Griffith UNIVERSITY

Griffith School of Engineering

PROFESSIONAL PRACTICE
CATEGORY A, B & C ACTIVITY LOG SHEET

1. PERSONAL DETAILS

Griffith identification Number							**Family Name:** Barber
5	1	3	8	8	7	7	**Other Names:** Jessy

2. PROFESSIONAL PRACTICE ACTIVITY

CATEGORY (See Note 1)	**A**		**Days** (See Notes 2 & 3)	**5**
Week Beginning	28 / 11 / 22	**Week Ending**	2 / 12 / 22	

Supervisor Name: Alex Forward	**Contact Ph:** +61755492370
Organisation Name: Gilmour Space Technologies	**Email:** alex.forward@gspace.com
Organisation Address: 5 Millennium Circuit, Helensvale	

3. ACTIVITY DESCRIPTION & REFLECTION

Description of Activities Undertaken: (Approximately 50 words)
I was able to apply the previous weeks research to plan software requirements for my applications. After analysing these requirements, I was able to start developing my software applications including the design of test applications to assist my data acquisition process. I was able to get my applications in a working state and could see the data transmission of self-encoded CAN frames into a virtual CAN device defined in a Linux environment, and see decoded messages print to my screen.

Discuss the Engineering Application Abilities Developed: (Approximately 50 words) (See Note 5)
After designing and starting development of my software, I was able to have a better understanding of a systematic approach to an engineering project. This involves seeking out the requirements and scope of the project and using this to ultimately manage a complex task. It was a useful development of my programming ability to understand how software must first be broken down into its functional requirements before writing code.

Discuss the Professional and Personal Attributes Developed: (Approximately 50 words) (See Note 5)
In developing my understanding of software development, I actively sought out advice from software engineers, avionics engineers and systems engineers within the team. In doing so I confidently pursued expert assistance and professional advice. This enlightened me to the benefit of working in a professional team, and the learning experience I can gain from actively seeking information and asking questions. In seeking out this information I was able to develop my understanding of how professional software engineers and systems engineer's breakdown their projects into functional requirements before the coding stage has begun.

4. STUDENT SIGNATURE

Student Signature:	**Date: 3-12-2022**

Notes:
1. See the table provided in the Activity Log Guidelines for the definition of each category of professional practice.
2. For work experience paid on a casual hourly basis, a day of work is taken as 7.25 hours.
3. Only days between Monday and Friday can be counted for research undertaken at Griffith University in Category B Professional Practice, unless prior approval has been granted by the course convenor for 6008ENG.
4. At least one Activity Log Sheet must be provided with each Record Sheet for Professional Practice in categories A, B and C.
5. Refer to the Engineers Australia Stage 1 Competencies.