

World Artificial Intelligence Competition for Youth 2022

Official Rulebook

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1. Overview

1.1 About WAICY

The World Artificial Intelligence Competition for Youth (WAICY) invites students worldwide to showcase their knowledge and creative thinking in Artificial Intelligence (AI). The first inaugural WAICY took place in Pittsburgh, Pennsylvania, the United States, on July 28th, 2018, on the campus of Carnegie Mellon University. The competition showcases the impact of artificial intelligence on the future world through the minds of young students.

WAICY <https://www.waicy.org/>

WAICY 2022 Home Page <https://www.waicy.org/waicy-2022-welcome/>

1.2 Location and Time

- **Virtual**
- **December 3rd - 4th, 2022** (8:00 a.m. EDT - 4:00 p.m. EDT)

1.3 Eligibility

- The competition is open to all students around the world, ages **6-18**.
- Students can participate as individuals or as part of a team. Teams can have up to **5** members.
- Participants who submit the project will be on the mailing list automatically. Participants who haven't submitted but want to be notified can register [here](#) to be on the mailing list.
- Each student is only allowed to participate on **one team**.
- The deadline for project submission is **November 21, 2022 at 5:00PM Eastern Time (ET)**.

2. Project Details

2.1 Task

Students will **design** and **demonstrate** how AI can solve real-world problems. The project needs to describe the problem and the envisioned positive impact.

All projects must be submitted through the [Project Submission form](#) with the following requirements:

- Project Name
- Brief description of your project (less or equal than 200 words)
- Explain how your project uses AI (less or equal than 50 words)
- 5 minutes video [See more details in Section 2.1.1]
 - [3-min] Presentation**
 - The presentation should describe the problem, how they use AI, and the envisioned positive impact.
 - Teams should prepare slides or other visual aids for the presentation.
 - [2-min] Demo**
 - There is no limit as to the format of the demonstration.
 - The demo can be a simulation of the solution.
- PPT and other supporting material (optional)
- Submit by the deadline of **November 21, 2022 at 5:00PM Eastern Time (ET)**

Each team that submits successfully will receive an invitation to the Final WAICY Day which recommends participants attend lively to present their works. During WAICY Day, each team needs to prepare for a **10-minute** live presentation.

[3-min] Presentation

- The presentation should describe the problem, how they use AI, and the envisioned positive impact.
- Teams should prepare slides or other visual aids for the presentation.

[2-min] Demo

- There is no limit as to the format of the demonstration.
- The demo can be a simulation of the solution.

[3-4min] Q&A

- The team answers any questions about the presentation or the project demo from the judges.

2.1.1 Project Submission

- Project Name
- Brief description of your project (less or equal than 200 words)
- Explain how your project uses AI (less or equal than 50 words)
- 5 minutes video

[3-min] Presentation

- The presentation should describe the problem, how they use AI, and the envisioned positive impact.
- Teams should prepare slides or other visual aids for the presentation.

[2-min] Demo

- There is no limit as to the format of the demonstration.
- The demo can be a simulation of the solution.

- PPT and other supporting material (optional)
- Submit by the deadline of **November 21, 2022 at 5:00PM Eastern Time (ET)**

Requirements for the presentation:

- The video must not exceed 3 minutes.
- The video must include the entire presentation.
- Visual aids (slides or insertion of other videos) are allowed.
- The video must be in English or subtitled in English.
- All videotaping equipment/formats are allowed.

Requirements for the demo:

- The video must not exceed 2 minutes.
- The video needs to include the entire demonstration.
- Narration and interaction with the demo are allowed.
- The video must be in English or subtitled in English.
- All videotaping equipment/formats are allowed.

2.1.2 WAICY Day

Teams that have successfully submitted their projects by the deadline will receive an invitation to WAICY Day **a week before December 3rd**. This is a two-day event lasting from **December 3rd - 4th** that gives you and your teams a chance to present your projects live to judges as well as other teams. The Guidebook of WAICY Day using the online conference platform will be updated on WAICY 2022 Home Page at the beginning of November.

Live attendance on WAICY Day is **highly encouraged** for this portion but not required. However, those who do not attend will not receive **Q&A performance credits** for their score. Accommodations may be made for those that cannot present projects on WAICY Day but still want to have the Q&A performance credits.

During WAICY Day, each team needs to prepare for a 10-minute live presentation.

[3-min] Presentation

- The presentation should describe the problem, how they use AI, and the envisioned positive impact.

- Teams should prepare slides or other visual aids for the presentation.

[2-min] Demo

- There is no limit as to the format of the demonstration.
- The demo can be a simulation of the solution.

[3-4min] Q&A

- The team answers any questions about the presentation or the project demo from the judges.

2.2 Rubric

The total points for each team will be calculated according to the official Rubric. There will be 100 points, 50 of which fall under the AI criteria, and the other 50 falls under Design and Impact. Teams are encouraged to review the rubric ahead of time to understand the judging criteria.

You can access WAICY 2022 official grading rubric [here](#).

2.3 Awards

1. Certificate of Participation will be awarded to all participants who successfully submit their projects on time.
2. Prizes & Awards will be awarded at 4 p.m. EDT (Dec 4th, 2021)
 - a. Gold, Silver & Bronze awards for the top 3 overall scores in the given grade category
 - b. AI Excellence (highest score in AI & Technical Skills combined)
 - c. Impact Excellence (highest score in Problem Statement, AI Ethics & Presentation, and Communication combined)
 - d. Design Excellence (highest score in Design & Originality and Creativity combined)
 - e. Outstanding Coach Awards
 - f. Outstanding Organization Awards