LEAVE MANAGEMENT SYSTEM

TEST REPORT

Version 1.0

04/04/2016

VERSION HISTORY

Version #	Implemented By	Revision Date
1.0	*Group 8*	*<04/04/2016>*

Table of Contents

1.0   INTRODUCTION

1.1   PURPOSE

This *Leave Management System* Test Report provides a summary of the results of test performed as outlined within this document.

2.0   TEST PLAN

For Student and Faculty

Test Case ID	Description of test case	Result
1.	Name and branch should not be edited for a registered user.	No, they can be edited for the registered user.
2.	A button for editing the password only.	There is no such button.
3.	Should not take leave for the same time period for many times.	No. user is able to do that.
4.	Should not take leave for different types of leave at the same time period.	But a user can take.
5.	Should not take leave for past time period	But it is possible in the software.
6.	Random ID should not be generated for the leave	There should be a pattern or it should not be required.
7.	There should be automation for selecting the end date by starting date and no. of days	We have to give start date, no. of days and also end date.
8.	Disapproved leave by HOD should not be displayed as pending in "Coordinator approved" column.	But it is displayed.
9.	Disapproved and pending leaves should not be subtracted from total available leaves.	But the count involves the disapproved and pending leaves also.
10.	During registration, with the same name and user-name(roll no), a user should not register as a faculty and student also	Not able to differentiate between the role faculty and student.

For HOD, Faculty Coordinator, UG/PG Coordinator

Test Case ID	Description of test case	Result
11.	Can detect who has applied for leave.	No.
12.	If an end user apply for same leave(for same time-period) for many times then also it should not approve	But it can approve.
13.	Verification of the authenticity of medical leaves	No.

For Admin

Test Case ID	Description of test case	Result
14.	Extra buttons for no use	Yes
15.	Permission for changing only the number of leaves	No. Can edit any information.
16.	An error message should be displayed if an existing user try to register again.	There is no such error message.

3.0 TEST ASSESSMENT

The test was really adequate for assessing the whole software as a system.

The individual module testing was not done.

4.0 TEST RESULTS

[Summarize the test results. Include a detailed description of any deviations from the original test plan, design, test case, or expected results. Include any issues or bugs discovered during the test.]

4.1 UNIT/MODULE/SYSTEM TESTING

Unit, module, and system integration testing activities were performed during the development of the system build or release.

4.2   SYSTEM TESTING

The table below summarizes the results of system testing:

Test Case Id	Date Tested	Tester	Pass /Fail	Severity of Defect (Low/medium/high)	Summary Of Defect	Closed prior to production release	Comments
1.	04/03/16	Anjali	Fail	Medium	Name and branch can be edited for a registered user.		It should not be edited
2.	04/03/16	Bharti Gothwal	Fail	Medium	There is no button for changing password.		The block for "update values" should not be displayed all the time
3.	04/03/16	Bharti Arya	Fail	High	Can take numerous leaves for same time period		An error message need to be there for preventing this behavior
4.	04/03/16	Anjali	Fail	High	Can take leave for different types of leave at the same time period.		An error message need to be there for preventing this behavior
5.	04/03/16	Bharti Gothwal	Fail	High	Can take leave for past time period		An error message need to be there for preventing this behavior

6.	04/03/16	Bharti Arya	Fail	Low	Random ID is generated for the leave		It is not required.
7.	04/03/16	Anjali	Fail	Low	There should be automation for selecting the end date by starting date and no. of days		There should be automation.
8.	04/03/16	Bharti Gothwal	Fail	Medium	Disapproved leave by HOD should not be displayed as pending in "Coordinator approved" column.		There should be a block for "disapproved Leaves"
9.	04/03/16	Bharti Arya	Fail	High	Disapproved and pending leaves are also subtracted from total available leaves.		This should not happen.
10.	04/04/16	Anjali	Fail	High	During registration, with the same name and user-name(roll no), a user should not register as a faculty and student also		Make user name(roll no) as a primary key.
11.	04/03/16	Bharti Gothwal	Fail	High	Can detect who has applied for leave.		It should display information about applicant.
12.	04/03/16	Bharti Arya	Fail	High	If an end user apply for same leave(for same time-period) for many times then also it can approve		It should not display the redundant leaves.
13.	04/03/16	Anjali	Fail	High	Verification of the authenticity of medical leaves		There should be an "attachment" for medical certificate.

