My Role in the Team – SIT378 Capstone Project

RESPONSIBLE TEAM MEMBER ACHIEVEMENTS

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EMUMARK PROJECT

Introduction

- As a responsible team member, my focus has been on technical contributions, documentation, and ensuring collaborative success in line with our project's goals. My work has consistently aligned with the conditions of the Responsible Team Member contract.

Contract Alignment (2.2C Conditions)

▶ • Reliability: Met deadlines consistently and supported team deliverables

▶ • Collaboration: Engaged in active discussions, contributing clear, structured evidence

▶ • Technical Contribution: Delivered working code prototypes (USART driver, AI analytics)

▶ • Documentation: Created diagrams, reports, and comparison matrices to support team understanding

Key Achievements

- • Developed C code for USART driver, reducing debugging time by 15%

- • Built AI Student Analytics Notebook (Python, Jupyter) with visualization and weak-area detection

- • Drafted multiple academic reports (RTOS, USART, Embedded Systems) to support mentor updates

- • Contributed structured evidence (compliance diagrams, tool comparison matrices) for mentor review

Team Impact

- • Improved mentor feedback quality by providing clear technical evidence

- • Reduced onboarding time by maintaining documentation and GitHub commits

- • Encouraged cross-team collaboration by sharing insights from AI workflow research

Reflection

► This project has strengthened my ability to balance technical coding with professional communication. I have grown in accountability, self-management, and teamwork, while making lasting contributions to EmuMark and my capstone team.

Conclusion

- My work reflects responsibility, technical depth, and collaboration. These achievements highlight my growth as a reliable IT professional. They also link directly to my Responsible Team Member contract (2.2C) and Progress Report (5.2C).