EVISITOR CARD

ABSTRACT

No touch visitor entry card solution for COVID-19 Botathon – Automation Anywhere

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Contents

About eVisitor Card 2

Features 2

1. Scan the QR Code 2
2. Validate the QR Code based on the details provided by visitors 2
3. Show camera window and take the photograph of the visitor 2
4. Send digital entry card to the visitor over email 2
5. Delete the visitor details from google sheet 2
6. Add the visitor details in another google sheet to keep the details for future 2

Functionality Flowchart 3

Dependencies 3

Code Screenshots 4

1. Task Bot - Generate QR Code 4
2. Task Bot - Scan QR Code 5
3. Task Bot - Send Entry Card 5
4. Task Bot - Delete Add Entry 6
5. Form - Visitor Entry Form 8
6. Form - Entry Card Form 9
7. Email Content – Entry Code 9
8. Email Content – Entry Card 10
9. Google Sheet – Visitor Details (who requested for entry) 10
10. Google Sheet – All Visitor Details (who has already visited) 10

Future Improvement 11

About eVisitor Card

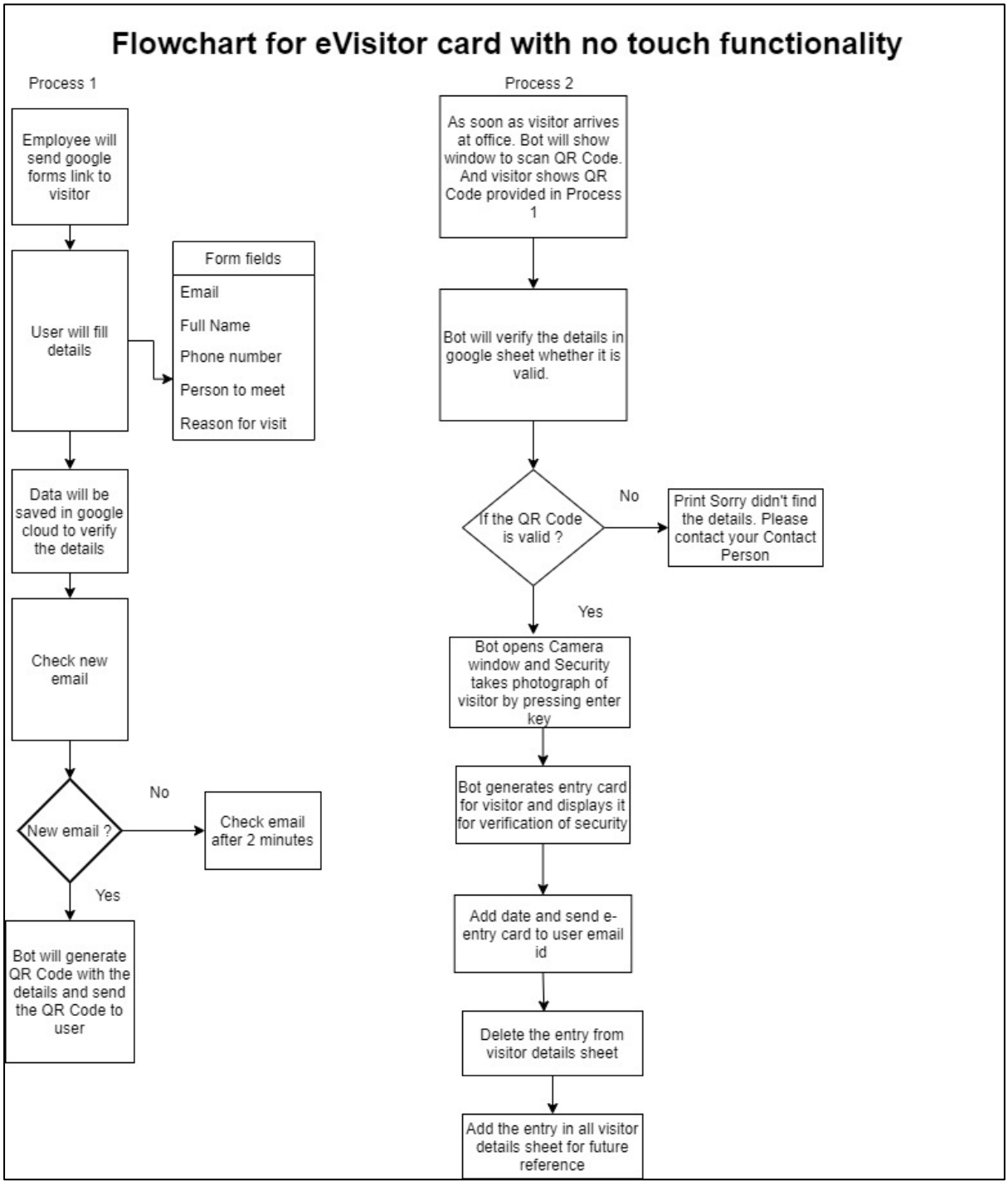
E-Visitor card digitizes the visitor check-in to the workplace premises. This solution sends the approval code (QR Code) to visitor. This QR Code will be validated upon visit without contacting any gadget. If the QR Code gets authorized, bot will snap the picture of visitor and will send the entry card over email.

E-Visitor card was made keeping the idea of no touch to the common things regardless of whether it is visitor register, electronic gadget or any other medium to take visitor entry.

