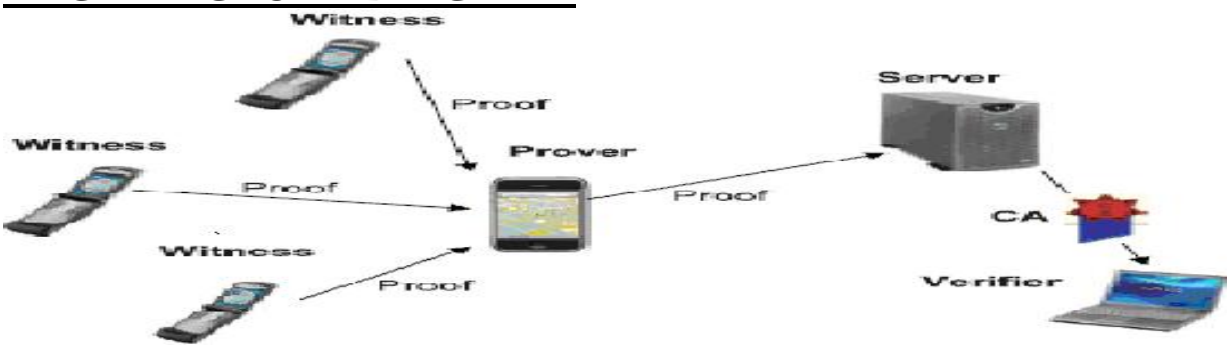
ANDROID BASED PROJECTS LIST

AND 1. SECURED LOCATION TRACKING WITH TAMPER PROOF USER LOCATION IDENTIFICATION TOWARDS EFFECTIVE AND RESTRICTED DATA ACCESS

ARCHITECTURE DIAGRAM



DESCRIPTION : In the **EXISTING SYSTEM,** user Location is usually tracked using GPS, but GPS cannot be used or the internal tracking. So there is no effective Location Tracking Mechanism. In the **PROPOSED MODEL,** A Privacy-Preserving LocAtion proof Updating System (APPLAUS) in which colocated mobile devices mutually generate location proofs and send updates to a location proof server. Periodically changed pseudonyms are used by the mobile devices to protect source location privacy from each other, and from the untrusted location proof server. **MODIFICATION** that we Propose in this Project, is to Automatic Alert SMS to the Main Server about the particular User's Misbehavior, So that the Admin can take necessary action against the user if required.

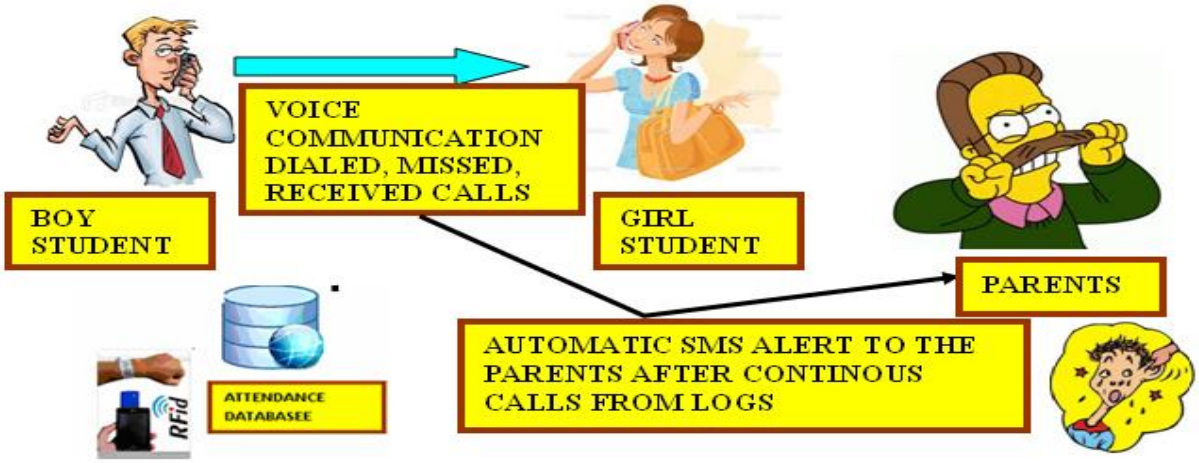
ALGORITHM / METHODOLOGY: Modified Correlation Clustering

DOMAIN:. Mobile Computing

IEEE REFERENCE: IEEE TRANSACTIONS on Mobile computing, 2013

AND 2. STUDENT BEHAVIOR & ATTENDANCE MONITORING WITH AUTOMATIC SMS ALERT TO PARENTS

ARCHITECTURE DIAGRAM



DESCRIPTION: In the **EXISTING SYSTEM,** there is no Tracking of the Children's and the Parents do not have any control over their children. They do not have any Track of the students Mobiles also. **PROPOSED SYSTEM**, the student's presence would be send as SMS to the Parents immediately that day itself on a Daily Basis. Every Student would be provided with RFID Authentication. The **MODIFICATION** that we Propose in this Project, along with the RFID Student Attendance System Students Mobile number Log Tracking is also carried out and Automatic Alert SMS is send to the Parents. **1.** If one student is speaking to another number for more than 5 mins, call would be disconnected as well automatic Alert SMS is send to the Parents. **2.** Dialing / Receiving Calls for more than 5 times a day to / by a particular number will also send an automatic Alert SMS to the Parents. 3. Sending / Receiving SMS for more than 5 Times to / from Number will also send Alert SMS to the Parents.

DOMAIN: Mobile Computing, Embedded

IEEE REFERENCE: IEEE Paper on ICCSEE, 2012

AND 3. ANDROID BASED MOVING OBJECTS DETECTION WITH ALERT SMS WITH IMAGE STREAMING

ARCHITECTURE DIAGRAM

DESCRIPTION: In the **EXISTING SYSTEM,** the Remote Video Surveillance System is carried using Live Video Transformation to TV. Admin has to see those Videos continuously. In the **PROPOSED SYSTEM**, Webcam is connected in the Security Place. Webcam captures first frame as Reference Image and starts comparing with the Rest of Frames, with the Reference Image. If any Object / Person cross, immediately Pixel Calculation is made and comparison is achieved using Back Ground Subtraction Algorithm which identifies the Motion. In the **FUTURE ENHANCEMENT** part, once motion detection is confirmed, an alert SMS is sent to the admin, as well as Admin can see those images using Android phone and helps him to decide whether to discard (or) to take necessary action.

