Thesis Progress Form

CHARLES DARWIN UNIVERSITY

College of Engineering, IT, and Environment

Name: Shane Reynolds

Unit: ENG720

Title: Automatic generation control of a two area power system using deep reinforcement learning

Supervisors: Charles Yeo & Stefanija Klaric

Time & Date: TBA

1   Progress since last meeting

This is the first meeting

2   Discussion Points

- Determine the particulars for the Supervision Agreement and arrange for both supervisors to sign off on the document

- Discussion of research proposal draft document:

  - General feedback (this document is definitely still in a draft stage and is in need of significant rework to make it better)

  - Is there too much detail in the introduction and background?

  - Is there not enough detail in the Research Aim and Scope?

  - Does the approach need amending?

- Any other comments?

3 Plan until the next meeting

- Continue to revise research proposal

- Commence additional research for literature review

- Commence writing literature review

- Enquire at power utility for data

- Investigate ways to synthesise data

- Develop a data management plan

- Investigate simulation packages

- Investigate programming languages for Deep Reinforcement Learning

_____

Supervisor

March 2, 2020