SECTION C
Weekly Journal

Week : 17   Date from: 1/7/2024   to   5/7/2024

Department/Section Attached: Assembly Metrology

Day	Tasks Record
Monday	• Created an API using HTTPS protocol with SSL. • Failed to work due to improper certification and encryption.
Tuesday	• Fixed Python API which uses HTTPS Protocol with SSL. • Images are now able to be displayed on a secure encrypted server.
Wednesday	• Created a website on the API for easier navigation to websites and data folders using HTML and CSS • Onboarded other application to the same API for secure communication and encryption of data
Thursday	• Modified API for Image displaying to create a multicolumn image display. • Modified File Converter Application to store resized images, based off index, defect count, strip, lot, and device.
Friday	• Implemented transaction logs for the API. • Saved all transaction into a database for additional analytics

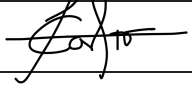| Describe one task in more details with diagrams or photos attached.
Explain the importance/relevance of this task to the company. |
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The HTTPS ensures trustworthiness of the website, essential for Micron with large amount of IP data passing through. The HTTPS using SSL Protocol allows for enhanced security of data passed through the API, by encrypting the information so Micron′s data would not be stolen in the event of an attack. This also ensure proper authentication of the website providing a safe environment for use. Hence, by utilizing HTTPS and SSL Protocol, Micron′s competitive and proprietary intellectual property can be kept confidential

Assessment on Student
Grading Scheme :

A (Excellent)	-	Consistently exhibit qualities beyond expectation and norms.
B+ (Very Good)	-	Exhibit qualities above expectation and the norms.
B (Good)	-	Exhibit qualities which are considered necessary to produce good quality work.
C+ (Good Credit)	-	Exhibit good qualities which are the norm.
C (Credit)	-	Exhibit acceptable qualities which are the norm.
D (Pass)	-	Exhibit qualities which varies between the norm and unacceptable standard.
F (Fail)	-	Exhibit qualities which are not acceptable and are hindrances to operations.

Conduct: A	Attendance: A	* Regular / **Average** / Poor
Performance : A	Punctuality: A	* **Satisfactory** / Unsatisfactory
Remarks :		

Name of Supervisor :	Francis Castro	Signature :	
*Delete whichever is not applicable		Date :	