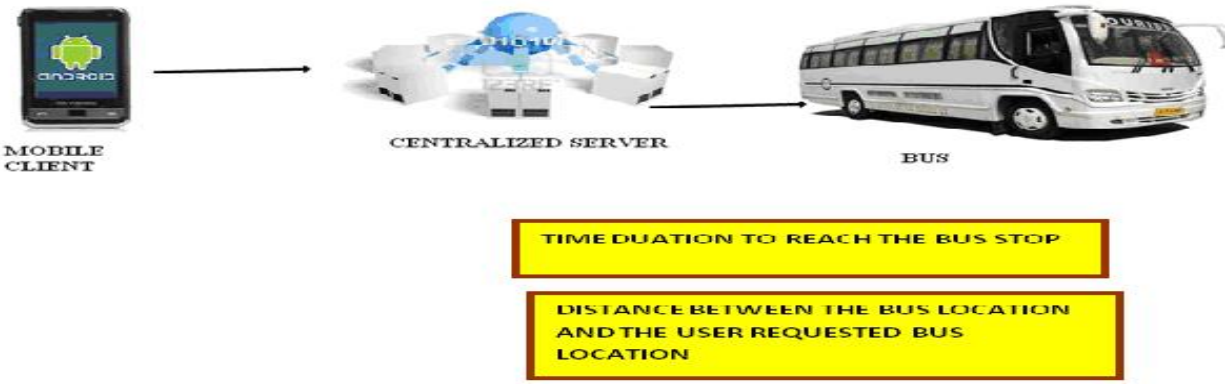
ALGORITHM / METHODOLOGY: Back Propagation

DOMAIN: Mobile Computing, Android

IEEE REFERENCE: IEEE Paper on Systems and Informatics (ICSAI 2012)

AND 4. ANDROID BASED BUS MONITORING AND AUTOMATIC TIME ALERT

ARCHITECTURE DIAGRAM



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 shop. 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.

DOMAIN: Mobile Computing, Android

IEEE REFERENCE: IEEE Paper on Computer Distributed Control and Intelligent Enviromental Monitoring, 2012

AND 5. ANDROID BASED TELE OPERATIVE ROBOT USING MEMS ACCELEROMETER

ARCHITECTURE DIAGRAM

DESCRIPTION: In the **EXISTING SYSTEM**, Robot / Vehicle Control is achieved using Manual input. In the **PROPOSED MODEL**, Smart Phone, Android based control of Robot is achieved via MEMS (micro electro mechanical systems) Sensor in the Phone. As the User Changes the Position of the Android Phone, MEMS Sensor will identify the Rotation and control the Robot via Bluetooth Communication. In the **MODIFICATION PART**, same

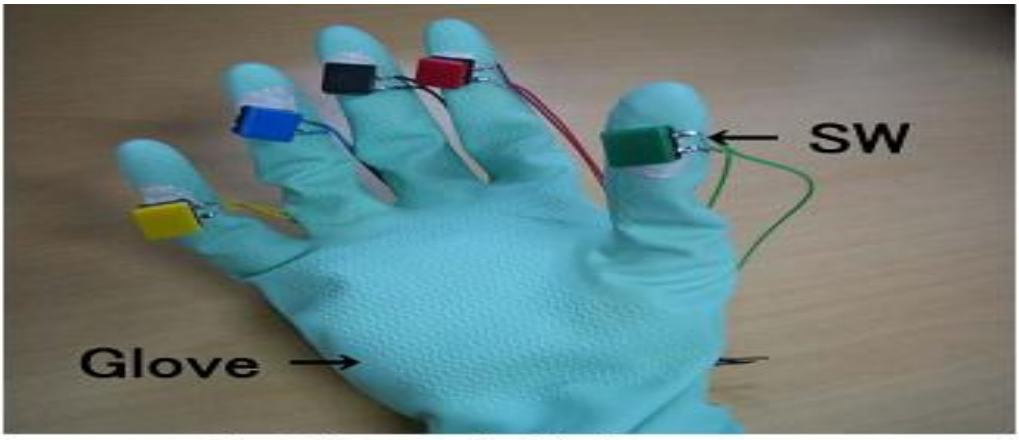
Implementation is achieved except GPRS control is implemented instead of Bluetooth Communication. Bluetooth is only limited range of Control, where as GPRS is the wide range of control, so that the user can control the Robot from the distance also.

DOMAIN: Android, Mobile Computing, Embedded

IEEE REFERENCE: IEEE Paper on Human-Robot Interaction (HRI), 2012

AND 6. AUTOMATIC CONTROL OF APPLICATION USING MEMS BASED CONTROL FOR DISABLED PERSONS

ARCHITECTURE DIAGRAM



DESCRIPTION: In the **EXISTING SYSTEM**, Disabled Persons has lot Disturbance for their Communication; They do not have any other Alternative Process for their

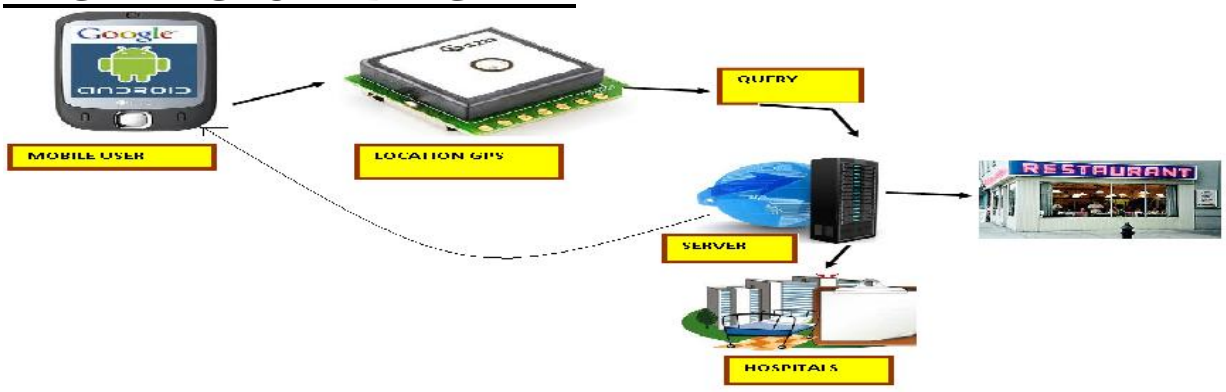
Comunication. In the **PROPOSED SYSTEM** Switch Sensor based control via Fingers. This Sensor is used to control the movement of any PC absed Application. In the **MODIFICATION** Part, We are using MEMS Sensor which is used for the MEMS sensor is connected in the fingers which can transmit the values to the Computer for the control of an application in the PC or even the control of the PC. This implementation would be of high use for the disabled Persons for their hand movement based control system.