14.	04/03/16	Bharti Gothwal	Fail	Low	Extra buttons for no use		Buttons for "reset data" and "send mail" is not working.
15.	04/03/16	Bharti Arya	Fail	High	Admin can also change name, branch, and password of the registered users.		Permission for changing only the number of leaves.
16.	04/03/16	Anjali	Fail	Medium	An error message should be displayed if an existing user try to register again.		An error message should be displayed.

4.3   USER ACCEPTANCE TESTING

The table below summarizes the test cases employed for user acceptance testing and the test results obtained for each test case:

Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/ Medium / High]	Summary of Defect	Closed prior to Production Release? *[This column will be filled by the dev team.]*	Comments
1.	04/04/16	Bharti Gothwal	Fail	low	Counting of end date for taking leave	<Yes> or <No>	It should be automated
2.	04/04/16	Bharti Arya	Fail	low	"Updating values" in status is		There should be button for

					always visible.		updating the information
3.	04/04/16	Anjali	Fail	high	No information about the person who has applied for the leave		There should be information about user-name and branch, roll no.

4.4 REGRESSION TESTING

The table below summarizes the test cases employed for regression testing and the test results obtained for each test case:

Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/ Medium/ High]	Summary of Defect	Closed prior to Production Release? *[This column will be filled by the dev team.]*	Comments
						<Yes> or <No>	

[If the test case failed, list the corresponding Test Incident ID in the Comments column.]

4.5 PERFORMANCE TESTING

The table below summarizes the test cases employed for performance testing and the test results obtained for each test case:

Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/ Medium/ High]	Summary of Defect	Closed prior to Production Release? *[This will be filled by the dev team.]*	Comments
						<Yes> or <No>	

[If the test case failed, list the corresponding Test Incident ID in the Comments column.]

4.6   <TYPE OF TEST>

The table below summarizes the test cases employed for <type of test (e.g., unit/ module/ interface testing)> and the test results obtained for each test case:

Test Case ID	Date Tested	Tester	Pass/Fail	Severity of Defect [Low/ Medium/ High]	Summary of Defect	Closed prior to Production Release? *[This will be filled by the dev team.]*	Comments
						<Yes> or <No>	

[If the test case failed, list the corresponding Test Incident ID in the Comments column.]

5.0   VARIANCES

[Describe any variances between the testing that was planned and the testing that actually occurred. Also, provide an assessment of the manner in which the test environment may be different from the operational environment and the effect of this difference on the test results.]

6.0   TEST INSTANCES

[Provide a brief description of the unexpected results, problems, or defects that occurred

during the testing.]

6.1   RESOLVED TEST INCIDENTS

[Identify all resolved test incidents and summarize their resolutions. Reference may be made to Test Incident Reports that describe in detail the unexpected results, problems, or defects reported during testing, along with their documented resolutions, which may be included as an appendix to this document.]

[This will be filled by the dev team.]

6.2   UNRESOLVED TEST INCIDENTS

[Identify all unresolved test incidents and provide a plan of action for their resolution. Reference may be made to Test Incident Reports that describe in detail the unexpected results, problems, or defects reported during testing, which may be included as an appendix to this document.]

[This will be filled by the dev team.]

7.0   RECOMMENDATIONS

The following recommendations are suggested:

1) Should not allow the multiple applications for the same time-period by a single user.

2) Should not allow to take leaves in past time-period.

3) Information about the person who has applied for the leave should be displayed to the granter.

4) Should not subtract the disapproved leaves from the available leaves.

5) There should be verification about the medical leaves.

6) Should not allow registration to the same person with the same username (roll no) with different roles.

7) Admin should not be allowed to change information about a user except number of leaves.

8) Disapproved leave by HOD should not be displayed as pending in "Coordinator approved" column.

APPENDIX A: REFERENCES

[Insert the name, version number, description, and physical location of any documents referenced in this document. Add rows to the table as necessary.]

The following table summarizes the documents referenced in this document.

Document Name	Version	Description
\<Document Name\>	*\<Version Number\>*	*[Provide brief description of the document]*

APPENDIX B: KEY TERMS

[Insert terms and definitions used in this document. Add rows to the table as necessary.]

The following table provides definitions for terms relevant to this document.

Term	Definition
[Insert Term]	*[Provide definition of the term used in this document.]*
[Insert Term]	*[Provide definition of the term used in this document.]*
[Insert Term]	*[Provide definition of the term used in this document.]*