

REQUIREMENT TRACEABILITY METRIX

"TEAM - 3"

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1 Purpose of Traceability Metrix :

Requirement traceability matrix is a matrix that shows relationship between the requirements and the test cases means that which requirement is implemented by which test case. There can be one or more test cases for a single requirement and which test case tests it, shows many to many relationship between requirements and the test cases.

It is very useful for review purpose at the coding & testing time .

In absence of the RTM we have to test all the test cases again and again.

2 Requirments :

Requirement ID	Requirements
R01	Login
R02	Change Password
R03	View/Change account details
R04	Faculty record
R05	Student Registration
R06	Student record
R07	Result
R08	Room Allotment
R09	Time-Table
R10	Course Material Upload
R11	Exam Management
R12	Course Evaluation
R13	Request for Certificate
R14	Resource Distribution
R15	Bus-Schedule
R16	Alert System for Faculty and Taxi Driver

3 Test Cases

Test case ID	Test Cases
TC01	Validation
TC02	Data Redundancy
TC03	Session Test
TC04	Output Validation Test
TC05	Accessibility Test
TC06	Notification Generation Test

4 Traceability Metrix :

Requirements ——>	R01	R02	R03	R04	R05	R06	R07	R08
Test Cases								
TC01	X		X	X	X	X	X	
TC02		X		X	X	X	X	X
TC03	X							
TC04								
TC05					X	X	X	
TC06	X		X				X	

Requirements ——>	R09	R10	R11	R12	R13	R14	R15	R16	Total
Test Cases									
TC01					X				7
TC02			X	X	X	X	X	X	12
TC03									1
TC04		X		X	X				3
TC05									3
TC06	X	X		X	X		X	X	9