

Ideation Phase

Define the Problem Statements

Date	18 February 2026
Team ID	LTVIP2026TMIDS57846
Project Name	Civil Engineering Insight Studio
Maximum Marks	2 Marks

Customer Problem Statement Template

 Customer Problem Statement Template

I am	A Civil Engineer / Construction Supervisor
I'm trying to	Analyze construction site images and document structural details accurately
But	The process of manually identifying materials, components, and progress is time-consuming and inconsistent
because	It requires technical expertise, visual inspection, and detailed reporting under strict deadlines
which makes me feel	Overwhelmed, pressured, and concerned about accuracy and delays 

I am	I'm trying to	But	Because	Which makes me feel
A Civil Engineer / Construction Supervisor	Analyze construction site images and document structural details accurately	The process of manually identifying materials components, and progress is time-consuming and inconsistent	It requires technical expertise, visual inspection, and detailed reporting under strict deadlines	Overwhelmed, pressured, and concerned about accuracy and delays 

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A Civil Engineer / Construction Supervisor	Analyze construction site images and document structural details accurately	The manual process of identifying materials, components, and project progress is time-consuming and inconsistent	It requires detailed visual inspection, technical expertise, and reporting under strict deadlines	Overwhelmed, pressured, and concerned about accuracy and delays
PS-2	A Project Manager in a Construction Firm	Monitor project progress and communicate structured updates to stakeholders	I do not have an automated system that converts site images into standardized technical documentation	Reporting is manually prepared and varies between team members	Frustrated, uncertain about consistency, and concerned about tracking efficiency