REPORT ON EMAIL AUTOMATION USING BLUE PRISM

1.INTRODUCTION

1.1 Overview

In this project, we will built a bot to automatically send mails with attachments to a list of people with the help of Microsoft excel 2013 and Blue prism software.

1.2 Purpose

In industries while conducting workshops, competitions etc. it is necessary to send bulk certificates to candidates that to with specific certificates for a specific candidate.

Through this we can create a system that will automatically sends the certificates to candidates through email with a particular subject line and body of email. For this first

we should store all the certificates of candidates in the same order as stored in the excel. All these certificates (Attachments) should have a common path except the last value. We will be using Email SMTP-POP3 VOB and Excel VBO.

2.LITERATURE SURVEY

2.1 Existing problem

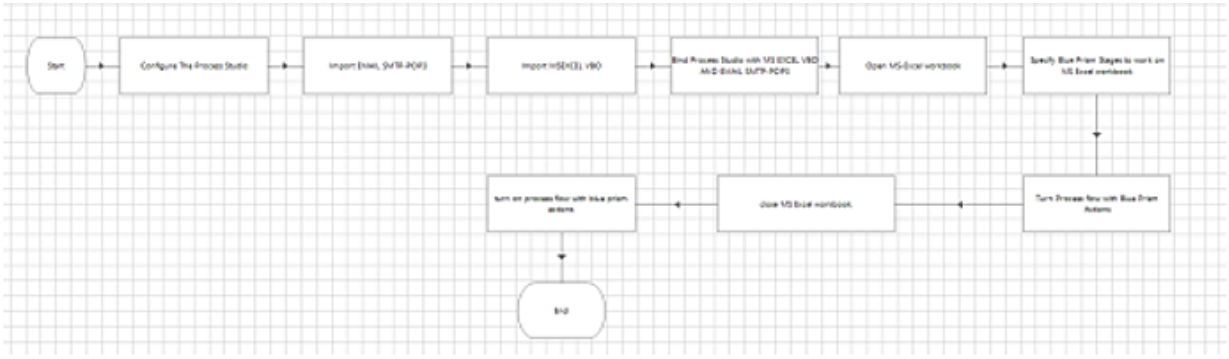
Now a days,when we want to sent a message through Email for a bunch of people it is very hard to send one by one.Or in a Training certification course we need to send a bulk of certificates to candidates through email.

2.2 Proposed Solution

In order to overcome of these problems,we use ROBOTIC PROCESS AUTOMATION technology by creating a bot to automatically send email with attachments by using Blue prism software.This will make the task easy and efficient.

3. THEORITICAL ANALYSIS

3.1 Block Diagram



3.2 Hardware / Software designing

The following is the Hardware required to complete this project:

- Internet connection to download and activate
- Administration access to install and run Blue Prism
- Minimum 10GB free disk space

- Windows 8.1 or 10 (64-bit version only) OR Cloud: Get started free, *Cloud account required.

Minimum System Requirements To run Office Excel 2013, your computer needs to meet the following minimum hardware requirements:

