

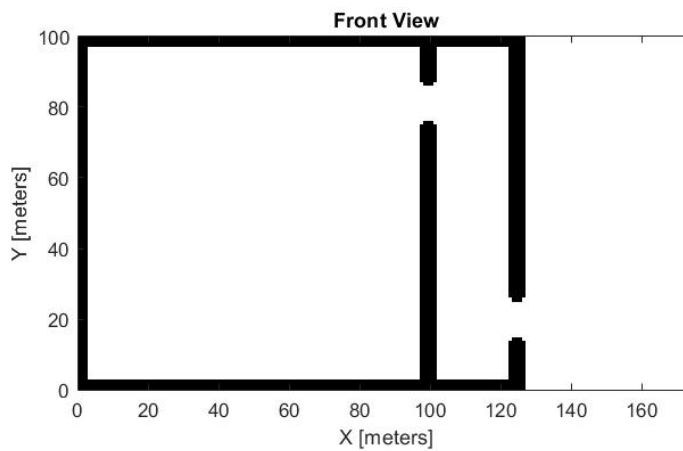
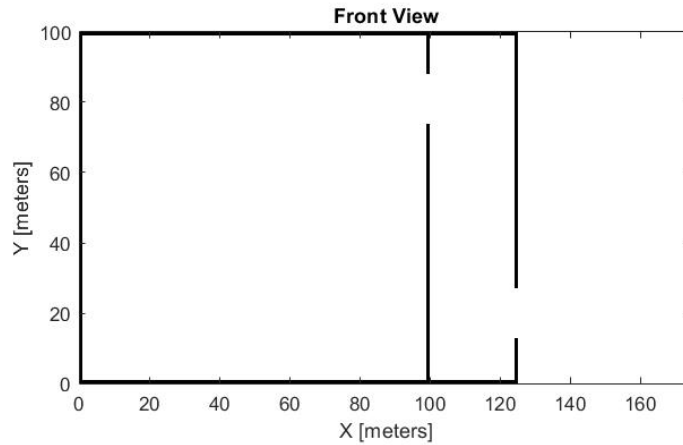
RBE550 – Motion Planning

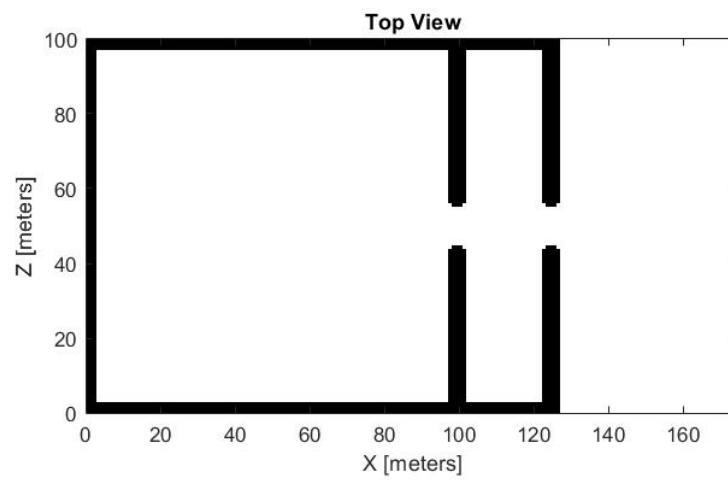
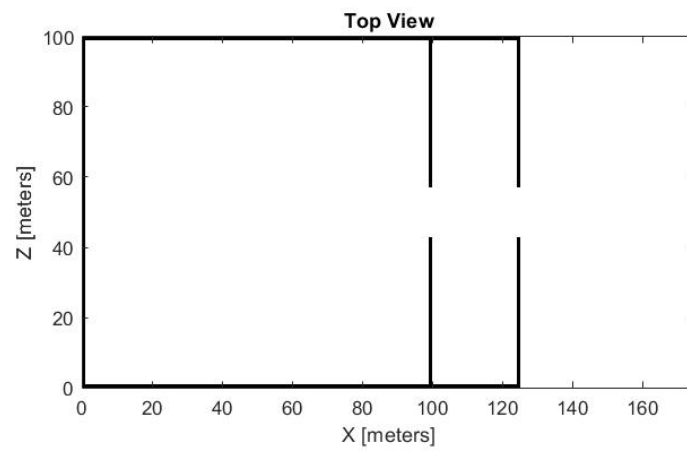
Assignment: **Theft**

