



PROFESSIONAL PRACTICE

CATEGORY A, B & C ACTIVITY LOG SHEET

1. PERSONAL DETAILS

Griffith identification Number

5 1 3 8 8 7 7

Family Name: Barber

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

3. ACTIVITY DESCRIPTION & REFLECTION

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

Student Signature:

Date: 18-2-2023

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.