

## Ideation Phase

### Brainstorm & Idea Prioritization Template

Date	18 February 2026
Team ID	LTVIP2026TMIDS57846
Project Name	Civil Engineering Insight Studio
Maximum Marks	4 Marks

#### Brainstorm & Idea Prioritization Template:

## Step-1: Team Gathering, Collaboration & Selected Problem Statement

### Team Collaboration Summary

- Conducted a structured brainstorming session
- Reviewed PS-1 and PS-2
- Identified common challenges:
  - Manual documentation
  - Time consumption
  - Inconsistent reporting
  - Lack of automation

### Step-1: Team Gathering, Collaboration and Select the Problem Statement



#### Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

⌚ 10 minutes to prepare  
🕒 1 hour to collaborate  
👤 2-8 people recommended

⬇️

#### Before you collaborate

⌚ 10 minutes

**1 Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

**2 Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.

**3 Learn how to use the facilitation tools**  
Use the Facilitator Superpowers to run a happy and productive session.

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**PROBLEM**  
 How might we  
 [your problem statement?]



#### Key rules of brainstorming

<span>⌚ Stay in topic.</span> <span>💬 Defer judgment.</span> <span>📝 Go for volume.</span>	<span>💡 Encourage wild ideas.</span> <span>👂 Listen to others.</span> <span>🖼 If possible, be visual.</span>
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## Selected Core Problem Statement

Civil engineers and project managers need an intelligent system that can automatically analyze construction site images and generate structured, consistent documentation to reduce manual effort, save time, and improve reporting accuracy.

## Step-2: Brainstorm – Idea Listing & Grouping

### Raw Ideas Generated

Idea ID	Idea Description
I1	AI-based image recognition for material detection
I2	Automated structural component identification
I3	Progress percentage estimation from site images
I4	Auto-generated technical report in PDF format
I5	Mobile application for real-time site image upload
I6	Dashboard for project progress visualization
I7	Voice-to-text reporting integration
I8	Defect detection and safety risk alerts
I9	Cloud-based documentation storage
I10	Standardized report templates with auto-fill functionality

### Idea Grouping

Category	Related Ideas
Image Analysis	I1, I2, I3, I8
Report Automation	I4, I10
User Interface & Access	I5, I6
Data Management	I9
Smart Assistance	I7

## Step-3: Idea Prioritization

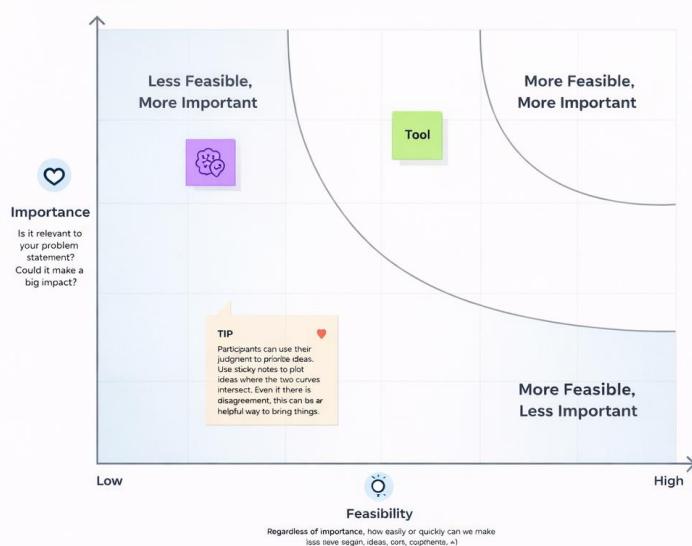
### Prioritization Criteria

- Feasibility
- Impact
- Innovation
- Implementation Time

## 5 Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are flexible.

⌚ 20 minutes



## Priority Matrix

Idea	Impact	Feasibility	Priority Level
AI-based image recognition (I1)	High	High	High
Auto-report generation (I4)	High	High	High
Progress estimation (I3)	High	Medium	Medium
Dashboard visualization (I6)	Medium	High	Medium
Defect detection (I8)	High	Medium	Medium
Voice reporting (I7)	Medium	Medium	Low