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# Standard Robot

## Analysis of Other Teams’ Standard Robots (5)

## Overview of Robot Functions (10)



## Core Robot Parameters (5)



## Design Scheme (50)

### Mechanical Structure



### Hardware



### Software



### Algorithm



### Other

## R&D Iteration (20)

### Version Iteration Record

| Version or Phase | Detailed Description of Function or Performance | Completion Time |
| --- | --- | --- |
| V1.0 |  | 2022.3.18 |
| V1.1 |  | 2022.4.2 |
|  |  |  |
|  |  |  |
|  |  |  |

### Important Issues and Solutions

| NO. | Issue Description | Root Cause | Solution & Effect | Robot Version or Phase | Person in Charge |
| --- | --- | --- | --- | --- | --- |
| 1 | 10 out of 100 rounds of projectiles launched by the Standard Robot at a speed of 25m/s will deviate from the ballistic trajectory by 15°±5°. |  |  | V1.0 | Mechanical Engineer: xxxHardware Engineer: xxxEmbedded Software Engineer: xxx |
|  |  |  |  |  |  |
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## Member Contribution (5)

| Name | Basic Information(Major, Grade, Role) | Main Responsibilities | Contribution(The total contribution of all members is 100%) |
| --- | --- | --- | --- |
| John | Computer science and technology, sophomore, software development lead | Responsible for the embedded system development of the entire robot, including chassis control, PTZ control, embedded environment development of the vision system, etc. | 30% |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## References (5)

# Sentry Robot

# Hero Robot

# Engineer Robot

# Aerial Robot

# Dart System

# Radar