DOMAIN: Android, Mobile Computing, Embedded

IEEE REFERENCE: IEEE Paper on Consumer Electronics (ICCE), 2012

AND 7. ANDROID BASED REMOTE CITY MAPPING WITH ENHANCED LOCATION PRIVACY

ARCHITECTURE DIAGRAM



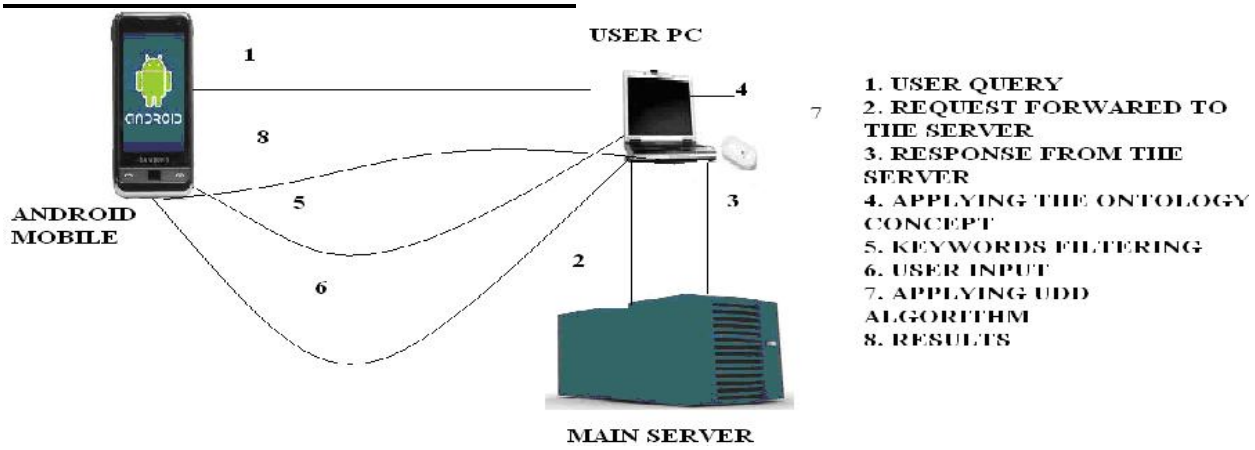
DESCRIPTION: In the **EXISTING SYSTEM**, all the users are travelers at some point of time, we require a local Guide to visit new Places, even some important places like Bank, Hotels, Restaurants in the case of unfamiliar Places. In the **PROPOSED SYSTEM**, we

are developing an Android based Application which is deployed in the users Mobile which is used to Retrieve the Location based Services (LBS), The combination of the smart phone and the Internet service is the trend of the future information development and software applications. Mobile phones are the most commonly used communication tools. Using mobile phones to obtain information is not only quick, but also more convenient shortcut to improve people's lives. The android based city guide system can realize to query information for hotel, scenery, restaurant, traffic and so on. The android based city guide system has more practical significance. **MODIFICATION** that we Propose in this Project is to maintain the User's Location Privacy. The Location from which user is requesting a query is kept Secured in order to maintain the User Privacy.

DOMAIN: Android, Mobile Computing, Embedded

IEEE REFERENCE: IEEE Paper on CECNET, 2012 AND 8. ANDROID BASED EFFECTIVE AND EFFICIENT SEARCH ENGINE RETRIEVAL SYSTEM USING ONTOLOGY

ARCHITECTURE DIAGRAM



DESCRIPTION : In the **EXISTING SYSTEM**, A major problem in mobile search is that the interactions between the users and search engines are limited by the small form factors of the mobile devices. As a result, mobile users tend to submit shorter, hence, more ambiguous queries compared to their web search counterparts. In the **PROPOSED MODEL**, users search's on the when for query, either Area specified (or) user's location, server retrieves all the information to the user's PC where ontology us applied. User PC displays all the relevant keywords to the user's mobile, so that user selects the exact requirement. Ranking occurs and finally exactly mapped information is produced to the user's mobile. In the **MODIFICATION**, We apply UDD algorithm to eliminate the duplication of records which helps to minimize the number of URL listed to the user.

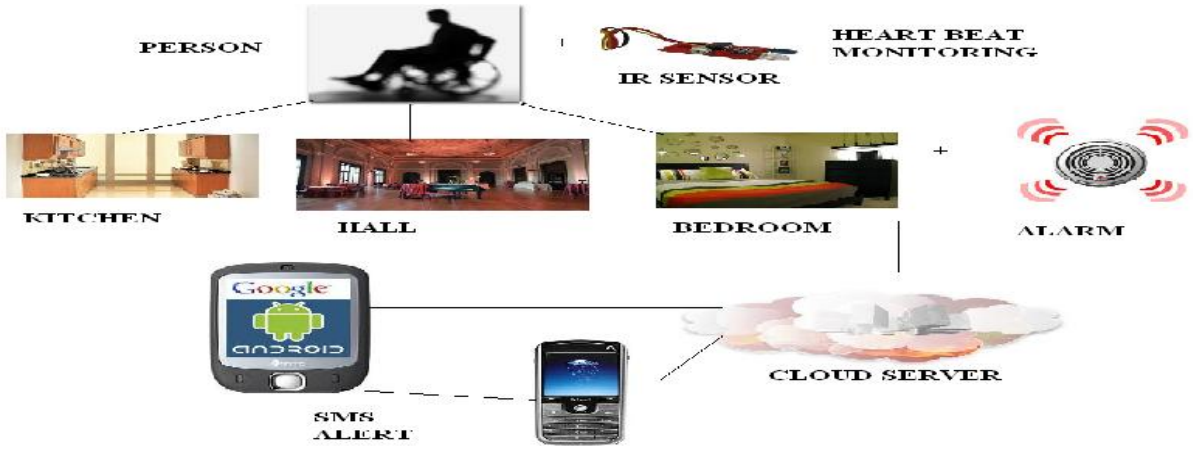
ALGORITHM / METHODOLOGY: Naive Bayes classifier, Ontology, UDD

DOMAIN: Mobile Computing, Android, Data Mining

IEEE REFERENCE: IEEE Transactions on Knowledge and Data Engineering, 2012

AND 9. M – GUARDIAN: ANDROID BASED ELDERLY PEOPLE ACTIVITY AND HEALTH MONITORING USING CLOUD COMPUTING

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. In this paper, we develop android smart phone application to assists elderly people for independent living in their own homes. Smart phone 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.

DOMAIN: Cloud Computing, Android, Embedded

IEEE REFERENCE: IEEE Paper on ICACT, 2012
AND 10. NFC BASED TELEMONITORING OF HUMAN VITAL PARAMETERS WITH EMERGING SERVE

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

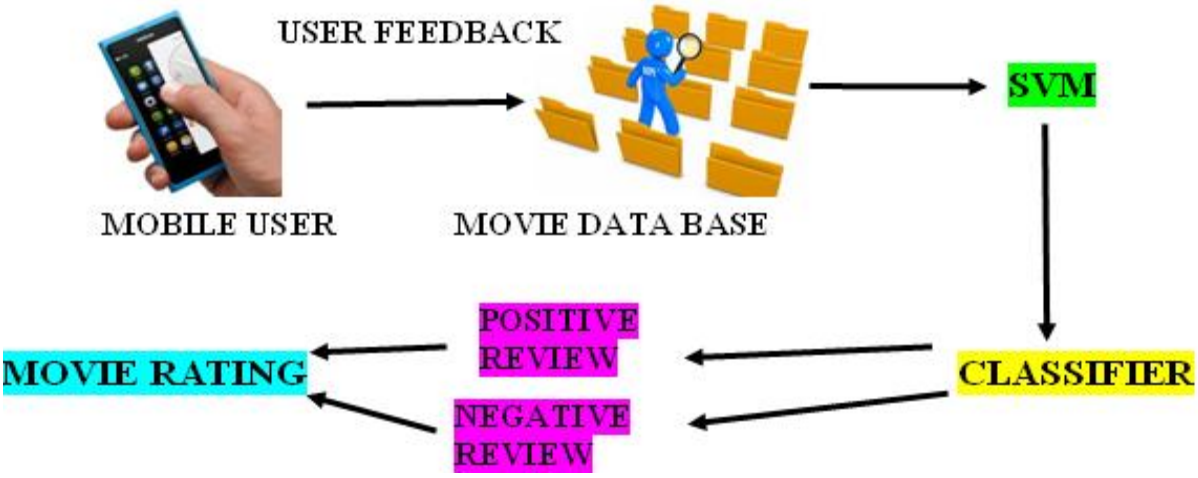
ALGORITHM / METHODOLOGY: Secured Random Key Generation

