**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:

(Provide a short and clear project title)

# Team Name:

(Enter your team’s name)

# Team Members:

* Name 1
* Name 2
* Name 3
* Name 4 (if applicable)

# Phase-1: Brainstorming & Ideation

## Objective:

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

## Key Points:

1. **Problem Statement:** (What problem are you solving?)
2. **Proposed Solution:** (Briefly explain your idea)
3. **Target Users:** (Who will benefit from this project?)
4. **Expected Outcome:** (What will the project achieve?)

# Phase-2: Requirement Analysis

## Objective:

* + Define technical and functional requirements.

## Key Points:

1. **Technical Requirements:** (Languages, frameworks, tools)
2. **Functional Requirements:** (Features the project must have)
3. **Constraints & Challenges:** (Any limitations or risks)

# 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:** (Divide work into tasks for each team member)
2. **Task Allocation:** (Who will do what?)
3. **Timeline & Milestones:** (Set short deadlines for each task)

# Phase-5: Project Development

## Objective:

* + Code the project and integrate components.

## Key Points:

1. **Technology Stack Used:** (List of programming languages, APIs, etc.)
2. **Development Process:** (Steps followed for coding)
3. **Challenges & Fixes:** (Mention any obstacles faced and how they were solved)

# Phase-6: Functional & Performance Testing

## Objective:

* + Ensure the project works as expected.

## Key Points:

1. **Test Cases Executed:** (List the scenarios tested)
2. **Bug Fixes & Improvements:** (Mention fixes made)
3. **Final Validation:** (Does the project meet the initial requirements?)
4. **Deployment (if applicable):** (Hosting details or final demo link)

# Final Submission

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