

TIG		TIG/CSE/UD/RQMT_MATX_TEMPL v1.6	
Instructions For Completing This Document			
0)	Please use latest circulated version for populating your data.		
1)	Please do not merge cells. Each row represents a distinct requirement. No cell should be left as blank.		
2)	For each requirement item under your project, complete the following:		
	Rqmt ID: A unique ID number used to identify the specific requirement item. This should preferably contain the requirement area short code as the prefix.		
	Requirement Item: This column should be populated with a description of the functional requirement. It can also state the non-functional requirements, e.g. performamnce, portability. Security etc.		
	Requirement Status: This column should be populated with the current status of the functional requirement: <ul style="list-style-type: none"> - Open (analysis not started), - In-progress (ongoing analysis), - Cancelled (cancelled after analysis and will not be required in design onwards phases), - Completed (analysis completed and selected for design onwards phases). <p>For a header requirement item (e.g. Verify user credentials), status should be open if all underlying requirement items (e.g. Validate encrypted password) are in open status else in-progress. All all underlying items are completed / cancelled, then header requirement can be safely marked as completed.</p>		
	Design Module: This column should be populated with the short code of design module.		
	Design Reference: Use subsections, e.g. 5.3.1, 5.3.2 etc. as appropriate. Use comma separation in case of multiple design modules / section references for a single requirement item.		
	Test Case Number: This column should be populated with the test case number linked to the functional requirement. Use comma separation in case of multiple test cases for a single requirement item.		
	Technical Platform of Implementation: This column should be populated with the appropriate hardware / software platform, tools etc.		
	Prototype Prepared?: This column should be populated with Yes / No value, and should be demonstrated if the response is Yes.		
	Name of Program / Component: This column should be populated with the appropriate name of programme / components.		
	Test Result Reference: This column should be populated with the name of the file with test results / output after tests followed from Test Plan.		
	Additional Comments: This column should be populated with any additional comments (optional).		
3)	Columns A-C should be filled before Internal Assessment (7th Semester Checkpoint Review) showing the completion of Analysis phase. All other columns should be emptied.		
4)	Columns A-H should be completed before 7th Semester closure showing the completion of Design phase. All other columns should be emptied.		
5)	Column I-K should be filled in 8th Semester showing the completion of Coding & Testing phases. All columns are now filled.		

Rqmt ID	Requirement Item	Requirement Analysis Status	Design Module (As per Prototype folder structure)	Design Reference (section# under project Report)	Test Case Number (As per Prototype folder structure)	Technical Platform of Implementation	Prototype prepared ?	Name of Program / Component	Own code or Reusable component (with source reference)?	Test Results Reference	Additional Comments (if not included in previous columns)
FR-001	Collect social media data from Reddit.	Completed	D01	8.2.1	D04T04	PYTHON, COLAB	Yes	Data Collection.ipynb	Own code	Data Collection.ipynb	
FR-002	Implement data cleaning and preprocessing.	Completed	D02	8.2.2	D04T04	PYTHON, COLAB	Yes	Data Preprocessing.ipynb	Own code	Data Preprocessing.ipynb	
FR-003	Train machine learning and deep learning models.	Completed	D03	8.2.3 - 8.2.10	D05DP01	PYTHON, COLAB	Yes	WebAppV7.ipynb	Own code	WebAppV7.ipynb	
FR-004	Evaluate models using performance metrics (accuracy, recall, F1 Score, Support).	Completed	D03	9.2 - 9.9	D04T02, D04T03	PYTHON, COLAB	Yes	[Algorithm_name.ipynb]	Own code	[Algorithm_name].ipynb	Includes files under D03 Model Training and Evaluation subfolder under Prototype folder
NFR-001	Testing different features of the web application	Completed	D04	APPENDIX A - PROTOTYPE	D05DP02	PYTHON, STREAMLIT	Yes	WebAppV7.ipynb, WebAppV8.ipynb, WebAppV9.ipynb, WebAppV10.ipynb	Own code	WebAppV7.ipynb, WebAppV8.ipynb, WebAppV9.ipynb, WebAppV10.ipynb	
NFR-002	Final Web Application Deployment	Completed	D05	APPENDIX A - PROTOTYPE	D05DP03	PYTHON, STREAMLIT	Yes	WebAppV11.ipynb	Own code	WebAppV11.ipynb	

