

## Title:

WHAT TO INCLUDE IN THE THE POSTER?

Wasefi Asif

## Table of contents:

### TABLE OF CONTENTS

<b>TITLE:</b>	<b>WHAT TO INCLUDE IN THE THE POSTER?</b>	<b>1</b>
<b>TABLE OF CONTENTS:</b>		<b>1</b>
<b>INTRO</b>		<b>1</b>
<b>MATERIALS AND METHODS</b>		<b>1</b>
INTRODUCTION		2
<i>Choosing the title</i>		2
<i>Objectives</i>		2
WORKFLOW		2
<i>Server</i>		2
<i>nodeMCU</i>		2
<i>Distance sensor</i>		2
<i>RC car</i>		2
RESULTS		2
<i>Reliability of the connection</i>		3
<i>Distance calculation</i>		3
CONCLUSIONS		3
ACKNOWLEDGEMENTS		3

## Intro

In this part of the project we would like to come up with a few ideas on how to make a suitable poster which fits well in the eyes of audience. Which sections of information is necessary to be included? What auxiliary information should also be shown?

## Materials and Methods

We might need to agree on a few essential parts of the poster under which the information has to be brainstormed upon. As of now we think the necessary sections are: introduction, workflow, results, conclusion and acknowledgements.

## Introduction

In this part we would have to give the audience a broad view of what our project is about. We also might include what we would like to achieve by conducting this experiment as a whole. Also good to mention is why this particular concept is relevant to the audience when it comes to real-life situations.

### Choosing the title

We should brainstorm on the potential titles of the project. This should be considered in according with the type of audience we expect. For our project the audience is mostly young, (post)graduate students and professors in fields of science mostly. The title should have scientific and formal terms. For example road traffic balancing system might be a title to start with. The title need not to be too simple to understand. The project is considered to be a prototype for a real-life problem, so the titles could be better the real-life reflection.

### Objectives

Here we might have to explain which problems might be solved with this project. This is the most significant part to mention. We must try to attract the audience by relating these objective to their situations, lifestyles etc. For example we would like to help solve the problem of traffic congestion in a better way.

## Workflow

Here we would like to explain how the whole project was practically realized. We need to make sure this section is brought to the audience in an understandable order. By this we mean a logical series of tasks which were necessary to achieve the end result. Of course we would want to avoid substantial information because less is more when it comes to reading texts. Bringing up images make the explanations yet easier. We should also mention how difficult or easy it was to put together the pieces needed to make the whole project work.

### Server

Here we give the audience the idea that a central server is needed to control the flow of the movements of the cars. It is sufficient to convince them that a centralized mechanism is needed. We might want to avoid explaining in details why we have chosen one server over another.

### nodeMCU

The audience have to know how the connection between the RC cars and server takes places. So we should mention this chip has helped to solve the problem. It is worth saying that the chip needed to be programmed so that it could be tailored to our needs.

### Distance sensor

The audience must know that the distance change between the cars is fed to the nodeMCU which in turn sends it to the server. The server then replies with a suitable answer.

### RC car

It is worth mentioning how the RC car works. Which things were manipulated in the cars during the construction of the final result. We could explain the main aspects and parts in the machinery of the cars. But giving out too many details can be confusing.

## Results

We have already explained how the experiment was conducted. Here we discuss the results in an orderly fashion. Giving out too many figures and numbers might confuse the audience and lead them on a different path. Only the most useful results should be shown in a well summarized way.

### **Reliability of the connection**

We might present some graphs or numbers to explain how reliable the connection between the cars and the server was. In which range should we work when it comes to distance between the two parties. Is there any significant packet loss. How fast was the communication? Which side of the devices i.e. the cars or the server needed to be bettered?

### **Distance calculation**

Here we should shed some light on how good distance sensors did their job. Could they have been better? How accurate were the distances measured? In which range do these sensors work reliably?

### **Conclusions**

Here we might want to compare the achieved results with the goals we had in mind. We would like to explain if these results translate well in real-life. Or could we have done the experiment in other ways which would have given us more relevant results.

### **Acknowledgements**

This sections needs to be short with the names of the people, organizations, etc. which have contributed to this project.