**Case Study (Example)**

**Test Strategy: Internet Based DTS**

1. Assess Testability:

(Each factor rated on a Scale of 1 to 5)

1. Operability -> 4
2. Controllability -> 5
3. Observability -> 4
4. Simplicity -> 3
5. Understandability -> 4
6. Suitability -> 3
7. Stability -> 2
8. Assess Test Factor:
9. Correctness
10. Authorization
11. Continuity of processing
12. Access controls
13. Reliability
14. Performance
15. Integrity
16. Identifying the Life Cycle stages of these Factors:

(As per various levels of testing)

1. Correctness :- Integration Testing (Black Box Testing) / Validation Step
2. Authorization :- Integration Testing (Black Box Testing) / Validation Step
3. Continuity of processing :- Post UAT
4. Access controls :- System Testing (Black Box Testing) / Verification Step
5. Reliability :- Production or UAT (Black Box Testing) / Verification Step
6. Performance :- System Testing (Black Box Testing) / Validation Step
7. Integrity :- System Testing (Black Box Testing) / Validation Step
8. Assess Drivers:

(Drivers that influence testing)

1. Correctness: Individual Tester
2. Authorization: Individual Tester
3. Continuity of processing: Client or Management
4. Access controls: Individual Tester (Additional Training Required)
5. Reliability: Client or Management
6. Performance: Individual Tester
7. Integrity: Individual Tester (Additional Training Required)

**Test Plan:**

1. Test Item :- Internet based DTS
2. Software Risk Issues :-
3. Security risks
4. Performance risks
5. Features to be Tested :-
6. User Registration
7. Customer Actions
8. Admin functions
9. Manager & member rights.
10. Features Not to be Tested :-
11. New Version not to be Tested.
12. Approach :-
13. White Box Testing
14. Black Box Testing
15. Test Deliverables :-
16. Source Code
17. Test Scenario
18. Test Plan
19. Test Case
20. Test Execution Report
21. Test Report
22. Defect Report
23. Item Pass / Fail Criteria :-

During the Test Execution phase, if 5 Minor Bugs & 1 Major Bug is encountered but with zero Critical or Show Stoppers. In this case, the Application can be considered as ‘Pass’ Criteria. Else, it is considered to ‘Fail’. Even one show stopper can be considered as Fail.

1. Suspension & Resumption Criteria :-
2. Presence of Show Stoppers (even one or more) in application is considered as Suspension Criteria
3. Non-availability of resources is a suspension criteria
4. Resolution of this Issue is a Resumption criteria
5. Responsibility :-
6. Project Manager
7. Test Lead
8. Tester (Quality Analyst)
9. Clients or Customers
10. Staffing & Training Need :-
11. 4-5 Testers are required
12. Training needed in Access Controls, Integrity
13. Schedule :-

Minimum 2 Weeks of time is required to complete the work.