

# Test Case

## 1) Test case for Student registration:

S. No.	Input	Condition	Expected Result	Actual Output
1	Student Select the option to view the offered list of courses	If there are any offered courses for this department and this year.	s/w displays the requested course list	
		If courses are not available for his year or department	s/w displays the message "no course available"	
2	The student selects the IC/PC/OE/PE course	If the course type is selected	s/w displays the defined course	
		If no course type is selected	s/w Displays message "Select one of the options"	
3	The student chooses a course from the available options	If at least one course selected	s/w displays the chosen course	
		No course selected	s/w Displays message "no course is selected."	
4	Verification of student grade eligibility(D/F/I)	If a student has D/F/I in the selected course	s/w displays 'Save' button to save entered details	
		If no D/F/I grade found in the opted course	Error message "Please select valid courses in which you received D/F/I grade"	
5.	s/w asks for confirmation by clicking on 'Save' button	If at least one course selected	s/w displays "Details updated" (Data gets stored in the database)	
		If no course selected	Displays "Please select at least one course" error message	

6	Student modifies details	Within time session and when not submitted	Info is updated in the database and repeat step 5.	
		If locked	Error message “cannot make changes” and Rollback to dashboard	
7	The student selects to drop the course	If within time session	The respective course from his details is deleted and the database is updated.	
		Time session over	Error message “not allowed” and Rollback to dashboard	
8	Student locks the details	Locked successfully	s/w asks for fee payment	
		Not locked	Homepage (dashboard)	

## 2) Test case for Course registration:

S.No	Input	Condition	Expected Output	Actual Output
HOD creates course list				
1	Select IC/PC/OE/PE	At least one option selected (valid)	Software proceeds to the web page of chosen option	
		None selected (invalid)	The software displays “Please select an option” error message	
2	Select batch (after selecting IC or PC there would be an option for selecting the batch)	None selected (invalid)	“Please select one of the batches displayed” displayed	
		At least one (valid)	The software displays the list of courses	

3	Select a course from the drop-down menu (after selecting the batch, the software would display the list of corresponding IC or PC courses for that batch)	At least one selected (valid)	The software displays the selected course in the column.	
		None selected (invalid)	The software displays "Please select an option" error message	
4	Select faculty for IC/PC course (after selecting a core course, select one/two faculty to teach that course)	At least one selected (valid)	The software displays the name of the selected faculty.	
		No faculty selected (invalid)	Displays error message "Please select at least one faculty"	
5	Select faculty for IC/PC course (after selecting a core course, select one/two faculty to teach that course)	At most two selected (valid)	The software displays the name of the faculty selected.	
		More than 2 selected (invalid)	Displays error message "Please select at most two faculties"	
6	Click on "upload the CIF" button	CIF for the selected IC/PC course are uploaded (valid)	Displays the link for the uploaded CIF	
		CIF for the selected IC/PC course are not uploaded (invalid)	The software displays "Please upload the CIF" error message	
7	Enter the name of OE or PE course	Text box is filled (valid)	The software displays the entered course name.	
		Text box left empty (invalid)	Displays error message "Please enter the name of	

			the course” error	
8	Select faculty for OE/PE course (after entering the name of an elective course, select one/two faculty to teach that course)	At least one selected (valid)	The software displays the name of the selected faculty.	
		No faculty selected (invalid)	Displays error message “Please select at least one faculty”	
9	Select faculty for OE/PE course (after entering the name of an elective course, select one/two faculty to teach that course)	At most two selected (valid)	The software displays the name of the faculty selected.	
		More than 2 selected (invalid)	Displays error message “Please select at most two faculties”	
10	Click on “Upload CIF” button (A pop-up window will display the list of CIFs for all OE/PE courses that have been offered in past)	CIF is uploaded (valid)	Displays the link for the selected CIF from the pop-up window	
		CIF is not uploaded (invalid)	Display “Please upload the CIF” error message	
11	Click on “Save” button (This saves the entered data and can still be modified)	All the fields for each course are filled. (valid)	Updates the changes made in the data store and user can proceed to submit..	
		Any field for any course left empty (invalid)	Displays “Please check if all the fields are correctly filled” error message	
12	Click on “Submit” button	At least one elective (OE and PE) is in the course list of the batch (valid)	Check for core (13)	

		No elective course is in course list of the batch	Display "Please select at least one elective"	
13	Click on "Submit" button	At least one core (IC and PC) is in the course list of the batch (valid)	The software submits the final list and updates it in the data store which can be viewed by DOAA, HOD, and Faculties (only those teaching the course).	
		No core course id is course list of the batch	Display "Please select at least one core"	
DOAA validates course list of each department				
14	Select a department from the drop down	At least one department is selected (valid)	The software displays the drop down for selecting core or elective.	
		None of the options selected (invalid)	Displays "Select atleast one department" error message	
15	Select IC/PC/OE/PE from the drop down	At least one option is selected (valid)	Software displays the drop down for selecting batch (if IC/PC selected). Software displays a list of checkboxes of OE/PE courses (if OE/PE selected)	
		None selected (invalid)	Displays "Select at least one option" error message	
16	Select batch (after selecting IC/PC)	None selected (invalid)	"Please select one of the batches displayed" displayed	
		At least one (valid)	The software displays the list of courses	
17	Click on "Save" button	At least one core (IC and PC) is in the course list from the checkbox (valid)	Software updates the changes made in the data store and the user can proceed to 'Submit'.	
		No core (IC and PC) course selected from checkboxes (invalid)	Displays "Select atleast one core course" error message	

18	Click on "Save" button	At least one elective (OE and PE) is in the course list from the checkbox (valid)	The software allows DOAA to click on 'Submit' button	
		No elective is selected from checkboxes (invalid)	Displays "Please select at least one elective"	