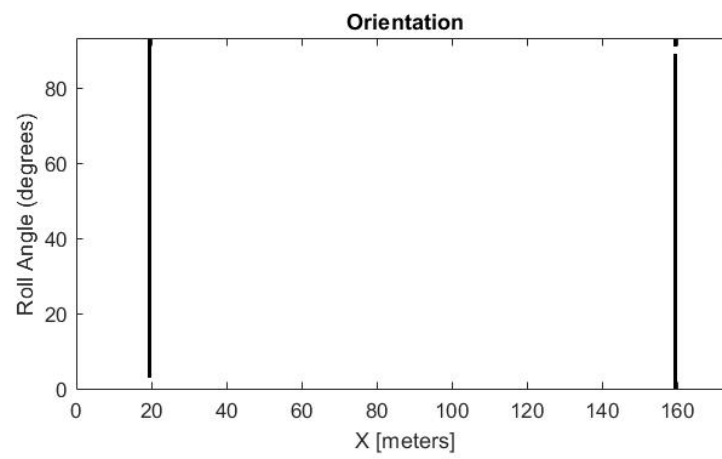
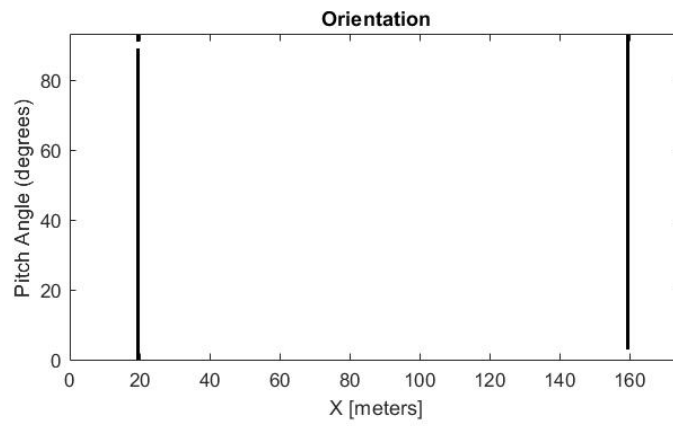
Submitted by:
Suketu Parekh

