Information and Communication Technology

Department

Title - Mail Merger using Python

INTRODUCTION :

This project is about sending emails automatically using Python.
It helps to send many personalized mails like invitations, certificates, or announcements.
The data of people is stored in a CSV or Excel file which the program reads.
The mails are sent using Gmail's SMTP server through Python.

➢ Methodology:

The user enters Gmail ID and App Password.
The program connects to Gmail SMTP server using smtplib.
The recipient data is read from a CSV file using pandas.
For every name and email, a personalized message is created.
The program can also attach any file like a photo if given by the user.
Then each mail is sent one by one through a loop.

pandas – used to read recipient data from the CSV file
smtplib – used to connect and send emails through the Gmail SMTP server
email.mime.text – used to create and attach plain text content in the mail
email.mime.multipart – used to combine text and file attachments into one email
email.mime.base and encoders – used for adding any type of attachment like images or PDFs
os – used to check if the selected file exists before sending mail

➢ Applications :

It can send bulk announcements or notifications.

Git Hub Link :

Om-Lathigara/PYTHON-