

Workshop Duration: 5 days

Syllabus

Day 1: Introduction

Introduction to Python and Automation

Why Automate?

Future of Automation

Setting up Python Environment

Python libraries for automation

What to automate?

How to automate?

Example of Automation: Downloading Multiple Images in a JPG/PNG Format

Day 2: GUI Automation

Automation 1: GUI automation with *pyautogui*

Automation 2: Open chrome history

Automation 3: Send scheduled Whatsapp messages

Assignment 1: Subscribe to youtube Channel

Day 3: Email Automations

Automation 4: Auto send multiple emails

Automation 5: Auto send multiple emails with attachments

Automation 6: Auto send dynamic emails according to CSV file

Assignment 7: Solution to Assignment 1

Assignment 2: Auto send emails by attaching images as pdf attachment

Day 4: General Tasks Automations

Automation 8: Rename images in a folder serially

Automation 9: Convert images to pdf

Automation 10: Customized QR code generator

Automation 12: Extensions Conversion (e.g: JPG to PNG)
<i>Automation 13: Solution to assignment 2</i>
<i>Assignment 3: Automate File Compression (using gzip)</i>
Day 5: Web Automation
Automation 14: Web Automation using Selenium
Automation 15: Automate data entry in web forms.
Automation 16: Automate daily attendance report
<i>Automation 11: Solution to assignment 3</i>
<i>Assignment 4: Automate CITPC Wifi login</i>
<i>Special Assignment: Automate google classroom to attend online class on scheduled time</i>