

LOG BOOK**WEEK NO: 9 – 10**

Week No	Date	BRIEF DESCRIPTION OF DAILY ACTIVITIES
9	30/10 – 3/11	I was engaged in a variety of activities. These included initiating the material number creation process for component procurement, crafting exercises for the WebIQ challenge, and addressing technical issues with the ctrlX Motion Apps. I also had discussions and meetings with colleagues to ensure progress in these tasks. Towards the end of the week, I managed to resolve the issue with the ctrlX Motion Apps and continued preparing for the upcoming mini-hackathon.
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Logbook Weekly Evaluation by HOST COMPANY SUPERVISOR					
Instruction to Host Company Supervisor Please refer to the student's Logbook Report to assess his/her performance. Please award the scores based on the range below:					
Student's Score	Beginning (<2.0)	Developing (2.0 to <3.25)	Accomplished (3.25 to <4.0)	Exemplary (4.0 to 5.0)	Score
Tasks Accomplishment & Commitment (CLO4)	Partially accomplished given tasks despite full supervision	Accomplished given tasks but with full supervision	Accomplished given tasks but with some supervision	Accomplished given tasks with very minimum supervision	/5
Attendance & Punctuality (CLO4)	Frequently absent and always late	Sometimes absent and sometimes late	Never absent and almost always on time	Never absent and always on time	/5
Attitude & Self Control (CLO4)	Unable to demonstrate positive attitude and hardly maintained self- control under pressure	Occasionally demonstrated positive attitude and occasionally maintained self-control under pressure	Sometimes demonstrated positive attitude and maintained self- control under pressure	Consistently demonstrated positive attitude and consistently maintained self- control under pressure	/5
Total Score					/15
Comments:					
Host Company Supervisor's Signature & stamp:					
Name & Designation: Lee Yong Qiang (Sales Application Engineer)					
Date:					

(make copies if necessary)

DETAIL REPORT

WEEK NO: 9

Objective(s) of the activities :

Preparing for component, exercises, slides, and templates for WebIQ. In addition, to discover a viable solution for conducting a basic simulation with ctrlX Motion and ctrlX 3D Viewer applications, as well as addressing functional issues within ctrlX Motion Apps.

Contents :

On 30/10/2023 (Monday), I received a response from the Purchasing Team, stating that we must obtain an approved material number before proceeding with component procurement. To initiate the material number creation process, I began by preparing the initial datasheet and filling out the material creation form for the required component. Once all the necessary preparations were complete, I submitted all the documents to the Quantity Management and Methods (QMM) Department for approval. In addition to this, I've also commenced work on crafting an exercise for the WebIQ challenge, which will be used in the upcoming mini hackathon.

On 31/10/2023 (Tuesday), I conducted a meeting with the QMM Department to clarify the specific information required for the Material Creation Form and was informed that the material creation process may be time-consuming. Following the meeting, I reported this matter to a senior application engineer and had a brief discussion. Fortunately, we discovered that there were some components with existing approved material numbers, albeit with potentially different specifications. We decided to proceed with these approved materials. Subsequently, I completed the Purchase Order Form and seek approval from our Head of Department (HOD). Additionally, I continued my work on the exercise slides for the WebIQ challenge.

On 01/11/2023 (Wednesday), I've completed the slides for the WebIQ challenge and prepared a basic template for the participants. Furthermore, I successfully obtained approval from our Head of Department and promptly forwarded it to the Purchasing Team. Subsequently, I delved into finding the best solution for conducting a basic simulation with a three-axis kinematic robot, utilizing the ctrlX Motion and ctrlX 3D viewer applications. During my search for the solution, I encountered an issue with the functionality of my ctrlX Motion Apps and initiated efforts to resolve this problem. Regrettably, my quest for a solution did not receive any helpful information. Consequently, I decided to post my issue within the community, seeking professional assistance, and temporarily switch to virtual mode in order to explore potential solutions for the simulation.

On 02/11/2023 (Thursday), I have finished creating the WebIQ template that will be provided to the participants. Additionally, I have gathered all the necessary ctrlX Automation components, including ctrlX CORE, ctrlX IO, and the ctrlX Bus Coupler, which will be supplied to the participants during the mini-hackathon. I also attended a meeting with a senior application engineer and a senior intern to update the preparations for the exercise challenges in the mini-hackathon. During the meeting, we reviewed and provided feedback on each of the exercises that have been prepared.

On 03/11/2023 (Friday), I managed to find a solution for the issue with the ctrlX Motion Apps by integrating them with the ctrlX 3D Viewer apps to enable a basic simulation for the three-axis kinematic robot. Following this, I began to work on preparing the Motion Apps Slide, which will be used in the mini-hackathon. Despite my efforts, I continued to search for additional information regarding the problem I encountered with my ctrlX Motion Apps, but unfortunately, I was unable to find any useful information that could assist me in resolving the issue.

DETAIL REPORT

WEEK NO: 10

Objective(s) of the activities :

Contents :

On 06/11/2023 (Monday), I have finished creating the slide for the ctrlX Motion App, which will be provided to the participants in the upcoming mini-hackathon. Additionally, I've prepared an Excel file in which I've recorded all the serial numbers for the ctrlX Automation components. I also assisted our business partner, mPlex from Bayan Lepas, in resolving an issue related to installing a palette in ctrlX Node-Red. We successfully addressed the problem, which was a conflict between the PostgreSQL palette and the node-red-contrib-led-fork palette. We resolved this issue by reviewing the installation palette log and replacing node-red-contrib-led-fork with the node-red-contrib-led palette.

On 07/11/2023 (Tuesday), In the Excel file that we created, we distributed the ctrlX CORE to each team member. I ensured that I checked and installed all the necessary apps onto the ctrlX CORE. Additionally, I provided assistance to mPlex with a new issue they were facing. They reported that their switch function node in ctrlX Node-Red was missing the "add rule" button. While troubleshooting, I discovered that their Node-Red version was 20, which didn't match with their ctrlX CORE running version 18. I helped them reinstall a compatible version of ctrlX Node-Red, but the issue with the switch function node persisted. Furthermore, I identified that they were encountering a scheduler configuration problem with their ctrlX CORE. I assisted in resolving this issue by deleting a placeholder file in the scheduler. Unfortunately, despite our efforts, we were unable to resolve the switch function node problem. Consequently, I posted this issue to the Node-Red Community for further assistance.

On 08/11/2023 (Wednesday), I created a schematic illustrating the connection of our component, as requested by our supplier, FMEFamax. This schematic aims to enhance clarity regarding the interconnections.

On 09/11/2023 (Thursday), I have prepared a yellow form to facilitate the collection of the Ethernet Harting Switch from the store. Additionally, I have obtained verbal confirmation from the designated People in Charge assuring the availability of the item on the morning of 10/11/2023.