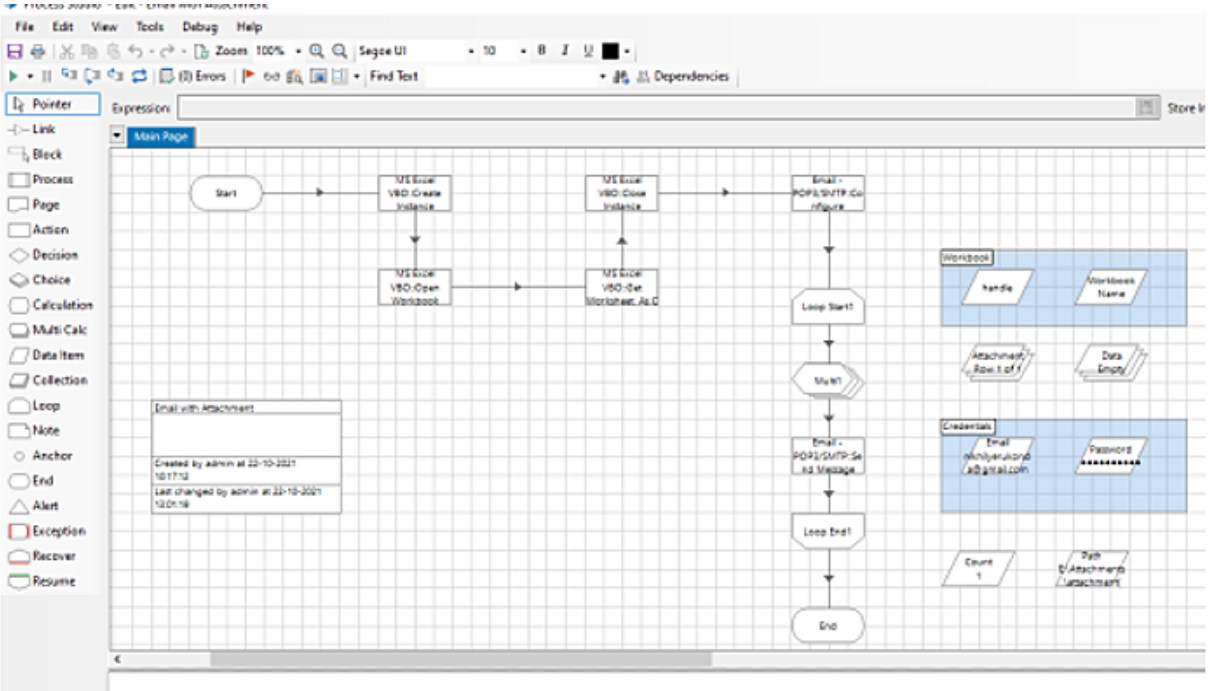
- 500 megahertz (MHz)

● 256 megabytes (MB) RAM
● 1.5 gigabytes (GB) available space
● 1024x768 or higher resolution monitor
The following are the softwares requried for the project:
● Blue Prism software
● Microsoft Excel 2013

4. EXPERIMENTAL INVESTIGATIONS

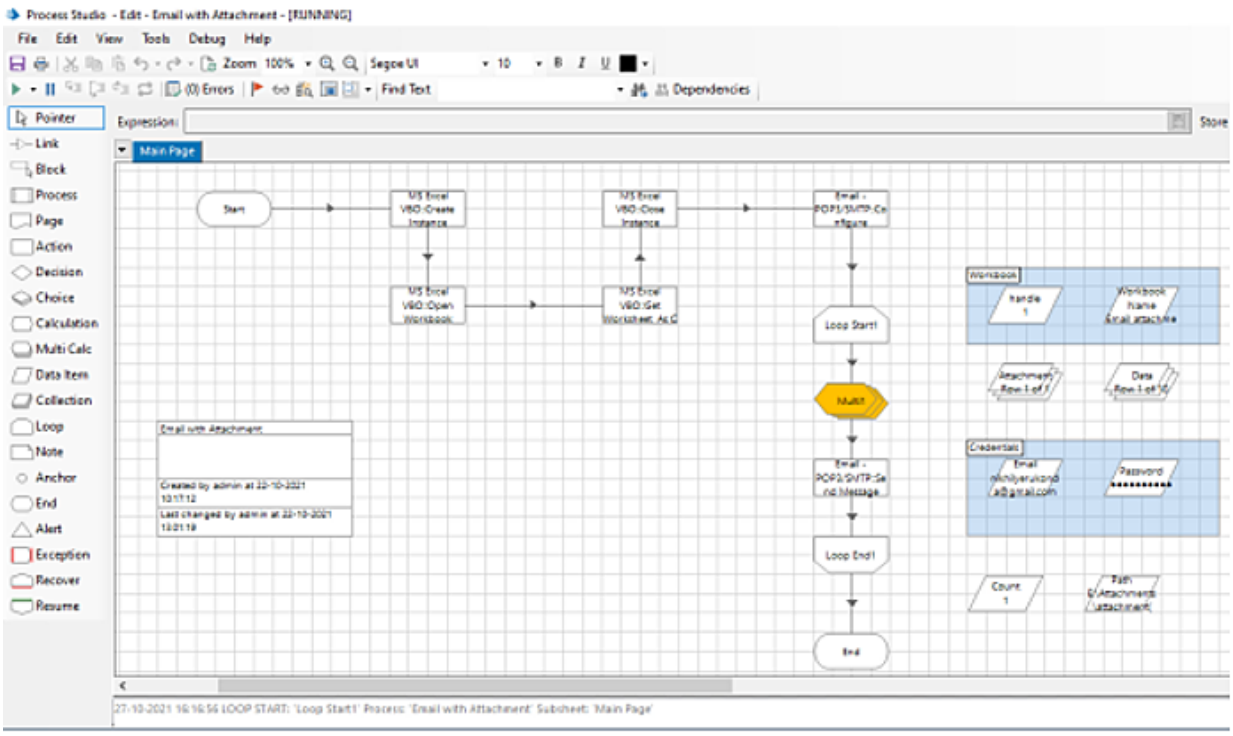
While working on email automation I came to know that it is the easy way and simple process to send mails.We can use UI Path software also ,i came to know that UiPath is a popular and progressive Robotic Process Automation (RPA) tool that enables users to automate various aspects of business processes. It provides an open-source platform that promotes collaboration and automation of repetitive tasks.
Using the Email Automation command to automate tasks for the mail server and incoming messages. Email Automation command enables you to automate mail server operations and handle incoming email messages. You can automate the following tasks: Manage incoming email messages and download attachments to specific folders.

