Section C
Student Reflection

Student Reflection Week: __3 to 10__   **Date from:** **25/3/2024**   **to**   **17/5/2024**

S/N	Student Reflection
Technical competency	Please reflect on (a) the theory of what you have learnt in school with the application of what you learnt in the workplace (b) things you did well/did not do well and (c) things you will like to work towards improving in the next month.
	In school I learnt basic coding methods and languages such as C++, C and Java. School only taught me entry-level, basic understanding of code without much workplace significance, especially in data analytics and AI Machine Learning.
	The coding techniques I learnt could only aid me in logic level processing, where for more advanced techniques and data processing. I had to rely on YouTube, GitHub, and open-source documentation to understand more code and apply them in the work I was doing. When it came to detailed requirements of the projects I could not rely on my learning from school and used trial and error to get the desired results.
	I was able to self-learn an entire language during this period and was able to create a full functional dashboard for image processing and analysis for Real-Time Defect Analysis for my department and company. With proper documentation and slides, the dashboard can be used by anyone.
	In the next few months, I aim to improve my competency in python and other languages as well as html and maybe CSS for website development and design
Soft-skills competency	In terms of communication, teamwork and other lifelong learning skills please reflect on (a) things you did well/did not do well and (b) things you will like to work towards improving in the next month.

	I was able to communicate effectively with my supervisor to discuss his requirements and desired outcome for this project to understand what the project deliverables are and how I can help achieve his goal
	I wish to work towards communicating with other engineers in the same department to get feedback for the project I am working on

Soft-skills competency	Based on your interaction with a work colleague who is from a different background/ culture (e.g. education, age, nationality or race), what have you noticed about him/ her that is different (e.g. in terms of values, behaviours, attitudes, communication style, etc)? Have you observed or was part of a discussion where perspectives were differing? What did you learn and how will you do things differently?
	I have interactions with work colleague, but I have not noticed anything different in terms of values, behaviours, attitudes, or communication style. Most of my colleagues, work hard and are goal-driven working longer than required to finish the task. The only difference so far was the difference in meeting culture. Here most of the meeting are on zoom despite the availability of meeting rooms, this could be due to everyone being very busy and minimal free time to arrange a time and place for meetings. Most of the time, only department meeting are held physically with other meeting held on zoom.
	Apart from that, no part of our discussion had differing perspectives.

Section C
Student Reflection

Student Reflection Week: __11 to 18____   **Date from:** **20/5/2024**   **to**   **12/7/2024**

S/N	Student Reflection
Technical competency	Please reflect on (a) the theory of what you have learnt in school with the application of what you learnt in the workplace (b) things you did well/did not do well and (c) things you will like to work towards improving in the next month.
	In school I learnt the importance of readable, reliable, and accurate data. In real-time defect analysis, the data we are provided are essential in identifying trends and outliers. Additionally, these data points would assist users to figure out the underlying problems, enabling quick fixing before a larger issue occurs.
	In Micron, quality of our products has been a major driver for our success. To uphold the brand of quality and reliable memory solutions, RDA is needed to weed out defects before it reaches the consumer. Hence, I was able to apply this knowledge to create data visualisations that would enable RDA for certain processes in the assembly line.
	By converting raw unreadable data to a csv file or database. Information is stored in an appropriate location and can be tracked over time. This would extend the scope of the analysis.
	I was able to complete the project early based off my understanding. However, continuous improvements were required to make it more user friendly and tailor to stakeholders' requirements.
	I should have asked more question frequently to reduce late updates before production
	I want to complete the project quickly and handover as soon as possible. So, any queries can be answered while I'm still at work

Soft-skills competency	In terms of communication, teamwork and other lifelong learning skills please reflect on (a) things you did well/did not do well and (b) things you will like to work towards improving in the next month.
	I was able to communicate efficiently with team members from various departments such as Smart Manufacturing and Process Equipment Engineering to solve ongoing issues and provide the best for data analysis.
	During the few weeks, I faced a lot of technical and permission issues due to lack of clearance and familiarity with the problem. I had to engage services from team members from Malaysia, India and HQ at Boise, Idaho, USA. Due to time zones difference and complicated request, I had to engage with them consistently to resolve ongoing issues over the weeks. Thanks to effective communication with all parties, the project was able to be completed before deadlines.
	In the next month, I wish to be able to communicate with my department well, to reduce possibility of issues with the project after I leave.

Soft-skills competency	Based on your interaction with a work colleague who is from a different background/ culture (e.g. education, age, nationality or race), what have you noticed about him/ her that is different (e.g. in terms of values, behaviours, attitudes, communication style, etc)? Have you observed or was part of a discussion where perspectives were differing? What did you learn and how will you do things differently?
	When engaging with the American Counterparts, It was direct and quick. Despite the request, he resolved the issue according to my needs.

When engaging with the Indian Counterparts, there were some barriers due to language and some information lost in translation. The issue was resolved eventually after several revisions.

When engaging with the Malaysian Counterparts, they were quick and followed the request without question.