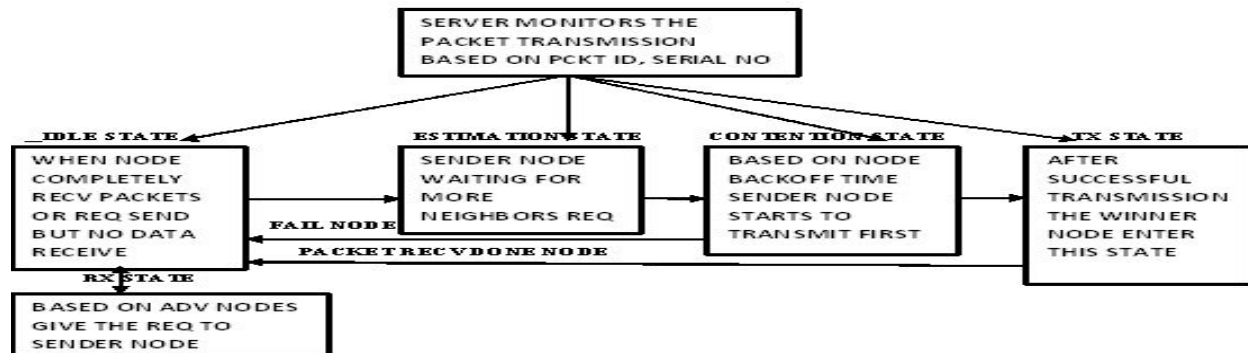
DESCRIPTION : In the **EXISTING SYSTEM,** needs multiple rounds of message exchanges, resulting in transmission redundancy based on code dissemination protocol (MNP) and long completion time based on link quality of nodes. In the **PROPOSED SYSTEM,** we are using Efficient Code Dissemination protocol (ECD) for increase the packet size to improve the transmission efficiency. Although based on received number of distinct request sender is selected because sender with more requests is suitable for transmission. The packet transmission is based on nodes backoff time. ECD protocol has five states like IDLE, ESTIMATION, CONTENTION, RX and TX states. Suppose the node completely gets all packets, the winner node goes to TX State. The failed node goes to IDLE state. The IDLE state has two conditions, when node completely receives the packets and when a specified number of REQ message are sent and no DATA packets are received. In the **MODIFICATION,** server monitors the second sender node packet transmission based on checking the packet ID, packets serial number for security purpose. So it avoids the misbehaving activity of node.

ALGORITHM / METHODOLOGY: ECD, Packet ID Monitoring

DOMAIN: Networking

IEEE REFERENCE: IEEE Transactions on Parallel & Distributed Systems, 2014.

JA 6068. Secure Voting : IMPLEMENTATION OF SECURE WEB VOTING WITH DIGITAL SIGNATURE & MULTIPLE ENCRYPTIONS USING RFID WITH SMS RESULTS

ARCHITECTURE DIAGRAM:
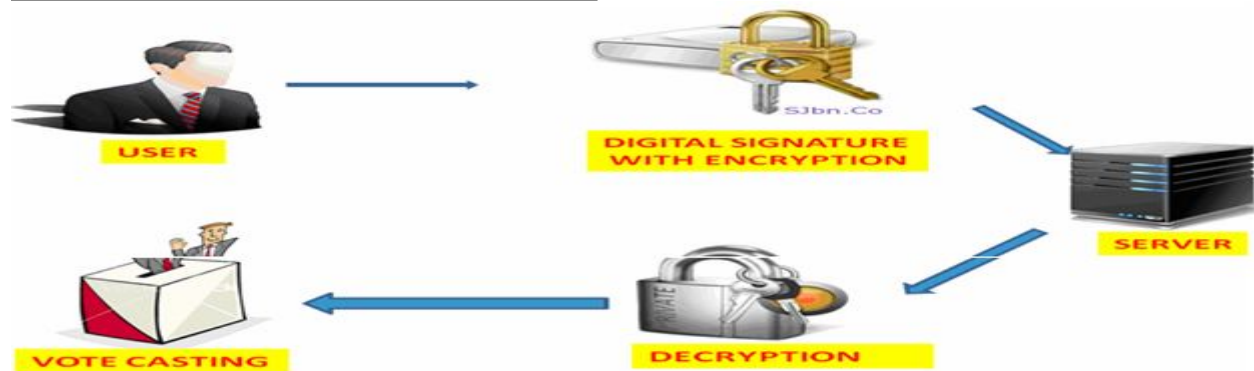
DESCRIPTION: In the **EXISTING SYSTEM**, We Cast our Vote through Normal Voters ID. Results are declared in a Months Time. In the **PROPOSED SYSTEM**, User Registers with the Voting Server. Server provides with User Name, Password, Key 1 & Digital Signature to the User. User Logins to the Voting Server by Providing his / her User Name, Password for initial Authentication, Then User can Vote the Candidature by Providing his / her Digital Signature which both are encrypted by Key 1 and Provided to the Server. Server Decrypts using Key 2 and starts storing for Announcing the Results. In our **MODIFICATION**, RFID & Voter's ID are used instead of User Name alone. User will Cast the Vote by providing Digital Signature by Encrypting using Key 1. Server will Decrypt using Key 2. Results are announced on the same Day of Casting the Vote by updating in the server as well as Sending SMS Alerts to the Contestants.

