⚙ INNOVATEX 4.0 – Presidency University

MakerSpace Cluster | Standard Rule Book Format

🤯 Event Overview

Field	Details
Event Name	IDEA SPARK EXPO 2.0: National-Level Innovation and Prototype Challenge
Cluster	MakerSpace Cluster/Sigma Club
Event Type	Project Expo
Mode	Offline
Team Size	Team of 2-4 Members
Duration	9:00AM TO 3:00PM

🎯 Event Task / Objective

The event is a flagship initiative to foster creativity and multidisciplinary engineering excellence. Participants must identify real-world problems and develop working prototypes across domains like AI, IoT, Robotics, and Sustainable Engineering. The goal is to bridge the gap between theoretical learning and practical application.

⚙ Design / Technical Specifications

Solution Type
Projects should have software prototypes.

Technology Stack
Includes AI/ML, Data Science, IoT, Robotics, Smart Systems, and Social Impact Tech.

Prototype Requirement

Phase I: Pitch your ideas.

Phase II: Must be a 100% functional working prototype.

Scalability & Feasibility
Projects are evaluated on their potential for future expansion and industry relevance.

Data Handling & Security
If data is used, basic considerations for **data privacy, security, and ethical usage** must be explained.

Innovation & Creativity
The solution should showcase **original thinking**, smart integration of technology, or a novel approach to an SDG problem.

Resource Optimization
Designs should emphasize **energy efficiency, cost-effectiveness, and sustainable resource usage**.

Testing & Validation
Teams should explain **how the solution is tested or validated**, including assumptions and limitations.

Documentation & Presentation
A brief **technical explanation, demo walkthrough, and impact summary** must be included in the final presentation.

General Guidelines

1.Participants must adhere to the event schedule and submission deadlines.

2. Teams are responsible for bringing their own equipment unless stated otherwise.

3. All entries must be developed from scratch during the event.

4. Teams must document their work, including:

Problem Statement

Approach & Technology Used

Challenges Faced & Solutions Implemented

5. Organizers will provide basic power and connectivity support.

6. Any unsafe or unethical behavior will lead to disqualification.

7. Teams may use open-source libraries and tools .

8. Any usage of pre-built templates must be disclosed during the final presentation.

9.Participants should bring their own extension cord. Only glue gun drill machines and soldering machines will be provided.

10.Teams are responsible for ensuring their devices are charged and operational throughout the event.

11. All team members must be actively involved throughout the hackathon.

Safety Rules

All equipment must comply with safety regulations (battery, wiring, mechanical setup).

Participants must follow event venue safety instructions.

No flammable, high-voltage, or hazardous materials allowed.

Spectators must remain outside designated operational areas.

Projects that pose safety risks (e.g., flammable components, hazardous wiring) will be disqualified.

Event Rounds / Structure

Round	Description	Duration
Phase I	Idea Submission: Screening of problem statements and tech stacks.	During Event
Phase II	Final Jury: 100% functional prototype demo and concise pitch.	Final Hours

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Submission Guidelines

- ☑ A Working Prototype.
    - ☑ A 2-3 minute video demonstration of the project.
- ☑ A short presentation (Powerpoint or PDF) explaining the project.
- ☑ Submission on the designated platform (e.g., GitHub, Google Drive Link).

Judging Criteria

Criteria	Weightage (Marks)
Innovation & Originality	20
Technical Implementation	20
Prototype Functionality	20
Impact & Relevance	20
Presentation & Demo	20

Scoring Overview

Criteria	Weightage (Marks)
Innovation & Originality	20
Technical Implementation	20
Prototype Functionality	20
Impact & Relevance	20
Presentation & Demo	20
Total	**100**

Penalties & Disqualifications

Violation	Penalty

Late Submission	-10 Points
Unsafe Operation	Immediate Disqualification
Incomplete or Pre-built Work	-20 Points
Violation of Safety Zone	-15 Seconds / -10 Points
Misconduct or Unethical Practice	Permanent Ban

Awards & Recognition

Category	Prize	Remarks
1st Prize	₹20,000	Winner
2nd Prize	₹12,000	Runner-up
Special Awards	₹7,000	Best Innovation / Social Impact

Event Team

Role	Name	Department / Club	Contact
Faculty Coordinator	Ms. Anupama M. Patil	SOCSE	95381 49351
Event Lead	Parinitha.P	SOCSE	6362858991
Technical Mentor	[Name]	[Club]	[—]
Logistics & Media Lead	[Name]	[—]	[—]

General Instructions

- Follow all university and MakerSpace cluster policies.
- Respect judges, peers, and staff.
- Any form of plagiarism or code reuse will lead to disqualification.
- Decisions of the judges are final and binding.
- Certificates will be awarded to all valid participants.

Official Note

This Rule Book serves as the official guideline for all MakerSpace Cluster events under INNOVATEX 4.0, Presidency University.
Any updates or clarifications will be communicated officially via the MakerSpace WhatsApp community and notice board.