ENPM808X - Final Project - HydraBot

Objective

- To develop a swarm robots architecture to aid in fire rescue operations
- The project should simultaneously navigate each of the 20 robots to the destination machine

Design Process

- Implement Agile iterative software development with pair programming
- Implement test driven development and add code coverage

Approach

- Project uses turtlebot 3 for implementing swarm robot architecture
- Designed in ROS2 with simulations in Gazebo
- The hydra robots navigate to the destination machine with navigation

Deliverables

- Create Github repository with ROS package
- Add ReadMe file with detailed instructions
- Provide AIP project tracker with demonstration