

CSIP5202 Lab 5 Handout

- Last lab, you programmed following a path after finding it using a sequence of tasks
- Use the same resources and your own programs from last lab to build on them for this lab
- Program the tasks so that if it loses the wall it goes back to wandering
- Create a obstacles that would get into the way when random wandering
- In this lab you will use your programming (algorithmic) skills more that sensors or actuator based programming
- It is critical to achieve simultaneous tasks in robotics
- Start by trying to implement an FSM to code your behaviours
- Once you have implemented an FSM (so you can switch between behaviours back and forth)
- Try to implement “simultaneous” (concurrent) execution of the tasks...
- *How can you simulate concurrency in the MATLAB simulator programming environment?*