



ORGANIZING COMMITTEE OF THE 2020 BLOCKCHAIN OLYMPIAD BANGLADESH

Organizing Partners:



Partners:



Guidance for Blockchain Olympiad Bangladesh 2020

Process in Brief

1. Participants submit whitepapers & posters
2. Jurors (incl. int'l ones) judge whitepapers
5. BCOLBD ranks up to 12 finalists
6. IBCOL ratifies the BCOLBD representatives for the international olympiad.

Project Grading Distribution

- **Whitepaper (40%):** a project is described in a document. There are no limits on length or formatting. Authors shall write in English.
- **Posterboard (40%):** a project has a research poster to showcase at the Finals, 14400x10800 pixels (36x48 inches @ 300 dpi) in landscape ("horizontal") orientation. Poster board content may be multilingual, but English must be present. Posterboard file shall be in PDF format.
- **Presentation (20%):** a project may be invited for presentation; aim to finish by 10 minutes, hard-stop at 12 minutes. Presentation content and speech may be multilingual, but English must be one of the languages. Presentation files will be presented in 16:9 aspect ratio on Microsoft PowerPoint; a PDF backup is recommended.

Project Evaluation Criteria

- **Problem & Solution (30%):** project addresses an appropriate problem properly
- **Market & Partners (10%):** project includes the appropriate collaboration properly
- **Competition & Risks (20%):** project is transparent about its potential vulnerabilities
- **Architecture & Governance (30%):** project has appropriate design fundamentals
- **Revenue & Distribution (10%):** project has value and can be implemented

Deadlines

- Tue 14 Apr 23:59 – Deadline for whitepapers & posters submission
- Wed 22 Apr 23:59 – Deadline for presentations submission
- Thu 30 Apr 23:59 – Declaration of winners

BCOLBD Awards

- 1. First Prize, 2. Second Prize, 3. Third Prize
- 4. Fourth Prize, 5. Fifth Prize, 6. Sixth Prize
- 7. Best Whitepaper, 8. Best Pitch
- 9. Best Prototype (demo or proof-of-concept)
- 10. Most Innovative Project (novelty)
- 11. Most Impactful Proj 12. People's Choice Proj



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Project Evaluation Criteria — Expanded

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

- 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 for using a blockchain, rather than one that is oriented around a conventional cloud solution or database infrastructure.

Market & Partners (10 points): project includes the appropriate collaboration properly

- The market is the collective size of the problem in quantitative terms, which further justifies the problem and provides a basis for revenue projections and distribution plans. A market is usually measured in terms of potential revenue, potential spending, potential users, or similar data.
- The partners are the entities that must be present for the solution to work — contestants need not have any relationship with potential partners. Typically, these are domain operators and regulators. A complete paper would describe the roles, responsibilities, and incentives of these partners.

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

- Competition may be direct (any product or service that does the same thing), very direct (other blockchain projects), or indirect (can even be alternative processes). A complete paper may not necessarily explain why the proposed project is the best, but why it is different and therefore better.
- Risks are all risks facing the proposed project. Usually, the biggest risks are non-cooperation or non-alignment of incentives of partners. Other risks include technical, execution, business, and other risks that may be encountered by any business plan.

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

- 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. Chapter 5 in the Blockchain for Business book by Arun, Cuomo, Gaur perfectly describes this concept.
- Asset tokenization may fall under this category, which is how non-blockchain-ready, or even non-digital “things” are represented faithfully and consistently on the blockchain.



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

- 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.



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Project Evaluation Dichotomy of Business and Technology

Projects shall 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:

	BUSINESS	TECHNICAL	TOTAL
Problem & Solution	15	15	30
Market & Partners	5	5	10
Competition & Risks	10	10	20
Architecture & Governance	10	20	30
Revenue & Distribution	10	0	10
TOTAL	50	50	100

Problem & Solution

- **Business:** the problem exists due to insufficient trust and the effort to build that trust is an insurmountable obstacle without the use of some technology to help coordinate and reconcile.
- **Tech:** the solution shows that blockchain can address the problem better than other technologies.

Market & Partners

- **Business:** the market is clearly defined in quantitative terms. The participants make sense. Their incentives can be (further) aligned with the help of blockchain technology.
- **Tech:** the partners are aligned by the right incentives to cooperate (coordination play)

Competition & Risks

- **Business:** the solution is convincingly better than others in terms of delivering value. Identifying and proposing remedies/mitigations of business risks, such as model failure, execution failure, etc.
- **Tech:** the solution is convincingly better than others in terms of performance. Identifying and proposing remedies/mitigations of technical risks, such as how the solution can be compromised.

Architecture & Governance



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- **Business:** the solution ensures effective governance (see below), and faithful representation of non-blockchain ready or even non-digital assets for blockchain (tokenization).
- **Tech:** the solution ensures effective tech infrastructure governance (see below), considers interfacing with legacy systems, justifies choice of chain (public or consortium; consensus implied), describes what data is on- and off-chain and the link between on- and off-chain activities, and addresses digital identity and privacy.

Revenue & Distribution

- **Business:** the solution generates value and can capture it, and there is a plan to get it launched, and even better if there are immediate next steps or short term roadmap. No financial projections.

Governance Checklist

The following is a reference for good blockchain governance. Many submissions will be far from ideal, so if they have a good proportion of these concepts addressed in their paper, that would be great.

Network Membership Governance	Business Network Governance	Technology Infrastructure Governance
<ul style="list-style-type: none"> ○ Member on- and off-boarding ○ Equitable and fair cost structure ○ Data ownership structure ○ Regulatory oversight provisioning ○ Permission structure ○ SLA management ○ Network support services ○ Risk optimization ○ Network operations 	<ul style="list-style-type: none"> ○ Network charter and management ○ Common/shared services management ○ Business SLA: quality assurance, performance, and network security management ○ Business exchange conditions management ○ Industry-specific requirements, legal, and regulatory compliance adherence ○ Business operations structure 	<ul style="list-style-type: none"> ○ Distributed IT management structure ○ Model of distributed maintenance ○ Framework for utilizing industry standards ○ Resource optimization ○ Technology assessment and adoption ○ Network deployment ○ Network support services ○ Risk optimization



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- Notes on final awards:** 1. The BCOLBD Organizing Committee shall announce the final awardees based on the ranking of scores received from the Jurors. However, even if a project ranks in the top 6 overall or top in any category, the award may be withheld if the score or level of performance is not up to par as per guidelines from the International Blockchain Olympiad.
2. Sample white papers and posters have been shared in Slack for educative purpose of the participants. There are many other white papers available online. If any submission is found to have plagiarized (copied from) other published whitepapers then such submissions shall be rejected at any time when such plagiarism is detected.