** 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** | **13 / 2 / 2023** | | | **Week Ending** | | **17 / 2 / 2023** | | |
| **Supervisor Name:** Alex Forward | | | | | **Contact Ph:** +61755492370 | | | |
| **Organisation Name:** Gilmour Space Technologies | | | | | **Email:** alex.forward@gspace.com | | | |
| **Organisation Address:** 5 Millenium Circuit Helensvale | | | | | | | | |
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**3. ACTIVITY DESCRIPTION & REFLECTION**

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| **Description of Activities Undertaken:** (Approximately 50 words)  This week my enclosures were fabricated, and I was tasked with making an assembly procedure and heading down to the other building, sitting with the electrical technicians and putting together the enclosures. This was a direct feedback loop as I was in the room with the assembly team and able to receive direct design criticism and feedback. Putting the enclosures together myself also gave me critical hands-on experience that was able to give me even more insight for the enclosure design phase. |
| **Discuss the Engineering Application Abilities Developed:** (Approximately 50 words) (See Note 5)  Designing an assembly procedure was a new key ability I was able to develop using the in-house software that acts as an assembly instruction manual. This involved formulating step-by-step instructions for the assembly procedure and including the fastening components with diagrams. I was then able to see what steps I missed or needed improving by sitting with the technician team and following my assembly procedure. This gave me an opportunity to lead a whole system design cycle and allowed me to develop an understanding of the systematic approach to engineering design. I was able to amend my assembly instructions with missing technical and design requirements to achieve a functional and well-documented assembly procedure. |
| **Discuss the Professional and Personal Attributes Developed:** (Approximately 50 words) (See Note 5)  Sitting with the technicians and assembling my own design was an amazing experience because it gave me the opportunity to be self-critical about my own design and helped me understand the importance of being a member of a professional team on a larger scale. The technicians had valuable insights from their experience assembling avionics devices and enclosures and I was able to draw upon that to assist me in future enclosure designs. |

**4. STUDENT SIGNATURE**

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| **Student Signature:** | **Date:** |