

Project Initialization and Planning Phase

Date	20 June 2024
Team ID	740019
Project Name	3D Printer Material Prediction Using Machine Learning
Maximum Marks	3 Marks

Define Problem Statements (Customer Problem Statement Template):

Users struggle to select optimal 3D printing materials for specific applications. A machine learning model predicts the best materials, improving print quality, efficiency, and reducing trial-and-error costs.

Example:

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
3D Printer Material Prediction Using Machine Learning	Working on 3D printing project	Predict the best material for 3D printing	There are many materials to choose from, each with different properties	It is difficult to manually select the optimal material for specific printing needs	Overwhelmed and uncertain about achieving the best printing results