

ENPM662 - Fall 2022

Introduction to Robot Modeling

Project-02: Final Report Outline

The final report for Project-02 must contain the sections given below, however, feel free to add more topics if required. Do check the grading rubric for more details of what is expected under each topic.

	Topics	Description
1	Introduction	
2	Application	
3	Robot Type	It should not be a parallel robot
4	DOFs and Dimensions	At least 5 or 6 degrees of freedom
5	CAD Models	
6	D-H Parameters	
7	Forward Kinematics	
8	Inverse Kinematics	
9	Forward Kinematics Validation	
10	Inverse Kinematics Validation	
11	Workspace Study	
12	Assumptions	
13	Control Method	Simple PID or open-loop controller

14	Gazebo & RViz Visualization	
16	Problems Faced	
17	Lessons Learned	
18	Conclusions	
19	Future Work	
20	References	References should be cited within text