Features

1. Scan the QR Code
2. Validate the QR Code based on the details provided by visitors
3. Show camera window and take the photograph of the visitor
4. Send digital entry card to the visitor over email
5. Delete the visitor details from google sheet
6. Add the visitor details in another google sheet to keep the details for future

Functionality Flowchart

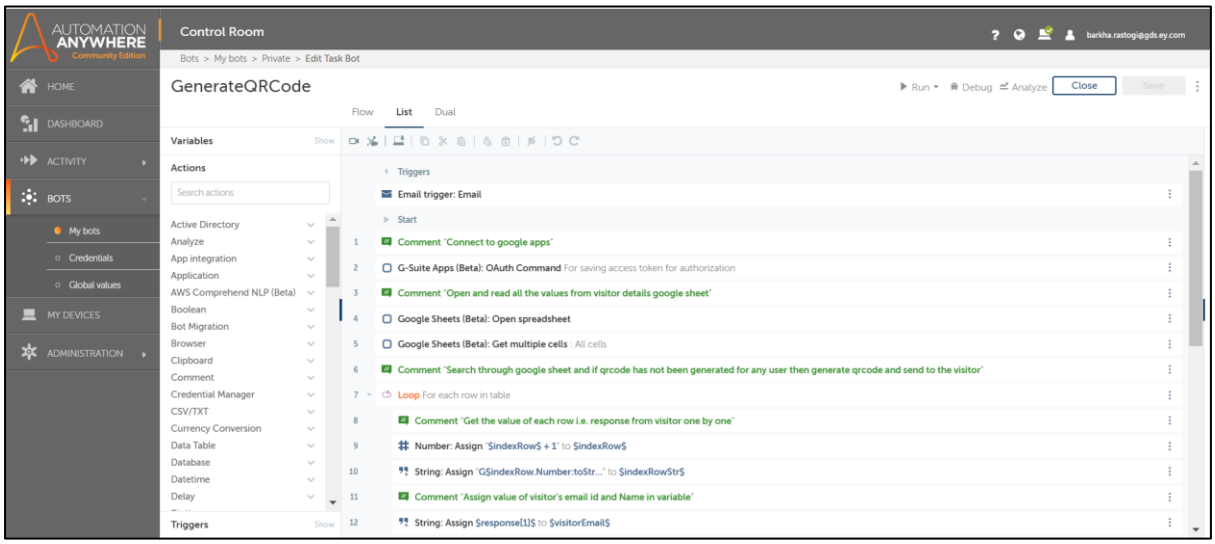


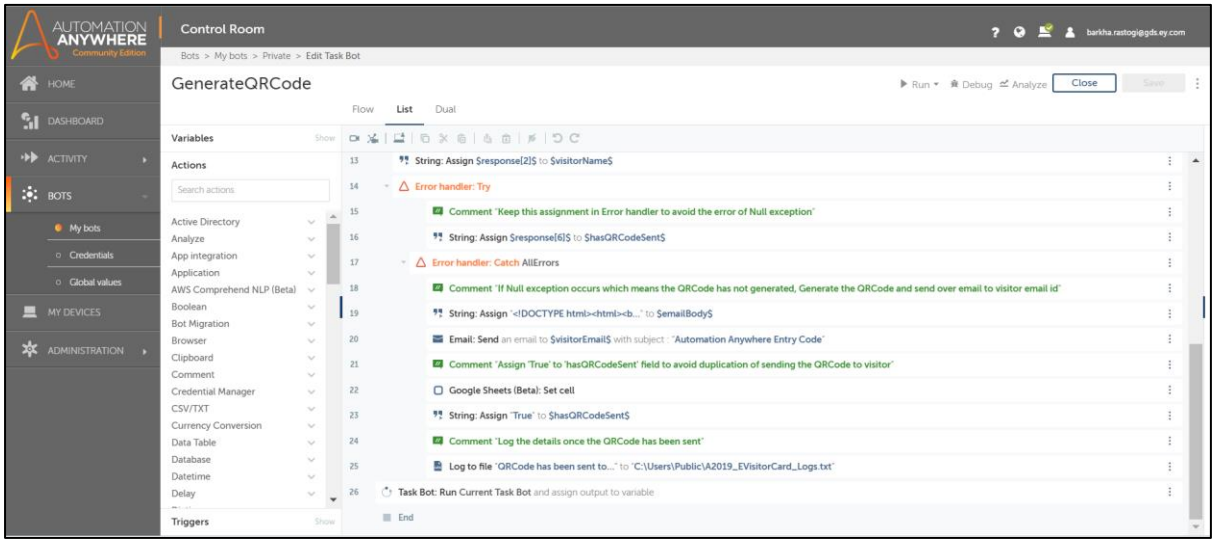
Dependencies

- ✓ Python should be installed in the system where the bot needs to be executed
- ✓ Python path must be added to PATH system environment variable (Refer README.md for steps)
- ✓ The dependent python libraries should be installed which can be installed by running install.bat available in Prerequisites folder
- ✓ Integrated or External Camera

