Chapter 6

6.1 Testing

Software testing is the process of testing the functionality of the system to ensure that system is supposed to do what it is accepted and it is defect free. The testing prevents the bugs and reduces development cost and improves the performance of the system. Testing is important because if there is any error in the system it can identify at the early and can solved the error before the delivery of the system. Properly tested software product ensures reliability, security and high performance of the system.

6.2 Performance Testing

Performance testing is a technique used to determines how system perform the given task or workload while performance the task the system maintain its speed, scalability and responsiveness. It determines the application output, speed and response time of the system.

6.3 Validation Testing

Validation testing is a quality assurance (QA) test it determines that system meets the needs of the user. The main objective of the validation testing is that system meets its acceptance criteria. It is used to determine that system meets the requirement of the user.

6.4 Testing Report of Project

It is the report of test that shows the summary of testing its activities and results. It determines the proof of the effectiveness of the system that system passes the entire test and fulfills the entire requirement. The system test report shown below:

|  |  |  |
| --- | --- | --- |
| **TEST ID** | **TESTS** | **RESULT** |
| Test 1 | Verify Admin request login in | Successfully passed |
| Test 2 | Verify Admin request forget password | Successfully passed |
| Test 3 | Verify Admin set new password | Successfully passed |
| Test 4 | Verify Admin fill all the field of the form | Successfully passed |
| Test 5 | Verify Admin add new college | Successfully passed |
| Test 6 | Verify Admin view college | Successfully passed |
| Test 7 | Verify Admin delete college | Successfully passed |
| Test 8 | Verify admin edit college | Successfully passed |
| Test 9 | Verify admin view colleges | Successfully passed |
| Test 10 | Verify admin logout | Successfully passed |
| Test 11 | Verify admin search college | Successfully passed |
| Test 12 | Verify student search college | Successfully passed |
| Test 13 | Verify student view male college | Successfully passed |
| Test 14 | Verify student view female college | Successfully passed |
| Test 15 | Verify student submit jurisdiction form | Successfully passed |
| Test 16 | Verify student submit local district form | Successfully passed |
| Test 17 | Verify student submit employee quota form | Successfully passed |
| Test 18 | Verify student submit HAFIZ-E-QURAN form | Successfully passed |
| Test 19 | Verify student view male college | Successfully passed |
| Test 20 | Verify student view female college | Successfully passed |
| Test 21 | Verify student search female college | Successfully passed |
| Test 22 | Verify student view jurisdiction predication list | Successfully passed |
| Test 23 | Verify student view district local predication list | Successfully passed |
| Test 24 | Verify student view employee predication list | Successfully passed |
| Test 25 | Verify student view HAFIZ-E-QURAN predication list | Successfully passed |
| Test 26 | Verify student view male jurisdiction list | Successfully passed |
| Test 27 | Verify student view female jurisdiction list | Successfully passed |
| Test 28 | Verify student view college detail page | Successfully passed |
| Test 29 | Verify student search male college | Successfully passed |