



BuildAthon Competition

Rules & Guidelines Framework

Section 01: Competition Overview

The competition will consist of **1 round**. Participants are required to present a solution to a problem on any of the below mentioned tracks. Participants will be **Invited to Pitch** their **Project**, a maximum **5 minutes** will be given to each team.

Participating teams are expected to present their project using **PowerPoint Slides** or similar presentation medium.

Section 02: General Rules & Deliverables

- **Team Composition:** Maximum 4 Participants Per Team.
- **Originality:** Code, Designs, and Assets must be developed by the team. The team may use third-party resources, however, it must be documented and respect the copyright laws.
- **Code Repository:** Public or shared GitHub/GitLab Repository Link required, showing active commit History. The Code Repository should be public and well documented
- **Resources:** There is no Limitation on the Programming Language, Frameworks used etc. Usage of AI extensively without Documentation or Understanding is not allowed. You may upload a documentation regarding usage of AI on your code repository.
- **Physical Demonstration:** Optional. Teams building Hardware or IoT Prototypes may present Physical Components during Judging. Virtual Simulations or Digital UI Walkthroughs are evaluated equally. You will get Extra Points for a Physical Demonstration.





Section 03: Track-Specific Guidelines

Track A: Education (EdTech)

- **Objective:** Develop scalable solutions addressing learning gaps, accessibility, personalized curriculum design, or administrative optimization.
- **Sustainability Layer:** Low-power digital delivery architectures; digital resource conservation to reduce paper dependencies.
- **Feasibility & Scalability:** Open-source platform compatibility (e.g., Moodle integrations); cross-device compatibility targeting low-cost smartphones.
- **Track Constraints:** Adherence to simulated student data privacy rules (COPPA/GDPR compliance). No unencrypted personal identifiable information (PII).

Track B: Healthcare (HealthTech)

- **Objective:** Build tools Optimizing Patient Care, Diagnostic Assistance, Medical Data Management, or Mental Health Support Systems.
- **Sustainability Layer:** Reduction of Administrative waste through Digital Workflows; Minimal Computing Overhead for Continuous Edge Devices.
- **Feasibility & Scalability:** Interoperability with Standard Healthcare Formats (e.g., HL7/FHIR simulation); Cloud Infrastructure Designs capable of handling High-Throughput Telemetry Data.
- **Track Constraints:** Separation of Data Layers to simulate Compliance with Health Data Privacy Regulations (HIPAA-Like Standards). Use validated Synthetic Datasets.

Track C: Agritech

- **Objective:** Engineer solutions for Supply Chain Optimization, Yield Prediction, Precision Farming, Pest Detection, or Resource Management.
- **Sustainability Layer:** Direct Alignment with Resource Conservation (Water Optimization, Carbon Footprint Tracking, reduced Chemical Usage).
- **Feasibility & Scalability:** Software must be Optimized for Edge Deployment or Low-Connectivity





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Environments (Offline-First Capabilities, minimal Payload Delivery over 2G/3G Networks).

- **Track Constraints:** If utilizing Physical Components (Optional), specify Communication Protocols (MQTT, LoRaWAN) capable of scaling across Regional Sensor Networks.



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Section 04: Evaluation Rubric Matrix

Criteria	Weight	Description
Technical Complexity & Scalability	30%	Architectural Robustness, Code Quality, Database Design, and Capacity to handle scaled user loads/data throughput.
Feasibility & Implementation	25%	Real-World Viability, Operational Cost Efficiency, ease of Deployment, and Adherence to Track-Specific Infrastructure constraints.
Sustainability Integration	20%	Depth of alignment with environmental or Resource-Efficiency Goals, plus computational efficiency of the Software Stack.
Innovation & Originality	15%	Novelty of the solution relative to current commercial alternatives within the selected track. Extensive meaningful Git Commits.
UX/UI & Presentation	10%	Workspace Logic, Interface Clarity, and the execution of the 3-Minute Video/Demonstration.

Section 05: Submission Disqualification Criteria

- Missing codebase Repository Link or lack of Commit Logs during the Hacking Window.
- Plagiarized Codebases or Undocumented Utilization of Proprietary third-party Intellectual Property.
- Concurrent Submission to Multiple Tracks.
- Extensive usage of AI with no Documentation

Section 06: Contact Us

For any Queries Regarding the Competition, Please Contact:

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