DOMAIN: Mobile Computing, Security, Embedded

IEEE REFERENCE: IEEE TRANSACTIONS on Information Technology in Biomedicine, 2012

AND 11. A MACHINE BASED ANALYTIC APPROACH WITH SVM CLASSIFIER FOR FILTERING MOVIE AND PRODUCT QUALITY USING ANDROID SMART PHONE

ARCHITECTURE DIAGRAM



DESCRIPTION : In **EXISTING SYSTEM**, computer based movie rating process happens, that too no proper rating is happening. In the **PROPOSED SYSTEM**, we use the Android based user feedbacks are about only movie is obtained using SVM technique and feature based extraction method. User can select the feature and can provide positive and negative feedback. We use steaming algorithm to extract the proper feedback. In the **MODIFICATION**, User id is provided by verifying the mobile number, so it can avoid same user's re-feedback provision. We also provide same implementation for product review also.

ALGORITHM / METHODOLOGY: SVM, Machine Based Approach

DOMAIN: Mobile Computing, Android, Data Mining

IEEE REFERENCE: IEEE Transactions on Systems, Man, and Cybernetics, 2012

AND 12. ANDROID BASED HOME SECURITY DOOR CONTROL WITH HUMAN DETECTION AND IMAGE STREAMING WITH SMS ALERT

ARCHITECTURE DIAGRAM

DESCRIPTION : In the **EXISTING SYSTEM**, Door Lock status is verified manually there is no automatic process is implemented. In the **PROPOSED SYSTEM**, we have developed a security system that interfaces with an Android mobile device. The mobile device and security system communicate via GPRS. The mobile application can be loaded onto any compatible device, and once loaded, interface with the security system. Commands to lock, unlock, or check the status of the door to which the security system is installed can be sent quickly from the mobile device via a simple, easy to use GUI. The **MODIFICATION** that we propose, is IR sensor is attached in the door, if any person is detected an automatic Alert SMS is send to the User's Mobile, so that user can initiate the webcam and can see the Images of the persons who are waiting via their mobile through GPRS Communication. Mobile User can open the Door to the known persons by sending a Authenticating Key to the server.

ALGORITHM / METHODOLOGY: Secured Random Key Generation

DOMAIN: Mobile Computing, Security, Embedded, Android

IEEE REFERENCE: IEEE Paper on Southeastcon, 2012
AND 13. NFC BASED ANDROID IMPLEMENTATION FOR DISCOUNT AND LOYALITY COUPONS WITH SECURITY SYSTEM

ARCHITECTURE DIAGRAM

DESCRIPTION : In the **EXISTING SYSTEM,** we're purchasing the products via online (Over internet from the users PCs). Though online retailing is featured in mobile, that wasn't developed as much as compared to the retailing via PCs and Laptops. In the **PROPOSED SYSTEM,** We can purchase the products through our Android Smartphone. The user will hit the shopping server from their Android mobile with NFC Tag. The once they've entered into the site, they can purchase the items. Here we're providing the NFC ID to each and every user so that they enter it whenever they're signing into the site. In the **MODIFICATION**, we're sending an SMS alert to the user's mobile phone regarding the "deals of the day". This lets the users to

know the deals, so that they can purchase the products. Also we're writing the Image Coupon Id in the NFC tag. This ensures the security for the users.

ALGORITHM / METHODOLOGY: Secured Random Key Generation

DOMAIN: Mobile Computing, Security, Embedded, Android

IEEE REFERENCE: IEEE Paper on Near Field Communication , 2012 **AND 14. NFC AND FINGER PRINT BASED MULTIMODAL AUTHENTICATION SCHEME FOR SECURITY IN ANDROID**

ARCHITECTURE DIAGRAM

DESCRIPTION : In the **EXISTING SYSTEM,** it is very difficult to have a bio-metric based authentication in the difficult. In the **PROPOSED SYSTEM**, we implement multimode of authentication using RFID and Fingerprint for accessing restricted web services (Banks and Hospitals). In the **MODIFICATION**, Apart from the multimode, we encrypt the entire data of access in the data server and the corresponding key is stored in the authentication server only after it authenticates RFID, Fingerprint and Key, the user is allowed to access the data server.

ALGORITHM / METHODOLOGY: **Minutiae Fingerprint, Secured Random Key Gen**

DOMAIN: Mobile Computing, Embedded, Android

IEEE REFERENCE: IEEE Transactions on Systems, Man, and Cybernetics, 2012

AND 15. MULTI INPUT DEVICE CONTROL WITH VIBRATION DETECTION IN CLOUD COMPUTING USING ANDROID

ARCHITECTURE DIAGRAM

DESCRIPTION : In the **EXISTING SYSTEM**, very few Device Control process is Wireless and most of our home Appliances control is via Wired Connection. If at all there is wireless communication has its own range. Control of Devices is achieved in a Short Range only. In the **PROPOSED SYSTEM,** we have developed a Home Automation system that employs the integration of multi-touch mobile devices, cloud networking, wireless

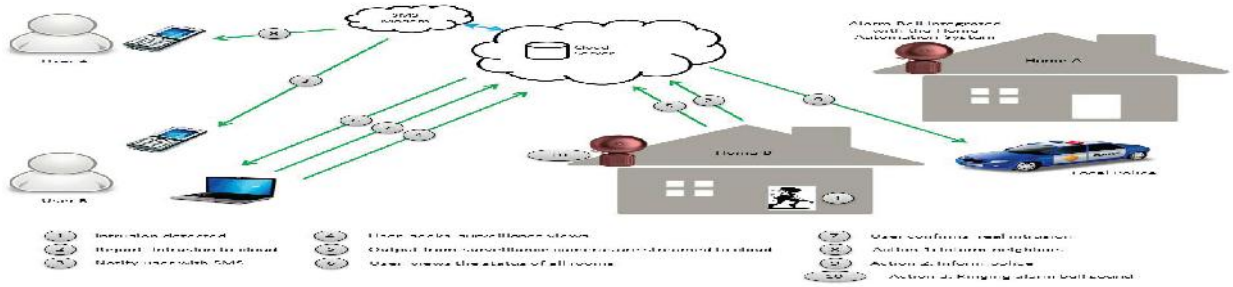
communication, and remote control of various lights and appliances within their home. This system uses a consolidation of a mobile phone application, handheld wireless remote, and PC based program to provide a means of user interface to the consumer. The **MODIFICATION** that we propose is Vibration Sensor is connected to the User PC, if the Vibration is detected Automatic Alert SMS is send to the mobile number of Authorized Person.

