

**School of Computing**

**SRM IST, Kattankulathur – 603 203**

**Course Code: 18CSC206J**

**Course Name: Software Engineering and Project Management**

|  |  |
| --- | --- |
| **Experiment No** | 11 |
| **Title of Experiment** | Test Cases |
| **Name of the candidate** | SOORAJ TOMAR |
| **Team Members** | HARSHIT SHARMA(RA2011030010206), PIYUSH BISHT(RA2011030010226) |
| **Register Number** | RA2011030010224 |
| **Date of Experiment** | 23/5/22 |

**Mark Split Up**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Description** | **Maximum Mark** | **Mark Obtained** |
| 1 | Exercise | 5 |  |
| 2 | Viva | 5 |  |
| **Total** | | **10** |  |

**Staff Signature with date**

**Aim**

To develop the test cases manual for the STUDENT ATTENDANCE MANAGEMENT SYSTEM.

**Team Members:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Register No** | **Name** | **Role** |
| **1** | **RA2011030010224** | **SOORAJ TOMAR** | **Rep** |
| **2** | **RA2011030010206** | **HARSHIT SHARMA** | **Member** |
| **3** | **RA2011030010226** | **PIYUSH BISHT** | **Member** |

# Test Case

# Functional Test Cases

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test ID (#)** | **Test Scenario** | **Test Case** | **Execution Steps** | **Expected Outcome** | **Actual Outcome** | **Status** | **Remarks** |
| FR1 | Verify User Login | To check if Login is authenticated correctly. | Start the S/W.  Enter Login Credentials. | Login Valid/Invalid according to input and details display or home screen. |  | Pass | Success |
| FR2 | Attendance Details display. | To check if S/W can Display details correctly. | Start the S/W.  Enter Login Credentials.  Check details. | Details displayed successfully. |  | Pass | Success |
| FR3 | Attendance Detained Display | To check if S/W can Display Detained Subjects details correctly. | Start the S/W.  Enter Login Credentials.  Check detained subjects. | Detained details displayed successfully. |  | Pass | Success |
| FR4 | Details Edit | To check if S/W can edit details correctly. | Start the S/W.  Enter Login Credentials.  Edit details. | Details edited successfully. |  | Pass | Success |

# Non-Functional Test Cases

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test ID (#)** | **Test Scenario** | **Test Case** | **Execution Steps** | **Expected Outcome** | **Actual Outcome** | **Status** | **Remarks** |
| NFR1 | Usability | To check if UI is usable by generic users | Start the S/W.  Check inputs and usability. | Easy to use. |  | Pass | Success |
| NFR2 | Speed of response | To check that the S/W can be fast to respond to queries | Start the S/W.  Check any functionalities and time the response. | Fast in response. |  | Pass | Success |
| NFR3 | Input response | To check that the system can respond to various inputs | Start the S/W.  Check any input including valid and invalid. | Can respond to valid/invalid inputs. |  | Pass | Success  \*A more user-friendly message to be displayed in case of invalid input. |

Result:

Thus, the test case manual has been created for the STUDENT ATTENDANCE MANAGEMENT SYSTEM.