

Digital ID Card Automation project using UiPath:

1. Set up your project environment:

- Install UiPath Studio and configure necessary settings.
- Create a new project and set up the necessary folders.

2. Read Student Details Excel File:

- Use the "Read Range" activity to read the details of students from the Excel file.
- Store the data in a DataTable variable.

3. Iterate Through Each Row:

- Use a "For Each Row" activity to iterate through each row of the DataTable.

4. Fill Details in ID Card Template Excel File:

- Inside the loop, use activities like "Excel Application Scope" to open the ID card template Excel file.
- Use Excel activities to fill in the details from the current row of the DataTable into the template.

5. Convert Excel to PDF:

- Utilize activities to convert the filled Excel template to PDF format.

6. Send Email with PDF Attachment:

- Use the "Send SMTP Mail Message" activity to send an email to the student.
- Attach the generated PDF to the email.
- Retrieve the student's email address from the current row in the DataTable.

7. Check for Errors:

- Implement error handling to check if there are any issues in the generation of the ID card.
- If there's an error, send a Google Form link for corrections.

8. Google Form Correction Process:

- Use the "Send SMTP Mail Message" activity to send the Google Form link to the student for corrections.

9. Web Scrape Google Form Responses:

- Set up web scraping activities to extract responses from the Google Form.
- Store the responses in a DataTable.

10. Iterate Through Form Responses:

- Use a "For Each Row" activity to iterate through each response from the Google Form.

11. Repeat ID Card Generation for Corrected Responses:

- Repeat the process of filling details in the ID card template, converting to PDF, and sending emails for corrected responses.

12. Finalize and Document:

- Implement any necessary finalization steps.
- Document your workflow, including variables, activities, and dependencies.

13. Test the Workflow:

- Perform thorough testing to ensure the workflow functions as expected.

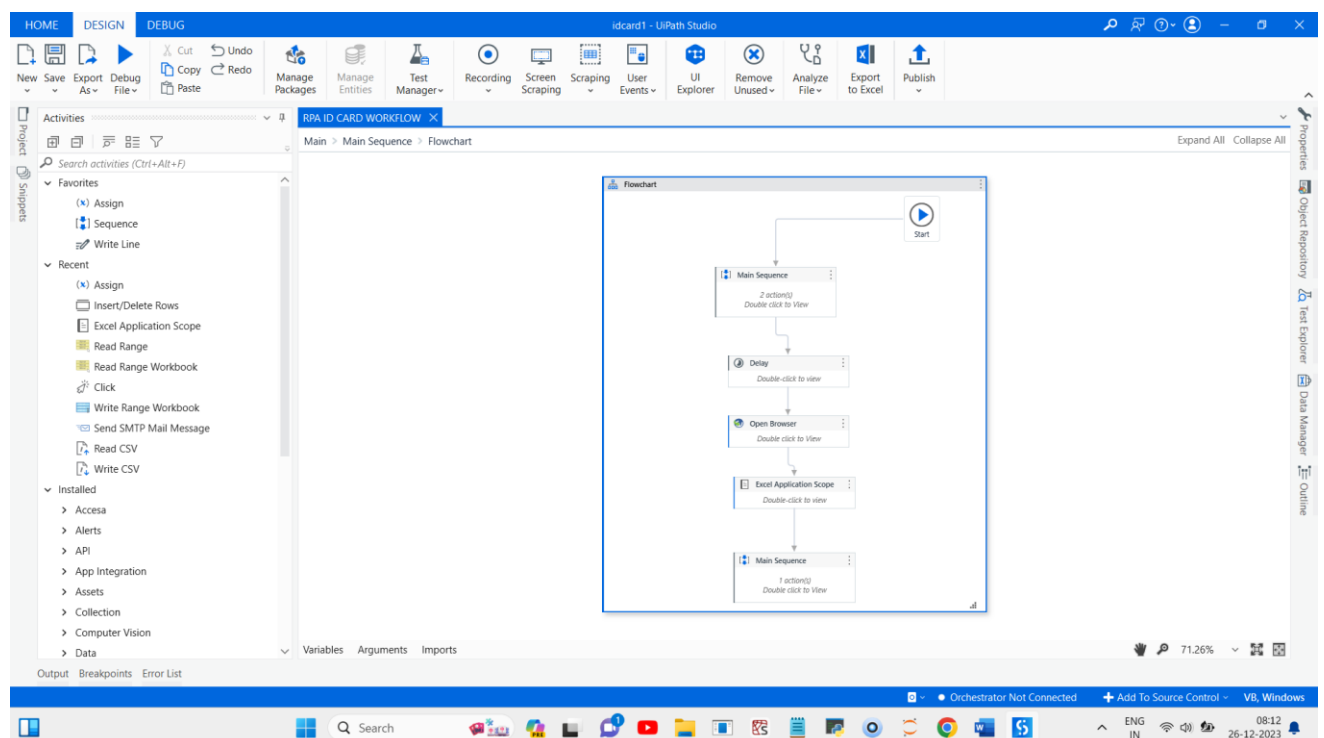
14. Run the Automation:

