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## Shridevi Institute of Engineering & Technology Department of Computer Science & Engineering



### Innovation Ignite Symposium

Hosted under the auspices of



### Creative Codex Club Department of Computer Science and Engineering

# Mini Hackathon – Rule Book

## Innovation Ignite Symposium 2025

Organized by Department of CSE

Dear Participants,

Welcome to the **Mini Hackathon**, a fast-paced, idea-to-implementation event designed to test your **creativity**, **coding skills**, and **teamwork**. Prepare to **ideate**, **innovate**, and **implement** solutions under a time-bound environment.

## 1. Event Overview

The **Mini Hackathon** consists of two major rounds, designed to encourage **innovation** and real-world problem solving in domains such as **Environmental Sustainability** and **Healthcare Technology**.

- **Round 1: Ideathon - Teams** brainstorm ideas and present their solution concept.
- **Round 2: Implementation - Teams** develop and demonstrate a working prototype.
- Each round will be evaluated by **Judges** based on defined criteria.
- **Creativity, Feasibility, and Execution Quality** will collectively determine the final results.

## 2. Problem Domains

Participants can choose any real-world problem related to the following key domains (or propose a relevant interdisciplinary idea):

- **Environmental Sustainability:** Green technology, energy efficiency, waste management, smart agriculture, water conservation, pollution monitoring, etc.
- **Healthcare Technology:** Digital health, disease prediction, telemedicine, medical data analytics, wearable health monitoring, etc.

*Note: Interdisciplinary or innovative domain combinations are encouraged if they align with the symposium's core themes.*

### 3. Team Formation

- **Team Size:** 2 members per team
- **Programming Languages:** Open (any suitable language/framework)
- **Platform:** Teams can use their own IDEs, laptops, and preinstalled tools
- **Internet:** Wi-Fi will be provided
- **Resources:** Teams may bring references, but code must be original

### 4. Competition Structure

#### 4.1. Round 1: Ideathon

The **Ideathon** round focuses on **creativity**, **problem analysis**, and **solution planning**. **Teams** are expected to brainstorm innovative ideas, evaluate their feasibility, and present a clear plan to the **Judges**.

##### Guidelines:

- Teams must clearly define the **problem statement** they are addressing.
- Provide a conceptual **solution** or model, including diagrams or flowcharts if necessary.
- Highlight how the **idea** addresses challenges in **Environmental Sustainability** or **Healthcare Technology**.
- **Presentation** should cover expected outcomes, potential impact, and required resources.
- **Judges** will evaluate each team independently based on **Creativity**, **Feasibility**, and **Presentation Clarity**.

##### Expected Deliverables:

- Short **presentation** or slides explaining the **idea**.
- **Problem statement** and proposed **solution outline**.

#### 4.2. Round 2: Implementation

The **Implementation** round focuses on **technical execution** and **prototype development**. **Teams** develop a functional solution based on their **Ideathon** concept.

##### Guidelines:

- Teams must implement a working **prototype**, **application**, or **solution**.
- The **solution** should demonstrate core **functionality** and showcase the **innovative features** described in the **Ideathon**.
- Teams should prepare a **demo** or **video** to showcase their working **solution**.
- Judges will evaluate **technical quality**, **functionality**, **innovation**, and **presentation skills**.
- Teams may use any **programming language** or **framework** but must declare any pre-built **libraries**, **templates**, or **APIs** used.

##### Expected Deliverables:

- **Source code** in a standard format (.zip or GitHub link).
- Working **prototype** or **demo**.
- Short **presentation** highlighting features, workflow, and technical approach.

### 5. Judging Criteria

Total Marks: 200 (Ideathon – 50 — Implementation – 150)

#### 5.1. Round 1: Ideathon (50 Marks)

| Criteria                 | Description                                       | Marks     |
|--------------------------|---|-----------|
| Creativity & Originality | Uniqueness and innovation of the idea             | 20        |
| Feasibility              | Practicality and potential for real-world use     | 15        |
| Presentation Clarity     | Clarity, structure, and communication of the idea | 15        |
| <b>Total</b>             |   | <b>50</b> |

### 5.2. Round 2: Implementation (150 Marks)

| Criteria                                  | Description                                       | Marks      |
|---|---|------------|
| <b>Working Prototype</b>                  | Functionality and successful demo                 | 50         |
| <b>Code Quality &amp; Technical Depth</b> | Efficient, clean, and optimized code              | 40         |
| <b>Innovation &amp; Features</b>          | Uniqueness, extra functionality, and completeness | 30         |
| <b>Presentation &amp; Demo</b>            | Clarity, teamwork, and explanation quality        | 30         |
| <b>Total</b>                              |   | <b>150</b> |

## 6. Technical Specifications

- All **code** and **resources** must be submitted in a standard format (.zip or GitHub link).
- Any **programming language** or **framework** can be used.
- **Code** must be original and developed during the hackathon.
- Pre-built **templates** or **APIs** are allowed only if openly declared.

## 7. General Rules

1. **Teams** must work independently; no cross-team collaboration.
2. All discussions and work must remain within the **team**.
3. **Judges** may request clarifications during **presentations**.
4. Late submissions will result in **point deductions**.
5. Any **plagiarism** or copied content will result in immediate **disqualification**.
6. **Teams** should ensure their laptops and tools are ready before the event.

**Wishing all participants the very best!**

Unleash your creativity, ignite your passion, and let your code shape a smarter, sustainable, and healthier tomorrow.

– Innovation Ignite Organizing Committee  
 Department of Computer Science & Engineering  
 Shridevi Institute of Engineering & Technology