AI Agents Global Challenge – (“AAGC”)

2024

Detailed Guidelines

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# Introduction

## Overview and Objective

The AI Agents Global Challenge (“AAGC”) is a global challenge that invites AI developers worldwide to compete on developing AI agents in various fields. This challenge aims to inspire innovation in the AI agents field and accelerate responsible use of agents.

## Geographical Scope

The AAGC transcends borders, welcoming diverse perspectives from every corner of the Earth. The challenge aims to ignite a global brainstorm, melting down ideas to forge groundbreaking AI solutions.

## Fields Scope

Applicants competing in AAGC can develop their ideas to target any field, below are some examples (but not limited to them):

* Healthcare
* Finance
* Education
* Productivity
* Transportation & Logistics
* Entertainment and Media
* Retail and E-Commerce
* Law
* Environment
* Cybersecurity
* Industry

## Problem Definition

An AI Agent is a designed system or program capable of autonomous action, making decisions and executing the given tasks to fulfill the predefined goals within its environment or industry. Nowadays, AI agents can be found across many applications, from virtual assistants to robots. However, many AI agent models require humans to ensure proper functioning, especially in complex real-world tasks. This makes the AI agent models less reliable and smarter than they should be.

The goal of this challenge is to boost the ongoing development and overcome the issue stated above by making AI agents more capable of handling complex real-world tasks. This challenge can instigate a willingness to improve and push each participant to enhance their AI agent’s abilities. During this challenge, the participants can choose (but do not have to) a specific real-world task, encouraging creativity and focused problem-solving AI agents.

# General Rules

## Binding Agreement

Please carefully review this document before joining the AAGC challenge. This is a detailed guideline which includes the rules.

To participate, the participant must fully comprehend and agree to these rules. Without the agreement, participants cannot submit entries or qualify for prizes associated with the AAGC. These rules create a legally binding agreement between the participant, the challenge organizer.

## Eligibility

To be eligible to enter the AAGC challenge, the participant must be:

* 18 years old or older based on the participant's jurisdiction of residence.
* Not a resident of Crimea, Donetsk People’s Republic, Luhansk People’s Republic, Cuba, Iran, Syria, or North Korea.
* Not a person or representative of an entity under U.S. export controls or sanctions (see https://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx)

If a participant is entering on behalf of a company, school or organization, or representing an employer, these rules apply to both the participant individually and the entity the participant represents. If a participant enters the challenge as an employee, contractor, or agent of another party, the participant must have permission to participate in the AAGC challenge.

The AAGC sponsor has the right to check eligibility and settle disputes at any time. Providing false information regarding the identity, residence, contact information, or other required information may lead to immediate disqualification.

Unless specified otherwise in this document or restricted by the internal policies of the challenge entities, employees, interns, contractors, officers, and directors of the challenge entities can enter and take part in the challenge. Still, they are not eligible to win any prizes.

Challenge entities include the AAGC sponsor, along with their parent, subsidiaries, and affiliate companies.

## Sponsor and Challenge Website

MM01 AI, a technology company based in London (UK), hosts, organizes, and sponsors this challenge. For more information regarding the organizers, judges, and the challenge, please see the challenge website (link to the website).

## Teams

Participants can join as individuals or form teams representing academic institutions, businesses, or groups of individuals. Each team can submit a maximum of one entry, and each participant can only join only one team in the challenge.

### Team Limits

In the AAGC challenge, there is no maximum number of members for each participating team.

### Team Mergers

Team mergers are allowed. However, make sure that a team is limited to one submission. Therefore, if a team merges with another team or individual, the team must choose the preferred submission. Merged teams with more than one submission by the deadline will be disqualified.

