ASSIGNMENT NO 1

Problem Statement: To develop the problem under consideration and justify feasibility using the concept of knowledge canvas and IDEA matrix.

Learning Objectives:
- Understand the concept of IDEA matrix
- Understand the purpose of feasibility analysis

Learning Outcomes:
- Check feasibility of proposed system
- Add functionality to the system.

Project Problem Statement: 2D Images to 3D Model reconstruction.

Idea Matrix:

I	D	E	A
Build 3D models from 2D images	Define the errors that can occur during the 3D construction.	Educate the users of the uses of the model	Accelerate processing by using GANs and CNNs technics.
Increase accuracy of pre-existing models	Derive a way to avoid the errors and build accurate models	Evaluate the accuracy by comparing with existing models	Use tools to show 3D developed models and views.
Build 3D views from single/multiple view images	Decide the scope of the project	Eliminate the errors that can cause failure of the model	Avoid errors in further models.

- To increase accuracy and reliability, we are using existing pre-tested tools for utilities.
- Ignore compatibility risk by running the utilities in the most basic configurations.
- Decrease compatibility issues by diagnosing the system.
- Deliver performance by optimizing data structure
- Results are evaluated to eliminate errors
- To avoid updation error we are approaching the problem through dynamic configurations.