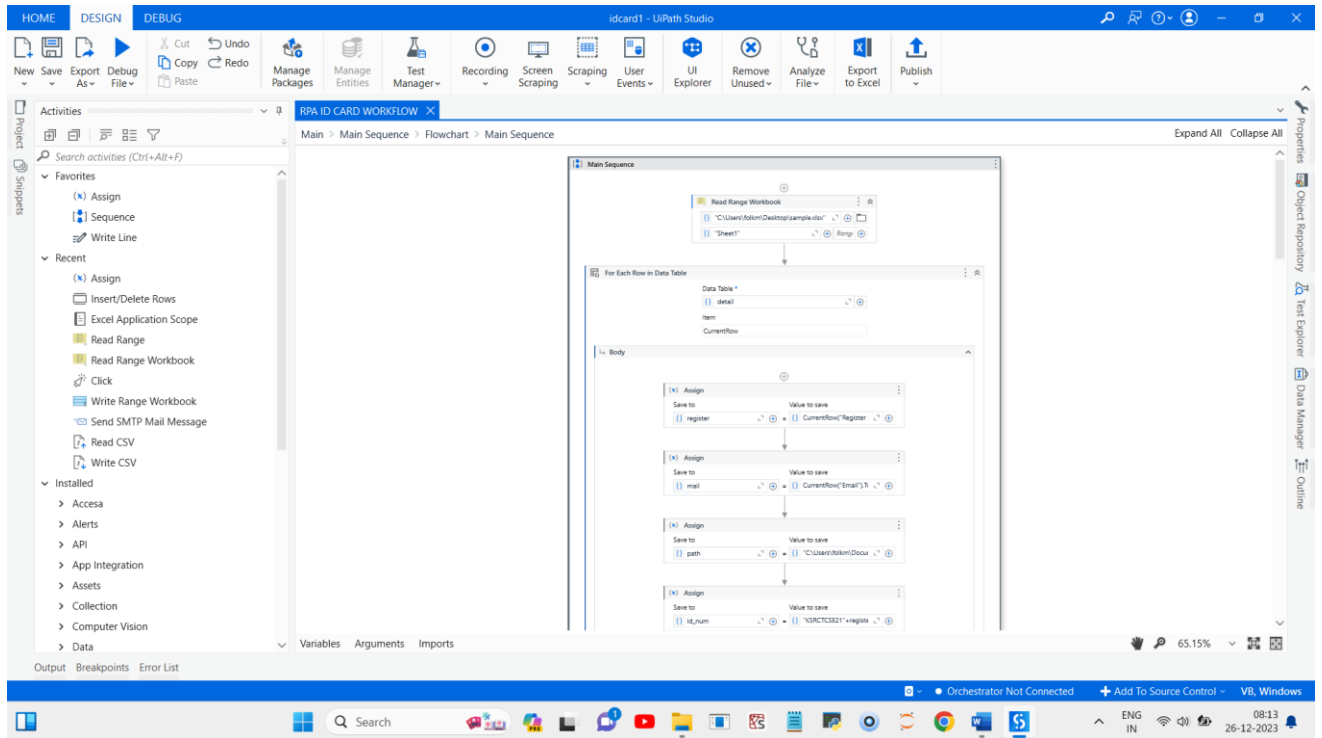
- Execute the automation to process all student details, generate ID cards, and handle corrections.