DOMAIN: Mobile Computing, Embedded, Android

IEEE REFERENCE: IEEE Paper on Southeastcon, 2012

AND 16. ANDROID BASED BURGLARY / INTRUSION DETECTION SYSTEM WITH AUTOMATIC ALERT FOR HOME SECURITY USING CLOUD COMPUTING

ARCHITECTURE DIAGRAM



DESCRIPTION : In the **EXISTING SYSTEM**, Security surveillance partakes in significant number of home automation systems, deploying digital cameras and sensors to monitor and report intrusion events and thereby reducing damages caused by burglary. This technique will require more cost and they will work up to a certain limit. In the **PROPOSED SYSTEM**, we can detect the suspected person entering into our house by using IR Sensor which is intimated to the Cloud Server. Then the cloud server notifies to House Owner via SMS Alert. Owner can view the videos via their PC and confirms the Intrusion, then the Cloud Server,

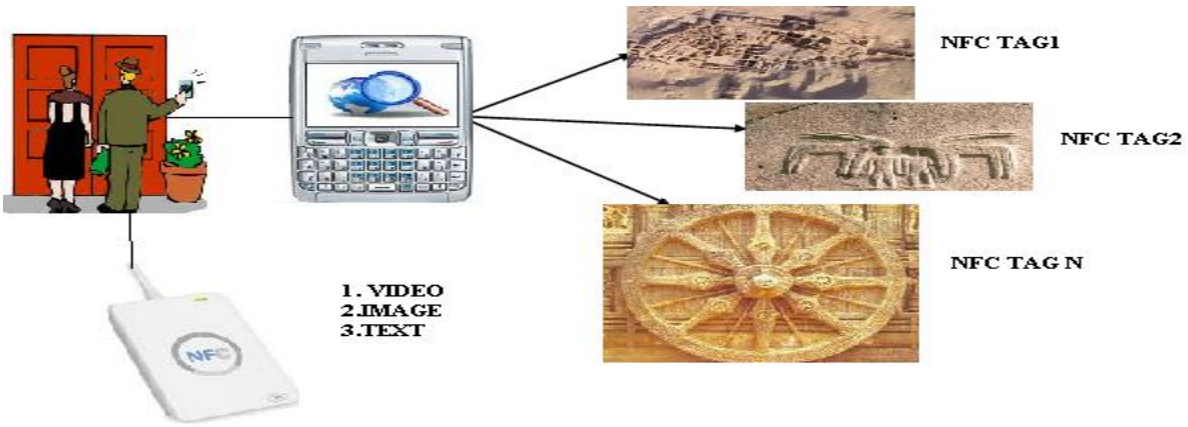
intimates to the Police Station and as well to neighbor's house. Also an alarm will ring. This provides the house owner more security and we can find the thief very easily. In the **MODIFICATION** phase, we're also generating an alert message to the House Owner mobile when fire accident or gas accident occurs. This will also helps the user to know about the incidents in a quick time.

DOMAIN: Cloud Computing, Embedded

IEEE REFERENCE: IEEE Paper on BCFIC, 2012

AND 17. NFC ON COGNITIVE SYSTEM FOR LOCATION BASED SERVICES USING ANDROID

ARCHITECTURE DIAGRAM



DESCRIPTION : In the **EXISTING SYSTEM**, the traditional museums have lot of olden and golden information's, which are seen by the visitors manually. The Visitor may miss some Good, Informative and Useful things, so the **PROPOSED SYSTEM** Speaks all about

Integration of NFC Tag (Near Field Communication) with the Exhibits. User's mobile has NFC Reader which communicates with the Tag to get the Information's from the Exhibits. User will never miss out any Objects. In the **MODIFICATION PROCESS**, during Registration Process, Server will identify the User's Interest towards Text / Image / Video based Data Retrieval system. Based on it, Server will transmit the Data in that mode to the User.

ALGORITHM / METHODOLOGY: Cognitive Learning

DOMAIN: Data Mining, Mobile Computing, Embedded, Android

IEEE REFERENCE: IEEE Paper on Intelligent Systems, Modelling and Simulation (ISMS), 2012

AND 18. DEVELOPMENT OF HUMAN – VEHICULAR CROSS COMMUNICATION IN IDENTIFING BEST ROUTE FOR TRANSPORTATION

ARCHITECTURE DIAGRAM

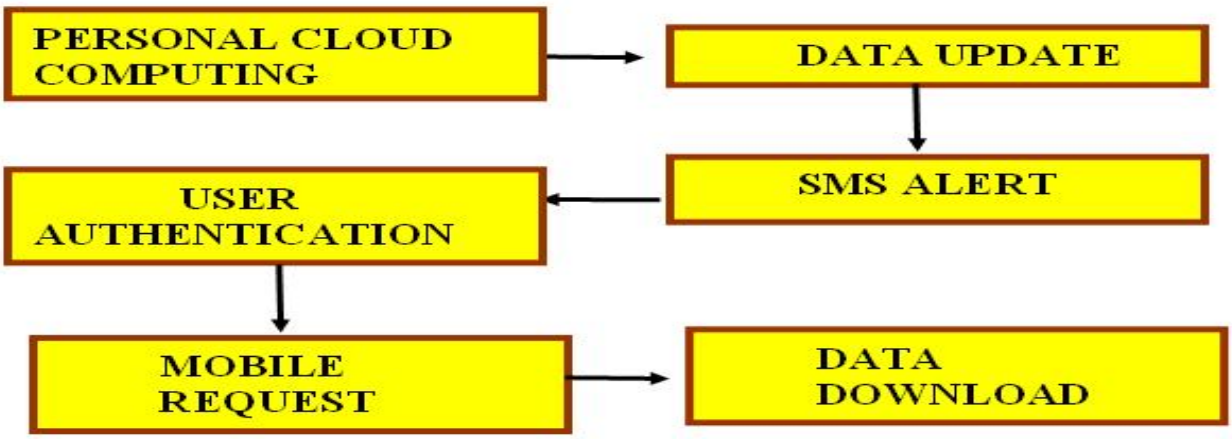
DESCRIPTION : In the **EXISTING SYSTEM**, when the road accidents traffic occurs, all the vehicle wait for hours together, until the traffic is cleared. In the **PROPOSED MODEL**, RFID based Navigation is processed once traffic occurs immediately vehicular based communication for travel. The **MODIFICATION** that we propose is user can find the best route using sensor is attached so that SMS Alert is send to the Hospital.

