SECTION C
Weekly Journal

Instruction to Student:
1. On a daily basis, record the specific task that you carried out for that day.
2. At the end of every week, describe one task in more details with diagrams or photos attached.

Week : 8   Date from: 29/4/2024   to 3/5/2024

Department/Section Attached: Assembly Metrology

Day	Tasks Record
Monday	• Improved readability and efficiency of code. • Fixed bugs in the code. • Studied how to use python for automation.
Tuesday	• Studied event detection and watching with python. • Created slides to explain functions and how to use the streamlit dashboard. • Documented the code for easier upgrading and debugging.
Wednesday	• Labor Day Holiday
Thursday	• MC
Friday	• MC

Describe one task in more details with diagrams or photos attached. Explain the importance/relevance of this task to the company.

How to use the Dashboard

5. Select Inverse and Canny Setting for dark*
   0 – 255 (0 = Black , 255 = White)

6. Select Inverse and Canny Setting for light*
   0 – 255 (0 = Black , 255 = White)

7. Click on Threshold to View Image

*Input Value:
(Lower Inverse Value, Upper Inverse Value,
Min Canny Value, Max Canny Value)

Enter four comma-separated values: ⑤
45,100,50,100

Threshold 1

Enter four comma-separated values: ⑥
70,255,70,255

Threshold 2

Add Threshold

This week, I created a deck of slides to explain the functions and uses of the dashboard that I created. This deck of slides is used to teach new users how to use the dashboard for themselves as well as to learn how each setting functions and its effects on the accuracy of the readings.
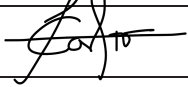
These slides are essential to ensure continuous use by engineers and technicians from related departments both in MSB as well other sites dealing with the flip-chip process. By allowing Micron team members learning of this dashboard, defect analysis of the flip-chip will not be limited, ensuring timely improvements when a pattern from the defects is seen.

Name of Supervisor :	Click or tap here to enter text.	Signature :	
*Delete whichever is not applicable		Date :	