5.FLOW CHART

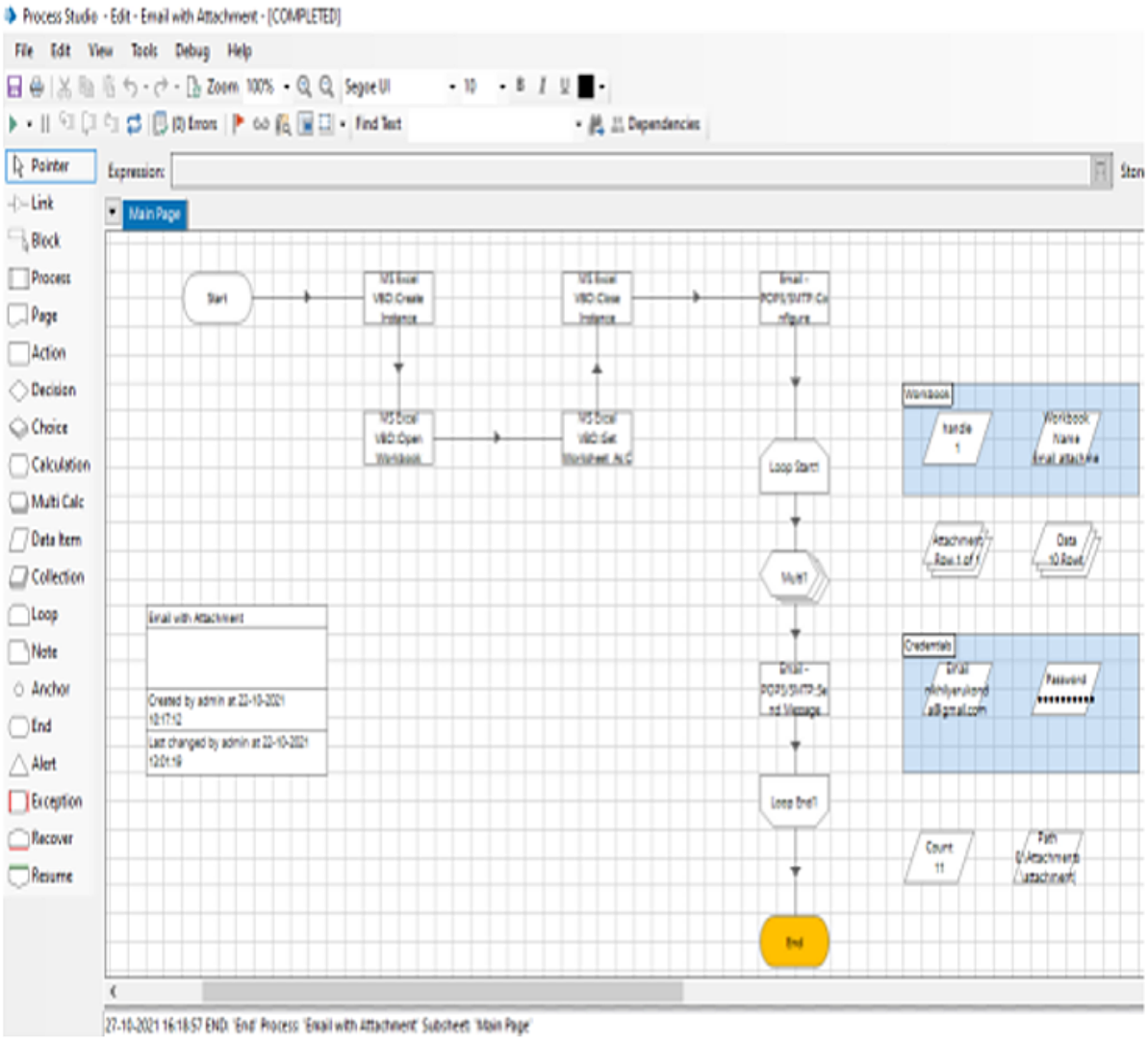


6.OUTPUT

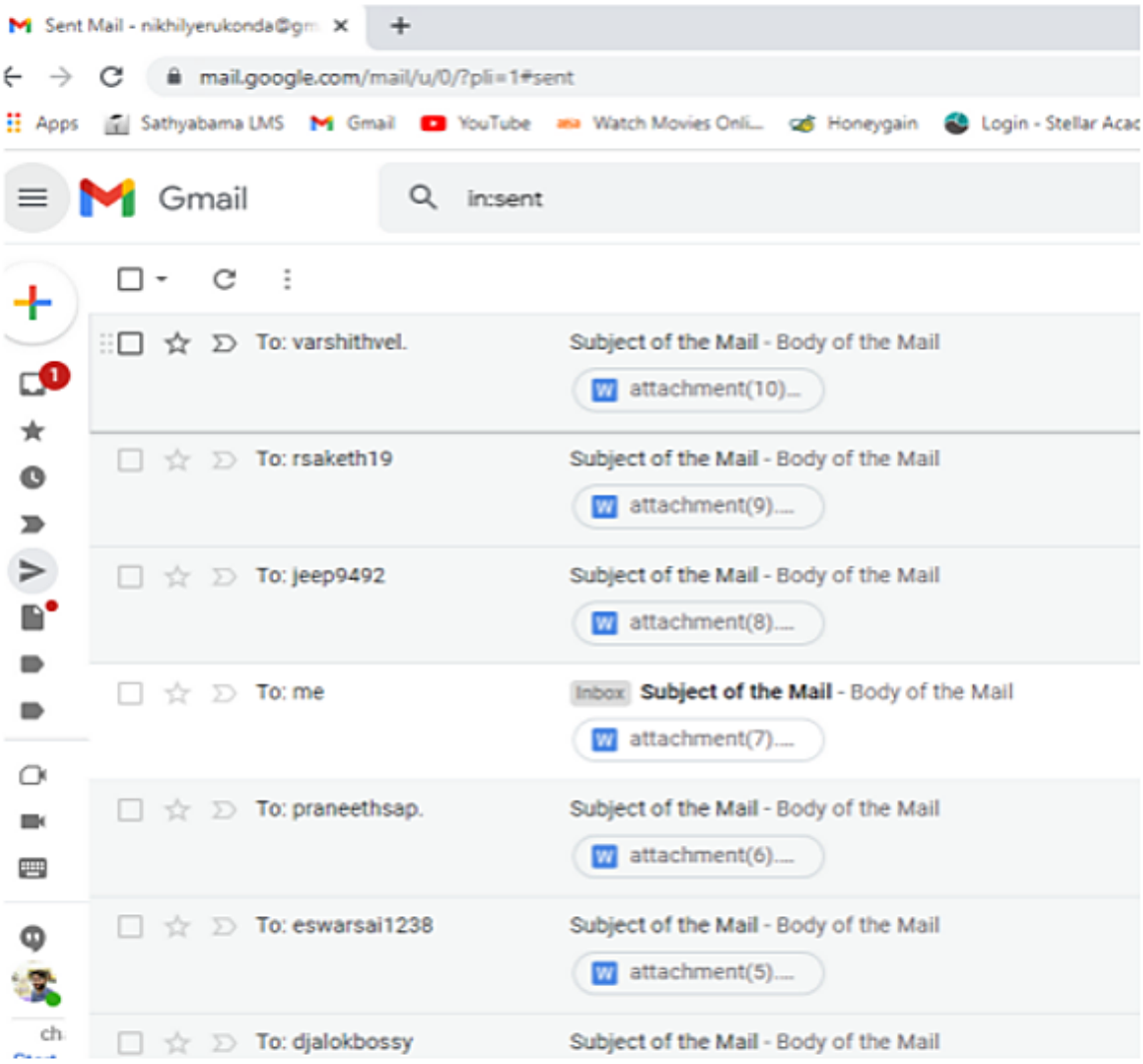
This picture shows that the action is going on to get the resultant output



this picture shows that the project is end.


