**Hackathon Project Phases Template** that ensures students can complete it efficiently while covering all six phases. The template is structured to capture essential information without being time-consuming.

Hackathon Project Phases Template

# Project Title:

LOGOCRAFT: Innovative logo generation with diffusion technology

# Team Name:

ARISER

# Team Members:

* Gujjari Swarnamai
* Panchika lokitha reddy
* Azmeera chandana
* Ponnam divya

# Phase-1: Brainstorming & Ideation

## Objective:

* Identify the problem statement.
* Define the purpose and impact of the project.

## Key Points:

1. **Problem Statement:** Logo generation with diffusion technology
2. **Proposed Solution:** A code that gives the logo with your requirements

Technology stack: AI model uses a diffusion based model trained on high quality logo data sets

1. **Target Users:**

Startups and small businesses , e-comerce,developers

1. **Expected Outcome:** Scalability and automation

High quality AI generated logos

# Phase-2: Requirement Analysis

## Objective:

* + Define technical and functional requirements

## Key Points:

1. **Technical Requirements:**
2. Programming language: PYTHON , C
3. HTML ONLINE COMPILER
4. **Functional Requirements:**
5. Ability to write code to generate images
6. Interactive customization and editing
7. **Constraints & Challenges:**
8. Brand identity and message
9. Colour limitations
10. Originality

# Phase-3: Project Design

## Objective:

* + Create the architecture and user flow.

## Key Points:

1. **System Architecture Diagram:** (Simple sketch or flowchart)
2. **User Flow:** (How a user will interact with the project)
3. **UI/UX Considerations:** (If applicable, wireframe or basic layout)

# Phase-4: Project Planning (Agile Methodologies)

## Objective:

* + Break down the tasks using Agile methodologies.

## Key Points:

1. **Sprint Planning:**

The team discusses the goal to ensure its clear,valuable and achievable within the sprints time frame.

1. **Task Allocation:**

Some teams assign tasks during sprint planning ,while others prefer self organization,where team members pick up tasks as they become available during the sprint.

1. **Timeline & Milestones:**
2. Project scope
3. Breakdown the work
4. Estimate task duration
5. Set realistic deadlines
6. Communicate and track progress

# 

# Phase-5: Project Development

## Objective:

* + Code the project and integrate components.

## Key Points:

1. **Technology Stack Used:**

Languages: HTML , JAVASCRIPT , C

1. **Development Process:**

a) Establish clear methods

b) Code coverage

c) Tools and visualization

1. **Challenges & Fixes:**
2. Scope creep
3. Accurate estimation
4. Documentation

# Phase-6: Functional & Performance Testing

## Objective:

* + Ensure the project works as expected.

## Key Points:

1. **Test Cases Executed:**  Progress tasking , Quality assurance , Defect detection
2. **Bug Fixes & Improvements:**
3. Fixing the code that occurs when a user clicks a specific button
4. Resolving the code when shows the errors
5. **Final Validation:**
6. Verification of requirements
7. User acceptance
8. Confidence building

# Final Submission

1. **Project Report Based on the templates**
2. **Demo Video (3-5 Minutes)**
3. **GitHub/Code Repository Link**
4. **Presentation**