FINAL YEAR PROJECT REPORT

GSM BASED SECURITY MONITORING SYSTEM FOR BUKC

In fulfillment of the requirement
For degree of
BEE (Electronics)

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2013-2017

ACKNOWLEDGEMENTS

We would like to thank everyone who had contributed to the successful completion of this project. We would like to express my gratitude to my research supervisor, ENGR.WAJID ALI KHAN for his invaluable advice, guidance and his enormous patience throughout the development of the research.

In addition, We would also like to express my gratitude to our loving parent and friends who had helped and given me encouragement.

GSM BASED SECURITY MONITORING SYSTEM FOR BAHRIA UNIVERSITY (KARACHI CAMPUS)

ABSTRACT

The objective of this project is to secure institutions of our country, provide complete surveillance to the institutions and provide secure environment to the students who study in these institutions. This report explores different techniques used for the surveillance of the institutions. Different stages involving Alarm system, messages will be sent to desired security agency, shutdown of light on interference, closing of door, taking pictures of the interfered region will be studied and discussed.

This project uses the Ardunio for controlling of sensors and controlling of the other security component which will be turn on after any interference. The main advantage of using this project is to provide complete surveillance and it will reduce human work in surveillance and security of institutions. Different techniques are used to make foolproof surveillance like camera's will take pictures at same time, After trials and errors, a suitable security which have many layers to alert security agencies who can save students in any alarming situation .

The system first proceeds with PIR sensors, if any object is detected in range of PIR sensor, Alarm system will be activated, and a message will be sent through GSM module to desired numbers and at the same moment lights will be cut off inside institution, and all door will be closed at the same moment. Through this whole institution will be secure and security agencies will take action against those who interfere in institution. Recommendations for future development and conclusions are also included in the report.

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