Process Studio - Edit - Email with Attachment - [COMPLETED]
File Edit View Tools Debug Help
Pointer
Link
Block
Process
Page
Action
Decision
Choice
Calculation
Multi Calc
Data Item
Collection
Loop
Note
Anchor
End
Alert
Exception
Recover
Resume
Expression:
Main Page
Start
Loop Start1
Multi1
Loop End1
End
Email with Attachment
Created by admin at 22-10-2021 10:17:12
Last changed by admin at 22-10-2021 12:01:19
Workbook
Credentials
Count
11
27-10-2021 16:18:57 END: 'End' Process 'Email with Attachment' Subsheet 'Main Page'

this picture shows the result



7.ADVANTAGES AND DISADVANTAGES

Advantages:

1.Reduce the potential for errors

If you currently have one person writing and sending emails to new leads, then there's a high chance a mistake can happen. Getting somebody's name wrong is a cardinal sin - it's right there in the email! .Making spelling mistakes or hitting send prematurely can cause the email recipient to have less trust in your company. It shows a lack of interest and attention to detail but with email workflows, they can be proofed and checked over and over before you put them live.

2.Reduce costs

You don't need a large sales team making cold calls every day. They can approach people when they're ready to be contacted and you don't need additional admin teams ensuring emails are sent out regularly. Paying for a large team to constantly contact prospects isn't needed. Also, you don't need to be tech-savvy to use marketing automation, meaning that even less-experienced marketers can manage workflows.

3.It's automatic and doesn't require intervention

One of the biggest benefits of an email workflow is that it works its magic all on its own. After they're set up, you can choose a specific criteria to trigger the workflows and off they go.You don't need someone to click send. You can rely on the email automation to work 24/7.

4.Efficiency in workflow

One of the first desires that probablycomes to mind is efficiency.When building your app,you want to be able to reach as many people as you can.You also want to reach them on a consistent basis in a way that doesn't involve you spending all the your time sending emails to every subscriber.

Disadvantages:

1.Added complexity as when RPA is not managed and documented properly,it can make the task in hand more complex.

2.Managing and maintaining of bots can be a tough job if not done with expertise.

8.APPLICATIONS

This solution can be applied many times in real life ,in order to send a bulk of email from college to students regarding certifactions,courses and about any notifications.Used in IT sector for sending different types of bulk email regarding projects,notifications etc. The another purpose is to send automatic messages on birthday wishes.Used for onboarding emails,card abandoment emails,loyalty emails etc..

9.CONCLUSION

From this project we get to know that Email automation very important for any other developments also.At first we have to store the each person email id in Microsoft Excel and save it for further use.We have to import MS-EXCEL VBO and Email SMTP-POP3 VOB into the Blue Prism,and then create the process and then we have to give the following actions such as create instance,opening excel file,getting email id's,closing the excel file,Configuring Email,fetching the attachments and then sending the mails. Click on refresh button then click run button to run the program.The resultant output will be emails sent with the attachment.

Overall our planning and research went quite well . Our group had some few chats about the project planning . We tried our level best to include all the necessary points required related to the topic .

10.FUTURE SCOPE

In future there will be many development takes place under this email automation.Email marketing can be further develop by this technique.this email is the top jen tool used by 90 % of the population.

11.BIBILOGRAPHY

We referred some books and surfed the internet for the better outcome of the project

1.Blue Prism Foundation Training course from Blue Prism.
2.some youtube videos helped me to complete this project.
3.Book by Tom Taulli "The Robotic Process Automation Handbook".
4.Book ny Lim Mei Ying "Robotic process Automation with blue prism quick start guide".
5.Smartinternz tutorial classes help me for completion of project.websites
1.https://portal.blueprism.com/
2.https://ieeexplore.iee.org/Xplore

SUBMITTED BY:
SAPPA.SHANMUKA PRANEETH