

FINAL YEAR PROJECT REPORT

STUDENT ABSENTS ALERT SYSTEM USING RFID



SUBMITTED BY

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APPROVED BY

PROJECT ADVISOR _____ DIRECTOR PROJECTS _____

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ABSTRACT

Radio Frequency identification technology (RFID) technology is a non-contact, on-line of sight based technology. The main object of the RFID technology is the verification of an object or person to which a tag is attached too.

Each tag consists of a unique code which differentiates between different objects and object. It is the technique that is practical in environmentally challenging conditions where other optical or contact based technologies would be useless. Essential an RFID is a portable database and a wireless extension of information systems.

This project consists of such a security which allows the passage of authorized cards only. All unauthorized cards will be detected and will cause the system to generate an SMS to the head of security.

UNDERTAKING

We hereby declare that this submission is our own work. To the best of our knowledge it includes no material formerly published or written by another person or considerable proportions of material which have been accepted for the award of any other degree or any other educational institution apart from where due acknowledgement is made in the report. Any input made to the research by others with whom I have worked at University of Management and Technology or elsewhere, is explicitly acknowledged in the report. We also declare that the rational content of this report is the product of our own work except to the extents that help from others in the project design and beginning or in style, presentation and linguistic expression is acknowledged.

Group Mates' Signatures

Signature _____

Signature _____

Signature _____

Advisor Signature

Date _____

ACKNOWLEDGEMENT

We would like to bend over our head before ALLAH Almighty the most Gracious and the most kindhearted. He has been our actual supporter throughout our lives. We are enormously thankful to our families for their never ending support and encouragement, for spending their time, their resources for us and for providing us with a very comfortable and progressive work environment. Moreover we would like to thank our friends and staff who gave us the knowledge of our subjects which led us to achieve this goal of a great final year project that gave us extreme learning and experience of field work.

*We want to thank our project advisor, **KHAN MUHAMMAD NAZIR** who gave us the enthusiasm for this project. He was extremely kind and supportive throughout the completion of our project. We consider ourselves extremely fortunate for having the opportunity to learn and work under his supervision over the entire period. After that, we would like to take this opportunity to express our gratitude and sincere thanks to **JAMEEL AHMAD** for his valuable support.*

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| ACCESS SECURITY:..... | Error! Bookmark not defined. |
| DIFFICULTY FOR REPLICATE:..... | Error! Bookmark not defined. |
| Since labels and hardware are quite a lot more perplexing than standardized identifications and scanner tags electronic, RFID framework is a great deal harder to manufacture. This makes it troublesome for would be tricks to get to or modify label information. | Error! Bookmark not defined. |
| ENVIRONMENTAL or DURABILITY: | Error! Bookmark not defined. |
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| CLASSICATION OF RFID SYSTEMS: | Error! Bookmark not defined. |
| Class 1: READ ONLY PASSIVE TAGS: | Error! Bookmark not defined. |
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| ACCESS METHODS: | Error! Bookmark not defined. |
| CHANNEL SPACING: | Error! Bookmark not defined. |
| GSM ARCHITECTURE: | Error! Bookmark not defined. |
| The extra parts of the GSM structural engineering include databases and informing frameworks capacities:..... | Error! Bookmark not defined. |
| Given below is a simple pictorial view of the GSM architecture. | Error! Bookmark not defined. |
| GSM PROTOCOL:..... | Error! Bookmark not defined. |
| GSM SECURITY: | Error! Bookmark not defined. |
| AT COMMAND WHILE USING GSM MODEM:..... | Error! Bookmark not defined. |
| AT COMMAND TABLE | Error! Bookmark not defined. |
| CIRCUIT DIAGRAM: | Error! Bookmark not defined. |
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| PROBLEM FACED: | Error! Bookmark not defined. |
| Programming Code of Software “PROCESSING” | Error! Bookmark not defined. |
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