**7.7. Appendix G: Test plan and test log**

**7.7.1.Test plan**

Test plan is devided in 3 audiences

1. Stakeholder: These person will be ensuring if the product meets their requirment
2. Team member: The Team members are responsible for developing the system
3. Tester: Tester will conduct ,run and test the full system.

The system is developed now and it is time to test the system whether it works properly or not and if it meets the user requirments.

There are 6 types of main testing for this system which I will perform

1. Functionality Testing
2. Usability testing
3. Database Testing
4. Compatibility testing
5. Security testing
6. Crowd Testing

**TEST Assumptions:**

1. The stakeholder will be testing if the system fullfill their requirments and they will be present at development area
2. Tester will perform the test and note the problems for further developments
3. The main test requirments will be focused first
4. Tester will lead testing procedurs
5. The product will be tested with end users

**Test Strategy**

1. Compatability testing: If the system works on different browser on not
2. Cheking if the system links works properly
3. Check if the system’s login,logout options work properly
4. Testing if the database saves data,triggers works or not
5. Cheking if the systems dashboard works properly
6. Functionality testing ,Blackbox and whitebox testing
7. Testing the usability of the system on end users
8. Checking if the pasword is secure ,hashed and not shown on anywhere
9. Check if Security lock system works properly
10. Crowd testing

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test ID** | **Test Description** | **Expected Result** | **Actual Result** | **Pass** | **Fail** |
| T.1 | If the system is responsive | System response | Response from the system | pass |  |
| T.2 | Admin login and authentication | Admin can login with valid password | System login | pass |  |
| T3. | No links are broken | All links work | Yes works | pass |  |
| T4 | Wrong user id,password does not works | User can not login | Can not login | pass |  |
| T5 | Wrong input is not taken by the system if the value is fixed | Only fixed value works | Fixed value works | pass |  |
| T6 | Only admin can register teacher and guests | User can not create id or register | Only admin can register | pass |  |
| T7 | System works on other browser and mobile | System works on other browsers | System works on google chrome,operamini,internet explorer and mobile | pass |  |
| T8 | Notification works for all users | Notification works | User gets and checks notifications | pass |  |
| T9 | Lock screen facility | If locked user has to provide password again | User can not login without giving password | pass |  |
| T10 | Checking database connection | Database connection establishment | Connection is made | pass |  |
| T11 | Database of the system works | Data is saved,triggers works | Saves and shows data properly | pass |  |
| T12 | End user testing | User can use it without difficulty | User can use it | pass |  |
| T13 | Test if system allows to go on a pasted link wothout login | redirects to login page | No system does not allow ,it redirects to login page | pass |  |
| T14 | Event ,session,course and CL,CM can be created | Events,CL,CM created | Session,Events,course,CL,CM created | pass |  |
| T15 | Test with people | Crowd testing | successfull | pass |  |