**Traceability Matrix**

**Test case and code:-**

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| **S. No.** | **Test Case name** | **Files (in .ejs)** | **Router Name** |
| 1 | Welcome page | welcome | / |
| 2 | Student login | login | /login |
| 3 | Student forgot password page | forget | /forgetpass |
| 4 | Student Registration page | register | /register |
| 5 | Student Home Page | home | /home |
| 6 | Academic calendar | calender.pdf | -- |
| 7 | Class time table | timetable.pdf | -- |
| 8 | Student Status | student\_status | /stu\_status |
| 9 | Fee Status | fee | /fee |
| 10 | Student Profile | profile | /profile |
| 11 | Core Subject | subject | /subject |
| 12 | (Student) Course coordinator | course\_coordinator\_s | /course\_coordinator\_s |
| 13 | Semester Results | result | /result |
| 14 | Dean/Admin Login | dean\_login | /dean\_login |
| 15 | Dean/Admin Forgot Password | forget | /forgotpass\_dean |
| 16 | Dean/Admin Registration | register | /register\_dean |
| 17 | Dean/Admin Home | dean\_home | /dean\_home |
| 18 | Academic calendar | calendar,calender.pdf | /calendar |
| 19 | Time table | timetable,timetable.pdf | /timetable |
| 20 | Search Student | search\_student | /student\_search |
| 21 | View Student Information | search\_student,search\_result | /search\_student |
| 22 | Search Result | search\_result\_stu | /res\_search |
| 23 | View Student Marks | search\_result\_stu,dean\_result | /search\_result\_stu |
| 24 | Student Profile update | profile\_update | /pro\_update |
| 25 | (Dean )Course Coordinator | course\_coordinator | /course\_coordinator |

**SRS and Code:-**

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| **S.No.** | **Use Case** | **File (.ejs)** | **Router** |
| 1 | Dean/admin Login | dean\_login | ./dean\_login |
| 2 | Change Password | forget | /forgetpass\_dean |
| 3 | View Student Profile | search\_result | /search\_student |
| 4 | View Student Progress | dean\_result | /search\_result\_stu |
| 5 | View General Information | search\_student | /student\_search,/search\_student |
| 6 | Fee/Exam Details of any Student | search\_result | /search\_student |
| 7 | Student Login | login | /login |
| 8 | Change Password | forget | /forgetpass |
| 9 | View Own Profile | profile | /profile |
| 10 | View Own Progress | result | /result |
| 11 | View General Information | profile,status | /profile,/stu\_status |
| 12 | Fee/Exam Details of logged in Student | fee | /fee |
| 13 | Edit exam schedule | -- | -- |
| 14 | Edit status | profile\_update | /pro\_update |
| 15 | Edit profile | profile\_update | /pro\_update |
| 16 | Logout | welcome | / |

**SDS and SRS:-**

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| **S.no.** | **Requirement Description** | **Use Case ID** | **Low level Design Element-1** | **Low level Design Element-2** |
| 1 | User Login into the system | UC-1, UC-7 | 3.3.1.1 | 3.3.1.1.1 |
| 2 | Change password | UC-2,UC-8 | 3.3.1.3 | 3.3.3.7,3.3.3.14 |
| 3 | View profile | UC-3, UC-9 | 3.3.2.3 | 3.3.3.3,3.3.3.10 |
| 4 | View progress | UC-4,UC-10 | 3.3.2.6 | 3.3.3.6,3.3.3.13 |
| 5 | View general information | UC-5, UC-11 | 3.3.2.1 | 3.3.3.1,3.3.3.8 |
| 6 | View fee/exam details | UC-6, UC-12 | 3.3.2.2,3.3.2.5, | 3.3.3.2,3.3.3.9,3.3.3.12,3.3.3.5 |
| 7 | Edit exam schedule | UC-13 | 3.3.3.15 | 3.3.3.15.1 |
| 8 | Edit status | UC-14 | 3.3.3.16 | 3.3.3.16.1 |
| 9 | Edit profile | UC-15 | 3.3.3.17 | 3.3.3.17.1 |
| 10 | Logout | UC-16 | 3.3.1.2 | 3.3.1.2.1 |

**SDS and Code:-**

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| --- | --- | --- | --- | --- |
| **S.No** | **Low level Design Element-1** | **Low level Design Element-2** | **Files (in .ejs)** | **Router** |
| 1. | 3.3.1.1 | 3.3.1.1.1 | login,  dean\_login | ./dean\_login,  ./login |
| 2. | 3.3.1.3 | 3.3.3.7,3.3.3.14 | forget | /forgetpass |
| 3. | 3.3.2.3 | 3.3.3.3,3.3.3.10 | profile,  search\_result | /profile  /search\_student |
| 4. | 3.3.2.6 | 3.3.3.6,3.3.3.13 | student\_status,  result,  comp\_subject,  dean\_result | /stu\_status,  /resu,  /comp\_subject  /search\_result\_stu, |
| 5. | 3.3.2.1 | 3.3.3.1,3.3.3.8 | calender,  timetable, | /calender,  /timetable, |
| 6. | 3.3.2.2,3.3.2.5, | 3.3.3.2,3.3.3.9,3.3.3.12,3.3.3.5 | fee, | /fee |
| 7. | 3.3.3.15 | 3.3.3.15.1 | timetable | /timetable |
| 8. | 3.3.3.16 | 3.3.3.16.1 | result\_admin\_m, | /modify\_result\_1 |
| 9. | 3.3.3.17 | 3.3.3.17.1 | profile\_update | /pro\_update |
| 10. | 3.3.1.2 | 3.3.1.2.1 | welcome | /signout |