➤ **Environment Set-up:**

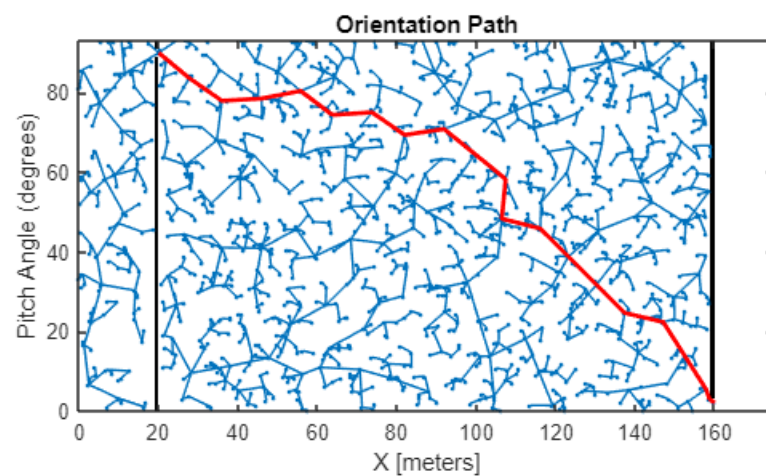
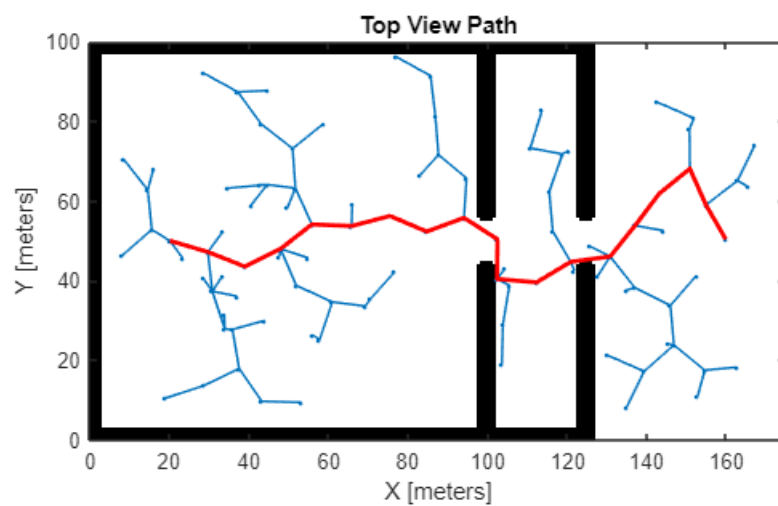
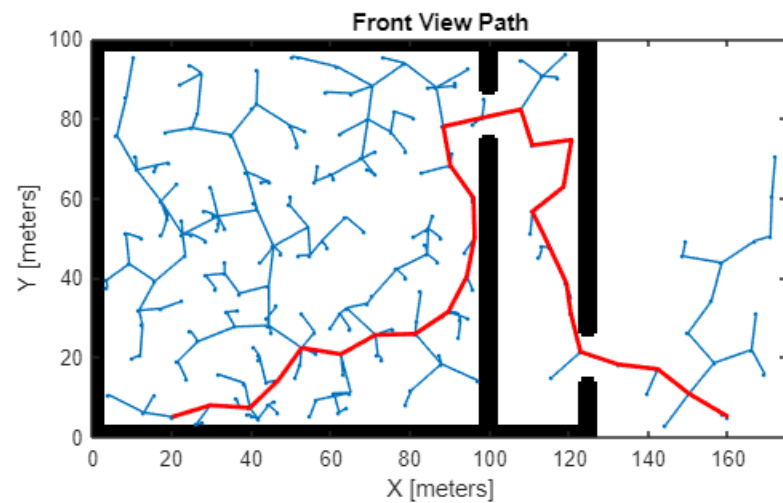
Component-wise projection of the obstacle field (environment):