15. Monitor and Maintain:

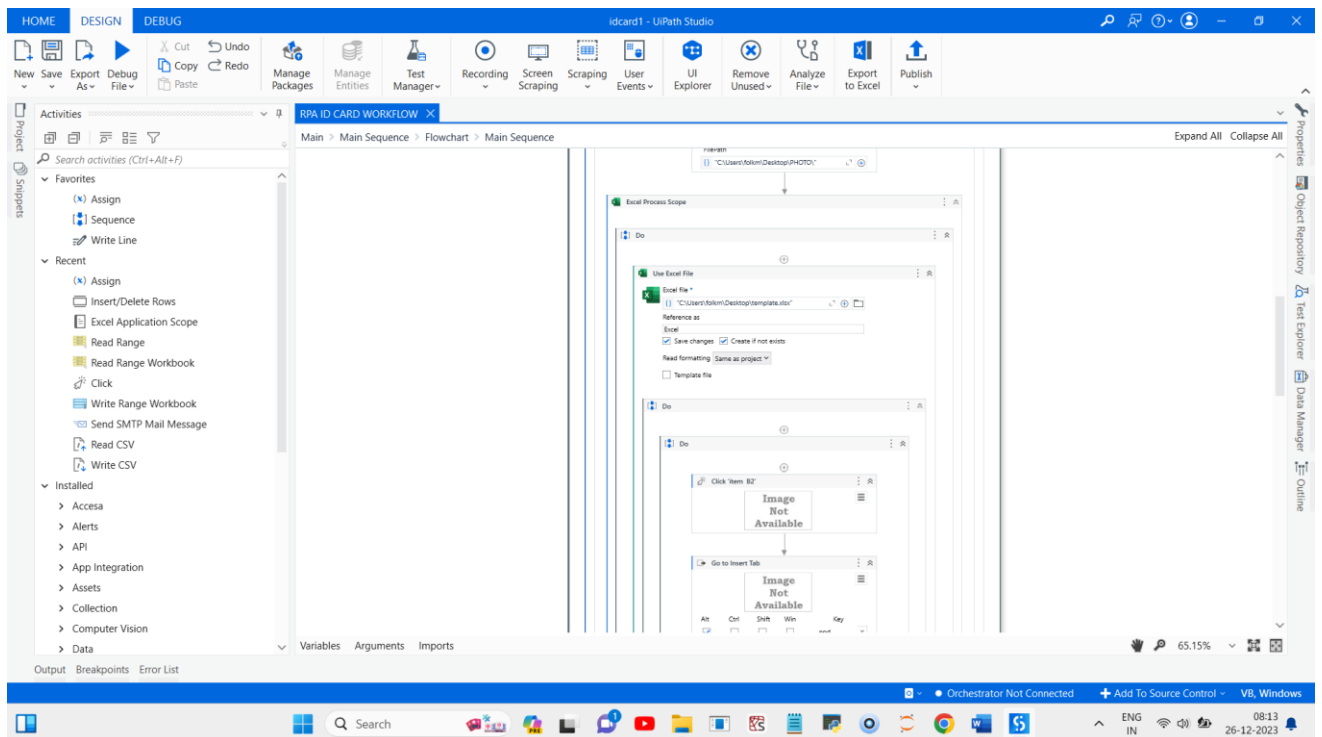
- Monitor the automation process and make any necessary updates or adjustments.
- Ensure that email, PDF, and Google Form services are accessible and functional.

