

6.2 Test Case Details

Test case ID	Test case Name	Testing steps:	Expected Output	Actual Output	Result
01	To check if software works or not.	i. Double click on MatLab icon.	Opens the window.	Opens the window.	Pass
02	Set current directory.	i. Go to open ii. Double Click iii. Write pwd	Shows current directory	It lists current directory	Pass
03	To check run works or not	i. Click on run button	It executes	It runs	Pass
04	Check for GUI	i. Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program	GUI appears	GUI appears	Pass

05	To check if Segmentation works or not	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. From GUI select Segmentation	Another GUI should appear	GUI appears	Pass
06	To check if Browse Icon works	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. Click Browse Icon	On clicking the Browse Icon, select image option comes	Select image pop up window appears	Pass
07	To check if Convert RGB2Gray works	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. Click Rgb2Gray Icon	The output image appears.	The GrayScale image appears	Pass
08	To check if Threshold works	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program	It should display threshold calculated image	It displays threshold calculate image	Pass

		v. Click Threshold Icon.			
09	To check if Canny Edge Detection works	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. Click Canny Edge Icon	It should display Canny Edge image	It displays Canny Edge image	Pass
10	To check removal of unwanted image	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. Click Removal of Unwanted Objects Icon	It should display image after removal of unwanted objects	It displays image after removal of unwanted objects	Pass
11	To check if Feature Extraction	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. Click Feature Extraction Icon	It should show image after extracting feature	It shows image after extraction	Pass

12	To check if Training works	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. Click Training Icon	It should show efficiency of training samples	It shows efficiency of training samples	Pass
13	To check if Testing works or not	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. Click Testing Icon	It should ask for sample image and will display the detected characters	It displays the detected character from the input image	Pass
14	To check if OCR works	i.Click open the MatLab ii. Load iii. Set to current working directory iv. Run the program v. Click OCR Icon	It should ask for input image and will redirect the characters detected into notepad	It redirects the detected character into notepad from the input image	Pass