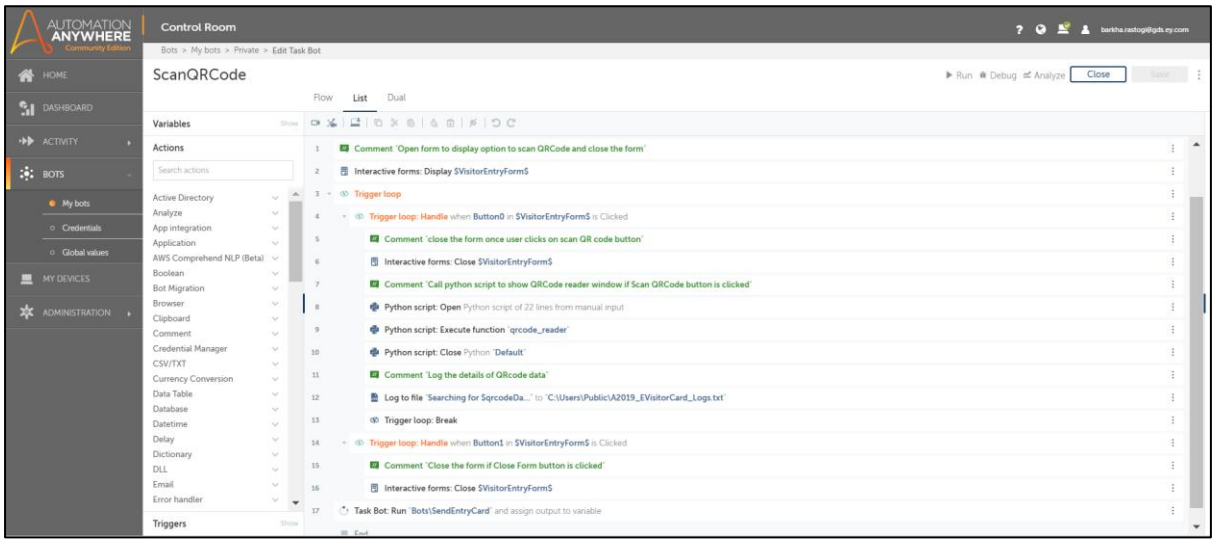
Code Screenshots

1. Task Bot - Generate QR Code

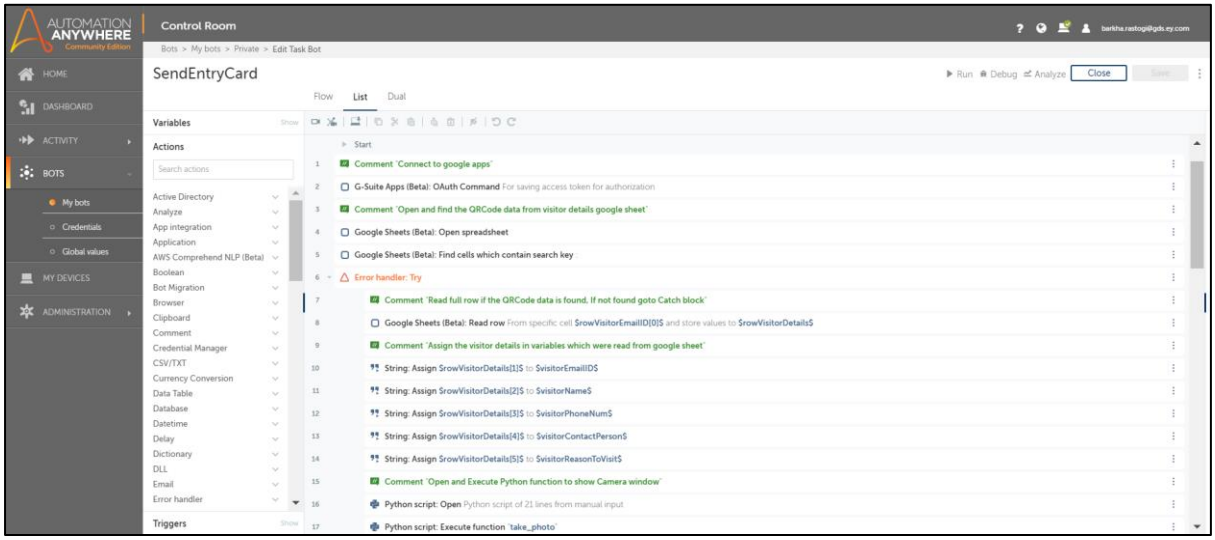


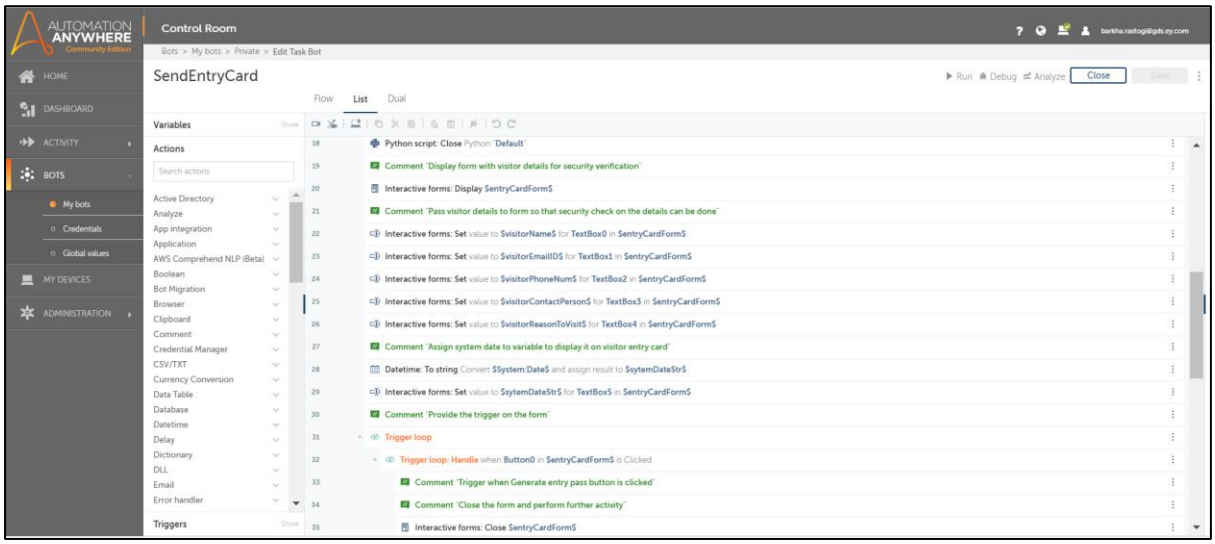


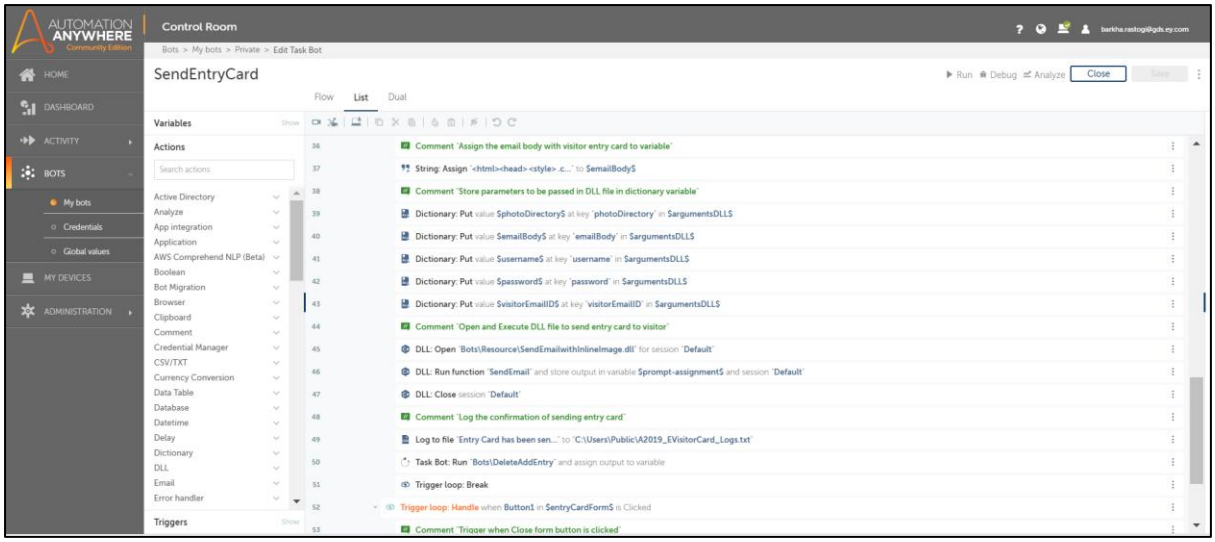
2. Task Bot - Scan QR Code

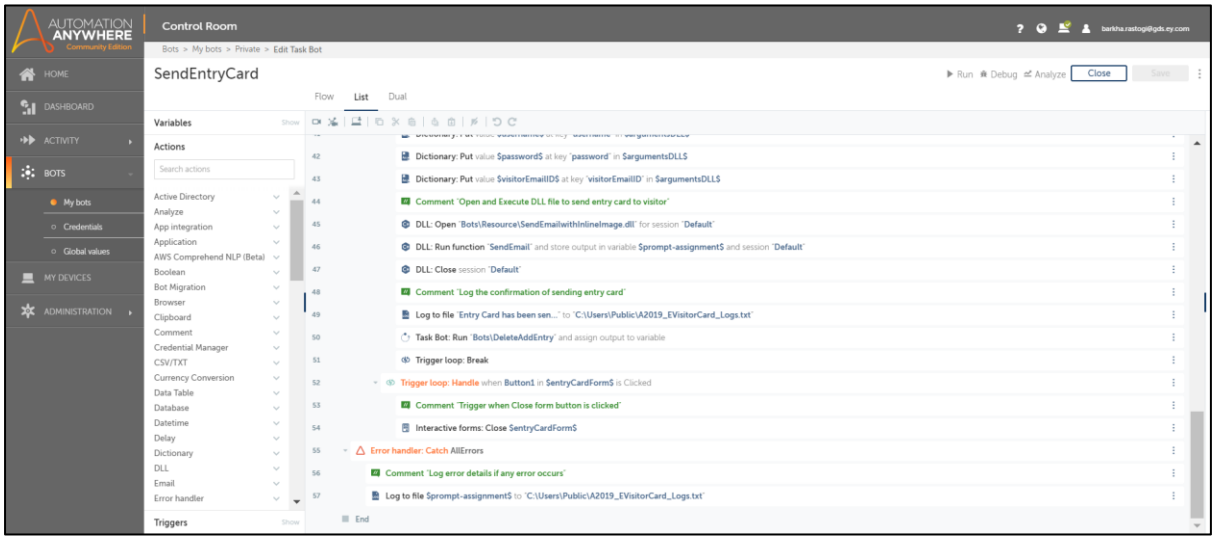


3. Task Bot - Send Entry Card

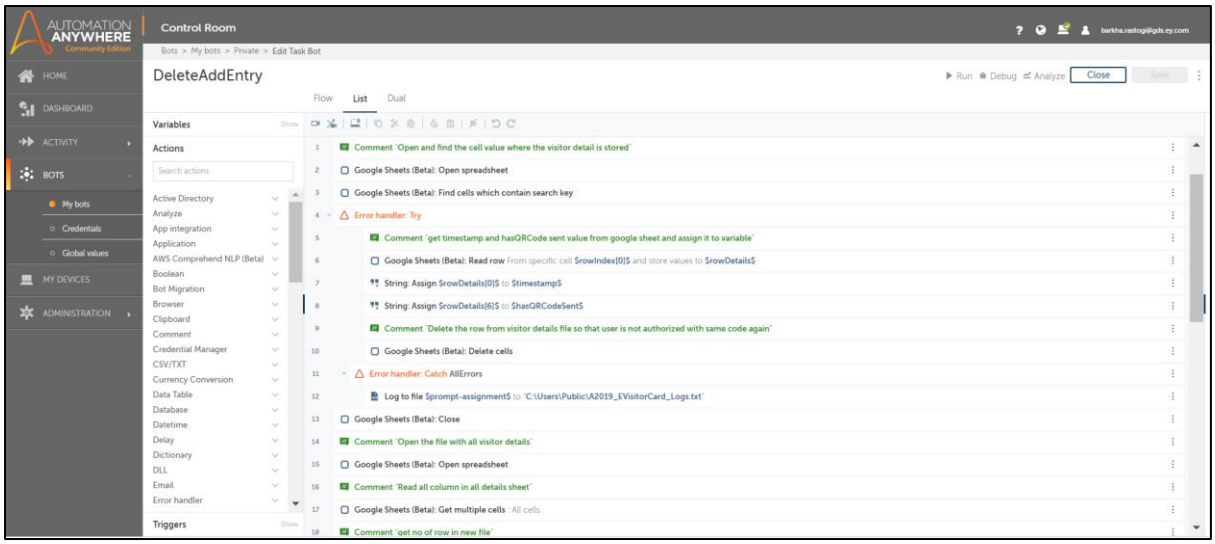


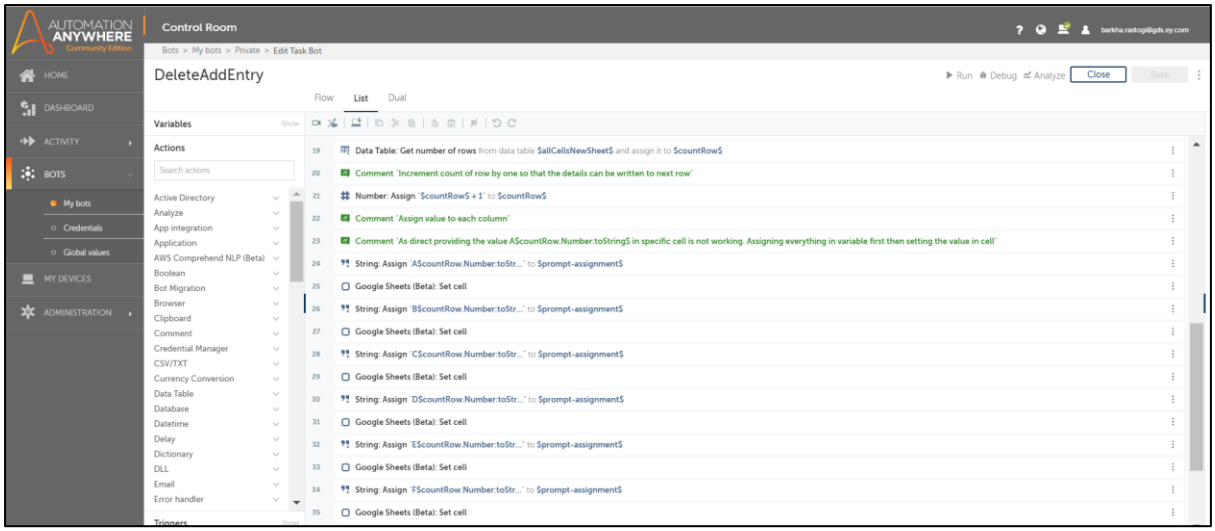


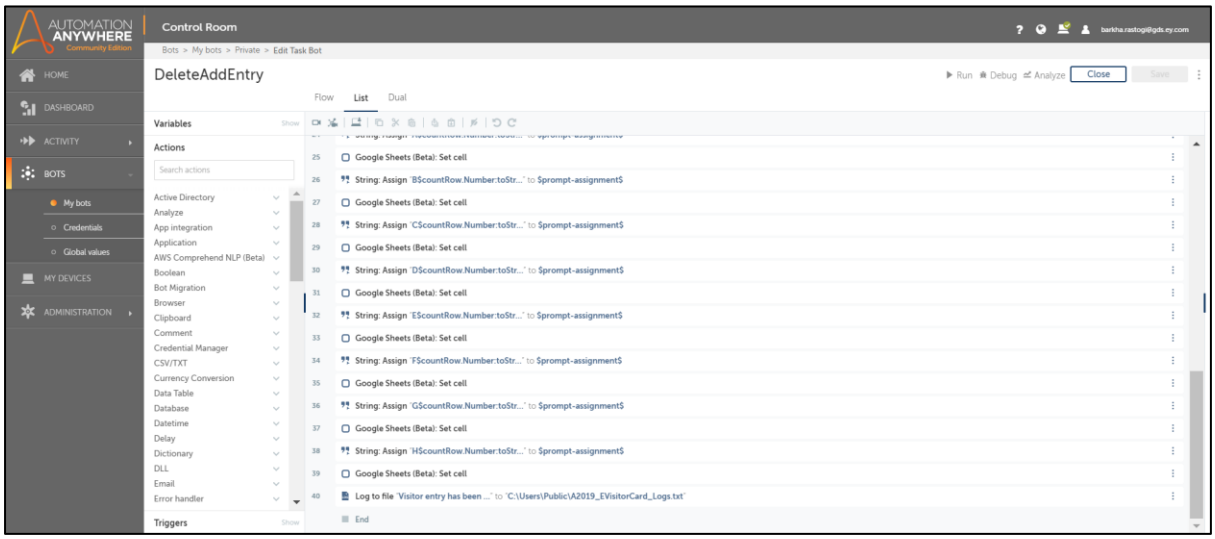




4. Task Bot - Delete Add Entry




AUTOMATION ANYWHERE
Community Edition
Control Room
barkha.rastogi@gds.ey.com
Bots > My bots > Private > Edit Task Bot
DeleteAddEntry
Run Debug Analyze Close Save
Flow List Dual
HOME
DASHBOARD
ACTIVITY
BOTS
My bots
Credentials
Global values
MY DEVICES
ADMINISTRATION
Variables
