



Odoo x Nirman 2025 theme: Atmanirbhar Bharat

This hackathon focuses on fostering innovation to achieve self-reliance in critical sectors. Participants are encouraged to design solutions that align with the vision of Atmanirbhar Bharat, addressing challenges in local manufacturing, infrastructure resilience, food security, and other domains that promote self-sufficiency.

The problem statements provided are for reference. Participants may choose to work on these or identify other problems to present their own ideas that align with the theme. The objective is to create impactful, practical solutions that contribute to a self-reliant India.

Problem Statements

1. Autonomous Local Manufacturing System

Develop a tech-driven system to automate and optimize localized manufacturing and supply chains, ensuring efficient resource use and self-sufficiency.

2. Predicting and Preventing Infrastructure Failures

Build a technology solution to monitor, predict, and prevent failures in critical infrastructure, enabling real-time maintenance and improving resilience.

3. Food Security and Resource Optimization

Create a technology-driven platform or system to optimize food production, distribution, and consumption, reducing waste and ensuring sustainable access to resources.



Guidelines for preparing 'Idea Document'

The purpose of this documentation is to evaluate your thinking ability, creativity, and understanding of the real-world problem you have chosen. Please ensure that your submission is clear, concise, and well-structured.

Use the following points as a guide:

1) Team Name and Member Details

- Team Name: A creative and unique name representing your team.
- Member Details: List the name, role, and skills of each team member (e.g., developer, designer, project manager).

2) Problem Statement

- Chosen Problem: Clearly state the problem statement you are addressing.
- Problem Analysis: Briefly describe the real-world context and its significance.
- Target Audience: Identify the primary users or beneficiaries of your solution.

3) Solution Overview

- Brief Explanation: Summarize your solution and how it addresses the problem.
- Approach: Describe your methodology and how it solves specific pain points.
- Uniqueness: Explain what makes your solution distinct from existing approaches.

4) Frameworks/Technologies

- Tech Stack: List the frameworks, libraries, and technologies you plan to use.
- Reasoning: Explain your choices (e.g., scalability, ease of use, cost-effectiveness).
- Assumptions & Constraints: Highlight key assumptions and anticipated challenges.

5) Feasibility and Implementation

- Implementation Ease: Discuss development and deployment feasibility.
- Effectiveness: Describe how well your solution addresses the problem.



6) UI/UX Mockup

- Screens Overview: Include wireframes or mockups showcasing the interface.
- User Flow: Explain the user journey and key interactions.
- Accessibility Considerations: Highlight design decisions for broader accessibility.

7) Business Scope and Use Case

- Use Case Scenarios: Provide real-world examples of your solution in action.
- Market Need: Explain the demand for your solution.
- Revenue Model (Optional): Suggest monetization strategies if applicable.

8) System Design and Architecture

- Technologies Overview: Describe key technologies and tools.
- Design Patterns: Mention design patterns used (e.g., MVC, microservices).
- Functional Flow: Include diagrams like flowcharts or system architecture.

9) Coding Approach

- Development Strategy: Outline your coding methodology (e.g., Agile, modular design).
- Coding Standards: Specify best practices like code reviews or testing.

10) Additional Supporting Documents (Optional)

- Market Research: Provide supporting data or research.
- Competitor Analysis: Compare your solution with existing ones.
- References: Include links or references used.

11) Presentation (Optional)

- Summary Slides: Prepare 5–7 slides covering the problem, solution, tech stack, UI/UX, and implementation strategy.
- Pitch Focus: Ensure your presentation highlights key aspects effectively.

General Tips:

- - Clarity & Precision: Use concise language and visuals for clear communication.
- - Proofread: Avoid spelling and grammar errors.
- - Originality: Focus on unique, impactful ideas that address real-world challenges.