BLOCKCHAIN OLYMPIAD BANGLADESH

Guideline & Evaluation Scheme

for

Artificial Intelligence Category

BCOLBD 2025

Blockchain Olympiad Bangladesh | House 169, 6th Floor, Road No. 3, Mohakhali DOHS, Dhaka-1212, Bangladesh
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AInspire Competition Guidelines and Evaluation Scheme

Submission Guidelines

1. Preliminary Round:

- **White Paper Submission:**
  - **Vision**: Clear description of the problem being addressed and the innovative AI solution proposed.
  - **Scope**: Detailed explanation of the project's scope, objectives, and expected outcomes.
  - **Technical Details**: In-depth discussion on the AI techniques and methodologies to be employed, including algorithms, data sources, and anticipated challenges.
  - **Format:**
    - Maximum of 10 pages, excluding Appendices.
    - Times New Roman, 12 pt, single line spacing.
    - Content must be in English.

2. Final Round:

- **Technical Documentation**: Comprehensive documentation detailing the developed AI models, including architecture, algorithms, data preprocessing, training process, and validation methods.
- **Code Repository**: A well-documented and accessible code repository (e.g., GitHub) showcasing the developed AI models.
- **Demo Video**: A video (maximum 10 minutes) demonstrating the functionality and performance of the AI solution.
- Must be in English or subtitled in English.
- **Live Presentation:**
  - A live presentation of the project, highlighting its potential impact and innovation.
  - Teams must include a 1-minute introduction of each member's responsibilities.
  - Presentation should be in English.

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Evaluation Scheme

Graded Criteria (White Paper)

Projects may be evaluated by a jury of academic, industry, and government experts divided by those with business expertise and technical expertise. The following is a guideline for distributing the point allocations:

CRITERIA	TOTAL
i. Vision & Problem Statement	30
ii. Use Case & Existing Solutions	10
iii. Risks and Challenges	20
iv. Architecture & Infrastructure	30
v. Revenue & Distribution	10
TOTAL	**100**

Recommended Grading Guidelines:

Max Score	Inadequate	Satisfactory	Good	Very Good	Excellent
10	0-2	3-4	5-6	7-8	9-10
15	0-4	5-7	8-10	11-13	14-15
20	0-8	9-11	12-14	15-17	18-20
30	0-11	12-17	18-23	24-26	27-30

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1. Preliminary Round Evaluation:

- White Paper Evaluation (100 points total):
  - **Vision & Problem Statement (30 points):** Clear identification of the problem and the relevance of the AI solution.
  - **Use Case & Existing Solutions (10 points):** Clearly identified use cases with a thorough analysis of current solutions.
  - **Risks and Challenges (20 points):** Comprehensive overview of potential risks and challenges, along with mitigation strategies.
  - **Architecture & Infrastructure (30 points):** Detailed examination of system architecture, infrastructure, and technical specifications.
  - **Revenue & Distribution (10 points):** Feasibility of the proposed solution and its innovative revenue generation and distribution.

2. Final Round Evaluation:

- Technical Documentation & Code Repository and Inference Model (40 points total):
  - **Technical Completeness & Documentation (20 points):** Thorough documentation and complete code repository.
  - **Code Quality & Inference Model (20 points):** Clean, well-commented code and a deployment-ready inference model demonstrating the AI model's functionality and reproducibility.

Scoring Guidelines:

Max Score	Inadequate	Satisfactory	Good	Very Good	Excellent
20	0-8	9-11	12-14	15-17	18-20

- Demo Video (30 points total:
  - **Functionality Demonstration (15 points):** Clear demonstration of AI solution's functionality and performance.
  - **Presentation Quality (15 points):** Professional and engaging presentation, clarity in explanations.

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Scoring Guidelines:

Max Score	Inadequate	Satisfactory	Good	Very Good	Excellent
15	0-4	5-7	8-10	11-13	14-15

- Live Presentation (30 points total):
  - **Impact & Innovation (15 points):** The potential impact of the AI solution and its innovative aspects.
  - **Presentation Delivery (15 points):** Clarity, engagement, and professionalism in delivery.

Scoring Guidelines:

Max Score	Inadequate	Satisfactory	Good	Very Good	Excellent
15	0-4	5-7	8-10	11-13	14-15

Evaluation Considerations:

1. Vision & Problem Statement:
   - Is the problem clearly identified and well-articulated?
   - Does the vision align with contemporary challenges and needs?

2. Scope & Objectives:
   - Are the project's scope and objectives realistic and achievable?
   - Is there a clear path to achieving the stated goals?

3. Technical Depth:
   - Are the AI techniques and methodologies appropriate for the problem?
   - Is there a detailed and accurate explanation of the technical aspects?

4. Feasibility & Innovation:
   - Is the solution feasible within the given constraints?
   - How innovative is the proposed solution compared to existing technologies?

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5. Technical Completeness & Code Quality:
   - Is the technical documentation comprehensive?
   - Is the code repository complete, well-documented, and easy to understand?

6. Solution Architecture and Infrastructure Estimation:
   - Does the proposed architecture effectively support the scalability and performance requirements of the solution?
   - Are the infrastructure components and resources adequately estimated and aligned with the project's technical needs and budget constraints?

7. Functionality & Presentation Quality:
   - Does the demo video effectively showcase the functionality and performance of the AI solution?
   - Is the presentation professional and engaging?

8. Impact & Innovation:
   - What is the potential impact of the AI solution on the identified problem?
   - How innovative is the solution in addressing the problem?

9. Presentation Delivery:
   - Is the live presentation clear, engaging, and professionally delivere

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