Weekly IBL Report Template

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Employer: MEAI

Week #: 2   **Total hours this week: 15.2**   **Total hours so far: 30.4**

Date: 25/03/2024

As part of the IBL program, students are required to submit a Reflective diary, 400-word submitted weekly by email : ibl@cs.latrobe.edu.au

This is worth 40% of total assessment for the subject, and is relevant to Intended Learning Outcome 2: Apply learned skills to industry, and describe, analyse and evaluate application of such skills to industry.

Please provide a brief summary of your IBL experience on a weekly basis using the questions below.

Brief summary of activities undertaken this week:
This week, our primary task was data collection. We gathered relevant datasets from various sources, ensuring comprehensive and accurate data for our project. This involved cleaning and pre-processing the data to remove any inconsistencies or errors. By the end of the week, we had a robust dataset ready for analysis.

Please provide an example of how you have applied the skills/knowledge learnt at university to the tasks undertaken this week:
The skills and knowledge from my courses on Data Exploration and Analysis and Database Fundamentals were particularly useful this week. These courses taught me the importance of data quality and the techniques required to gather and clean data effectively. For example, the data extraction techniques learned in Database Fundamentals helped in efficiently retrieving data from multiple sources. Similarly, the data cleaning and preprocessing methods from the Data Exploration and Analysis course were applied to ensure that the dataset was free from inconsistencies and ready for analysis.

Did you feel your learnt academic skills were applied in the professional work setting?
Yes, the academic skills I acquired in data collection and pre-processing were directly applied in gathering and preparing the datasets. The theoretical knowledge from my courses helped me understand the importance of accurate data and the practical steps needed to ensure its quality. My familiarity with data extraction, cleaning, and

preprocessing processes made it easier to handle large volumes of data and ensure its readiness for the next phases of the project.

What professional skill would you like to further develop this week and why? Please choose a different skill each week.

This week, I aimed to improve my attention to detail. Data collection and pre-processing require meticulous attention to ensure the accuracy and reliability of the dataset. Enhancing this skill will help me ensure that the data we use for analysis is of the highest quality. Accurate data is crucial for the success of any data science project, and being detail-oriented will help in identifying and correcting errors early in the process.

How do you plan to use your IBL Experience to reach your career aspirations and enhance career outcomes? Please have a weekly goal on career enhancing activities.

By showcasing my ability to handle and preprocess large datasets, I will be able to demonstrate my technical proficiency and attention to detail to potential employers. This documentation will be an integral part of my professional portfolio, highlighting my readiness for data-driven roles and my commitment to maintaining high standards of data quality.

What is the key activity/learning outcome/achievement from your IBL program this week that you would add to your professional career portfolio?

The key achievement this week was successfully collecting and cleaning a comprehensive dataset. This prepared us for the next phase of the project, ensuring we have reliable data for analysis. The ability to gather and preprocess data effectively is a fundamental skill in data science, and this week's activities reinforced my capability in this area.