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# ROBOTAC 2024

## Mission 3 Non-bionic Robot Dash

### 1. Highlights

a) In this mission, a robot scores by passing obstacles and enter the upland of the opponent team.

b) Each game is two minutes long.

c) Winner determination

A robot enters the upland of the opponent team.

If neither team is able to enter the opponent's upland, the team with the robot closer to the opponent's upland wins. If the distances are the same, the team with less robot weight wins.

### 2. Game Field

Game field and props described in ROBOCON 2024 Game Rules are used.

### 3. Robots

Each team can have one non-bionic robot to participate in this mission. A health bar can be installed on the robot or not.

Detailed requirements on the robots can be found in the ROBOTAC 2024 Game Rules.

### 4. Teams

a) Undergraduate, vocational colleges, high schools, and vocational schools in China are allowed to form teams to participate in the competition. The proportion of international students among the team members should not be less than 60%, and cross school teams are allowed;

b) Overseas universities can form teams to participate in the competition, and cross school teams are allowed.

c) Each team can have one international graduate student.

d) Each team can have up to 6 members and 2 faculty advisors. Up to 2 team members can participate in a game.

e) Operators must stay in the operator zone during the game.

### 5. Game

Prior to start, both teams have one minute to prepare their robots in respective start zones. The robots may be powered on. The robots are not allowed out of the start zone.

The referee system starts the by whistle, and robots start from their respective

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start zones. Start before the whistle is prohibited. A second false start in the game, regardless of which team has the first false start, will result in disqualification.

The goal of the robot is to enter the opponent's upland. This can be achieved by directly entering the upland, or defeat the opponent robot and then enter the upland.

When a robot moves out of the game field border, the team will be ruled to lose the game.

Retry is prohibited after the game starts. If a robot malfunctions or loses control, it is disqualified. For safety, the referee can order the power off and removal of a robot from the game field.

Please refer to Robotac 2024 Game Rules for additional information.

## **6. Others**

a) Referees have the right to make rulings for any action not specified in the rules. In case of a dispute, the decision of the chief referee is final.

b) Please check the official website <http://www.robotac.cn> for latest version of game rules.

c) FAQs are available at <http://ask.robotac.cn>(You need to obtain the login account from the organizing committee)

d) The organizing committee reserves the right for final explanation to the rules.