ALGORITHM / METHODOLOGY: AES, Digital Signature, SMS Service

DOMAIN: Security, Mobile Computing, Embedded, Society Based

IEEE REFERENCE: IEEE Paper on ICESC, 2014

IEEE 2013 PROJECT LIST

JA 6069. DETECTION OF VAMPIRE ATTACKS AND ACTUAL ENERGY LEVEL MONITORING

DOMAIN: Network Security

JA 6070. CONTEXT BASED SEARCH KEY INFORMATION REFINDER

DOMAIN: Data Mining

JA 6071. ANDROID BASED BOAT CONTROL WITH AUTOMATIC SAFETY SYSTEM

DOMAIN: Android, Mobile Computing, Embedded, Society / Social Cause

JA 6072. LOCALIZATION & DETECTION OF EFFECTIVE TRACKING OF CHILDREN USING BLUETOOTH TECHNOLOGY

DOMAIN: Android, Mobile Computing, Society / Social Cause

JA 6073. GREEN COMPUTING BASED OPTIMIZED RESOURCE UTILIZATION IN CLOUD COMPUTING

DOMAIN: Cloud Computing, Green Computing

JA 6074. DEVELOPMENT OF WIRELESS POWER TRANSMISSION FOR CHARGING PHYSICALLY CHALLENGED WHEEL CHAIR & MOBILE PHONE

DOMAIN: Mobile Computing, Embedded, Robotics, Society / Social Cause

JA 6075. IDENTIFICATION OF CLONE NODES USING RDE AND CHORD ALOGORITHM WITH ENCRYPTION

DOMAIN: Network Security

JA 6076. MIXED BIOMETRIC_FINGERPRINT BASED USER AUTHENTICATION USING HASHING AND OTP GENERATION

DOMAIN: Image Processing, Biometrics, Security, Embedded, Society Based

JA 6077. SECURED KEY EXCHANGE BASED AUTHENTICATION WITH ENCRYPTION AND HASHING TECHNIQUE USING RECEVIED SIGNAL STRENGTH

DOMAIN: Mobile Computing, Security

JA 6078. SECURED DATA STORAGE WITH ENCHANCED TPA AUDITING SCHEME USING MERKLE HASH TREE AND MULTI OWNER AUTHENTICATION WITH LOAD BALANCING IN CLOUD COMPUTING

DOMAIN: Cloud Computing, Security

JA 6079. DETECTION OF FLOODING ATTACKS AND CONTENT ANALYSIS IN DTN

DOMAIN: Network Security

JA 6080. DESIGN OF ASSURED DATA DELIVERY USING INDEGREE AND CAPACITY CALCULATION IN WIRELESSS LAN

DOMAIN: Networking

JA 6081. IDENTIFICATION OF MISBEHAVIOUR AND PACKET LOSS ACTIVITIES IN MOBILE ADHOC NETWORKS

DOMAIN: Mobile Computing

JA 6082. ATM: ANYTIME MEDICINE-ENCHANCED TELEMEDICINE WITH BIO-MEDICAL COMPUTATION IN CLOUD ENVIROMENT

DOMAIN: Embedded, Cloud Computing, Society / Social Cause

JA 6083. A SIMPLE TEXT-BASED SHOULDER SURFING RESISTANT GRAPHICAL PASSWORD SCHEME

DOMAIN: Security, Society / Social Cause

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JA 6084. AVERTING MAN IN THE BROWSER ATTACK USING USER-SPECIFIC PERSONAL IMAGES

DOMAIN: Security, Society / Social Cause

JA 6085. EFFECTIVE IMPLEMENTATION OF TRUST WORTHY CO ORDINATION IN INTER COMMUNICATION WEB SERVER TRANSACTIONS

DOMAIN: Web Services

JA 6086. VEHICLE ANTI-THEFT TRACKING SYSTEM BASED ON INTERNET OF THINGS

DOMAIN: Android, Mobile Computing, Society / Social Cause

JA 6087. ASSURED DATA TRANSMISSION USING FLOODING TIME, AND CAPACITY CALCULATION

DOMAIN: MANET

JA 6088. INTEGRATION OF ANDROID & CLOUD COMPUTING IMPLEMENTATION OF REMOTE DATA STORAGE WITH CHUNKING OF DATA & COMPRESSION

DOMAIN: Android, Mobile Computing, Society / Social Cause

YOUR OWN IDEAS ALSO

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