**Task 2: Estimation**

### **Work Breakdown Structure (WBS) for Test Activities:**

1. Test Planning and Preparation:(4 days)

* Review of Increment Description and User Stories. 1 day
* Identification of testable features and functionalities. 1 day
* Creation of test strategy and test plan. 1 day
* Estimation of testing effort and resources required. 1 day

1. Test Case Design:(3 Days)

* Identification of test scenarios based on user stories. 1 day
* Creation of test cases for new features (user registration, booking, user roles, mobile app). 1.5 day
* Review and validation of test cases. 0.5 day

3. Environment Setup: (1 Day)

* Configuration of test environments (development, staging, production). 0.5 day
* Installation and setup of necessary software tools (test management, bug tracking). 0.5 day
* Configuration of mobile devices for mobile application testing. 1 day

4. Test Execution:(3 Days)

* Execution of test cases for new features. 1.5 day
* Regression testing of existing functionalities affected by new changes. 1 day
* Exploratory testing to uncover potential issues. 0.5 day

5. Bug Reporting and Tracking: (2 Days)

* Identification and documentation of defects found during testing. 1 day
* Prioritization of bugs based on severity and impact. 0.5 day
* Communication with development team for bug fixes and retesting. 0.5 day

6. Test Documentation:(2 Days)

* 6.1 Compilation of test reports summarizing test results. 1 day
* 6.2 Documentation of any issues encountered during testing. 0.5 day
* 6.3 Maintenance of test documentation for future reference. 0.5 day