

# 2024 WIT Creative Technology Competition

## - Coding Contest -

### I Purpose

- Develop creative inventions through innovative ideas and technology to promote the advancement of the latest technology.
- Enhance participants' creativity and invention skills through problem-solving and practical application.
- Understand the importance of teamwork and collaboration by comparing and learning from various inventions through competition and cooperation.

### II Schedule

Category	Date	Details
Competition Overview	2024. 8. 21. (Wednesday)	• wit-world.org
Application Submission	2024. 8. 21. (Wednesday) ~ 2024. 9. 25. (Wednesday)	• Submission of application for participation <a href="https://forms.gle/cJcNc9Mn82t9dPZK8">forms.gle/cJcNc9Mn82t9dPZK8</a>
Qualifying examination (document)	2024.9.25 (Wednesday) ~ 2024.10.9 (Wednesday)	• Gradual assessment of submitted proposals
Duration of the contest	2024.11.02. (Sat) ~ 2024.11.03. (Sun)	• Invited judges will finally evaluate the content of the submitted code.
Awards Ceremony	2024. 11. 3. (Sun)	• Ceremony for awarding the selected winning teams

### III Method and contents of application

- Accepted via online platform
- Required information such as participants' personal data, age, and experience level will be collected.
- For other inquiries, please contact wit202411@gmail.com

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## **IV      Team composition**

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- Maximum number of participants: 4 members per team
- Grade: Junior club (10-13 years old), Senior club (14-19 years old)

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## **V        Competition Format**

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- Explain the rules of the competition and provide materials: Before the competition begins, clearly guide the competition rules, available materials, submission format, etc. It is especially helpful to provide a guide on how to use Scratch and Python.
- Coding Training Sessions: Provide basic coding training sessions for participants before or at the beginning of the competition. It covers basic usage of Scratch and Python, how to configure programming logic, and more.
- Competition Progress: The competition may be held online or offline in certain places.  
Participants solve problems for a limited amount of time, and submit their works.
- Submission and Evaluation of Works: Participants submit their works online. The judges will judge the submitted works according to the evaluation criteria.
- Provide feedback and awards: provide all participants with feedback from judges. Participants with outstanding performances will be awarded through an award ceremony.
- subsequent activities  
Online Gallery - shares participants' works through online galleries or social media to publicize their performance.  
Mentoring Program - operates a mentoring program to help participants continue to learn coding after the competition.

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## **VI       Awards**

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Prize	Number of Teams	Kinds	Participants
Grand prize	2 teams	Award certificate	Team selected by the jury
Gold prize	3 teams	Award certificate	Team selected by the jury
Silver prize	4 teams	Award certificate	Team selected by the jury
Bronze prize	5 teams	Award certificate	Team selected by the jury
Participation prize	7 team	Award certificate	Team selected by the jury

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## VII

### Evaluation Criteria

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- Problem-solving ability (40 points)  
Understanding of the problem presented and the appropriateness of the approach to solving the problem.  
Efficiency and logic of algorithms for problem solving.
- Code efficiency and readability (30 points)  
Optimization in terms of how efficiently the code was written, execution time and memory usage.  
The readability of the code, whether the use of appropriate variable names and annotations makes it easier for others to understand the code.
- Creativity and Innovation (20 points)  
Whether a creative and creative approach was used in the problem-solving process.  
Novelty and improvements compared to existing solutions.
- Accuracy and completeness of execution results (10 points)  
Whether the submitted program accurately solves the presented problem and outputs the correct results in all test cases.  
Completion of the project, handling of exceptions that may occur during execution.

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## VIII

### 1. Evaluation Method and Precautions

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- Utilize an online coding platform: Utilize an online coding platform that allows participants to automatically run a test case to evaluate its accuracy when they submit their code. This simplifies and standardizes the accuracy evaluation of the execution results.
- Code Review Session: A judge or mentor will review the participants' codes directly, evaluating code efficiency, readability, creativity, and more. Participants can be asked for additional explanations as needed
- Provide feedback: provide all participants with specific feedback, along with the evaluation of the judges. This will help participants understand their strengths and improvements, and improve their coding skills in the future.
- Ensuring fairness: Ensure fairness in evaluating all participants by hiding their personal information from the screening process and evaluating them based solely on code.