**MIN PROJECT**

(2020-2021)

**IOT based Fire Fighting Robot**

**MID-TERM REPORT**



**Institute of Engineering & Technology**

**Department of Computer Engineering & Application**

**Team Members**

NITISH KUMAR

(181500437)

VIKAS YADAV

(181500791)

RANJAN KUMAR

(181500557)

**Supervised By**

Mr. Mandeep Singh (Technical trainer)

**DEPARTMENT OF COMPUTER ENGINEERING AND APPLICATIONS, GLA UNIVERSITY, MATHURA**

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**Chapter 1**

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**Chapter 2**

**INTRODUCTION**

**2.1Motivation and Overview**

Internet of Things is a field of technology that describes the network of various “things” that is physical objects that are all embedded with different sensors, that are destined to measure various things or parameters such as distance and presence of flame. It also has the ability to transfer over a network using technologies like Cloud computing and fog computing. Now days firing activity are much unpredictable and very difficult to control so, this type of iot based robot can make thing easy.

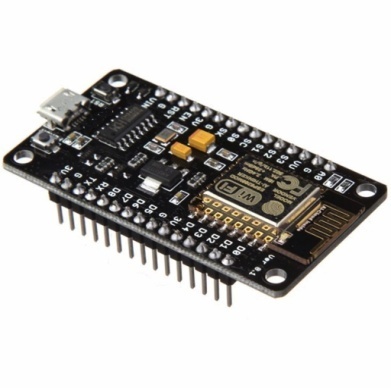
* 1. **Objective**

The fire fighting Robot is an intelligent safety management and monitoring system. The basic objective of this project is made to develop a system model. It monitors and keep a look over the place in which it is installed using sensors.

* 1. **Scope**
* Design a fire fighting robot using numerical approach.
* Select the suitable material to develop the robot.
* The developing of programming is necessary to develop a mechanism of the robot.

**Chapter 3**

**Component:-**

Node mcu esp8266 Ultrasonic sensor

Flame sensorServo motor

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Mini water pump Bo motor

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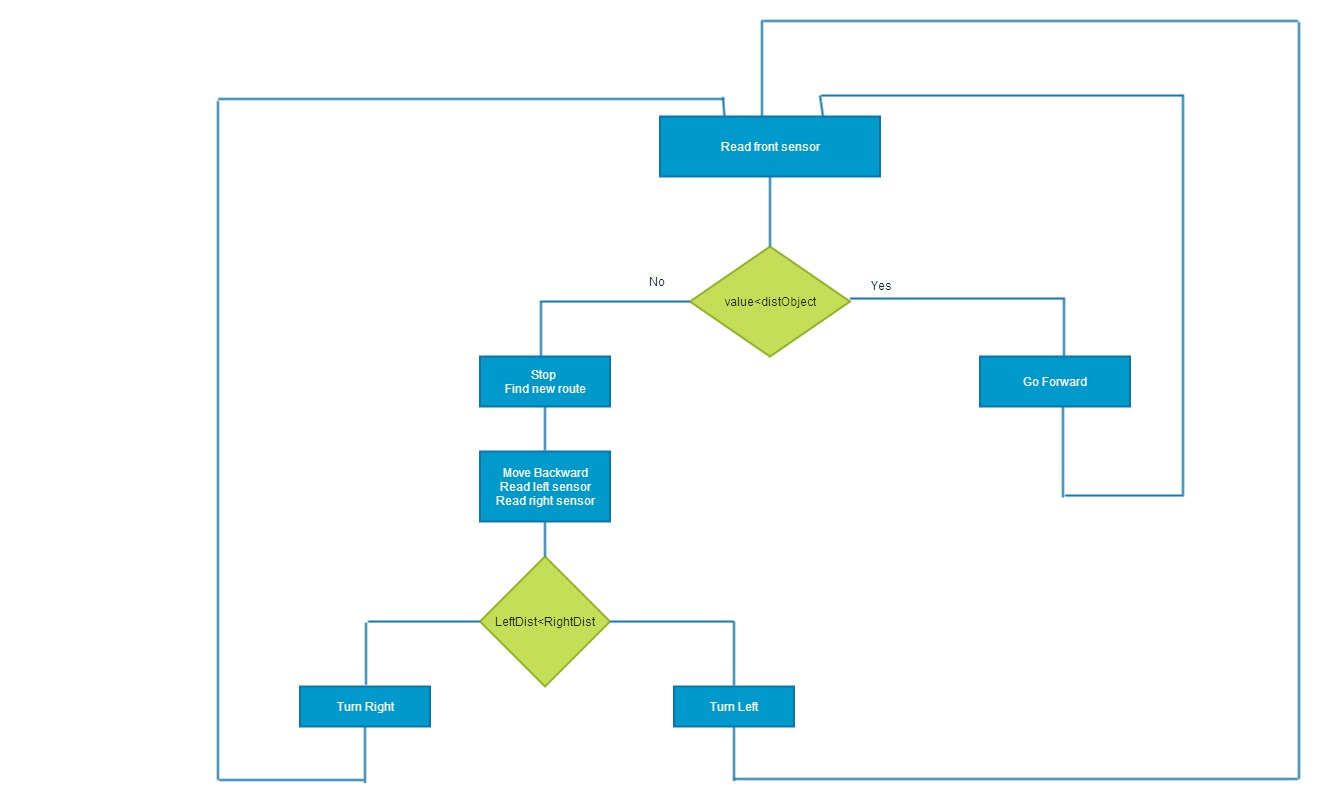
L293d motor driver

