

RFID METRO TRAIN SYS.



## ABSTRACT

The purpose of this project is to design a rfid metro system which is capable of detecting the open and close doors, while enabling the operator to control the rfid metro system from a transponder card. This is a pioneer project and therefore the development of the rfid metro system had to be initiated from the very basic steps. The project was started from the brain storming phase together with the research phase and then proceeded into the conceptualization or designing phase.

The ideas and concepts from the theoretical stages are shaped into the physical hardware components by fabrication of a prototype and then software programs are integrated into the system so as to test and experiment the concepts that had been developed.

The designed rfid metro system is capable of detecting a open close doors, reduction money of buried mine, and controlling itself from microcontroller over it and detonating the mine. The detection of the buried mine is done by using ic's, diode, capaciator, motor, transformer since most land mines contain electronic components. The marking of station location of the possible buried mine area will be done by spraying distinctive rfid tag onto that location. With the use of interchangeable rfid reader module, the avoiding of the possible buried mine location can be executed without requiring the rfid metro system to dodge around that spot. I Landmine detection and marking rfid Summary

The rfid metro system will around in a nearly rfid reader module, marking the possible buried open and close and nearly touch transponder card in a rfid reader module. The system allows the operator to stay at a safe touch by enabling him to control the rfid metro system.

The reliability of the rfid depends upon the type of microcontroller or rfid reader module being used. Therefore, the rfid platform has been designed to be versatile enough to work with any microcontroller installed programme onto it. This project has opened and closed doors of train and redction money any station.