



BuildAthon Competition

Rules & Guidelines Framework

Section 01: Competition Overview

The hackathon will consist of **2 Rounds**. A **Preliminary Round** and a **Final Round**.

The **Preliminary Round** is **Online** and the **Final Round** is **Offline**.

The participants are allowed to **Change** and **Modify** submissions **Until** the **Deadline**.

Top 10 participating teams will be selected, and they are **Invited** to **Pitch** their **Project** for the **On-Site Round**. Each team will have maximum **5 Minutes** to pitch their project.

Section 02: General Rules & Deliverables

- **Team Composition:** Maximum 4 Participants Per Team.
- **Originality:** Code, Designs, and Assets must be developed during the Hackathon. Disclose Pre-Existing Open-Source libraries during the On-Site Round Submission.
- **Code Repository:** Public or shared GitHub/GitLab Repository Link required, showing active commit History.
- **Resources:** There is no Limitation on the Programming Language, Frameworks used etc. Usage of AI extensively without Documentation or Understanding is not allowed.
- **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.





➤ Submission Deliverables:

- Functional Prototype Link, Executable, or Simulation Environment.
- About 3-Minutes Video Demonstration (Technical Walkthrough and Implementation Pitch of the Idea & Project).
- System Architecture diagram detailing Tech Stack, APIs, and Data Workflows.
- Feasibility & Scalability Documentation (**Maximum 1 Page or 3 Slides**).

Section 03: Core Programmatic Pillars

All Submissions across all Tracks must satisfy Three Foundational Criteria:

- **Sustainability Embedded:** Solutions must Minimize Computational waste (efficient Algorithms, Green Cloud Hosting choices) and align with target UN Sustainable Development Goals (SDGs). Hardware designs must consider component Lifecycles.
- **Feasibility:** Prototypes must rely on Realistic Infrastructure and current Regulatory Boundaries. Project Documentation must Demonstrate viable unit Economics and a Clear Deployment Roadmap.
- **Scalability:** System Architecture must Demonstrate the capacity to handle increased Data Loads or User Bases without Compounding Technical Debt (Modular Code, Microservices Layout, or Efficient Database Indexing).

Section 04: 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.





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- **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 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 05: 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 06: 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 07: Contact Us

For any Queries Regarding the Competition, Please Contact:

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