Test case ID	Feature Type	Compone	Test Scenario			
LoginPage_TC_ OO1	Functional	Home Page	Verify user is able to see the homepage			
LoginPage_TC_ OO2	UI	Home Page	Verify the UI elements in homepage			
LoginPage_TC_ OO3	UI	Home page	Verify whether reference paging is working			
LoginPage_TC_ OO4	Functional	Home Page	Verify Camera access			
LoginPage_TC_ OO4	Functional	Home Page	Gesture detection			
LoginPage_TC_ OO5	Functional	Home page	Output prediction			

Date	24-Nov-22			
Team ID	PTN2022TMID30422			
Project Name	Real time communication system powered by Al for specially abled			
Maximum Marks	4 marks			
Pre-Requisite	Steps To Execute			
Mozilla Firefox Browser	Enter URL in browser and click go			
Mozilla Firefox Browser	1.Enter URL and click go 2.Verify homepage with given UI elements -Reference, camera access display, Introduction to project			
Mozilla Firefox Browser	1.Enter URL(http://127.0.0.1:5000) and dick go 2.Click on reference button			
Mozilla Firefox	1.Enter URL(http://127.0.0.1:5000) and dick go			
Browser,Web-Camera	2 Click allow camera access			
Mozilla Firefox,CNN	1.Enter URL(http://127.0.0.1:5000) and dick go 2.Click camera access 3.I mage displayed 4.Detection of gesture occurs			
CNN trained model	1.Enter URL(http://127.0.0.1:5000) and dick go 2.Click camera access 3.I mage displayed 4.Detection of gesture occurs 5.Output prediction			

Test Data	Expected Result	Actual Result	Statu s	Comments
http://127.0.0.1:5000	Homepage should be displayed	Working as expected	Pass	Steps are clear to follow
http://127.0.0.1:5000	Application should show below UI elements: a.Reference b.camera access display c.Introduction to project	Working as expected	Pass	Steps are clear to follow
http://127.0.0.1:5000	User should navigate to reference page where asl_alphabet image is displayed	working as expected	Pass	Steps are clear to follow
Allow camera access	Camera access is allowed and image is displayed	working as expected	Pass	Steps are clear to follow
Detection of gestures	Hand gestures needs to be detected and predicted	working as expected	Pass	Steps are clear to follow
Predicted gestures	Hand gestures are detected and predicted ASL_alphabets are displayed	working as expected	Pass	Predicted output is displayed

TC for Automation(Y/N)	HARDWARE CHANGE	SOFTWARE CHANE		
NO	NA	LOW		
NO	NA	MODERATE		
Yes	NA	MODRATE		
Yes	NA	MODRATE		
Yes	NA	MODRATE		
Yes	NA	MODRATE		

Test Scenarios

- 1 Verify user is able to see the homepage
- 2 Verify the UI elements in homepage
- 3 Verify whether reference page is working
- 4 Verify Camera access
- 5 Gesture detection
- 6 Output prediction

Search

- 1 Verify user is able to know the ASL_alphabets gesture using reference in homepage
- 2 Verify user is able to see predicted alphabet for their gestures