

WRS2020 Junior Category School Robot Challenge

Competition Details

June 4th, 2021

- **Introduction**
- **School Robot Challenge's Specific Features in 2021**
- **Focus on Collaboration**
- **Pairing of Collaboration Teams**
- **Collaboration Support**
- **Competition Schedule (plan)**

Thank you for applying for the WRS2020 Junior Category School Robot Challenge in 2021!

This document aims to help teams understand specific features of WRS2020 Junior Category School Robot Challenge.

It provides the information about:

- **School Robot Challenge's focus on collaboration**
- **Online competition process during the preparation stage and the competition.**
- **Support provided during the preparation stage and the competition.**

We hope it helps you clarify any questions you may have regarding the participation in the School Robot Challenge!

Following features are specific to WRS2020!

- ***Focus on Collaboration:*** two teams from different countries are paired up two months before the competition to work together in solving problems.
- **The competition will be held 100% online.**

The School Robot Challenge aims to create an opportunity for junior teams to learn to collaborate with people from different countries to broaden and deepen their perspectives and understanding of global collaboration.



To achieve this, we focus on **“Collaboration”**.

Two teams will form a joint team and collaborate to solve problems of their choice. We hope this helps teams to enhance their skills in communicating, negotiating, listening and understanding, embracing each others’ strengths and supporting each others’ weaknesses, etc. to become leaders of the future.

Each collaboration team will participate in the competition.

Collaboration Teams will be formed based on the following criteria:

- **Access to Pepper (Do one of the teams have access to Pepper?)**
- **Location of teams (Are the teams in the same time zone? Can they collaborate in reasonable hours?)**
- **Age of team members (Are the team members from each team similar age?)**

- **Beginner Workshop**

Teams with no experience in programming Pepper

The remote workshop covers basic Pepper programming. The workshop will be held before (and after) the kick-off meeting. The workshop will be recorded and made available to everyone during the preparation period.

- **Kick-off meeting**

All teams

The competition details will be presented, the collaborating teams will be introduced. There will be time for collaboration teams to meet. After this meeting, each collaboration team will plan, design and develop solutions independently.

- **Help desk**

All teams

Helpdesk can provide support via a bulletin board system. Teams can post questions and/or problems on the bulletin board, to which helpdesk will respond as soon as possible (within 24 hours).

Contents are subject to change.

- **Progress check meeting for all team**

All teams

During the preparation period, meetings will be held to check the progress of the collaboration teams.

- **Mentor Meeting**

All teams

A meeting for mentors to discuss various ways to support their teams' collaboration.





