Project Initialization and Planning Phase

Date	15 March 2024
Team ID	740139
Project Name	Acoustic Fire Extinguishing Prediction
Maximum Marks	3 Marks

Define Problem Statements (Customer problem statementTemplate):

These problem statements highlight the critical issues and emotions experienced by the stakeholders involved in acoustic fire extinguishing, guiding the development of targeted solutions to meet their specific needs and concerns.

Iam a	a building safety manager
Iam trying to	Ensure quick and effective fire suppression in case of an emergency
but	The current fire suppression system is slow and not always effective
because	Traditional methods are chemical-based and require maintenance
which makes me feel like	Worried and unsafe about the reliability of the fire suppression system

Iam a	A data scientist working on fire safety technology
Iam trying to	Develop a predictive model for acoustic fire extinguishing
but	There is a lack of comprehensive data on the effectiveness of acoustic waves on different fire types
because	Acoustic fire extinguishing is a relatively new field with limited research
which makes me feel like	Challenged and concerned about the accuracy and reliability of the predictive model

Reference: https://miro.com/templates/customer-problem-statement/

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	A building safety manager	Ensure quick and effective fire suppression in case of an emergency	The current fire suppression system is slow and not always effective	Traditional methods are chemical-based, require regular maintenance, and can be harmful to the environment	Worried and unsafe about the reliability and environmental impact of the fire suppression system
PS-2	A data scientist working on fire safety technology	Develop a predictive model for acoustic fire extinguishing	There is a lack of comprehensive data on the effectiveness of acoustic waves on different fire types	Acoustic fire extinguishing is a relatively new field with limited research and standardized methodologies	Challenged and concerned about the accuracy, reliability, and validation of the predictive model