ROUND 1 – ABSTRACT SUBMISSION GUIDELINES

1. Overview

Round 1 is focused on evaluating the idea and approach, not the final solution. Each team must submit a PDF abstract explaining how they plan to address and solve the selected problem statement.

This round does not require a complete solution, working prototype, or results.

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2. Objective of Round 1

Round 1 is intended to assess:

- Understanding of the selected problem

- Clarity and strength of the proposed idea

- Technical depth and approach

- Practical feasibility

Based on these aspects, teams will be shortlisted for Round 2 (Presentation Round).

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3. Abstract Structure – Mandatory Sections

Teams must follow the structure below for the abstract document.

3.1 Problem Understanding

(Approx. 150–200 words)

Clearly describe:

- Interpretation of the selected problem statement

- Real-world issue or gap being addressed

- Why this problem is important for industry / practice

Use the team's own words. Do **not** copy the problem statement text directly.

3.2 Proposed Idea / Solution Concept

(Approx. 200–300 words)

Explain:

- The core idea or solution concept

- Why this approach is effective or different from conventional methods

- Whether the solution is mechanical, software-based, AI-driven, or a combination

Focus on clear explanation rather than heavy jargon or buzzwords.

3.3 Technical Approach / Framework

(Approx. 200–300 words)

Describe:

- Overall system flow, workflow, or architecture

- Step-by-step technical approach to be followed

- Tools, technologies, software, and methods proposed
  (e.g., CAD tools, simulation, algorithms, sensors, control logic, AI models, etc.)

Simple **block diagrams or flowcharts** may be included. Depth of thinking and clarity of approach will be valued more than complexity.

3.4 Execution Plan & Scope

(Approx. 150–200 words)

Mention:

- What the team realistically plans to execute before / during the hackathon

- What will be demonstrated (e.g., simulation, CAD model, prototype logic, demo video, etc.)

- Any assumptions, limitations, and possible future scope

Realistic and well-scoped plans are preferred over over-ambitious promises.

3.5 Expected Outcome

(Approx. 150–200 words)

Describe:

- The expected output of the proposed work

- How the team will judge success (KPIs, performance measures, etc.)

- What the team aims to present if shortlisted for Round 2

4. Submission Format & Rules

Table 1 – Submission Format

Item	Requirement
File format	PDF only
File name	TeamName_TopicNumber_Abstract.pdf
Word limit	1200 words (strict)
Pages	Maximum 3 pages
Images / Diagrams	Maximum 5 (optional but encouraged)
Font	Any readable font, minimum 10.5 pt

5. Evaluation Criteria (Round 1)

Table 2 – Evaluation Criteria

Criteria	Weight
Problem understanding	20%
Idea clarity & innovation	25%
Technical approach	30%
Feasibility & execution plan	15%
Presentation & structure	10%

6. Common Reasons for Rejection

- Generic or copied content from AI

- Missing technical approach / Excessive use of buzzwords without explanation

- Poor linkage between idea and chosen problem statement

- Exceeding word limit or page limit

7. What Is Encouraged

- Clear and logical problem understanding

- Honest and realistic scope definition

- Simple but strong engineering concepts

- Well-structured, readable, and neatly formatted content