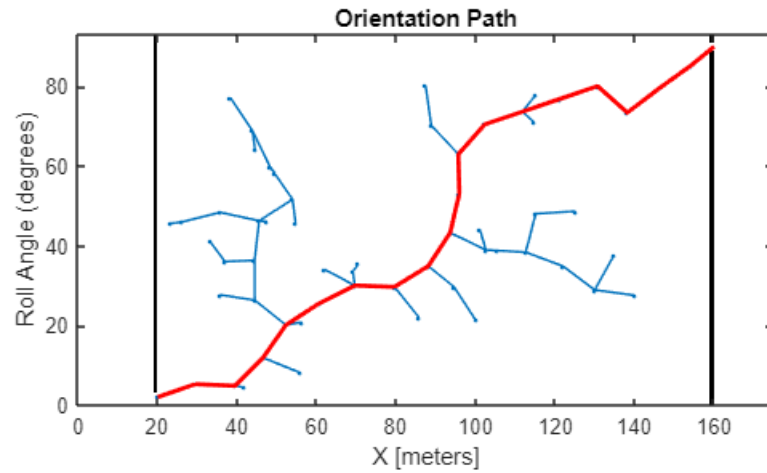




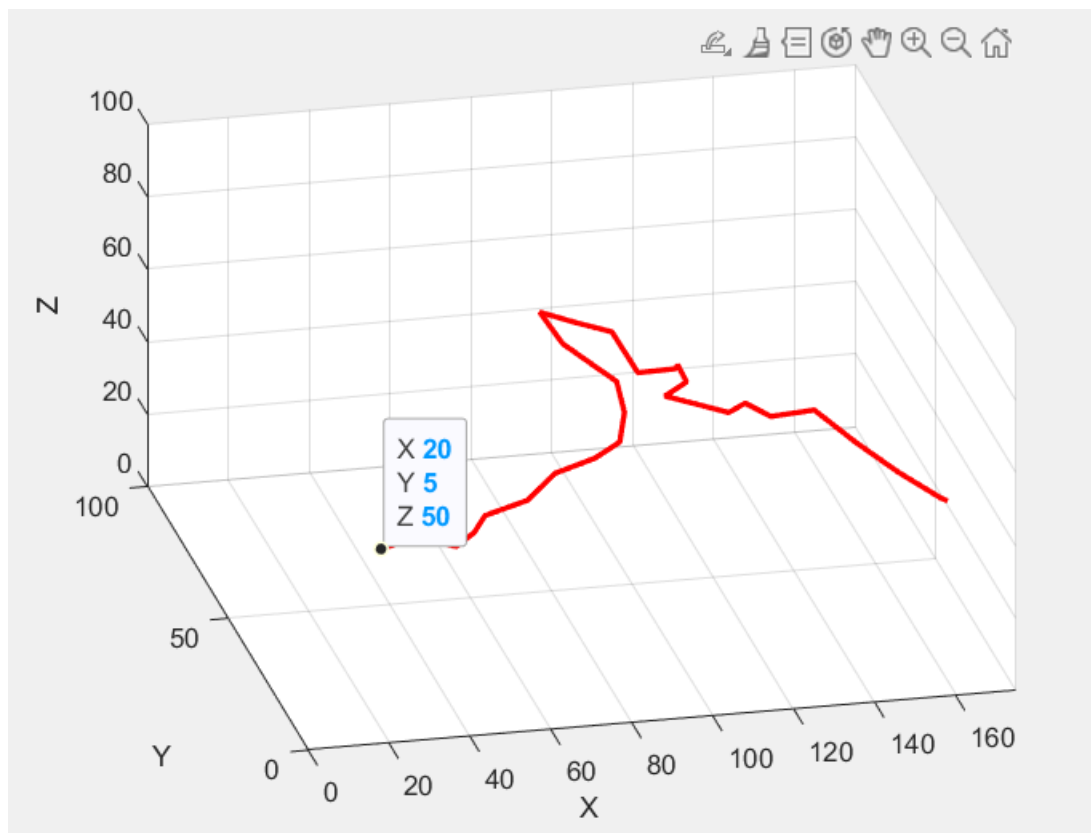