- **Workshop**

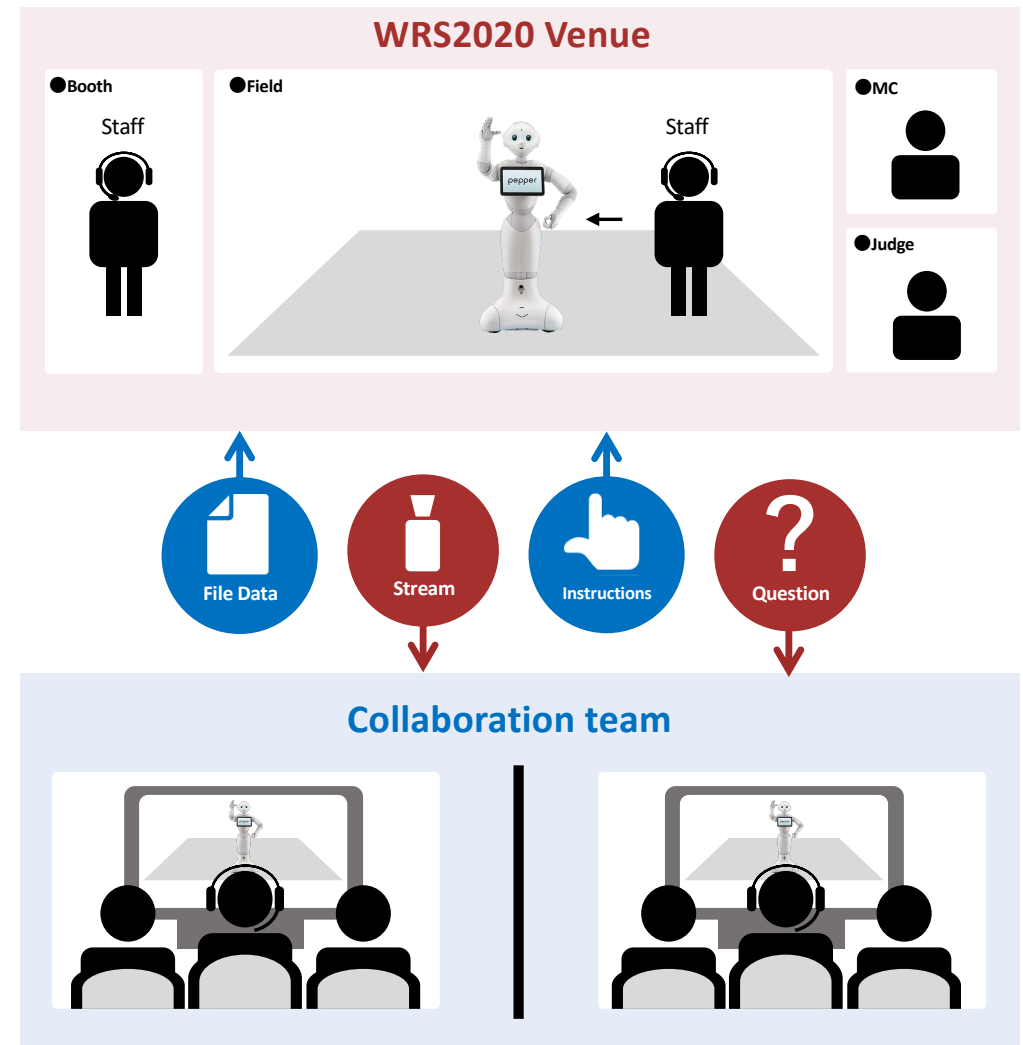
All teams

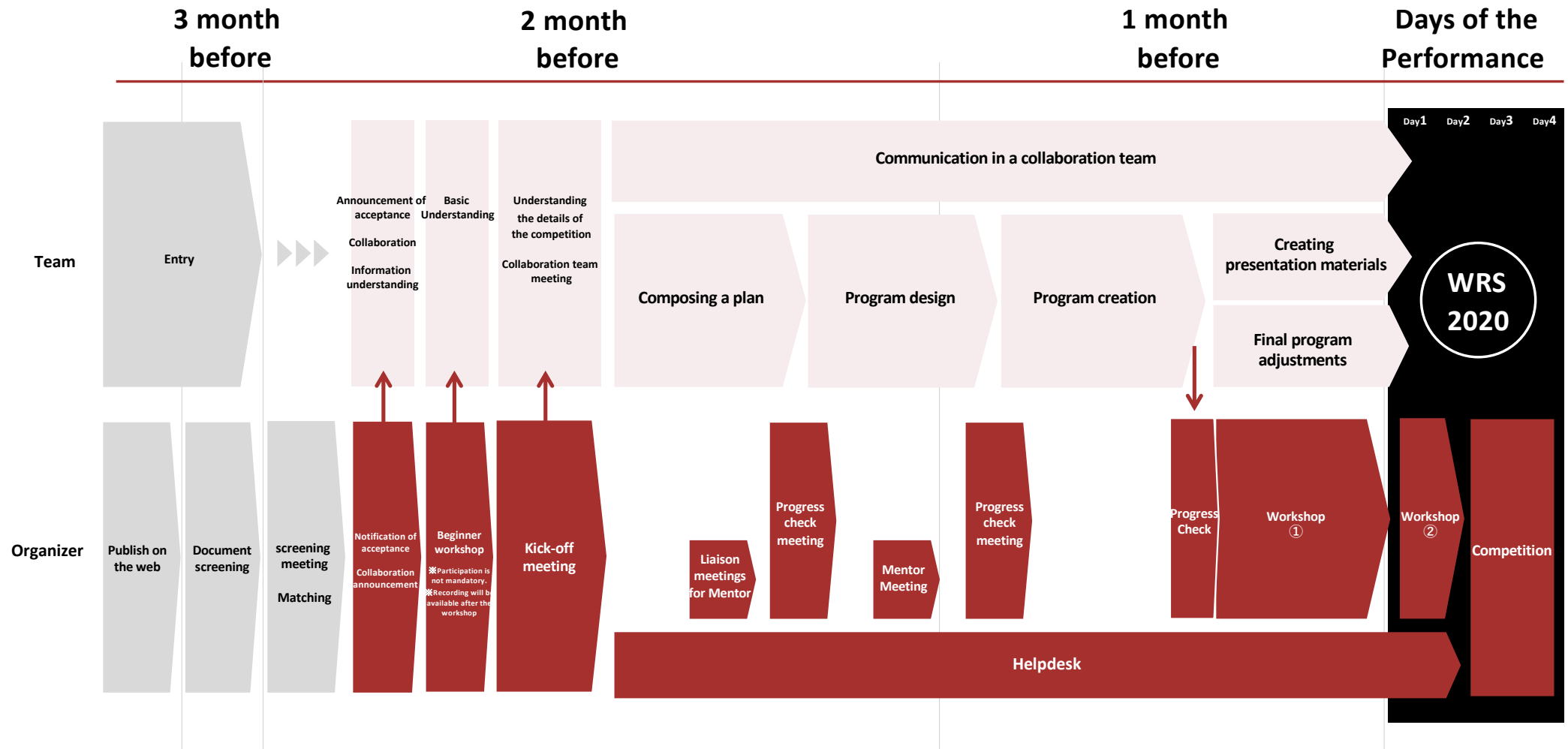
The workshop will provide support for teams in a real competition setting.
 Collaboration teams will be asked to share their program file prior to the competition.
 Pepper support staff will communicate with the team members to provide support during the competition, just like the actual competition. The workshops will be held twice before the competition (refer to the Schedule).

Contents are subject to change.

Teams will participate in the competition remotely following the steps below:

-  A collaboration team upload a file data (Pepper program) to a cloud service.
- ▼
-  Pepper will be operated by the Pepper Support staff for a collaboration team. The team will monitor Pepper's movements on via Zoom.
- ▼
-  Team members will give instructions to the Pepper Support staff so that they can better support the team.
- ▼
-  Pepper Support staff will answer questions from teams.





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