Actions
Search actions
Active Directory
Analyze
App integration
Application
AWS Comprehend NLP (Beta)
Boolean
Bot Migration
Browser
Clipboard
Comment
Credential Manager
CSV/TXT
Currency Conversion
Data Table
Database
Datetime
Delay
Dictionary
DLL
Email
Error handler
Triggers
19 Data Table: Get number of rows from data table $allCellsNewSheet$ and assign it to $countRow$
20 Comment 'Increment count of row by one so that the details can be written to next row'
21 Number: Assign '$countRow$ + 1' to $countRow$
22 Comment 'Assign value to each column'
23 Comment 'As direct providing the value A$countRow.Number:toString$ in specific cell is not working. Assigning everything in variable first then setting the value in cell'
24 String: Assign 'A$countRow.Number:toStr...' to $prompt-assignment$
25 Google Sheets (Beta): Set cell
26 String: Assign 'B$countRow.Number:toStr...' to $prompt-assignment$
27 Google Sheets (Beta): Set cell
28 String: Assign 'C$countRow.Number:toStr...' to $prompt-assignment$
29 Google Sheets (Beta): Set cell
30 String: Assign 'D$countRow.Number:toStr...' to $prompt-assignment$
31 Google Sheets (Beta): Set cell
32 String: Assign 'E$countRow.Number:toStr...' to $prompt-assignment$
33 Google Sheets (Beta): Set cell
34 String: Assign 'F$countRow.Number:toStr...' to $prompt-assignment$
35 Google Sheets (Beta): Set cell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MY DEVICES
ADMINISTRATION
Variables
Actions
Search actions
Active Directory
Analyze
App integration
Application
AWS Comprehend NLP (Beta)
