**Title:** \*Building and Testing an API Server with Basic Authentication Using Python, Postman, and Ngrok\*

Summary:

In this lab, we have designed and implemented a local API server in Python. The server is designed to handle GET requests and uses Basic Authentication to verify users before responding. The API responds with a personalised message for the authenticated users.

The task for Edu. The first part

Involved in designing and implementing a simple API server in Python using the built-in. The server needs to be configured to respond with a JSON message when it receives a GET request. Then expose the local API server to the internet to complete the following tasks.

The task for Team, each team member have to perform manual testing of the API server using Postman.

Testing the API server using Postman. We must use Postman to send GET requests to the server with the appropriate authentication details. The server was configured to respond with a `200 OK` status, a personalised message for authorised users, and a `401 Unauthorized` status for unauthorised users.

Task: 2.1

Using a piece of Code snippet perfume the same task your command line interface (Terminal)

Arun, The CTO of Globamatic FTF, a rapidly growing multimedia company, is concerned about the website's availability to their end users. He's also worried by the number of manual steps his team must go through to confirm the website's availability. Therefore, he has tasked the web to be monitored 24/7 and generate an alert in case the website is unavailable. In addition, he has requested that an alert be generated if a large number of 'Unauthorized' statuses are detected in a short period of time.

Need help to carry out the task, do not miss our meeting, we will solve it.

This lab provides a hands-on introduction to building and testing a simple API server with Basic Authentication. It demonstrates how to use Python, Postman, and Ngrok to develop and test an API server, and introduces important concepts like HTTP methods, status codes, and Basic Authentication.