

2012-2013

**1.PROJECT TITLE:** AN ANDROID APPLICATION FOR EASE TRAIN TICKETING

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### **ABSTRACT**

The Ultimate aim of our proposed An Android Application for Ease Train Ticketing is to provide easy Ticketing System for Suburban Train commuters. In this project, user sends a SMS using this application[5] for buying a ticket. Normal SMS charges are applicable and no extra amount is spent for buying tickets. Online account is maintained for detection of ticket amount. Users get the tickets delivered in SMS[12] and can show to the Train Ticket Examiner.

### **CONCLUSION**

In this project people can use “Pocket A Ticket” application for buying tickets, there is no need of standing in long queues. The users able to send the requirements for tickets through this application in SMS format. Application provides the user to enter Source, Destination and No. of Ticket. The tickets are delivered in SMS and provided with date and time of purchase which are used for verification. The available balance is checked by the Server and Ticket Cost is deducted from the user account. Server builds the ticket format, inserts the available balance, ticket related information and the validity of the ticket.

## **2.PROJECT TITLE: FILE TRACKING SYSTEM**

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### **ABSTRACT**

‘File Tracking System’ is a web application developed to maintain the status of a file while it is being processing by multiple departments of a Government Organization which may take huge amount of time to process thousands of files. File Tracking System (FTS)” is to be developed as a software system in-house to help TCIL to keep track of every file within the organization. This Project will enable staff (i.e.) Supervisors and Initiator to look at the status of the file moved along with everyone’s comments all at the same time. This will also help to track the files thereby files will not get misplaced and movement of files will be expedited. It will provide flexibility to all departments of TCIL to maintain huge amount of pending files.

### **CONCLUSION**

Thus web application for accessing and tracking the files using FILE TRACKING SYSTEM has been created using J2EE. This system is more usefull for all the organizations to maintain the file of their own. Those files that are tracked already can also be made used in future. The whole database of FTS is maintained by MY SQL workbench and application is maintained in good environment.

**3.PROJECT TITLE:**

RELIABLE AND EFFICIENT DATA TRANSMISSION IN DYNAMIC  
MOBILE AD-HOC NETWORKS

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**ABSTRACT**

In mobile ad hoc networks(MANETs), nodes move freely and so the topology of the nodes are highly dynamic. The process of routing the data packets to the destination is a challenging task. In order to provide an efficient and reliable data delivery for these MANETs, we are using a position-based opportunistic routing(POR) protocol. This protocol uses the best features of the exiting protocols and algorithms to achieve good performance.

#### **4.PROJECT TITLE:**

SECURE DATA RETRIVEL FOR DECENTRALIZED DISRUPTION TOLERANT MILITARY NETWORKS

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#### **ABSTRACT**

In this system mainly focus on routing misbehavior process in DTN .In generally disruption tolerant networks (DTNs), selfish or malicious nodes may drop received packets. Such routing misbehavior reduces the packet delivery ratio and wastes system resources such as power and bandwidth. Although techniques have been proposed to mitigate routing misbehavior in mobile ad hoc networks, they cannot be directly applied to DTNs because of the intermittent connectivity between nodes. To address the problem, to propose a distributed scheme to detect packet dropping in DTNs. In this scheme, a node is required to keep a few signed contact records of its previous contacts, based on which the next contacted node can detect if the node has dropped any packet. Since misbehaving nodes may misreport their contact records to avoid being detected, a small part of each contact record is disseminated to a certain number of witness nodes, which can collect appropriate contact records and detect the misbehaving nodes. And also propose a scheme to mitigate routing misbehavior by limiting the number of packets forwarded to the misbehaving nodes. Further process to implement for to detect parasite attack. In parasite attack having two types: corruption and tailgating.

## **5.PROJECT TITLE:**

CHANDRA'S ALTITUDINAL COMPOSITION EXPLORER AND COMMUNICATIONS

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### **ABSTRACT**

The CHandra's Altitudinal Composition Explorer *CHACE* is a part of the *Moon Impact Probe(MIP)* which has been instituted in Chandrayaan I as one of the six Indian payloads. Being the main objective of finding the presence of water molecules in the moon's atmosphere, the CHACE has also been entitled as a part of Chandrayaan II with a nomenclature of *CHACE II* which is more sensitive than CHACE I. CHandra's Altitudinal Composition Explorer is a sensitive *Quadrupole Mass Spectrometer* which can measure 100,000 particles/cc effortlessly. The CHACE is nothing but a typical *Neutral Mass Spectrometer(NMS)*. It is an analytical technique that measures the mass-to-charge ratio of charged particles. NMS works by ionizing chemical compounds to generate charged molecules or molecule fragments and measuring their *mass-to-charge ratios*. CHACE is almost 10,000 times more sensitive than the mass spectrometers carried by the *Apollo-17* team. It covers a mass range of 1-100 amu with a resolution of 1-amu. With 4-sec integration time, the instrument collected a total of around *600 spectra* during its descend from 100-km orbit. The spectra were clean and rich in elements with a very high signal to noise ratio for few notable peaks. The captured spectra are send to the ground station using *X-Band* and the commands and instructions to the payload is carried out in *S- Band*. They are transmitted in a digital format and after receiving they are decoded to provide the information which are transmitted. The communication is set up through *18-m Antenna* and *32-m Antenna*.