SCREENSHOTS :-





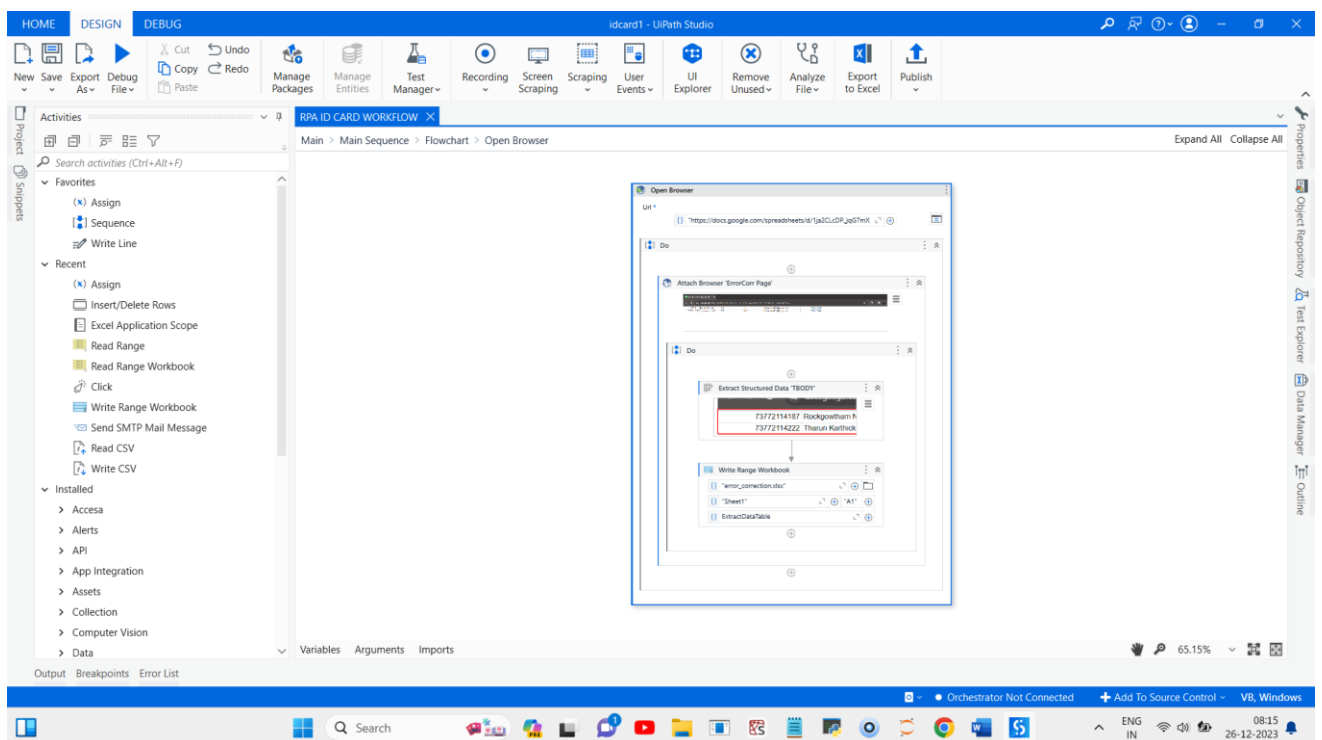
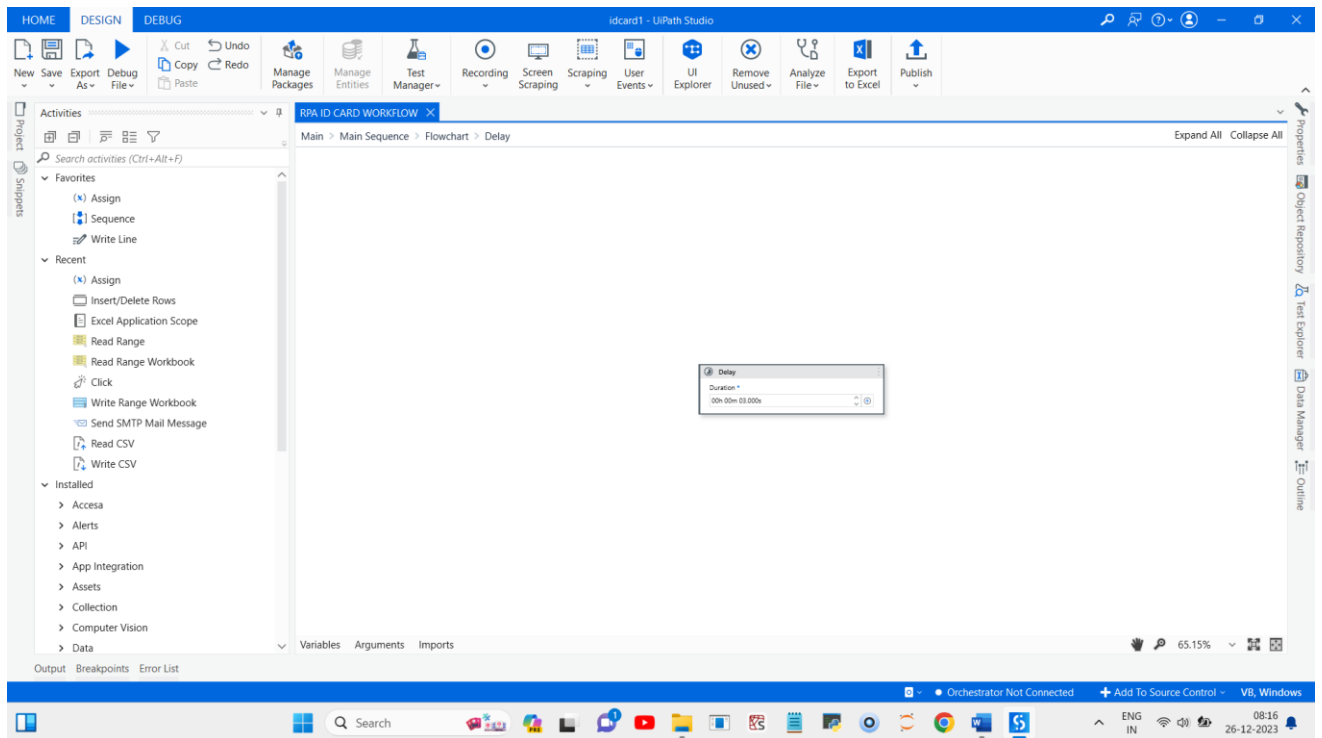
This screenshot shows the UiPath Studio interface with the 'Main Sequence' flowchart loaded. The flowchart begins with a 'Read Range Workbook' activity, configured to read from 'C:\Users\Bokem\Desktop\sample.xlsx' and the 'Sheet1' range. This is followed by a 'For Each Row in Data Table' loop. Inside the loop's body, there are four 'Assign' activities: 1) 'Save to' is assigned to 'register' with the value 'CurrentFlow.Register'; 2) 'Save to' is assigned to 'mail' with the value 'CurrentFlow.Email'; 3) 'Save to' is assigned to 'path' with the value 'C:\Users\Bokem\Desktop'; and 4) 'Save to' is assigned to 'id_num' with the value 'CurrentFlow.ID + register'. The left sidebar shows the 'Activities' pane with 'Recent' activities like 'Assign', 'Sequence', and 'Write Line'. The bottom status bar indicates 'Orchestrator Not Connected' and the system clock shows 08:13 on 26-12-2023.

