BLOCKCHAIN OLYMPIAD BANGLADESH

Guideline & Evaluation Scheme

For

Blockchain Category

BCOLBD 2025

Blockchain Olympiad Bangladesh | House 169, 6th Floor, Road No. 3, Mohakhali DOHS, Dhaka-1212, Bangladesh
Contact No.: +880-17-1169-6204 | E-mail: info@bcolbd.org | Website: http://www.bcolbd.org

Evaluation Scheme Student Category

1. PROPOSAL EVALUATION

A. MANDATORY CRITERIA

MUST PASS ALL THREE TO PROCEED!

- **i. Whitepaper (0 or 1 point):** the proposal includes a document describing all aspects of the project. The document is limited to 20 pages, including Appendices. The font requirements are: type- Calibri/Times New Roman/Arial, size-11 pt., line spacing- single. Contents must be in English (no preference on dialect); non-native users of English may submit a reference whitepaper in another language for clarification, but if complications arise, the English version shall prevail.

- **ii. Poster board (0 or 1 point):** the proposal includes a research poster to showcase at the BCOLBD Finals, 14400×10800 pixels (36×48 inches @ 300 dpi) in landscape (“horizontal”) orientation. Posterboard content may be multilingual, but English must be present. The digital posterboard file may be in PDF format or as a shared Figma file.

- **iii. Presentation (0 or 1 point):** the proposal includes a 10-minute pitch presentation, those content may be multilingual, but English must be one of the languages. Speech must be in English, or if an exception is granted, must be subtitled in English. Presentation files will be presented in 16:9 on either Microsoft PowerPoint or Google Sheets; a PDF backup is recommended. The presentation video must be 10 minutes (600 seconds) and must be in MP4 format. Teams have to add the responsibility of each member in their 1 min intro and Presentation.

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A. GRADED CRITERIA

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. Problem & Solution	30
ii. Market & Partners	10
iii. Competition & Risks	20
iv. Architecture & Governance	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	0–5	6–8	9–11	12–13	14–15
20	0–8	9–11	12–14	15–17	18–20
30	0-11	12-17	18-23	24-26	27-30

i. Problem & Solution (30 points total): project addresses an appropriate problem properly

- Suggested Evaluation Considerations:
  - The problem is a complex challenge that involves various parties where incentives must be provided for coordination, reconciliation, and so forth.
  - The solution must make sense to use a blockchain, rather than one that is oriented around a conventional cloud solution or database infrastructure.
  - The problem exists due to insufficient trust and the effort to build that trust is an insurmountable obstacle without the use of blockchain technology.
  - The solution shows that blockchain can address the problem better than any other technology.

ii. Market & Partners (10 points total): project includes the appropriate collaborations

- Suggested Evaluation Considerations:
  - The potential market size of the solution to the problem which provides a basis for revenue projections.
  - The partners are ecosystem entities needed for the solution to work such as service operators in the domain, payment gateways, regulators, etc.
  - The market is clearly defined and partners must add value. Their incentives need to be clear as well.
  - The incentives for partners are allocated through the blockchain platform.

iii. Competition & Risks (20 points): project is transparent about its potential vulnerabilities

- Suggested Evaluation Considerations:
  - Competition may be direct (any product or service that does the same through technology solutions including blockchain projects), or indirect (can be complementary alternative processes).
  - Risks can stem from non-cooperation of partners, non-alignment of incentive, faulty technical execution, lack of business traction, and other risks that may be encountered by any business plan.
  - The solution is convincingly shown to be better than others in terms of delivering value. Identify and propose remedies/mitigations of business risks.
  - The solution is convincingly shown to be better than others in terms of performance. Identify and propose remedies/mitigations of technical risks.

iv. Architecture & Governance (30 points): project has appropriate design fundamentals

- Suggested Evaluation Considerations:
  - Architecture refers to the technical design of the project. Justify why a certain blockchain platform or type of blockchain is preferred. How it interacts with non-blockchain systems, especially legacy processes and systems, technical or otherwise.
  - Governance refers to how the project is managed: network membership governance, technology infrastructure governance, and business network governance.
  - How asset tokenization is achieved.
  - Governance Checklist:
    - Network Membership Governance
      - Member on- and off-boarding
      - Regulatory oversight provisioning
      - Permission structure
      - Network operations
    - Business Network Governance
      - Business charter & operations structure
      - Common services management

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- Business SLA and regulatory compliance

➢ Technology Infrastructure Governance
  - Distributed IT structure
  - Technology assessment and adoption
  - On chain and off chain data services
  - Risk mitigation

v. Valuation & Distribution (10 points): project has value and can be brought into reality

- Suggested Evaluation Considerations:
  - Revenue is about how the project generates value, which may not always be money.
  - Distribution is about how the project will go to market and what the next steps would be.
  - **T**he solution generates value and there is a plan to get it launched.

2. PROTOTYPE EVALUATION

A. MANDATORY CRITERIA

MUST HAVE BOTH TO PROCEED!

i. Front-end: prototype must have a user interface

ii. Back-end: prototype must write to a blockchain

B. GRADED CRITERIA

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

CRITERIA	TOTAL
i. Problem & Solution	40
ii. Privacy & Security Risks	20
iii. Architecture	20
iv. Governance	20
TOTAL	100

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Recommended Grading Guidelines

MAX SCORE	Inadequate	Satisfactory	Good	Very Good	Excellent
20	0–5	6–11	12–14	15–17	18–20
40	0-14	15-20	21 -29	30 -35	36-40

i. Problem & Solution (40 points): prototype addresses an appropriate problem properly

- Why is blockchain the best solution to the problem?
- What problem or 'pain point' is being solved for stakeholders? For a company?
- What value is being created or captured?
- Does the solution adequately address the problem?

ii. Privacy & Security Risks (20 points): prototype addresses privacy & security design

- Privacy — does the solution address data privacy and identity privacy?
- Privacy — will data unintentionally have leaked to unauthorized parties?
- Crypto-security — how does it address key management?
- Access Control — does the system have controls for who can access specific parts of the system?

iii. Architecture (20 points): prototype architecture adheres to decentralized application design

- How are transactions verified? More precisely, what is the setup of the consensus? For example,
  - If one uses Corda, what is the notary network?
  - If it is Fabric, who are the orders, peers etc.?
  - If Algorand, are you using a public chain or a private instance?
- What is stored on-chain and off-chain?
- How will the blockchain architecture handle compliance or regulation of the application if it is for a regulated industry such as banking or insurance?
- What is the data model if any?
- Is the integration of the blockchain solution with legacy systems addressed?
- How is data stored?
- Is there a digital identity system in place?

iv. Governance (20 points): prototype handles governance and trust for decentralized application design

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