Name: Sahil T Chaudhary

Andrew ID: stchaudh

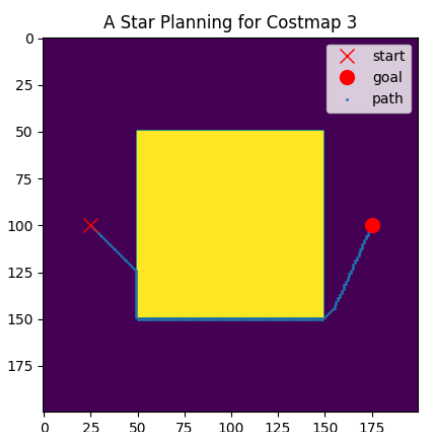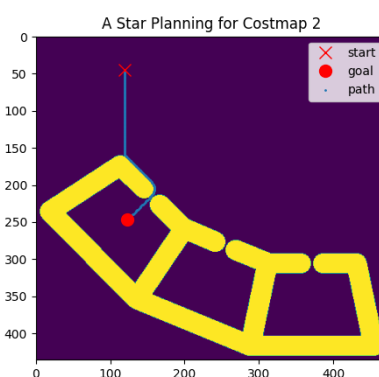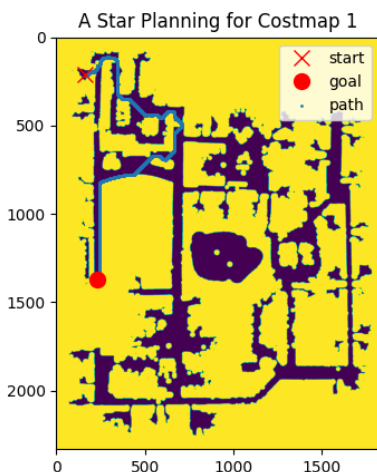<div align="center">

PROJECT-3

</div>

Exercise 1.
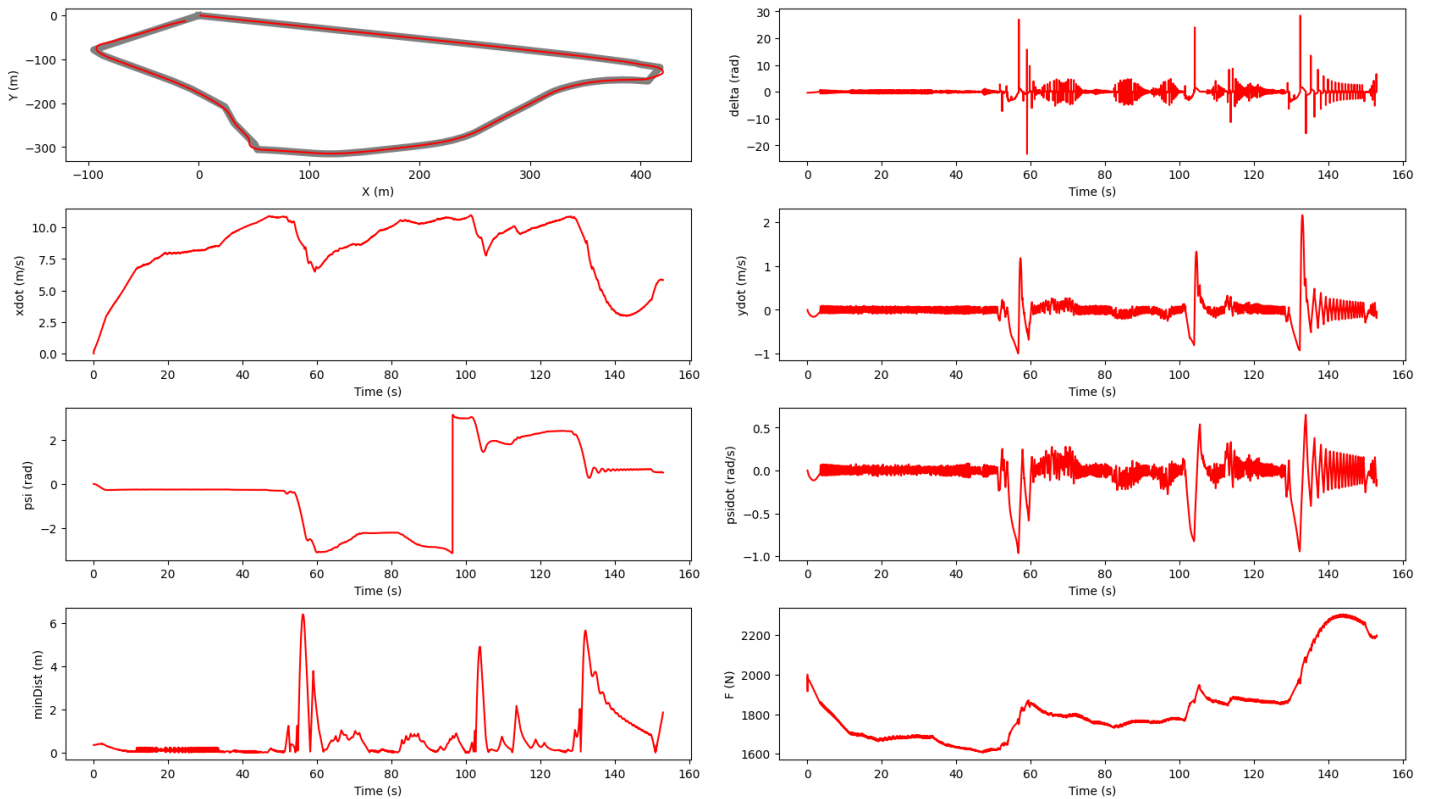

```
Console - All
Score for average distance: 30.0/30.0
Score for maximum distance: 30.0/30.0
Your time is  152.96
Your total score is : 100.0/100.0
total steps:  152960
maxMinDist:  6.394890980743181
avgMinDist:  0.696712017998461
INFO: 'main' controller exited successfully.
```

