

Supervision Agreement for Research Project Continuation

July 4, 2024

1. Research Project Details

- **Project Title:** Evaluating the Use of Large Language Models for Tutor Feedback Enhancement in Computer Science Education
- **Student Name:** Daniel Maddern
- **Student ID:** 221004619
- **Supervisor(s):**
 - Primary Supervisor: Andrew Cain
 - Co-Supervisor: Julien Ugon
- **Research Unit:** SIT746 Research Project (Advanced)

2. Research Objectives

- To enhance the feedback mechanisms in computer science education using Large Language Models (LLMs).
- To evaluate the effectiveness of LLMs in delivering specific, relevant, and timely feedback.
- To address data privacy, security, and ethical considerations in the implementation of LLM-enhanced feedback systems.

3. Supervision Plan

- **Meeting Frequency:** Weekly meetings to discuss progress, challenges, and next steps.
- **Communication:** Regular communication via email and Microsoft Teams for updates and quick queries.
- **Milestones:**
 - Literature review completion by 1/8/2024
 - Prototype development completion by 1/8/2024
 - Initial testing and evaluation by 31/8/2024
 - Final report submission by 28/9/2024

4. Data Management and Security

- **Data Storage:** Research data will be stored securely on Deakin University's cloud storage services and on secured local home machine.
- **Encryption:** All sensitive data will be encrypted using industry-standard encryption protocols.
- **Access Control:** Access to research data will be restricted to authorised personnel only.
- **Backup:** Regular backups will be performed to ensure data integrity and availability.
- **Compliance:** The project will adhere to Deakin University's privacy policy, Information and Communications Technology Acceptable Use Policy, and Information and Communications Technology Security Policy.

5. Signatures

- Student:  _____

- Primary Supervisor: _____
- Co-Supervisor: _____