** 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**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **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**

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| **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**

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