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 : 14 Date from: 10/6/2024 to 14/6/2024

Department/Section Attached: Assembly Metrology

Day	Tasks Record
Monday	• Programmed insertion of python variables into a html content format. • Programmed email sending to user in streamlit. • Able to add additional text to the email and update the html format in realtime.
Tuesday	• Testing out power automate and flows for email updates for file transfers. • Used power automate to transfer files into sharepoint to substitute saving files on network folder.
Wednesday	• Continued testing out sharepoint to connect data to tableau. • Unable to union multiple files without 3rd party library and limited transfer memory.
Thursday	• Used a zip file to transfer data to tackle file size limit. • Unable to extract contents from folder.
Friday	• Found and resolved an issue causing row duplication in datasheet. • Fixed issues around streamlit dashboard. • Continued adding feature improvements for python scripts

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

Hi Team Members,

The following is the UF analysis for UBLD. Please validate data shown below.
For clarification, contact MSB Metro-RDA team.

IMPORTANT: Underfill Analysis Results

Underfill Analysis Details:

Lot ID: { LotID }

CapSub ID: { CapSub }

Defect/Non-Defect: { defect }

Quantity: { quantity }

UBLD Underfill Heatmap

Percentage of Bleeding = { bleed_percentage }%

Comments:
{''.join(f'
{comment}
' for comment in comments)}

Links
UFADC Streamlit Analysis
UFADC Dashboard

Best Regards,

MSB Metro-RDA Team

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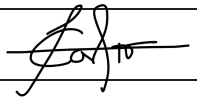
Having an email service embedded into the dashboard eases the processes for the engineers after detection of anomalies. From detection, to identifying, to analysis, to rectification. The dashboard and emailing service streamlines the process for identifying and analysis and hopefully detection as well. Additionally, the email allows engineers to inform relevant departments with the relevant information for quick and prompt problem solving, reducing the time spent during potential downtime, increasing yield and reducing defects. This mitigates potential risk and provides regular updates and feedback to other engineers ensuring a successful assembly line. To further increase automation, AI API can be used to process the image and provide comments, a successful automation through the connection with the main database can allow analysis for all lots, flagging suspicious and potential defects.

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 :	Click or tap here to enter text. Francis Castro	Signature :	
*Delete whichever is not applicable		Date :	