**CHAPTER 1**

**INTRODUCTION**

Gjgs

Sc

**CHAPTER 2**

**LITERATURE SURVEY**

**CHAPTER 3**

**IMPLEMENTATION**

Objectives

Block diagram

Hardware

Robot body:

Electronic circuit:

Software

IDE:

Arduino is utilized for the purpose of editing and compiling code. The code is composed in separate files with extensions such as .c, .cpp, and .h. The Arduino IDE (Integrated Development Environment) is a software application that provides a user-friendly platform for writing, editing, and compiling code for Arduino boards. It is designed to simplify the process of programming Arduino microcontrollers and allows users to create interactive projects without the need for extensive knowledge of programming languages.

Some key features are: The IDE provides a text editor where you can write your Arduino code. It includes syntax highlighting, auto-indentation, and code suggestions to assist you in writing clean and error-free code. Once you have written your code, the IDE allows you to compile it into machine language that can be understood by the Arduino board. It checks for syntax errors and provides feedback on any compilation issues.

Code:

1163 lines

Working principles

Observation results

**CHAPTER 4**

**ADVANTAGES AND DISADVANTAGES**

ADVANTAGES

DISADVANTAGES

**CHAPTER 5**

**APPLICATIONS of ECR**

**CHAPTER 6**

**CONCLUSION AND FUTURE SCOPE**

References