1. **Complete the task with Selenium WebDriver using Page Factory and TestNG.**
2. **Complete the task using Object Repository** 
   1. **Properties file**
   2. **Xml file**

**OR**

**Complete the task using Parameterization**

* 1. **CSV file**
  2. **XL sheet using apache POI**
  3. **Data provider**
  4. **XML file**

1. **Selenium Grid (to configure HUB, NODE and Selenium remotewebdriver script)**

Flow:

1. Launch the application browser
2. Open the web page “login.html “ in the browser.
3. Verify login page heading as “Paper submission for International Journal” using xpath.
4. Click ‘ click here to know subject categories’ to navigate to topics.html
5. Click ‘back’ to navigate back to login.html
6. Enter UserName. Ensure that displays the error message “Please enter UserName” upon clicking on the “Login” button without entering any data in the text box.
7. Enter Password. Ensure that displays the error message “Please enter Password” upon clicking on the “Login” button without entering any data in the text box.
8. Enter “vrl” as username and “vrl1234” as password for valid login. For this authorized user it will move to next page called “registration page”.
9. Verify the title “Capgemini International Research journal” of the page.
10. Enter Full Name. Ensure that the alert box displays the message “Please fill the Full Name” upon clicking on the button “Confirm Registration” without entering any data in the text box.
11. Enter Email. Ensure that the alert box displays the message “Plese fill the Email” upon wrong email format entered in the text box.
12. Enter mobile no. Ensure that the alert box displays the message “Please fill the Mobile No.” upon clicking on the button “Confirm Registration” without entering any data in the text box.
13. Ensure that the alert box displays the message “Please enter valid Contact no.” upon clicking on the button “Confirm Registration” on entering wrong data that doesn’t start with either 7,8 or 9 and doesn’t have 10 digits in the text box.
14. Select City. Ensure that alert box display the message “Please select city” upon clicking on the button “Confirm Registration” without selecting any city
15. Select State. Ensure that alert box display the message “Please select state” upon clicking on the button “Confirm Registration” without selecting any state
16. Enter Subject Category. Ensure that the alert box displays the message “Please fill the Subject category” upon clicking on the button “Confirm Registration” without entering any data in the text box
17. Enter Paper Name. Ensure that the alert box displays the message “Please fill the Paper Name” upon clicking on the button “Confirm Registration” without entering any data in the text box
18. Select Number of Authors. Ensure that the alert box displays the message “Please fill the Authors” upon clicking on the button “Confirm Registration” without entering any data in the text box
19. Enter Company Name. Ensure that the alert box displays the message “Please fill expiration month” upon clicking on the button “Confirm Registration” without entering any data in the text box
20. Enter Designation. Ensure that the alert box displays the message “Please fill expiration year” upon clicking on the button “Confirm Registration” without entering any data in the text box
21. Click on “Confirm Registration” button. Ensure that it navigates to success page which displays the message “Registration Completed!!!”

**The Test should do the following apart from the flow mentioned above:**

a. Locate the UI elements using appropriate locators & fill the data in the form.

b. Close the browser window once the entire task completes.