**For Setting up Basic Test Automation Framework involves subtasks**:

1. Selecting Test Automation Tools

2. Creating the Initial Test Automation Project Template

3. Implementing UI Test Automation Support

4. Incorporating Web API Test Automation Support

5. Establishing a Modular Structure

6. Facilitating Integration and Collaboration

7. Preparing Documentation and Reports.

**Exploring Test Management tools for test case management comprises three subtasks:**

1. Investigating Different Tool Types

2. Documenting Tool Utilization and Templates

3. Selecting and Configuring a Test Management Framework.

**Task 3:**

**Explore Test Management tools and setup a tool for management of your test cases for your project**

we will focus on understanding how these tools can be employed for test case creation and management

leveraging templates

creating video demonstrations to exhibit tool functionalities

and compiling a final comparative report to make an informed decision regarding the most suitable test management approach.

**Task 4:**

**Setup basic Test Automation framework for UI and API based on the project type that you have selected**

Conducting research and assessment of test automation tools suitable for the chosen project type.

Uploading the initial project structure to the repository.

Establishing UI test automation capabilities within our framework.

Selecting suitable API testing tools/framework.

Organizing and structuring project directories and files in accordance with the modular approach defined.

Collaboratively integrating the UI and API testing components as a team.

Generating documentation for the test automation framework.

Delegating specific tasks and responsibilities to team members