FINAL YEAR PROJECT REPORT

Surveillance Car

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DEDICATION

To our respected parents whose utmost love, care and struggle against all odds brought us to this height of knowledge with the blessings and help of the
ALLAH ALMIGHTY

STATEMENT OF SUBMISSION

A report submitted to the

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in partial fulfillment of the requirements for the

Degree

Bachelor of Science
In

Electrical Engineering

By

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Abstract

In this report working of Surveillance Car is proposed. In this project a machine is made to read and then follow the path provided to it and avoids the collisions get off the path and then returns to it, moreover it SMS the temperature rise in its vicinity. Microcontroller serves as its brain that continuously guide robot. Report describes the major areas relevant to the project. A discussion of the project working as well as component selection and hardware implementation is also present in the report.

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CHAPTER 1

INTRODUCTION

1.1 Motivation

From the very first day of our degree, the most important stuff seemed was the final project. It was the most talked about thing during the course of our study, as the years pass by we came to that point where we had to make something innovative and splendid.

Our earliest motivation was just excitement at the prospect of being given the responsibility of doing a big project. Unfortunately we didn't study the projects related to our project, because our major is in Telecommunication Engineering but final project totally deal with mechatronics world.

As our final year and the inevitable project loomed ever closer, we started consulting teachers as regards to our project advisor. After facing certain problems we concluded under the guidance of Mr. MashoodNasir and Mr. Ali Murtaza. To our delight, we discovered that both of our advisors were also big fan of robotics. Therefore, we approached, and discussed with them the possibility of doing our Final Project under their tutelage. They accepted and became are mentors.

1.2 Aim of Project:

As we started with our final project, we really had no idea about its dimensions. But the reason for which we picked this field of project was to design a machine which can obey our instructions, can follow paths as we define to it and can tackle hurdles. Most important thing which we were reluctant to do was to make it intelligent enough so that at some stage machine could be capable of making its own decisions depending on the instructions already stored in it.