Black Box Testing

1]. Announcement

- Objective :The objective of this test case is to ensure that users can successfully add announcements to the system, and that the added announcements are displayed correctly.
- Preconditions : Instructor logged in, access to "Add Announcement" page, functional application, stable network connectivity.

Test Environment

- Platform:Windows, Mac
- Browser: Chrome , Opera , Firefox ,Edge

Validity Checks :

- TA1 Entering valid input .
- TA2 Entering Empty input.
- TA3 Entering input with maximum input length.
- TA4 Entering input with a special character.
- TA5 Entering input with html line.
- TA6 Entering only space.
- TA7 Entering the same input twice.
- TA8 Entering multi line input.
- TA9 Changing language of input.
- TA10 Changing browser.
- TA11 Entering invalid input
- TA12 Deleting the input.
- TA13 Making error

Sr. no	Test Name	Announcement Name	Announcement Description	Validity check used	Announced	Passed
1	Valid Inputs	Project Update	This is a general update on the project's status.	TA1	YES	YES
2	Empty Inputs	Empty Inputs	Blank text	TA2,TA11	NO	YES

3	Maximum Length Inputs	Add text in max length	Adding text to maximum(Name 20 and announcement 100) length define by developer	TA1,TA3	YES	YES
4	Special Characters	Special !@#$	Testing special characters: !@#$%^&*()	TA1,TA4	YES	YES
5	HTML Tags	Important Update	This is <i>really</i> important!	TA1,TA5	YES	YES
6	Whitespace Inputs	Announcement	Blank text	TA2,TA4, TA11	NO	YES
7	Duplicate Announcements	Announcement Announcement	Announcement Description Announcement Description	TA7 ,TA1	YES	YES
8	Multiline Descriptions	Announcement 1 Announcement 2	Description line 1 Description line 2	TA1,TA8, TA3	YES	YES
9	Localization	घोषणा	विवरण	TA1,TA3, TA9	YES	YES
10	Cross-browser Testing	Project Update	This is a general update on the project's status.	TA1,TA2, Ta3,TA4, TA5,TA6, TA7,TA8, TA9,TA1 0	YES	YES

2].Add course

- Objective :Verify successful addition of courses with accurate display.

- Preconditions : User logged in, access to "Add Course" page, functional application, stable network connectivity.

Sr. No	Test Detail	Test Scenario	Expected Result	Validity check used	Passed
1	Valid Inputs	Entering a valid course name, a unique course ID, and a meaningful description	The course is successfully added to the system.	TA1	YES
2	Empty Inputs	Attempt to add a course with one or more empty fields.	The system should display appropriate error messages for the empty fields.	TA2	YES
3	Duplicate Course ID	Adding a course with a Course ID that already exists in the system.	The system prevents the addition of a course with a duplicate Course ID.	TA7,TA1	YES
4	Course ID Format	Course ID in an invalid format	The system accepts all formats.	TA2	YES
5	Maximum Length Inputs	Enter data at the maximum allowed length for each field.	The system successfully handles and stores the data within the specified limits.	TA3,TA1	YES
6	HTML Tags in Description	Enter a description with HTML tags.	The system handles HTML and adds the course.	TA5,TA1	YES
7	Special Characters in Course Name	Enter a course name with special characters.	The system accepts and displays course names with valid special	TA1,TA4	YES

			characters.		
8	Course Deletion	Add a course and then attempt to delete it.	The system successfully deletes the course.	TA1,TA12	YES
9	Cross-brow ser Testing	Test the "Add Course" functionality in different web browsers.	The functionality works consistently across various browsers.	TA1,TA2,Ta3,TA 4,TA5,TA6,TA7, TA8,TA9,TA10	YES
10	Performanc e Testing	Add a significant number of courses within a short time.	The system handles the load, and users do not experience significant delays.	TA1,TA12,TA3	YES
11	Error Handling	Introduce unexpected errors during the course creation process.	Users receive meaningful error messages, and the system gracefully handles errors.	TA13	YES

3]. Edit course

- Objective :Validate accurate processing of edits to existing course information.
- Preconditions : User logged in, access to "Edit Course" page, existing course data, functional application, stable network.

Sr. No	Test Detail	Test Scenario	Expected Result	Validity check used	Passed
1	Valid Inputs	Modify the course name, course ID, and description with valid values.	The system successfully updates the course information.	TA1	YES

2	Empty Inputs	Attempt to submit the edit form with one or more empty fields.	The system displays appropriate error messages for the empty fields, and the existing data remains unchanged.	TA2,TA11	YES
3	Duplicate Course ID	Edit the course and change the Course ID to one that already exists in the system.	The system prevents the update and displays an error message regarding the duplicate Course ID.	TA7,TA1	YES
4	Course ID Format	Course and modify the Course ID to an invalid format (e.g., special characters, spaces).	The system accepts the Course ID format and displays the course.	TA2	YES
5	Maximum Length Inputs	Edit the course and set the course name, course ID, and description to the maximum allowed lengths.	The system successfully handles and stores the updated data within the specified limits.	TA3,TA1	YES
6	HTML Tags in Description	Edit the course and introduce HTML tags in the description.	The system handles HTML tags .	TA5,TA1	YES

7	Special Characters in Course Name	Edit the course name and include special characters.	The system accepts all characters.	TA1,TA4	YES
8	Reverting Changes	Edit the course and then revert the changes to the original state.	The system successfully reverts the changes, restoring the course information to its initial state.	TA1,TA12	YES
9	Cross-browser Testing	Test the "Edit Course" functionality in different web browsers.	The functionality works consistently across various browsers.	TA1,TA2,Ta3,TA4,TA5,TA6,TA7,TA8,TA9,TA10	YES
10	Performance Testing	Edit a significant number of courses within a short time.	The system handles the load, and users do not experience significant delays.	TA1,TA12,TA3	YES
11	Error Handling	Introduce unexpected errors during the course editing process.	Users receive meaningful error messages, and the system gracefully handles errors.	TA13	YES