

Team Eugenio 4635 Engineering Documentation

FRC 2015 Recycle Rush

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INTRODUCTION

This document explains all the engineering related work done by Team Eugenio 4635 during the build season of the First Robotics Competition 2015 challenge Recycle Rush.

Here are some examples on how to use L^AT_EX:

- Here's a bullet.
- Here's another one.

This is how you place a table:

1	2	3
4	5	6
7	8	9

You can insert code like this:

```
for (int i=0; i<10; i++){  
    System.out.println("Hello_World");  
}
```

Here's a figure:



Figure 1. Caption goes here.

This is how you insert a hyperlink link to Google.com

I. TASK DEFINITION

Definition of the specific tasks in which the team was working on during the build season, and the tasks that they will have to accomplish during the regional.

II. PLANNING AND DESIGN

Description of the team's organizational structure and the individual engineering roles taken by the team members. General description about the robot's design focusing on functionality. Include schedules and deadlines. Relate every taken decision about the design with some goal relevant to the task.

A. Hardware

Detailed description about the robot's mechanical and electrical systems, including all physical components and some arguments that justify the decision of implementing those systems over any other one. Also include diagrams that show the robot's mechanisms and circuits.

B. Software

Detailed description about the robot's programming, including the code's general structure and some arguments that justify the implementation of the techniques or paradigms present in that code.

III. DEVELOPMENT

Description about the process of actually making the robot. Justify the hardware and software tools that were used. State some of the main challenges and the way you managed to overcome them.

IV. EVALUATION

Evaluate the engineering team's outcome and its overall performance. Give the specifications and capabilities of the robot. State the team's strengths, weakness, opportunities, and threats (SWOT).

V. CONCLUSION

See you at the competition!

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VI. APPENDIX

Some text for the appendix.

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