DOMAIN: Mobile Computing, Embedded, Android

IEEE REFERENCE: IEEE TRANSACTIONS on Parallel and Distributed Systems, 2012

AND 19. DYNAMIC USER AND DATA SYNCHRONIZATION SYSTEM WITH SMS ALERT AND DATA FETCHING USING ANDROID

ARCHITECTURE DIAGRAM



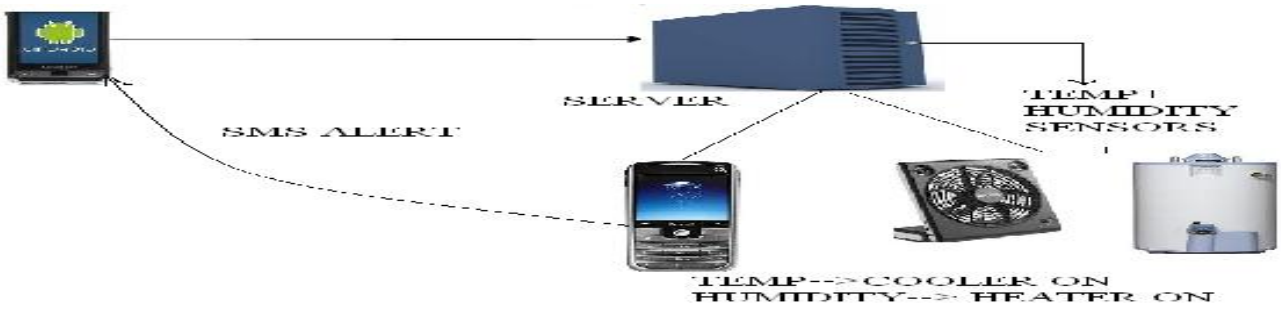
DESCRIPTION : This paper describes ad hoc data synchronization among devices for sharing contents. The purpose of this paper is to share user data in heterogeneous environments, without depending on central server. This technology can be applied to synchronize personal data between a device and a personal cloud storage for personal cloud services. The ad hoc synchronization needs sync agent service discovery module, user authentication module, network adapter, and application data synchronization module. The method described in this paper is better than existing synchronization technology based on client-server in availability, performance, and scalability quality attributes.

ALGORITHM / METHODOLOGY:

DOMAIN: Cloud Computing, Android

IEEE REFERENCE: IEEE Paper on Consumer Electronics (ICCE), 2012 **AND 20. AUTOMATIC ENVIRONMENTAL GATHERING AND DYNAMIC CONTROL SYSTEM IMPLEMENTATION USING ANDROID**

ARCHITECTURE DIAGRAM



DESCRIPTION : Mobile devices (in particular smart phones and tablets) can be used to monitor quality of life parameters. Today mobile devices use embedded sensors such as accelerometers, compasses, GPSs, microphones, and cameras without considering, for example, the air quality or the pollutants of the environment. This paper presents the possibility to use the smart phones capabilities to gather data from other phones or sensors. Nowadays, monitoring climate condition's parameters such as temperature and humidity is a prominent factor to control the changes of the environmental condition of living or working places for the human being. This point can be obtained by using distributed devices in different environments that containing high-resolution sensors and a wireless transmission apparatus for transferring data to smart phones. Smart phones are the programmable tools to have different kinds of applications that allow communicating with other devices and also gathering, analyzing and verifying data. In this paper, a novel interface by applying a Bluetooth-based sensor to sense Temperature and Humidity for monitoring of the environmental conditions using the android-based smart phone is introduced.

ALGORITHM / METHODOLOGY:

DOMAIN: Mobile Computing, Embedded, Android

IEEE REFERENCE: IEEE Paper on Southeastcon, 2012

AND 21. ANDROID BASED CLOUD COMPUTING IMPLEMENTATION OF SOFTWARE AS A SERVICE (SAAS) AND REMOTE NETWORK MANAGEMENT SYSTEM

ARCHITECTURE DIAGRAM

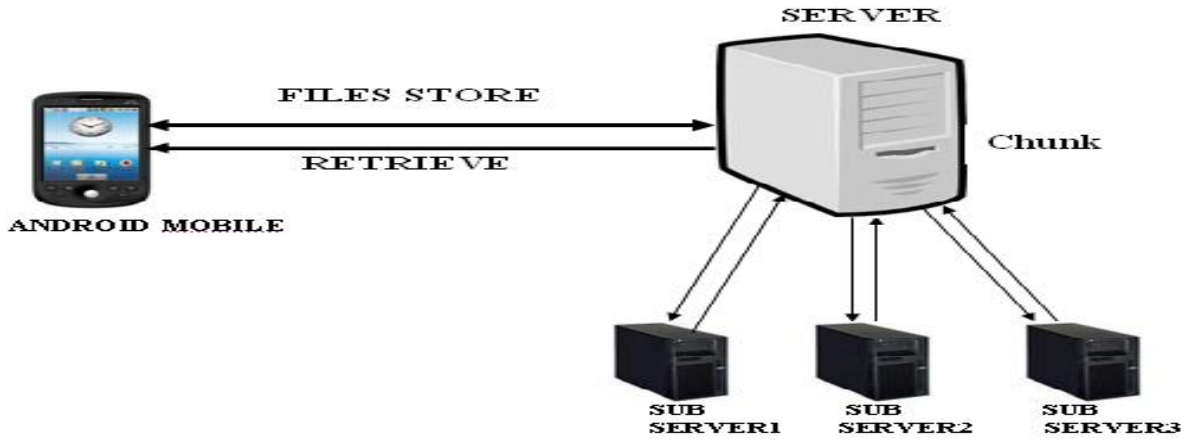
DESCRIPTION : The Number of Smart Phone Users and Mobile Applications are growing rapidly. In the **EXISTING SYSTEM**, though smart phones are expected to have PC-like functionality, Hardware Resources such as CPUs, Memory and Batteries are still Limited. To solve this, **PROPOSED SYSTEM** implements Cloud Computing Architecture for Mobile Devices. Android user can utilize software as a service (SAAS) Process from the cloud server, without installing the software in the user Android mobile. The **MODIFICATION** we Proposes is User can View and Control all the Remote PCs from Android Mobile using GPRS & RMI. User can Shut Down / Logoff / Restart & can Multicast & Unicast from Android Mobile.

DOMAIN: Android, Mobile Computing, Cloud Computing

IEEE REFERENCE: IEEE Paper on Consumer Communications and Networking, 2011

AND 22. ANDROID BASED EXTERNAL FILE STORAGE & SECURED CHUNKING SYSTEM IN CLOUD SERVER

ARCHITECTURE DIAGRAM



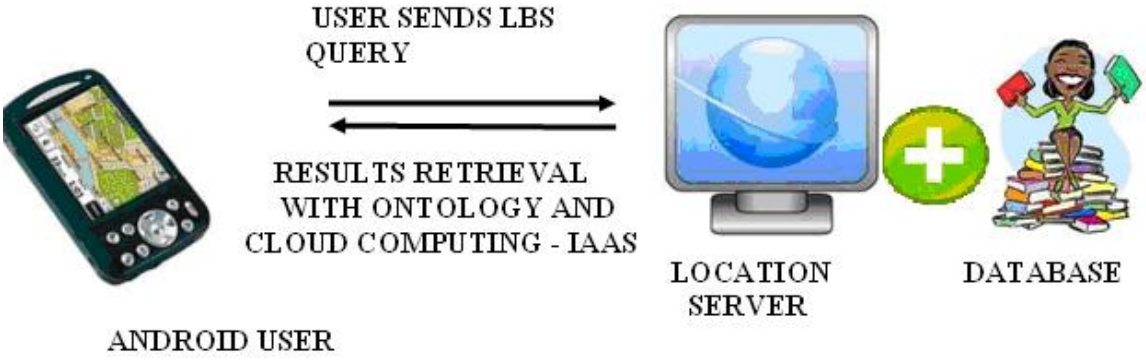
DESCRIPTION : In the **EXISTING SYSTEM** handling any type of file is done in Personal Computer. The introduction of mobile devices in modern life opened the doors to the possibility to do that ubiquitously, fostering a vast plethora of new entertainment applications. Unfortunately, the storage capacity of these devices is limited. In the **PROPOSED MODEL**, we have created FTP4Android. Our solution provides smart phone users to have an Infinite Memory on their Devices by storing their Files on Remote Servers. To speed up the Transfer Process both in Upload and Download, Parallel Transmissions to/from different Servers are performed. The files are Chunked in Main Cloud Servers and stored in Multiple Sub Cloud Servers. The **MODIFICATIONS**, we Propose is the Security Implementation of Data Access. During the Data Retrieval Session Key is Generated to the Legitimate User. Only after Proper Authentication, files can be accessed by the User.