Boolean
Bot Migration
Browser
Clipboard
Comment
Credential Manager
CSV/TXT
Currency Conversion
Data Table
Database
Datetime
Delay
Dictionary
DLL
Email
Error handler
Triggers
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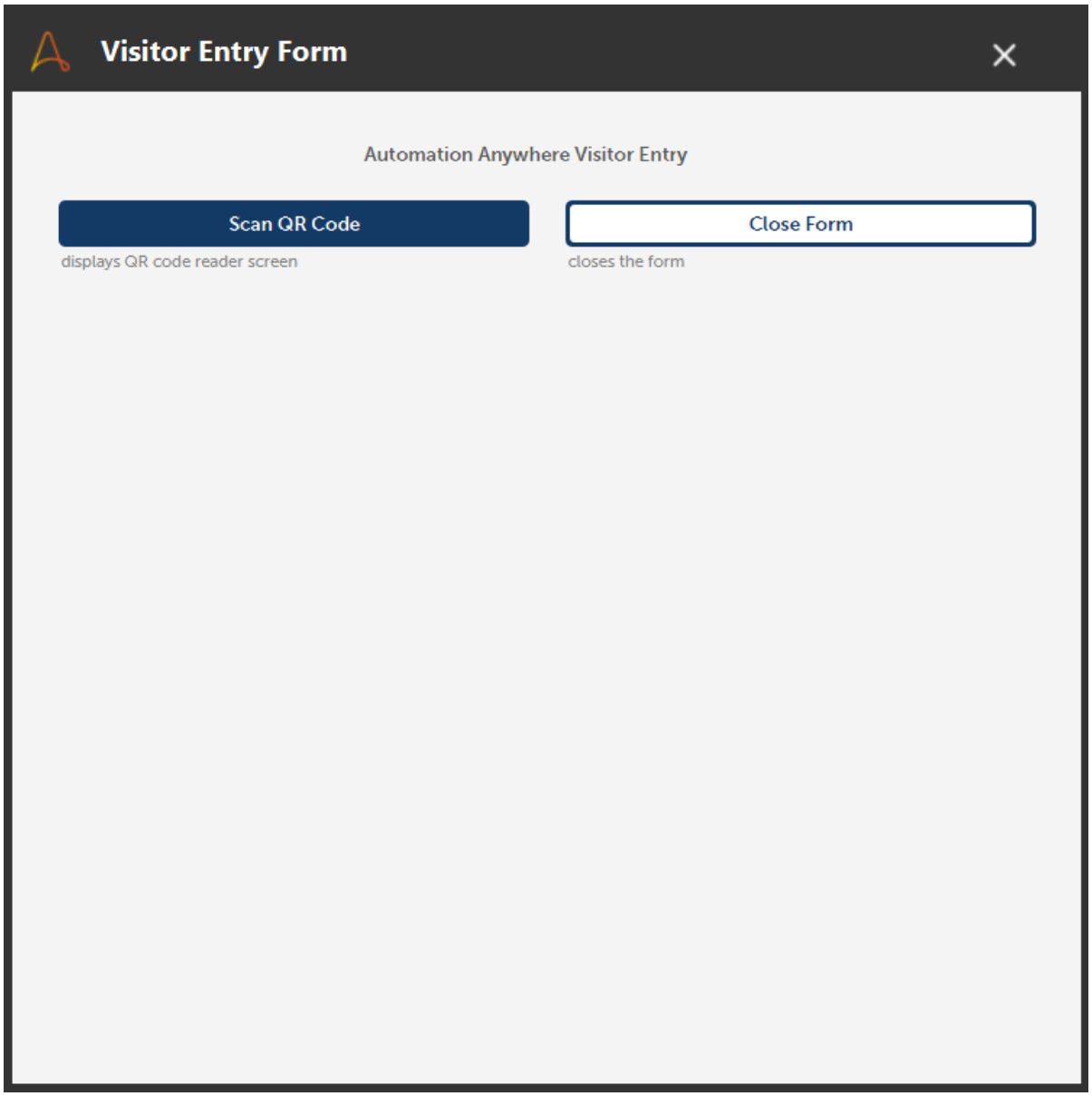
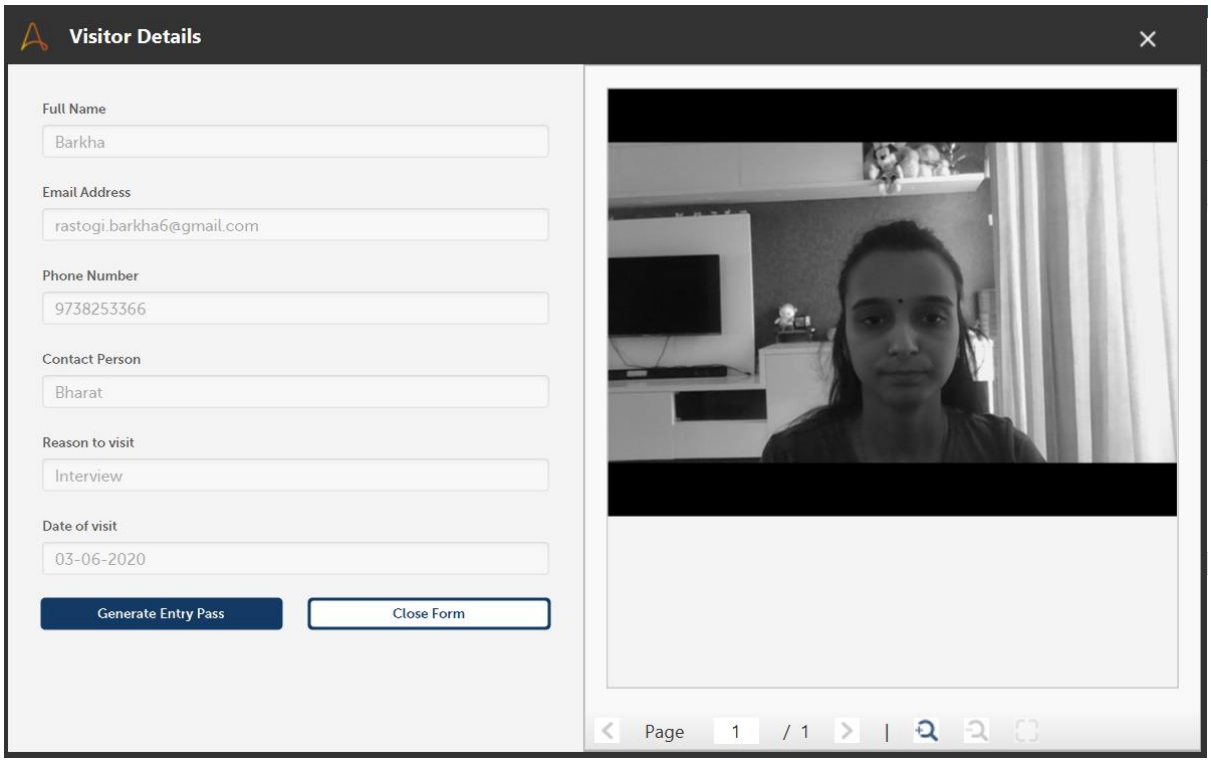
33 Google Sheets (Beta): Set cell
34 String: Assign 'F$countRow.Number:toStr...' to $prompt-assignment$
35 Google Sheets (Beta): Set cell
36 String: Assign 'G$countRow.Number:toStr...' to $prompt-assignment$
37 Google Sheets (Beta): Set cell
38 String: Assign 'H$countRow.Number:toStr...' to $prompt-assignment$
39 Google Sheets (Beta): Set cell
40 Log to file 'Visitor entry has been ...' to 'C:\Users\Public\A2019_EVisitorCard_Logs.txt'
End