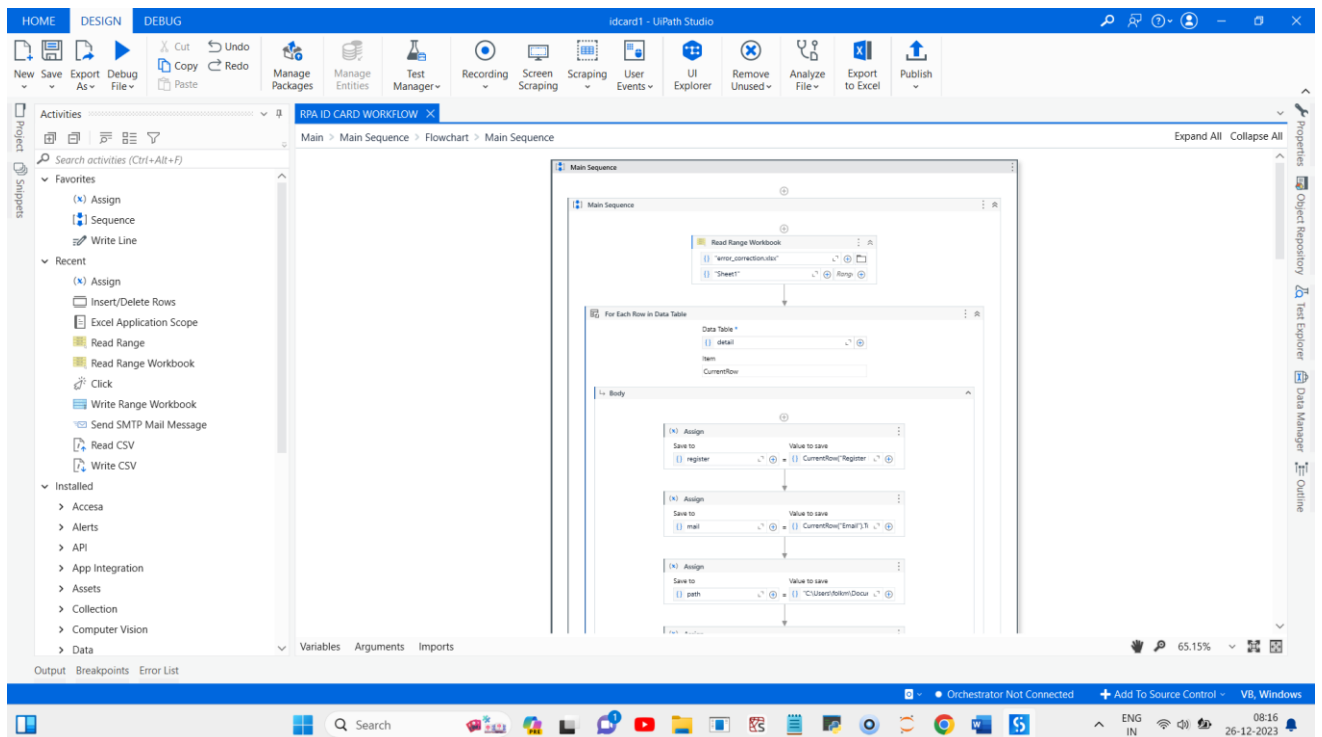
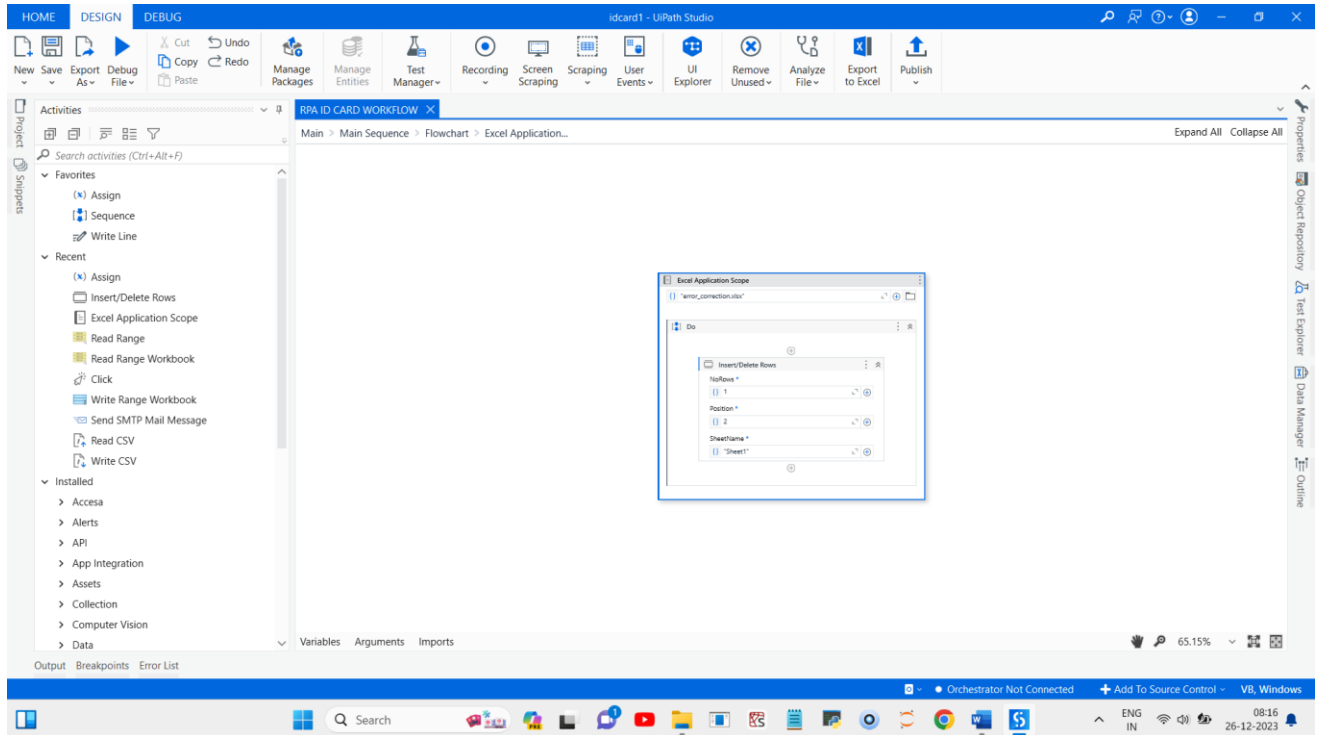