DOMAIN: Android, Mobile Computing

IEEE REFERENCE: IEEE Paper on Digital Entertainment, Networked Virtual Environments, and Creative Technology, 2011

AND 23. ANDROID BASED CLOUD COMPUTING IMPLEMENTATION OF SECURED LOCATION BASED SERVICES USING SEMANTIC KEYWORD SEARCH

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 which has all the Location Information. We Implement Infrastructure as a service (IAAS) for Cloud computing Process. Cloud server acts as Main Data Server. Ontology Process is also proposed. The **MODIFICATIONS** is made to have the privacy of the User's Location in which Query is requested. We also Propose KNN Query Algorithm for Effective & Nearest Data Retrieval with respect to the user's (Android) location.

DOMAIN: Android, Mobile Computing, Cloud Computing

IEEE REFERENCE: IEEE Paper on Electric Information and Control Engineering (ICEICE), 2011

AND 24. IDENTIFICATION CREDIT CARD FORGERY SYSTEM BY LOCATION BASED TRACKING USING ANDROID

ARCHITECTURE DIAGRAM

DESCRIPTION : In the **EXISTING SYSTEM**, Credit Card Fraud is the most common occurrence. There is no authenticated step to control Credit Card Fraud in real time. In the **PROPOSED MODEL**, Location based Verification Scheme is implemented by comparing the User's Credit Card Location with the User's Mobile Location. This is very Effective to Identify the Real User. The **MODIFICATION** we Propose is to generate a Encrypted Data to the Real User's Mobile Number along with the Decrypting Key as SMS only when both the Location of

Credit Card and Mobile of the User is Matched. So process would definitely filter credit card fraud totally.

DOMAIN: Mobile Computing, Embedded

IEEE REFERENCE: IEEE Paper on Parallel, Distributed and Network-Based Processing (PDP), 2011

AND 25. ANDROID IMPLEMENTATION OF SECURED VOICE COMMUNICATION OVER INTERNET PROTOCOL (VOIP) USING RTP, SIP, GPRS

ARCHITECTURE DIAGRAM

DESCRIPTION : In the **EXISTING SYSTEM**, Android Platform does not provide the SIP Protocol for any Streaming Applications. So in the **PROPOSED MODEL**, Audio

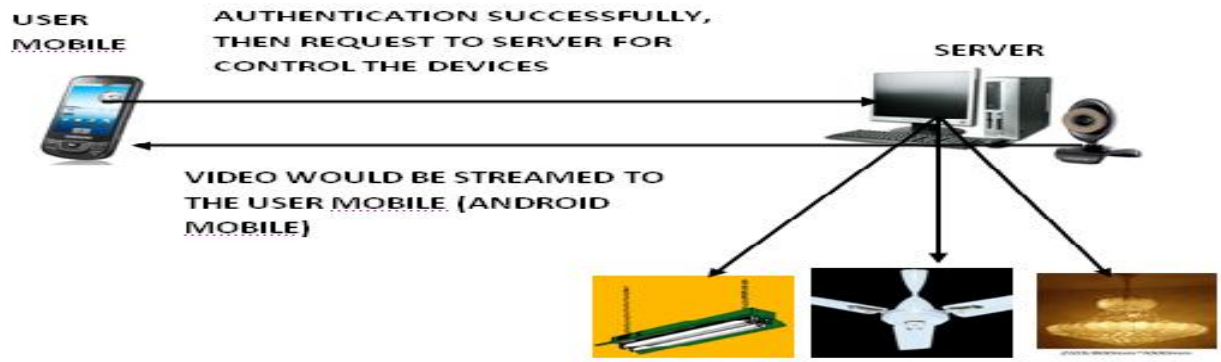
Streaming is achieved using SIP, RTP for audio transfer from one Android phone Emulator to another Android phone Emulator. The **MODIFICATION** aimed at the betterment of the Proposed System, is to stream Live Voice Communication between two Android Phone emulators. Live voice is transferred via SIP, RTP, GPRS and Asterisk server.

DOMAIN: Mobile Computing, Android, VOIP, Security, Multimedia

IEEE REFERENCE: IEEE **Paper** on EUROCON, 2011

AND 26. MOBILE BASED VIDEO STREAMING AND HOME AUTOMATION SYSTEM USING ANDROID PHONES

ARCHITECTURE DIAGRAM



DESCRIPTION : In the **EXISTING SYSTEM**, all the wireless communication has its own range. Control of Devices is achieved in a Short Range only. But in the **PROPOSED**

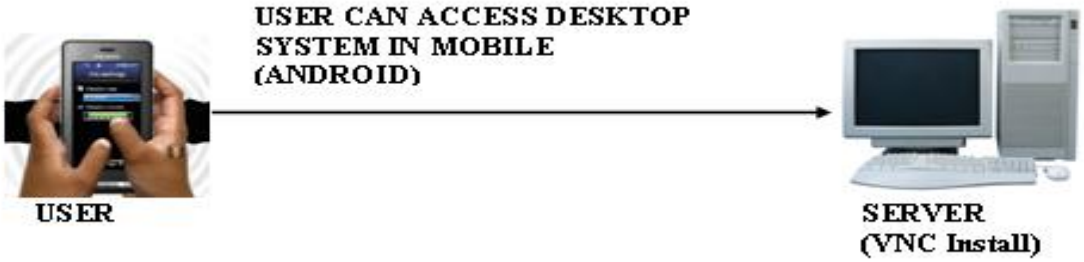
SYSTEM, the Electrical Devices are connected to the Home System along with the Webcam and IR Sensors. Android User can control the Electrical Devices via GPRS connection and also can Stream the Video through the Webcam. The **MODIFICATIONS** from the base paper is to generate SMS alert provided to a User after the control of the Electrical Devices. Using IR, if movement is detected immediately alert SMS is sent and the android user can stream the video wirelessly.

