Day 1 Idea Submission Template

Project Title:
Cyber.Assure

Concept Summary:
(Briefly describe your idea, including its purpose and the problem it aims to solve.)

AI-Driven Cybersecurity Benchmarking & Prioritization Tool integrates AI to collect data from diverse business users, benchmark their cybersecurity posture against the CIS (Center for Internet Security) standards, and generate actionable recommendations. The tool identifies missing solutions and assigns project priorities (Priority 1, Priority 2, etc.) based on an organization's current risks, compliance gaps, and resource constraints. It aims to streamline decision-making for cybersecurity investments and ensure alignment with industry best practices.

Target Audience:
(Who will benefit from your project? Describe their needs.)

- Chief Information Security Officers (CISOs)
- IT Managers and Security Teams
- Compliance Officers
- Organizations across industries aiming to improve cyber resilience and meet regulatory requirements

Their needs:

- Simplified assessment of cybersecurity posture

- Clear recommendations for remediation and project prioritization

- Support for regulatory compliance and risk reduction

Key Features:

(List the main features or functionalities of your application.)

1. **Data Collection & Analysis:** AI-driven surveys and tools to gather security data from business units.
2. **CIS Benchmarking:** Automated assessment of compliance with CIS controls.
3. **Priority Recommendations:** AI-generated insights for project prioritization and resource allocation.
4. **Customizable Reports:** Detailed and user-friendly reports tailored to different organizational roles.
5. **Predictive Analytics:** Future-proofing recommendations based on industry trends and emerging threats.

Technical Approach:

(How do you plan to implement your idea? Mention technologies or methods.)

Use no code platform to interpret user inputs and convert them into structured data.

Implement machine learning models for benchmarking and prioritization logic.

Develop a web-based or mobile application using frameworks like React or Flutter, supported by a cloud-based backend (e.g., AWS or Azure).

Expected Challenges:

(What potential obstacles do you foresee, and how will you address them?)

User Adoption: Encouraging engagement with non-technical users. Solution: Create an intuitive UI/UX and provide in-app guidance.

Dynamic Benchmarking: Adapting to frequent updates in CIS controls. Solution: Design a modular system that supports easy updates.

Submission Format:

(Outline how your submission should be presented: documents, slides, etc.)

Initial submission as a presentation deck (PPT) with a demo video (if possible).

Expected Outcome:

(What do you aim to achieve by the end of the challenge?)

A functional prototype that demonstrates data collection, CIS benchmarking, and prioritization capabilities.

Validation of the tool's recommendations through user feedback and pilot testing.

A roadmap for full-scale development and deployment.

Additional Notes (Optional):

This project aligns with regulatory compliance initiatives and addresses a pressing need for actionable insights in cybersecurity management.