SECTION C
Weekly Journal

Week : 15   Date from: 17/6/2024   to   21/6/2024

Department/Section Attached: Assembly Metrology

Day	Tasks Record
Monday	• Public Holiday
Tuesday	• Continued experimenting with Power Automate for file uploading. • Optimized application to decrease computational expense and memory usage. • Conducted testing with another
Wednesday	• Worked on presentation slides and handover process. • Compiled all work into zip with proper documentation for easier understanding. • Added additional features to reduce chances of crashing.
Thursday	• Onboarding onto Virtual Machine • Transferred code and began testing on virtual machine to run in background. • Found many permission errors due to code running on network server.
Friday	• Resolved data source issue with tableau server. • All data sources extracted and refreshed automatically. • File conversion python script running in background without errors. • Included repeated looping of conversion in the event of permission failure/error.

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


```
s (from gitdb<5,>=4.0.1->gitpython!=3.1.19,<4,>=3.0.7->streamlit->-r requirements.txt (line
Requirement already satisfied: attrs>=17.4.0 in c:\programdata\anaconda3\lib\site-packages (
air<6,>=4.0->streamlit->-r requirements.txt (line 1)) (22.1.0)
Requirement already satisfied: pyrsistent!=0.17.0,!=0.17.1,!=0.17.2,>=0.14.0 in c:\programda
kages (from jsonschema>=3.0->altair<6,>=4.0->streamlit->-r requirements.txt (line 1)) (0.18.
Requirement already satisfied: mdurl~=0.1 in c:\programdata\anaconda3\lib\site-packages (from
rich<14,>=10.14.0->streamlit->-r requirements.txt (line 1)) (0.1.0)

C:\Python Application\UF Analysis Streamlit>python -m streamlit run Home_Dashboard.py

  You can now view your Streamlit app in your browser.

  Local URL: http://localhost:
  Network URL: http://              :
```

Using a virtual machine on the company's server, the python script will be able to run continuously past working hours in the background. This allows the dashboard to be accessible by anyone under the company's network, additionally, this separates the computing power from the local computer allowing for other processes and work to be done simultaneously. As for the file convertor, since the assembly line does not stop, files can be uploaded at any time. Hence if the file convertor is not running, the file would be missed and would not be converted and would require every file to be checked and converted, increasing memory usage and computational expense. Using a network virtual machine also allows for other administrators and authorized users to access and make fixes to the code if there is an issue. Additionally, by uploading onto a virtual machine, monitoring, handover is much easier due to shared access. Thus reducing chances of lost of data and work.

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 :	