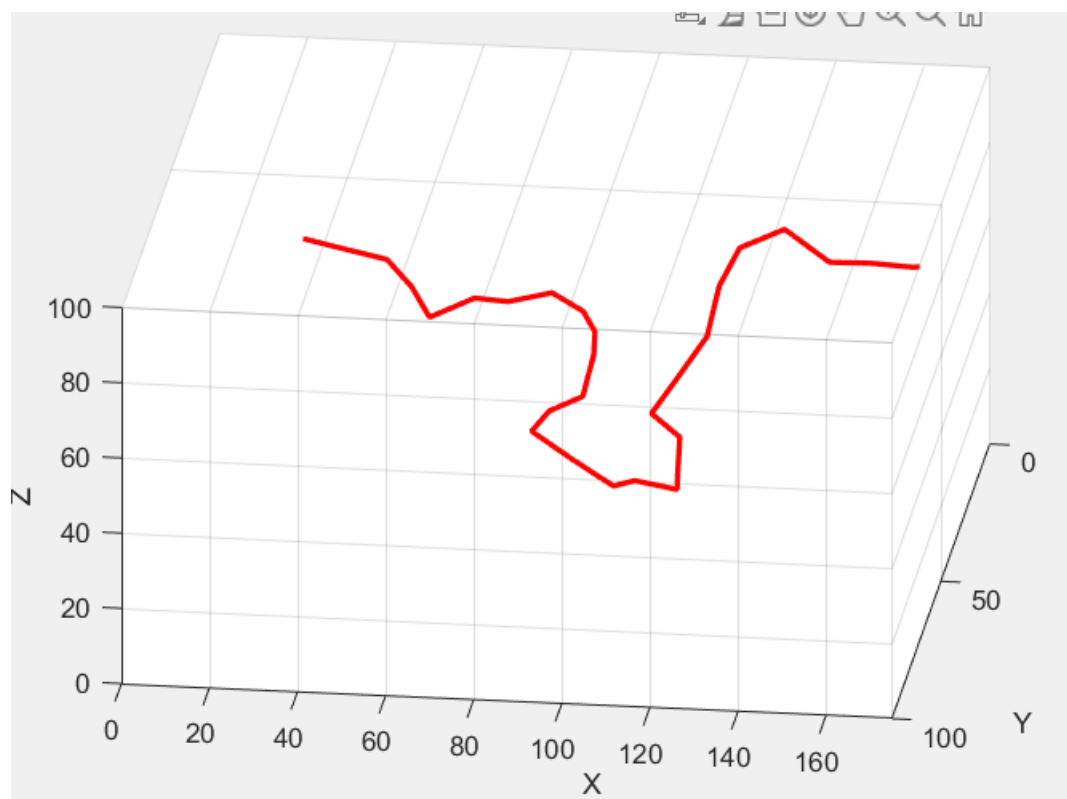
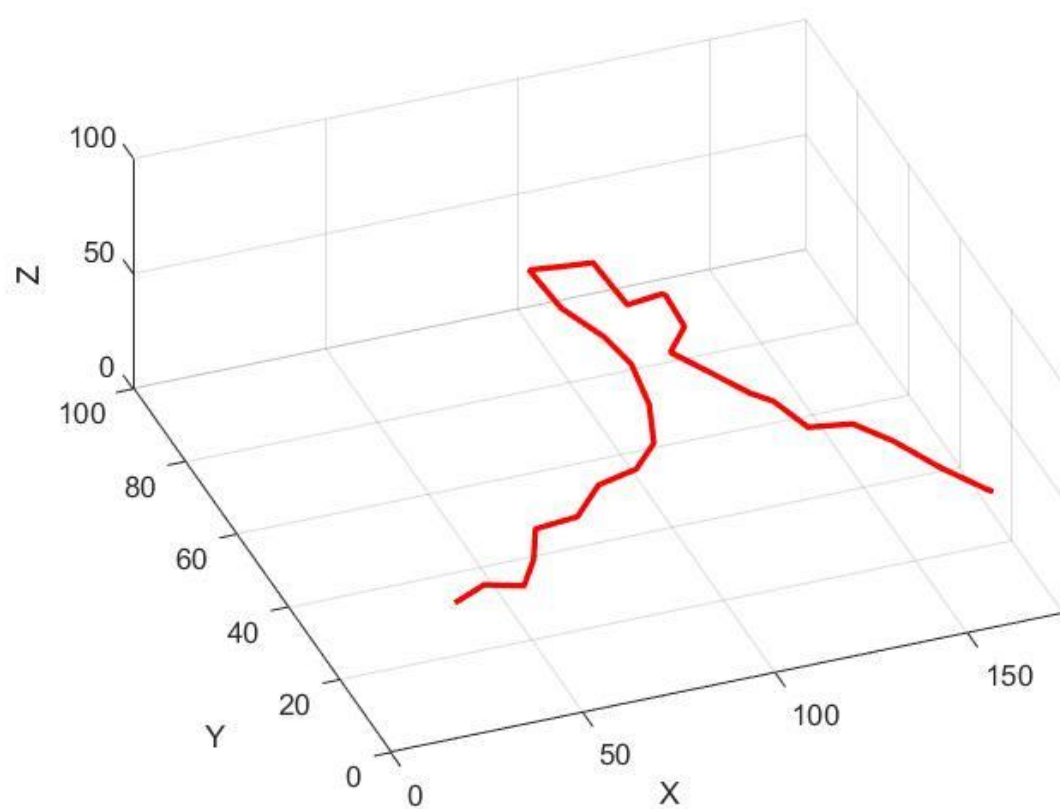
➤ **Planner Implementation Results:**