This screenshot shows the 'Excel Process Scope' section of the flowchart. It starts with an 'Excel File' activity, configured to use the file 'C:\Users\Bokem\Desktop\sample.xlsx' as the 'Reference as' and with options for 'Save changes' and 'Create if not exists'. Below this is a 'Click Item' activity targeting the 'B2' cell, with an 'Image Not Available' placeholder. This is followed by a 'Go to Insert Tab' activity, also with an 'Image Not Available' placeholder. The 'Activities' pane on the left is visible, and the bottom status bar shows the same system clock and connection status as the first screenshot.

The screenshot shows the UiPath Studio interface for the 'RPA ID CARD WORKFLOW'. The main canvas displays a sequence of activities: 'Type Into' (with a warning 'Image Not Available'), followed by five 'Write Cell' activities targeting 'Sheet1' at rows B3 through B7. The left sidebar shows the 'Activities' pane with 'Favorites' and 'Recent' sections. The bottom status bar indicates 'Orchestrator Not Connected' and 'VB, Windows'.

The screenshot shows the UiPath Studio interface for the 'RPA ID CARD WORKFLOW'. The main canvas displays a sequence of activities: 'CurrentRow('Contact Number') ToString', followed by 'Write Cell' (Sheet1, B8), 'Save Excel File As PDF' (Workbook: Excel, Save as file: register*.pdf), and 'Send SMTP Mail Message' (To: mail, Subject: 'Your IDACT Collage ID Card', Body: 'We are pleased to inform you that'). The left sidebar shows the 'Activities' pane with 'Favorites' and 'Recent' sections. The bottom status bar indicates 'Orchestrator Not Connected' and 'VB, Windows'.





