**FUTURE ENGINEERS**

**Technical Description Paper**

**TEAM INFORMATION**

**TEAM NAME:**

**COUNTRY / REGION:**

**CATEGORY:**

**Has your team read the 2021 FUTURE ENGINEERS Category rules?**

* YES
* NO

By selecting “Yes”, you confirm that you have read the rules for competition, you understand them and agree to fully comply with them. These can be found at the official website (https://wro-association.org/competition/general-rules-2022/). If in doubt, please access the site and download the latest one.

**The Participants Name and their Technical Role:**

What are the roles of each team member? Please indicate each team member's name and their role. We would like to know how you contributed to the project as a team member.

* 1°MEMBER:
* 2°MEMBER:
* 3°MEMBER:

**Technical Information**

**Micro-controller:**

Indicate the name and kind of controller(s) you are using:

**Overview:**

Please describe your robot and its parts explaining what they are used for. (add photos)

**Mechanical Innovation:**

All the ingenuity that the team made to realize difficult movements of the robot, such as moving smoothly, keeping balance, grasping objects, and so on.

**Sensors:**

Which sensors are you using? For example: Touch, Light, Sound, Rotation, Shaft encoder, Compass, Proximity, Ultrasound, Color, Compass, etc.

**Programming Language:**

What programming language(s) are you using? Why did you choose thi programming language?

**The Highlight:**

The point (robot or code), that you are most proud of and want the audience and judges to show. The most important part of your project.

**Challenges and Difficulties:**

What challenges and difficulties the team has had? Did you overcome them? If so, how?

**Photos and Images of the robot(s):**

If there is a design drawing of the robot or if you have photos or notes of the development process, please provide them. Those will be useful to show and proof team's activities. If you would send photos or some documents, please make them fit within five sheets of A4 size paper.

**Main code for robot(s):**

Please attach the latest version of your code for each of the robot(s). The code is allowed to be modified after submission and will not be used during the judging process, only to inform the judges of the team’s skill level and the programming language.