

*SIT723*

*Research Project - A*

# **Assessment 1.1**

Name: Hung Son Nguyen

Student ID: 220069106

Email: [hsngu@deakin.edu.au](mailto:hsngu@deakin.edu.au)

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2021

## *Task description:*

### Project Agreement

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#### 1. Personal information

- Name: Hung Son Nguyen.
- Degree and Year level: second year student of master degree
- Prior research: None
- IT-related project experience and technical skill: master with C++, Java, Python. I also learn and work with many practices relating to AI library: spyci, scikitlearn, pytorch, tensorflow, pyspark
- Communication skill and project management skill: active listening, clear priorities, collaboration.



#### 2. Unit specific information:

- Expectation from unit: I really want to learn further on research field (continuing on Phd), but I have no experience in research (no publication, no articles). So I hope that I can find out some good ideas in this unit.
- I am studying SIT 723 only in Trimester 1
- I will study SIT724 in next Trimester.

#### 3. Project agreement

### **PROJECT AGREEMENT**

This project agreement is effective on Trimester 1 - 2021 of Deakin

BETWEEN

(The “student”) Hung Son Nguyen. Student ID: 220069106

AND

(The “supervisor”) Francisco Cruz. Faculty of Sci Eng & Built Env.

#### 1. Project information

Project name: Robot control using deep interactive reinforcement learning

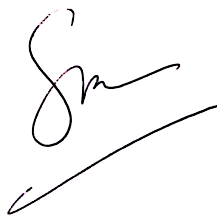
Brief description: The student will work with the deep reinforcement learning approach with interactive feedback applied to a domestic robot scenario. In this context, it is expected to develop a simulated human-robot scenario where the robot observes the environment states by using deep learning approaches and decide actions to perform by means of interactive reinforcement learning.

Target grade: HD

## 2. Project plan agreements

Module	Suggest Deadline	Agreed Deadline
<b>Research Agreement</b>	End of Week 1	End of Week 1
<b>Literature Review</b>	End of Week 4	End of Week 4
<b>Research Proposal, including evaluation plan, research design, and artefact development plan</b>	End of Week 6	End of Week 6
<b>Artefact Development Plan</b>	End of Week 6	End of Week 6
<b>Artefact Development Results</b>	End of Week 9	End of Week 9
<b>Report/Exegesis Submission</b>	End of Week 11	End of Week 11

STUDENT



Hung Son Nguyen  
S-ID: 220069106

SUPERVISOR

Francisco Cruz  
Senior Lecturer