DOMAIN: Android, Cloud Computing, Security, Multimedia, Embedded

IEEE REFERENCE: IEEE **Paper** on Pervasive Communities and Service Clouds, 2011

AND 27. REMOTE DESKTOP CAPTURING USING ANDROID BASED SMART PHONE

ARCHITECTURE DIAGRAM



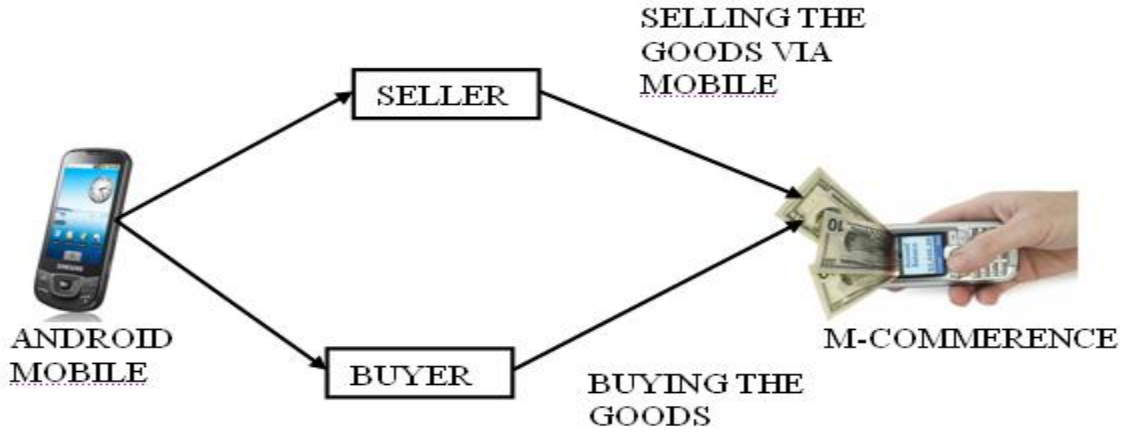
DESCRIPTION : This paper presents Android-based SoD (System on- Demand) client for remote presentation in virtual desktop environment. SoD is framework for on-demand computing in virtual computing environment. SoD enables to build cooperative device collaboration by orchestrating virtualized peripheral resources such as monitors, keyboarders, mice and so on. The objective of this paper is providing an Android-based phone with SoD client function, especially, remote presentation including functions of a mouse, a keyboard and a monitor. Implemented SoD client is tested on virtual desktop environment The challenge point of this paper is separating and virtualizing traditional peripherals of desktop. After this, we can redirect each virtualized I/O to any SoD client device on demand.

DOMAIN: Android, Mobile Computing

IEEE REFERENCE: IEEE Paper on ICACT, 2011

AND 28. ANDROID BASED M-COMMERCE APPLICATION DEVELOPMENT

ARCHITECTURE DIAGRAM



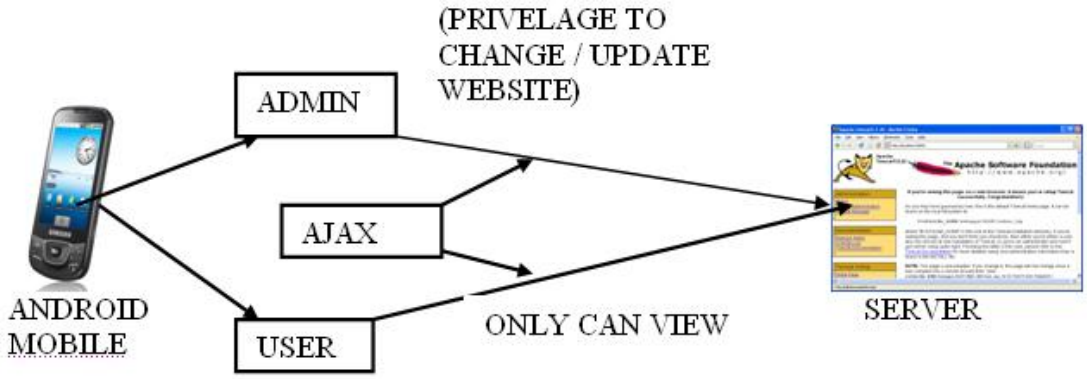
DESCRIPTION : With mobile commerce technology continuously being taken more into use and introduced in new markets, the transition to mobile commerce (m-commerce) will make mobile shopping exceedingly popular. In the near future mobile shopping will probably replace today's markets or shopping complex. This project presents a mobile application which is built using Mobile Information Device Profile (MIDP) of the Java Android Platform, that enable users to purchase flowers without a trip to the market or elsewhere. Users can access the application or service through mobile phones and view the available items. The application has been deployed and run on an emulator (Android) with a Default Color Phone as the default emulator.

DOMAIN: Android, Mobile Computing

IEEE REFERENCE: IEEE Paper on ICACT, 2011

AND 29. ANDROID BASED WEB AUTHORITY MODELING WITH CONTENT MANAGEMENT SYSTEM USING AJAX

ARCHITECTURE DIAGRAM



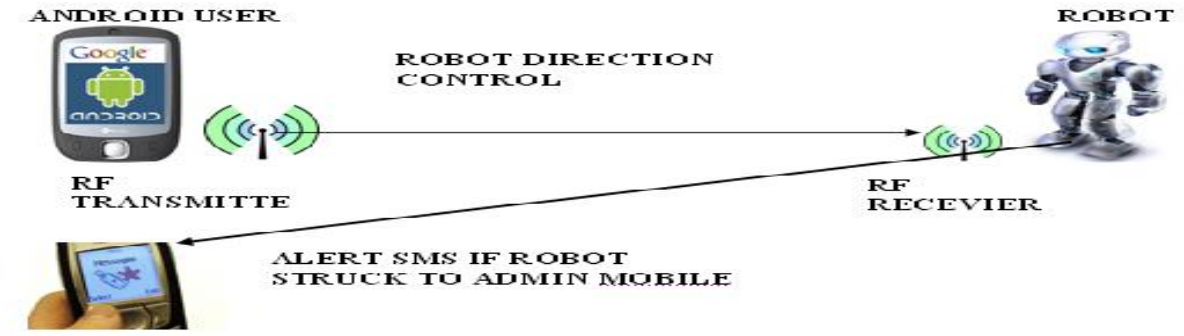
DESCRIPTION : In the **EXISTING SYSTEM**, the delegation of rights is not possible in Android, User can change the settings as they feel. In the **PROPOSED MODEL** every user has been provided with Privileges and Admin Privilege is the Superior when compared with the User Privilege. The **MODIFICATION** proposed is with the implementation. Admin can change any Web Content through Android after Successful Authentication. User can only view the Web Content. They do not have any rights to change the web content. Ajax is user for client side scripting.

DOMAIN: Android, Mobile Computing

IEEE REFERENCE: IEEE Paper on ICACT, 2011

AND 30. AUTONOMOUS NAVIGATION OF REMOTE VEHICLE & TRACKING SYSTEM USING ANDROID & RFID

ARCHITECTURE DIAGRAM



DESCRIPTION : In the **EXISTING SYSTEM**, the control of Monorail / any Vehicle is carried by Manual Process by the Driver. In the **PROPOSED MODEL**, the Direction Control and Remote Tracking are carried using Android Mobile Platform and RFID. The Admin instructs the Monorail car from Android Phone and can easily track also. The **MODIFICATION** we propose is if the vehicle is stopped automatically as alert SMS is sent to the Admin using with the current location of the User.

DOMAIN: Android, Mobile Computing, Embedded

IEEE REFERENCE: IEEE Paper on Measuring Technology and Mechatronics Automation, 2011