Exercise 2.

A Star Planning
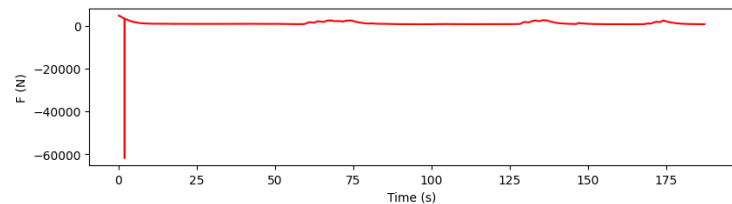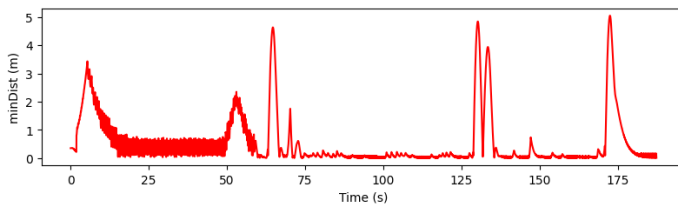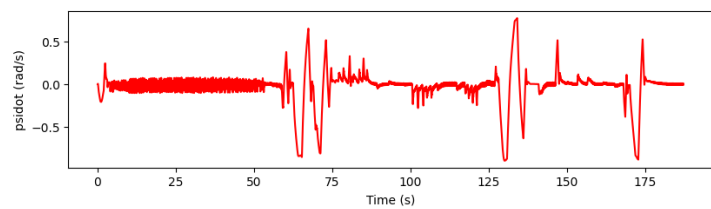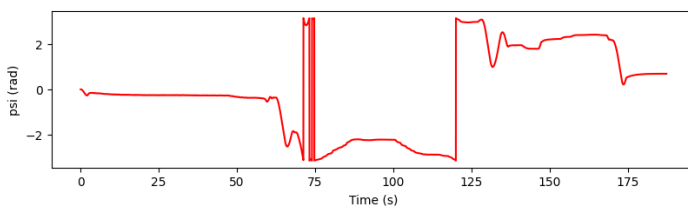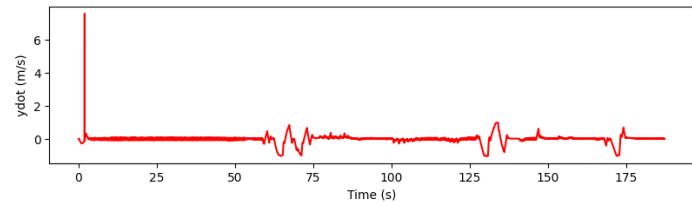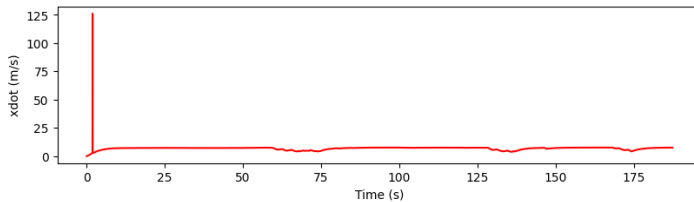
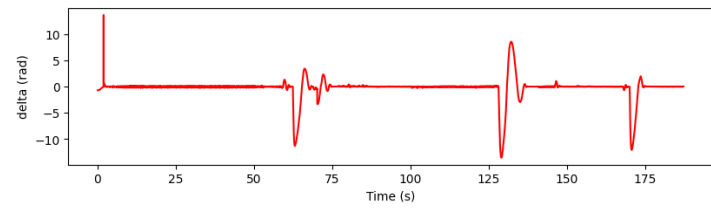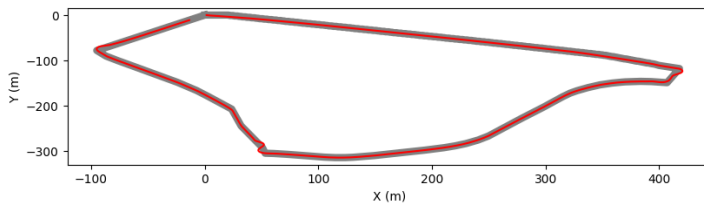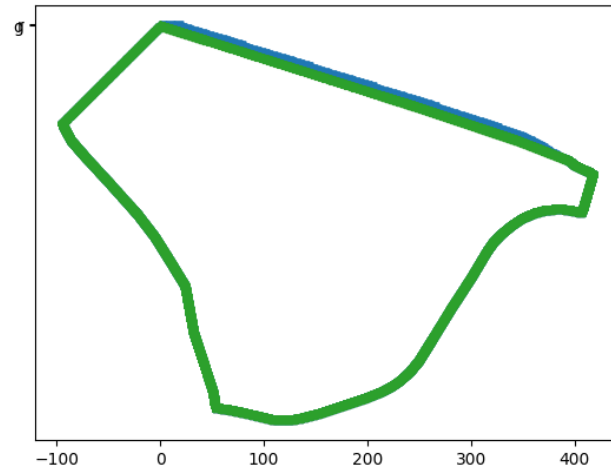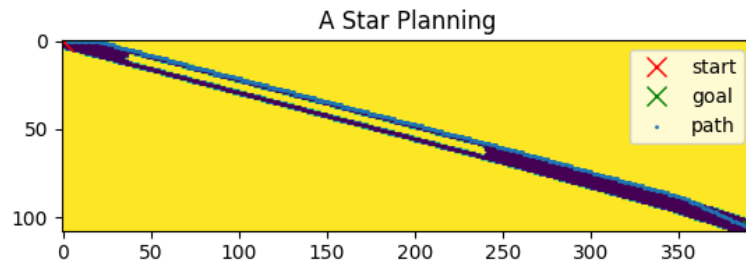Time of completion (based on graphs above): 190s

Console - All

INFO: main: Starting controller: C:\Users\sahil\AppData\Local\Programs\Python\Python38\python.exe -u main.py
INFO: obstacle_controller: Starting controller: C:\Users\sahil\AppData\Local\Programs\Python\Python38\python.exe -u obstacle_controller.py
map size (108, 393)
reach goal
path length 393
total steps: 187296
maxMinDist: 5.04459945001405
avgMinDist: 0.5516731107102213
INFO: 'main' controller exited successfully.