

Workshop Duration: 5 days

## Syllabus

<b>Day 1: Introduction</b>
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
<b>Day 2: GUI Automation</b>
Automation 1: GUI automation with <i>pyautogui</i>
Automation 2: Open chrome history
Automation 3: Send scheduled Whatsapp messages
<i>Assignment 1: Subscribe to youtube Channel</i>
<b>Day 3: Email Automations</b>
Automation 4: Auto send multiple emails
Automation 5: Auto send multiple emails with attachments
Automation 6: Auto send dynamic emails according to CSV file
<i>Automation 7: Solution to Assignment 1</i>
<i>Assignment 2: Auto send emails by attaching images as pdf attachment</i>
<b>Day 4: General Tasks Automations</b>
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>
<b>Day 5: Web Automation</b>
Automation 14: Web Automation using <b>Selenium</b>
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>