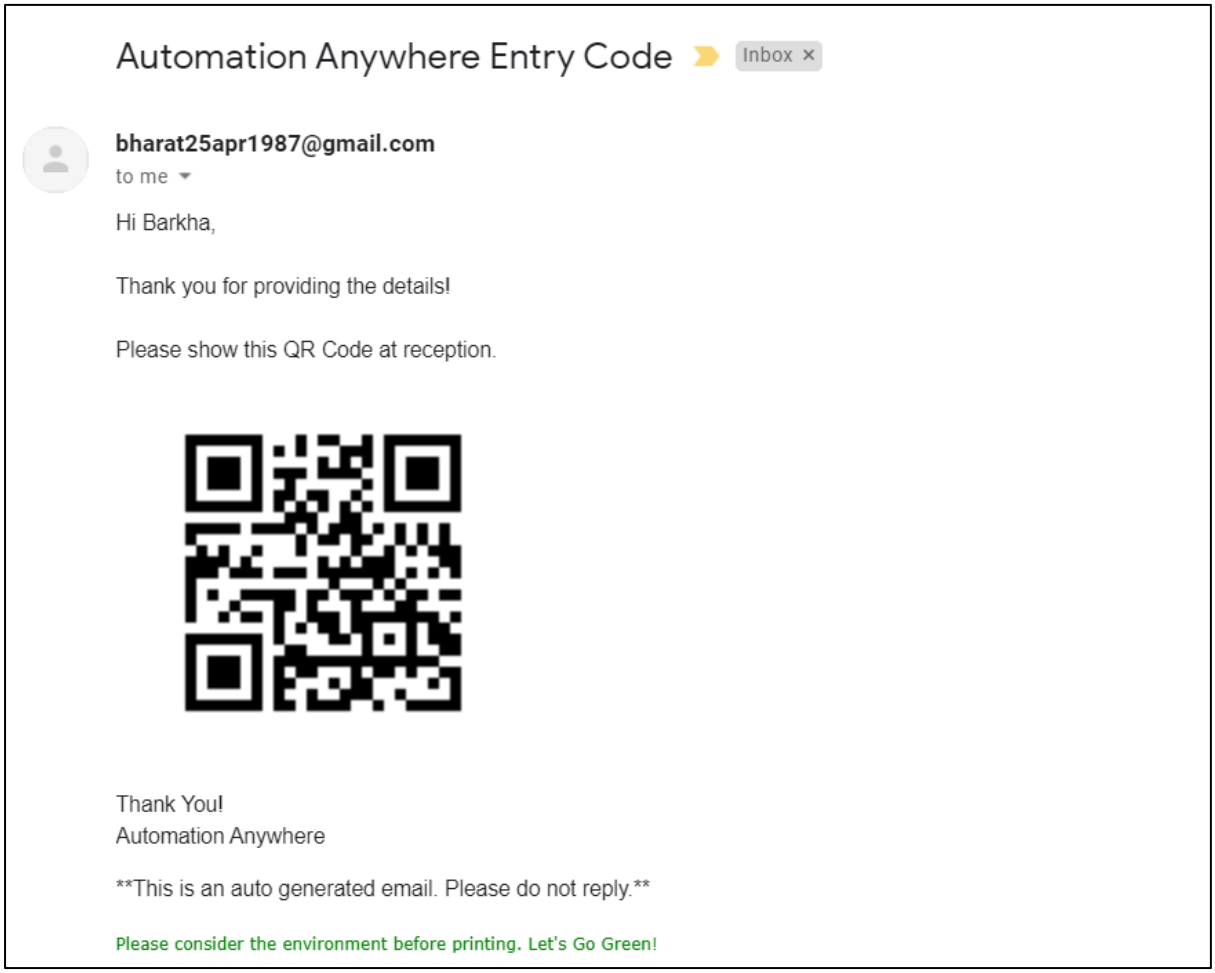
5. Form - Visitor Entry Form



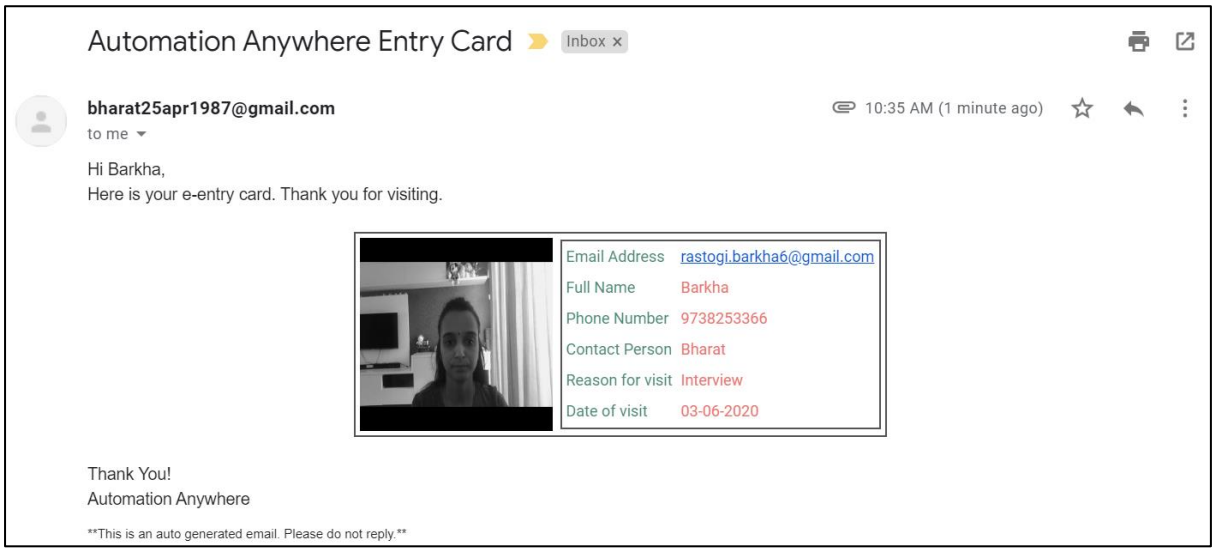
6. Form - Entry Card Form



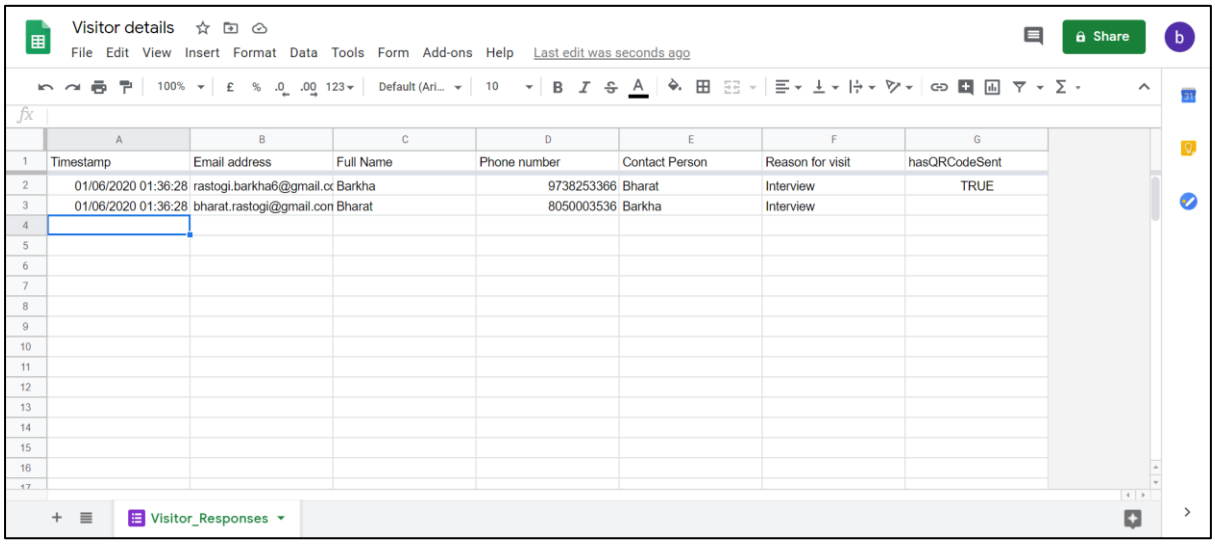
7. Email Content – Entry Code



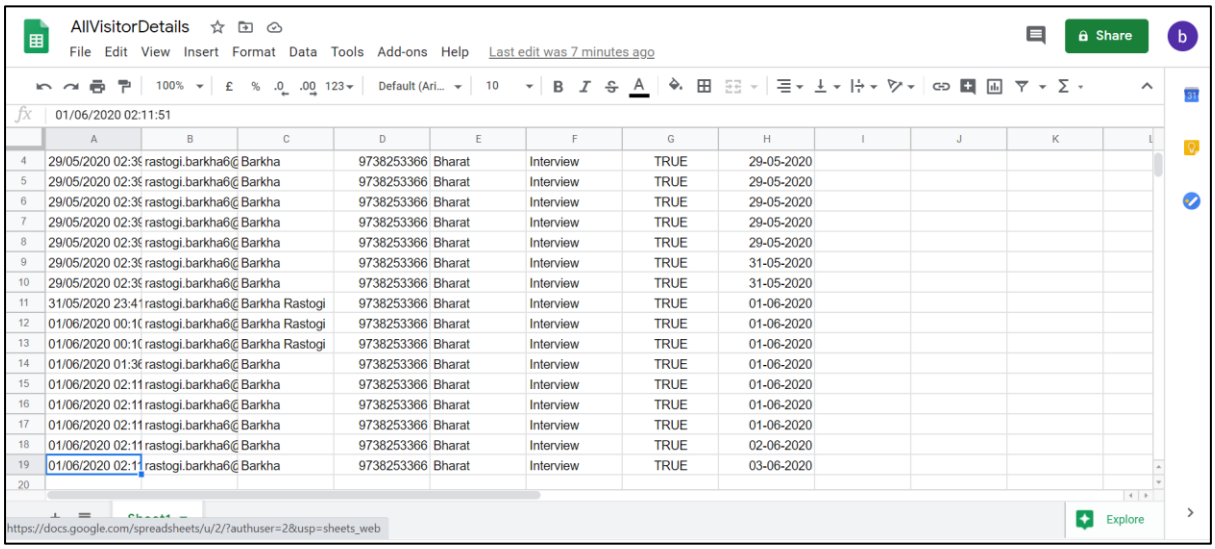
8. Email Content – Entry Card



9. Google Sheet – Visitor Details (who requested for entry)



10. Google Sheet – All Visitor Details (who has already visited)



Future Improvement

- ✓ Scanning Government ID
- ✓ Auto Face-detection