## Timeline

The challenge timeline is subject to change because the organizer may add additional milestones during the challenge period. Any updates to the timeline will be announced on the challenge website. It is the participant's responsibility to stay informed of the timeline changes and determine the corresponding time zone of the timelines based on the participant’s location.

|  |  |  |
| --- | --- | --- |
| Milestone | Date | Details |
| Submission Deadline | July 1, 2024 | The last day for the application submission. |
| Applications Review | July 2 - August 31, 2024 | AAGC judges review the applications to choose the top 50 finalists. |
| Top 50 Finalists Announcement | September 2, 2024 | The top 50 finalists are officially announced. |
| Refinement Phase | September 3 - October 31, 2024 | The top 50 finalists refine their applications. |
| Second Round Applications Review | November 1 - December 14, 2024 | AAGC judges review the applications to choose the top 20 winners. |
| Top 20 Winners Announcement and Award Ceremony | December 16, 2024 | The top 20 finalists are announced, and the prizes awarded. |

## Challenge Entry

There is **NO FEE** to enter or win the AAGC challenge. To enter the challenge, the participant needs to register on the challenge website and follow the provided instructions for submitting the entry. Participants need to ensure that the submission meets the specified format and requirements based on the website and submit it before the deadline.

## Code of Conduct

### Integrity

Participants are restricted from plagiarism, fraud, and any form of dishonesty. All submitted work must be original, and participants must authentically represent their skills and outcomes.

Falsification of results, misrepresentation of capabilities, and any deceptive practices are strictly prohibited.

### Collaboration

While collaboration is encouraged, participants must ensure that it remains fair and within ethical boundaries. Unfair collaboration such as the below is prohibited:

* Sharing code during the challenge
* Submitting identical or highly similar programs
* Colluding for an unfair advantage

### Confidentiality

Participants must follow specific rules regarding their utilization and disclosure if they use confidential data or tools during the challenge.

### Conduct

Professional behavior is expected of all participants throughout the challenge. This extends to respectful communication, adherence to challenge rules, and a positive environment. The same standards apply to any forums, discussions, or community platforms related to the challenge.

Harassment, discrimination, or disrespectful behavior will not be tolerated. Participants must diligently follow the guidelines set by the organizers, including the challenge timeline, submission format, and any additional specified rules.

## Judges

The challenge will be evaluated by a panel of distinguished judges who are experts in the field of AI, scientists, and tech entrepreneurs. These judges bring extensive experience and knowledge to ensure a fair and thorough evaluation process. The judging process aims to uphold the highest standards of fairness, integrity, and expertise in assessing submissions.

All decisions made by the judging panel are final and binding. The criteria for evaluation can be found in section [2.10. Evaluation Criteria](#_heading=h.3whwml4). Participants must adhere to the rules and guidelines outlined in the challenge guidelines. Decisions will be communicated to participants on time following the judging process.

## Dispute Resolution

If there are disputes or disagreements regarding the judging process or challenge results, there is a specific process to resolve them. Participants are encouraged to raise concerns formally through the challenge website contact channels. The resolution process will be fair, transparent, and impartial to ensure a satisfactory outcome for everyone involved.

## Evaluation Criteria

This section outlines the key criteria for assessing participants' submissions. The criteria provide a comprehensive evaluation framework to ensure a thorough and fair assessment of the AI solutions presented.

#### Accuracy

This criterion evaluates the precision and correctness of the AI solutions. It assesses how accurately the models achieve their objectives, emphasizing the importance of reliable and precise outcomes.

#### Complexity

Complexity measures the sophistication and intricacy of the developed AI models. It considers the depth of algorithms, the solution architecture's intricacy, and the submitted models' overall complexity.

#### Creativity

Creativity assesses the originality and innovative aspects of AI solutions. It evaluates how creatively participants have approached and addressed the challenges presented in the challenge, encouraging inventive problem-solving.

#### Efficiency

Efficiency gauges the computational effectiveness of the AI models. It considers the optimization of resources, speed of execution, and overall efficiency in achieving the desired outcomes.

#### Adaptability

The AI agent model must have the capability to adapt to various real-world scenarios. This will evaluate the agent's performance, how it can provide solutions across different conditions and their ability to handle unexpected events.

