# Supervisor Meeting

# Patrick Devanney and Dr. Jessica Enright

October 14, 2020

1. Meeting Summary
   * 1. Covered what was done in the last week
        1. Python Script
           1. Optimisation of Tower Positioning
           2. Implementation of turn functionality

Jess suggested that I look into keeping the Positioning of the Nodes in the tower the same each turn so that it is easier to track the movement of the Target.

* + - 1. Weekly Plan
         1. Plan was added to GitHub
         2. plan.md
      2. Dissertation Pipeline
         1. Discussed problems with implementing the Pipeline on GitHub
    1. Discussed the benefits of implementing a Test suite, to ensure the code is correct and make it easier to debug in the future.
    2. Discussed the “End Goal” of the project.
       1. To compare the Optimisations made. On tower positioning, searching. Target, positioning and movement on different graphs using different metrics, such as Turns taken.
       2. Draw from the above, Which optimisations work better on which Graphs, if any difference. And what strategies should you apply dependent on the graph given.
    3. Does tower memory effect the finding of a target? (How many nodes does a tower remember the Target has been to)

1. Plan of Work
   1. Continue improving current code base.

Maintain Node positioning between Turns

Split into more files and functions

* 1. Implement Tower optimal searching algorithms.

See last week’s Minutes (M2) for description

* 1. Create testing suite for pre-existing code base
  2. Make another attempt at the Dissertation CI
  3. Begin optimisations for Target node.