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| **Task (Willingness & Creativity)** | **Reason for Selection** |
| **Link: .**  <https://trello.com/c/ZtJoU3L5>  **Title: .**  Assist Dr.Yun with CB Simulation  **Objective:** Occur signals for Dr.Yun and help him to verify CB simulated waves and debug if any problems is deteted during the process. | I had to make a CB simulator depending on  the criteria which is needed to generate  various events to ACQ. A CB Tester from Omicron is highly expensive and require Months to import and also require a Lot of space for installation. I applied a benchtop small device to simulate CB for ACQ. It assures that Dr. Yun have seen expected results from the generated data. |
| **Link: .**  <https://trello.com/c/jYVfDYd4>  **Title: .** Create a circuit board for bushing Simulation test. **Objective:** Build the circuit with with a varying resistor and capacitor for the Bushing test. Should be able to detect ‘Ir’ and ‘Ic’ from the circuit. | Similar to the CB simulator I also build a simulation device for testing our LU with augmented Bushing data. |
| **Link: .**  https://trello.com/c/wem7plFe  **Title: .** Create a DSP Monitoring Tool **Objective:** Tool has been created to monitor the amounts of currents on DSP. | It was necessary to visually monitor the calculation outputs done by DSP. So I created a GUI program to visualize the data as a graph representation. |
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Name : Khandoker Mohd Mazidul Haque

Team : PDA

Leader : Jin Tak Lee

Director : Dr. Yun

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| **Task (Willingness & Creativity)** | **Reason for Selection** |
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| **Link: .**  https://trello.com/c/7hamo3Fn  **Title: .**  Pass the 15sec data chunk to LU process.  **Objective:** Signal LU to save 15 seconds of data to data files after DSP has detected and written OLTC data to RAM. | To detect the Motor current waveform from OLTC I had to apply some new features in DSP to analyze and record current waveform into a buffer all the time. So whenever a desired signal is detected, it records 15 sec of data and send it to the LU. |
| **Link: .**  <https://trello.com/c/P1sHhxed> **Title: .**  Visualize phasor bushing data at zero crossing.. **Objective:** The task is to visualize the phasor data at zero crossing on the chart created by python code. | We need to visualize Phasor Diagram from the input. The Input can come from Mtr or Bushing. I created a tool to visualize the phasor calculated from dsp. |
| **Link: .**  https://trello.com/c/piBC0jcL  **Title: . Get the phasor data right out of DSP instead of MPU Objective:** PT and CT phasor values coming directly from DSP to the custom Python Program. | It was a temporary modification of DSP Code to check and validate the data reading from the CT and PT sensors. I created a tool and a data format where dynamic columns of data can be graphed directly from DSP. |
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| **Link: .**  <https://trello.com/c/e1drmPnx>  **Title: . Choose TPI-interface to get Tap Position Objective:** Need to install TPI-Interface to our MLU Panel in order to interface currents (mA) between TPI and MLU. You would need to check the following to choose the suitable TPI-Interface: | It was initially detected by me that there is no available TPI hardware dedicated for Tap Position. So I entirely designed a new hardware to apply TPI to our LU. |
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Summery:

The client or consumer of this project does not completely aware of features that they require. The provided document has a lot of issues that is not relevant or inappropriate and there are also lot of missing information that we are not aware of. In this scenario I am implementing the features from my previous job experience.

I am trying to stay aligned with the team leader about the code and technologies. Also I discusses with other team members for Knowledge transfer and they are very helpful.

At the same time, I also try to help my other team members to develop the project properly since I am able to code in Multiple Languages.

I am expert at hardware issue solving on site installation and testing. I went to most of the sites during various testing and inspection of our system.

I am and always will be Loyal to the company’s rules and regulation and to my senior executives.