INPUT :-

AutoSave OFF

CSE B CLASS DATA - Saved to this PC

Search

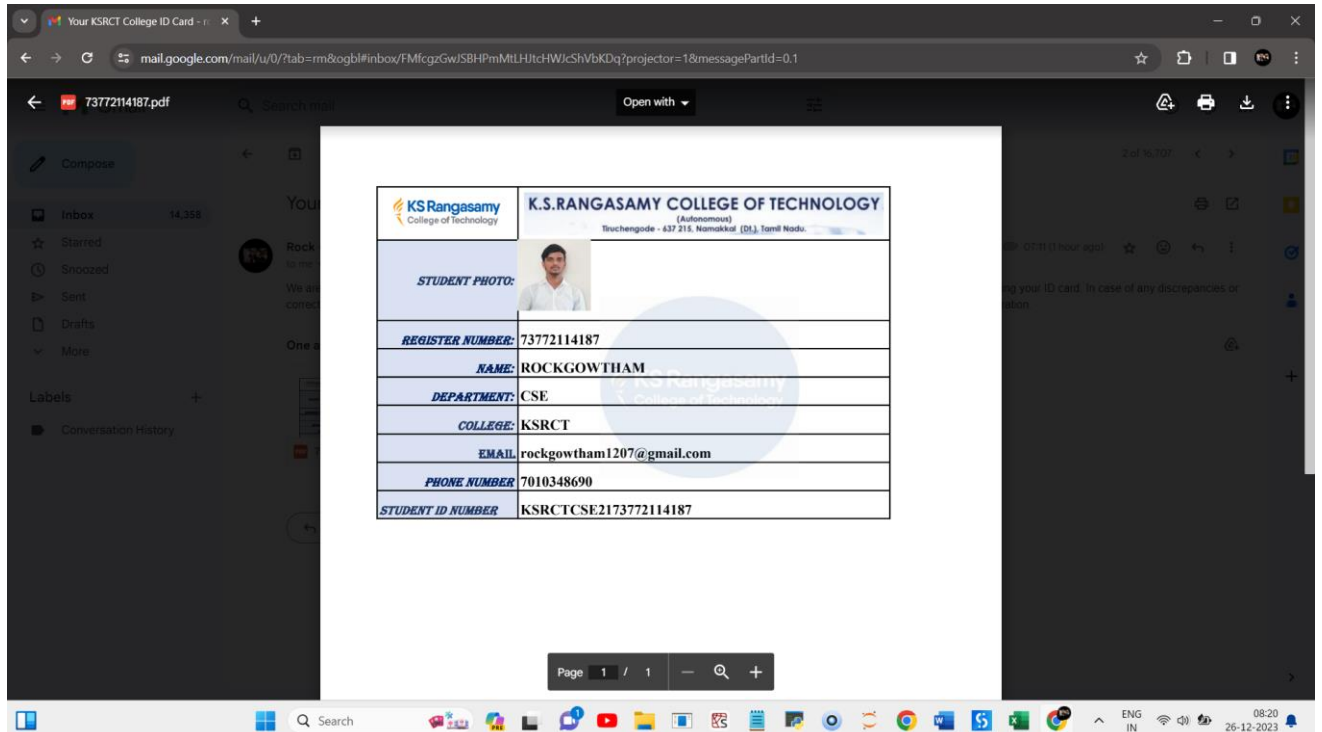
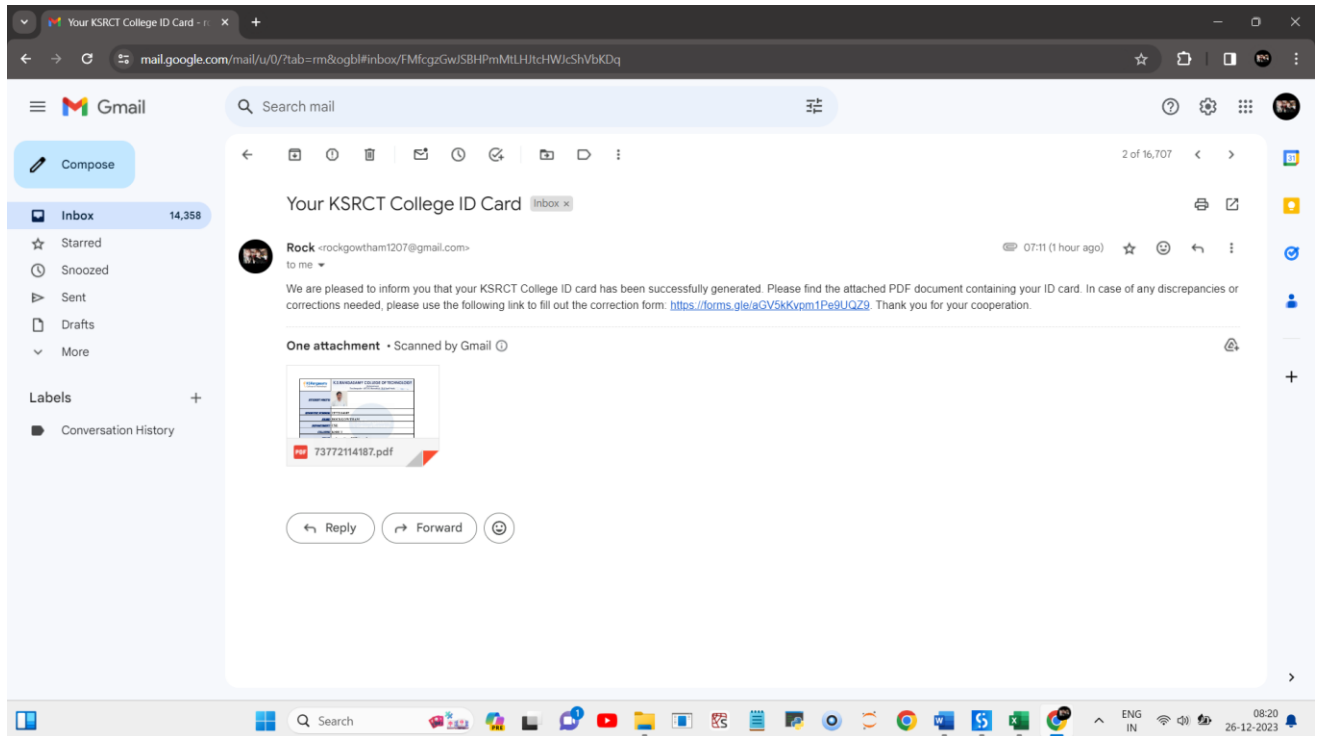
File Home Insert Page Layout Formulas Data Review View Help