#### Usability

The AI agent model must have the capability to be easily replicated, allowing the judges to reproduce the same outcomes from the provided documentation and code.

## Determining Winners

Each entry will be evaluated and ranked using the stated criteria in the [2.10. Evaluation Criteria](#_heading=h.3whwml4) section above.

The finalists and winners will be notified by email.

## Prize Eligibility

To qualify for prizes, teams must complete the registration process. The prize distribution procedure involves recipients providing information that may allow their identification, individually or as an organization. Each registered team supplies the necessary information to disburse prizes. The organizers will email the primary contact of the winning teams. AAGC is not accountable for disbursing prizes to team members other than the primary contact/organization.

Participants are also responsible for any taxes or legal issues related to the receipt of prizes.

## Prize List

### Cash Awards

Cash prizes are for the top 20 best-performing teams in the AAGC. The total prizes available are up to $1 million. These rewards will be given based on the [2.10. Evaluation Details](#_heading=h.3whwml4) criteria.

The cash prize distribution for the AAGC challenge is as follows:

|  |  |
| --- | --- |
| **Top Finalist** | **Prize** |
| 1st | $ 500,000 |
| 2nd | $ 200,000 |
| 3rd | $ 100,000 |
| 4th | $ 30,000 |
| 5th-10th | $ 20,000 |
| 11th-20th | $ 5,000 |

Recipients of cash awards may be subject to taxes, and participants are responsible for addressing taxes.

### Further Recognition

There will be specific recognition also for the following:

* Best Agent Business Model: Awarded for the most viable and innovative business model of an AI agent.
* Most Innovative Use of AI: Recognizing the most creative and groundbreaking use of artificial intelligence in agent design.
* Best Technical Achievement: For the team or individual that achieves a breakthrough in AI technology or methodology.
* Best Design: Awarded to the agent with the most effective, user-friendly, and aesthetically pleasing design.
* Impact Award: Given to the agent that shows the most potential or actual impact in solving real-world problems, particularly in critical areas like healthcare, education, or environmental sustainability.
* Best Scalability: For the agent that shows the most promise in terms of scalability and adaptability to various contexts or markets.

### Further Funding

Besides cash rewards, promising AI agents can receive further funding. This funding is designed to fund and support the continued development of innovative AI solutions. The funding allocation will be based on the potential impact and promise demonstrated by the participating teams. The specifics of the funding distribution process will be communicated to the deserving teams.

## Privacy

The participant must acknowledge and agree that the challenge and organizer may collect, store, share, and use personal information provided during the challenge.

As the controller of all the personal information, the challenge sponsor and organizer agree to comply with all U.S. or foreign data protection about the participant's personal data.

## Publicity and Career Opportunities

Each participant must agree before entering the challenge that the challenge sponsor, organizer, and affiliates may use the participant's name for advertising and promotional purposes without additional compensation unless prohibited by law.

Winners of the AAGC can expect great visibility and career opportunities. Top-performing teams will be showcased in industry publications and recognized at major AI conferences. The challenge will also open doors for career growth, offering internships, jobs, and possible collaboration with leading AI companies.

# Challenge Specific Rules

## Challenge Format

### AAGC Structure

The challenge will have two phases:

* Selection
* Finalists
* Winners
  + - 1. Selection Phase

The selection phase starts off immediately after team submissions on July 2, 2024. During this phase, all team applications undergo evaluation.

* + - 1. Finalists Phase

The top 50 finalists chosen in the selection phase will have a period of time to improve/refine their applications from September 2 to October 30, 2024. After that, they must submit their updated applications to compete for a spot in the top 20 winners.

* + - 1. Award Ceremony

The announcement of the top 20 winners is scheduled for December 16, 2024. The top 20 finalists will present their projects in this phase with live demonstrations.

## Technical Rules

### Development Platform

Participants in the challenge can select their preferred development platforms and tools, promoting a creative and diverse environment for AI agent creation. By no means you are required to use any specific tool mentioned below, this is just a recommendation.