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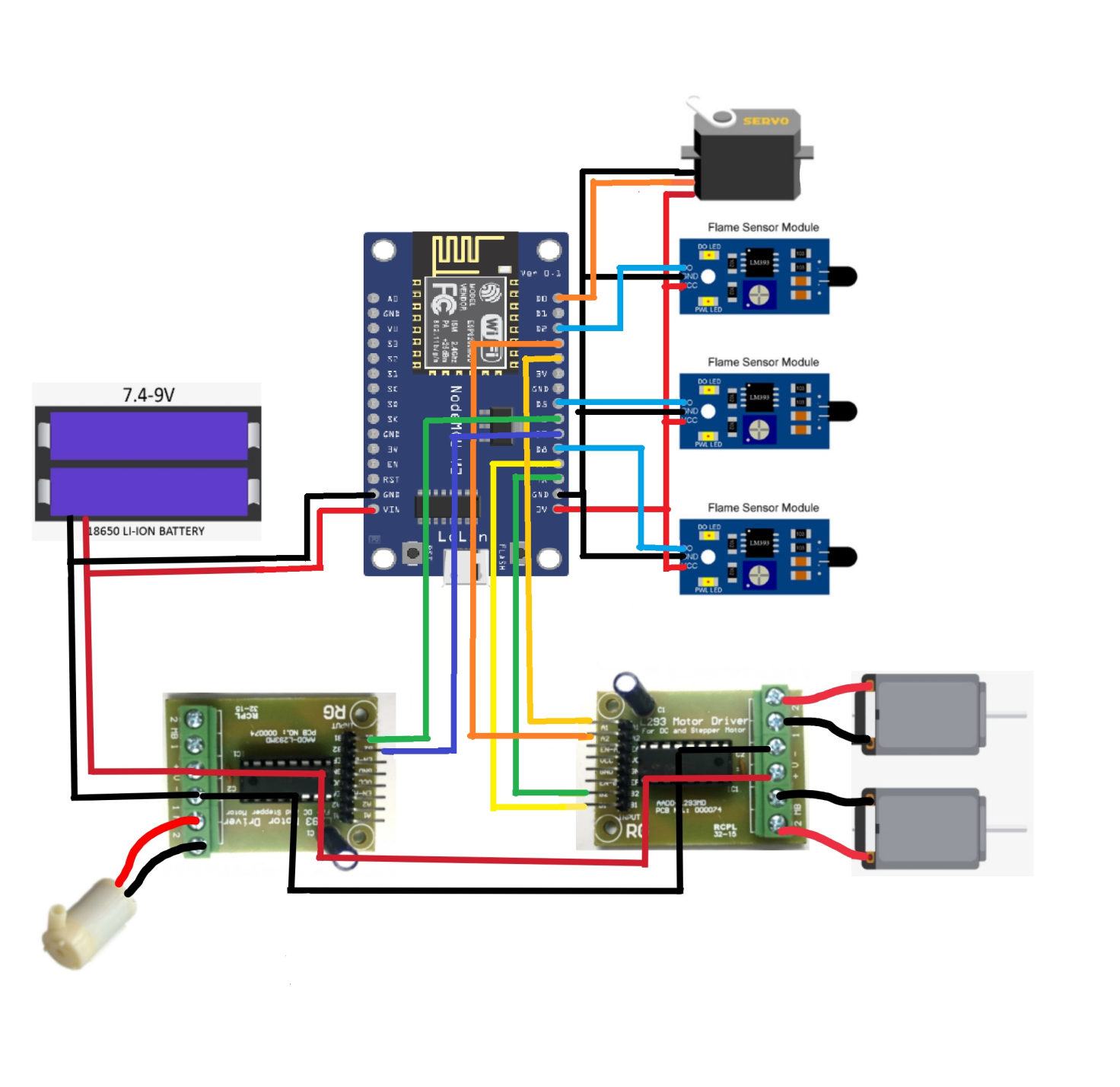
**Chapter 4**

**Working model and result analysis**

**ALGORITHM**

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**Pin Diagram**

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Problems

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