Comments Share

	A	B	C	D	E	F	G	H	I	J	K	L	M
22	73772114183	RAGAVI V	CSE	KSRCT	ragavivenugopal123@gmail.com	9597817304							
23	73772114184	RAGUPATHI NITHISH KUMAR	CSE	KSRCT	rockgowtham1207@gmail.com	6374953239							
24	73772114185	RAMYAPRABHASRI V R	CSE	KSRCT	ramyaprabhasrivr@gmail.com	9500576039							
25	73772114186	RISHIPRASATH M	CSE	KSRCT	therishiprasath@gmail.com	9363129015							
26	73772114187	ROCKGOWTHAM N	CSE	KSRCT	rockgowtham1207@gmail.com	7010348690							
27	73772114188	SABARI JANARTHANAN V	CSE	KSRCT	sabariking310@gmail.com	7397740780							
28	73772114189	SAMUVEL RAJA V	CSE	KSRCT	samuvelraja072@gmail.com	8610467370							
29	73772114190	SANDEEP H	CSE	KSRCT	ymasandeep@gmail.com	8610330711							
30	73772114191	SANJAI N	CSE	KSRCT	sanjairadha21@gmail.com	9500499384							
31	73772114192	SANJAY H S	CSE	KSRCT	rockgowtham1207@gmail.com	7010747078							
32	73772114193	SANJAY N	CSE	KSRCT	sanjaymk2@gmail.com	8344498333							
33	73772114194	SANJAY R	CSE	KSRCT	sanjayrajamani200@gmail.com	7373570284							
34	73772114195	SANTHOSH KUMAR A	CSE	KSRCT	santhoshkumarsanthoshkumarips@gmail.com	6382021896							
35	73772114196	SANTHOSH KUMAR B	CSE	KSRCT	santhoshkumar73122@gmail.com	8778056407							
36	73772114197	SARAN P	CSE	KSRCT	sarams1877@gmail.com	8610891783							
37	73772114198	SARGUNESH P	CSE	KSRCT	sargunesh4@gmail.com	8838042967							
38	73772114199	SASIREKHA P	CSE	KSRCT	sasirekha04@gmail.com	7695848969							
39	73772114200	SAYEE KRISHNAN C M	CSE	KSRCT	sayeeekrishna471@gmail.com	7603942080							
40	73772114201	SELVAGAYATHRI S	CSE	KSRCT	selvagayathri2003@gmail.com	9025491185							
41	73772114202	SELVAPRASANTH E	CSE	KSRCT	selvama2323y@gmail.com	9345840545							
42	73772114203	SHAINTHAVI D	CSE	KSRCT	shainthavi.dhanapalce@gmail.com	9361792729							
43	73772114204	SHAMRIDHA K	CSE	KSRCT	shamkandha1710@gmail.com	9360735700							
44	73772114205	SHANMUGAPRIYAN T	CSE	KSRCT	shanmugapriyant66@gmail.com	9342634245							
45	73772114206	SHANTHOSH S	CSE	KSRCT	shanthosh170803@gmail.com	7449085045							
46	73772114208	SHRIDHANISH T	CSE	KSRCT	shri778084@gmail.com	8072927822							
47	73772114209	SREERAM VIGNESH M	CSE	KSRCT	rockgowtham1207@gmail.com	9750467879							
48	73772114210	SRINITHI B	CSE	KSRCT	balasubramaniansrinithi@gmail.com	6380232141							
49	73772114211	SRINIVASA RAO M	CSE	KSRCT	srini13032000@gmail.com	9344627175							
50	73772114212	SRIRAM V	CSE	KSRCT	vhriram11@gmail.com	9944393553							
51	73772114213	SRUTHI R	CSE	KSRCT	sruthimaha242004@gmail.com	8946021234							
52	73772114214	SUDEEP B	CSE	KSRCT	spacesudeep07@gmail.com	9087369909							

The screenshot shows a Google Sheets spreadsheet titled "KS.RANGASAMY COLLEGE OF TECHNOLOGY". The spreadsheet is used for student registration. It features a header row with columns A through Q. The first column (A) contains labels for student information: STUDENT PHOTO, REGISTER NUMBER, NAME, DEPARTMENT, COLLEGE, EMAIL, PHONE NUMBER, and STUDENT ID NUMBER. The second column (B) contains the college name and address: KS.RANGASAMY COLLEGE OF TECHNOLOGY (Autonomous), Tiruchengode - 637 215, Namakkal (Dt), Tamil Nadu. The spreadsheet is displayed on a desktop interface with a taskbar at the bottom showing various application icons and the system clock.

OUTPUT :-



AFTER ERROR CORRECTION :-