Additional tools like Jupyter Notebooks facilitate transparency in the development process, Docker ensures reproducibility in diverse environments, and additional technologies like Apache Kafka and PySyft contribute to scalability, privacy, and security.

The entries for the challenge may be implemented in various programming languages, including but not limited to C, C++, Java, JavaScript, and Python.

## Submission Form

### Personal Information

**Full Name:**

**Email Address:**

**Phone Number:**

**Organization/Institution (if applicable):**

**Position/Role (if applicable):**

**Country of Residence:**

**LinkedIn Profile (if available):**

**GitHub Profile (if available):**

### Project Information

**Project Title**

**Project Overview:** Briefly describe your AI agent, its objective, and the problem it aims to solve. (Max 200 words)

**Technical Details:** Provide an overview of the technical aspects, algorithms, and technologies used in your AI agent. (Max 300 words)

**Use Cases:** Describe one or more real-world use cases your AI agent addresses. (Max 200 words per use case)

**GitHub Repository Link:** Provide the link to the public GitHub repository containing the code for your AI agent. Ensure that the repository is well-organised and includes a README file with clear instructions.

### Presentation Material

**Slide Deck Link (PDF format):** Share the link to your slide deck detailing the aspects of your AI agent. Please be very concrete! Include milestones and expected output.

# Benefits to AI Community and Participants

## What will the AI Community benefit

1. Inspiring Innovation: By inviting AI developers worldwide to compete in developing AI agents across various fields, the challenge fosters a spirit of innovation. Participants are encouraged to push the boundaries of current technology, thereby driving the advancement of AI capabilities globally.

2. Global Collaboration and Diversity: The challenge transcends borders, welcoming diverse perspectives from every corner of the Earth. This diversity in thought and approach can lead to the development of more robust and innovative AI solutions, as teams from different backgrounds and countries bring their unique insights and experiences.

3. Real-world Problem Solving: The challenge focuses on the application of AI agents to real-world problems, encouraging participants to develop solutions that are not only theoretically sound but also practically viable. This focus helps to bridge the gap between research and practical application, leading to technologies that can be implemented in real-world settings.

4. Advancement of AI Agents: The aim is to make AI agents more capable of handling complex tasks autonomously, reducing reliance on human intervention. This contributes to the evolution of AI agents, making them smarter and more reliable, which is a significant step forward for the AI field.

5. Recognition and Career Opportunities: Winners and notable participants gain visibility and recognition in the AI community. This can lead to career opportunities, further funding for their projects, and collaborations with leading AI companies. Such incentives not only benefit the participants but also contribute to the overall growth and development of the AI sector.

In essence, the AAGC is a significant catalyst for global innovation, collaboration, and advancement in the field of AI, benefiting the community by pushing forward the capabilities and applications of AI agents while ensuring ethical and responsible development.

## What will Participants benefit

1. Innovation and Skill Development: This challenge is a platform to apply and enhance skills in problem-solving, creativity, and technical expertise in AI development.

2. Global Recognition and Visibility: Winning or even participating in such a reputed challenge can significantly enhance the visibility of participants and their work in the global AI community.

3. Career Opportunities: The challenge can open doors to numerous career opportunities. Participants might be offered internships, jobs, or collaborations with leading AI companies. It's a chance to network with professionals and organizations in the AI field.

4. Cash Prizes and Further Funding: The challenge offers substantial cash prizes for the top 20 teams, with a total prize pool of up to $1 million. Additionally, promising AI agents can receive further funding for the continued development of innovative AI solutions.

5. Impactful Work: Participants get to work on real-world problems, potentially contributing to critical areas like healthcare, education, or environmental sustainability. It's an opportunity to make a tangible impact through technological innovation.

6. Community and Collaboration: Participants will be part of a global community, sharing ideas and collaborating with a diverse group of individuals and teams from around the world. This exposure to different perspectives and experiences can be invaluable.