Report

- Given Inverted Pendulum problem was good only last goal (goal 3) was little bit hard.
- But overall problem was solved easily.
- Talking about which coding launguage **Python** was used because it easy and all libery is ready to use. And if python was not allowed i will be using Mathlab because it much easy to use and mostly everyone is also familier with it so anyone can understand code eassly
- And for Goal 3 i have used **Linear Quadratic Regulator (LQR)**
- Because it use Eigan Value to solve Inverted Pendulum problem and we can obtain eigan value by matrix.
- And for more information please read **ReadMe** file everything is explaind in detail.