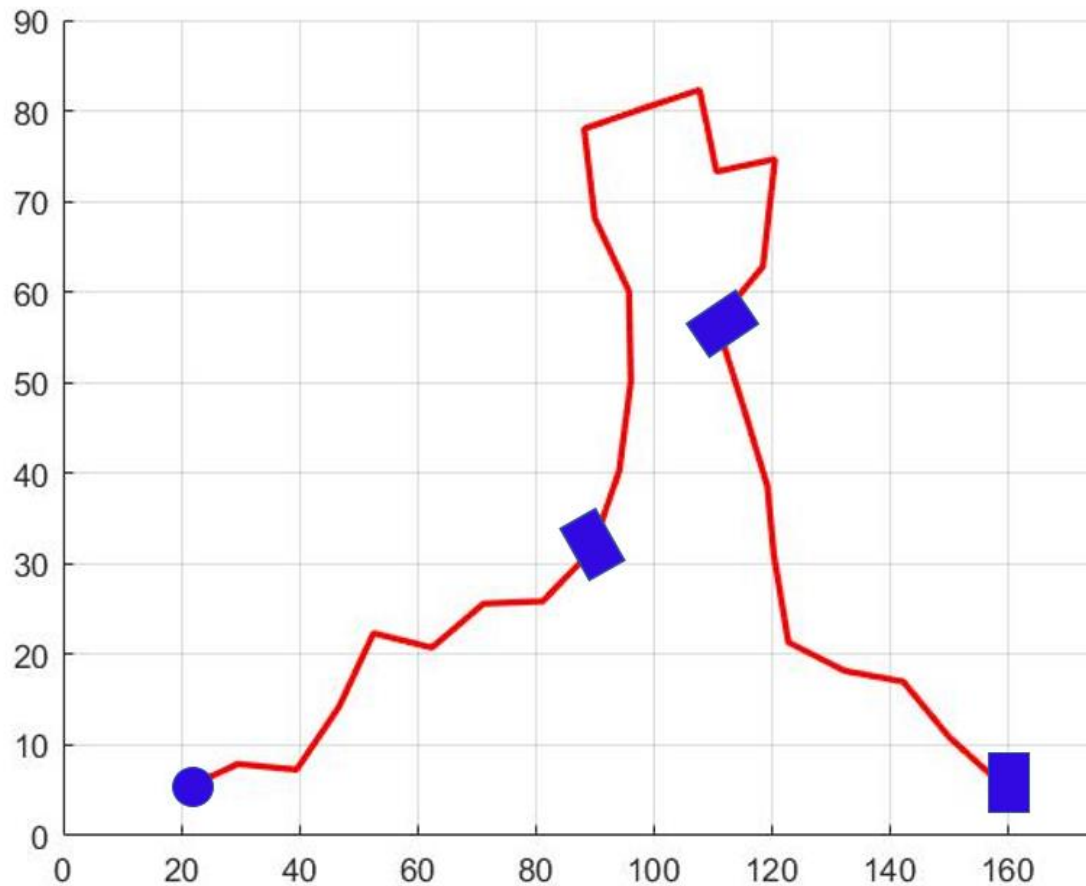
➤ **3D Plots of the Output:**





➤ Path Including Orientation:

The following image shows the pitch angle of the cylinder with respect of the path followed at certain points:



➤ Soda Cans from India:

