**Course End Project:**

**Non-Functional Testing Using Postman, REST Assured, and JMeter**

**Algorithm:**

**Postman:**

**Step 01 :** Go to https://reqres.in /

**Step 02 :** Get the required links for GET and POST operations

**Step 03 :** Open Postman

**Step 04 :** Create new GET request

**Step 05 :** Enter the GET request API link

**Step 06 :** Add the test class to check the response

**Step 07 :** Click Send button

**Step 08 :** Verify the results

**Step 09 :** Create new POST request

**Step 10 :** Enter the POST request API link

**Step 11 :** Add the body in json format

**Step 12 :** Add the test class to check the response

**Step 13 :** Click Send button

**Step 14 :** Verify the results

**REST Assured:**

**Step 01 :** Go to https://reqres.in /

**Step 02 :** Get the required links for GET and POST operations

**Step 03 :** Open Eclipse

**Step 04 :** Create new maven Project

**Step 05 :** Create two new classes for GET and POST requests

**Step 06 :** Write the program for the GET and POST request with the API link we get before

**Step 07 :** Add log4j logger into the program

**Step 08 :** Run the program

**Step 09 :** Validate the response

**JMeter:**

**Step 01 :** Go to https://reqres.in /

**Step 02 :** Get the required links for GET, POST, PUT and DELETE operations

**Step 03 :** Open Postman

**Step 04 :** Create new GET request

**Step 05 :** Create new POST request

**Step 06 :** Create new PUT request

**Step 07 :** Create new Delete request

**Step 08 :** Add a listener to verify the results

**Step 09 :** Remove the listener

**Step 10 :** Save the script

**Step 11 :** Go to BlazeMeter.com

**Step 12 :** Create new test

**Step 13 :** Upload the test script we created

**Step 14 :** Run the test for 20 minutes

**Step 15 :** Verify the required result