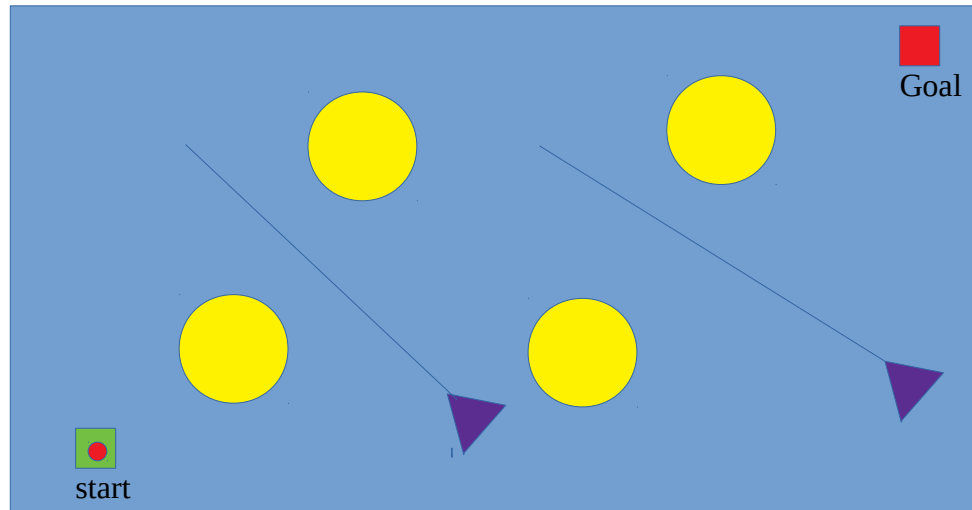


Intelligent Robotics Assignment 2

Consider the following environment in webots



The above environment has 3 point mass robots. One at the start (red circle) and 2 purple robots. The speed of the purple robots is 0.5m/s. They go along the assigned line as shown in the figure using the carrot chasing algorithm. The object is to drive the robot located in the start region to the goal, while making sure, they avoid the obstacles (yellow circular regions) as well as the two purple robots. If your robot is within 2 meters from the purple robot then assume there is a collision. Make sure your path planners take this into account.

Note:

1. students can work in groups and share workload, and submit one report per group in the classroom. The first page should contain this information.
2. Marking
 - 50% for the report.
 - 50% for individual marking through anonymous forms.