

				Date	18-Nov-22								
				Team ID	PNT2022TMD28615								
				Project Name	Gas leakage monitoring and alert								
				Maximum Marks	4 marks								
Test case ID	Feature Type	Component	Test Scenario	Pre-Requisite	Steps To Execute	Test Data	Expected Result	Actual Result	Status	Comments	TC for Automation(Y/N)	BUG ID	Executed By
LCD_DISPLAY_TC_001	LCD DISPLAY 16*2	DISPLAY THE IMAGE	Verify user is able to see the lcd display	safe home	1.Enter URL and click go 2.Then you can see the LCD display & start the simulation		The lcd display should be on	Working as expected	Pass	NA	N	NA	SAKTHIVELS NAVEEN.N SARANRAJ.P SIVARAMAN.E
ARDUINOR3_TC_002	14 DIGITAL INPUT/OUTPUTS PINS	INPUT/OUTPUT	Verify user is able to give the input/output	get input/output from the user	1. The arduino3 board is the important board because using this board only we can be able to run the code		Application should show below ARDUINOR3 elements: a. user able to do coding in it b. The board will helps the user to give input and output	Working as expected	pass	NA	N	NA	SAKTHIVELS NAVEEN.N SARANRAJ.P SIVARAMAN.E
BREAD_BOARD_TC_003	BUILDING TEMPORARY CIRCUITS	CURRENT	Verify user is able give the inter connect the wire with lcd and arduino3 board	This bread board connect the components	1. The bread board is used to connect the lcd display , arduinoR3,buzzer, gas sensor		The bread board will have the bond between components and this bread board will give the current	Working as expected	Pass	NA	N	NA	SAKTHIVELS NAVEEN.N SARANRAJ.P SIVARAMAN.E
BUZZER_TC_004	BUZZER CIRCUITS	EXTERNAL VOLTAGE	Verify user is able to hear the alarm sound		1. The buzzer will helps to user hear the alarm sound 2. without buzzer we cannot hear the sound		This Buzzer will helps the user to hear the alarm sound and when the alarm sound hearded user can run for way from the company	Working as expected	Pass	NA	N	NA	SAKTHIVELS NAVEEN.N SARANRAJ.P SIVARAMAN.E
GAS_SENSOR_TC_004	GAS LEAK DETECTOR	CIRCUITS	Verify gas sensor is able to detect the gas	Its will detect the gas	1. First we have to click the gas sensor 2. Then it will produces the gas 3. we can drag the gas the user have to move the gas to gas sensor 4. then the buzzer will detect the alarm	2	The gas sensor will is used to detect the gas and then if the gas is leaked buzzer will blow the alarm louder	Working as expected	Pass	NA	N	NA	SAKTHIVELS NAVEEN.N SARANRAJ.P SIVARAMAN.E
LCD GAS SENSOR_TC_005	TO DISPLAY THE RESULT	LCD16*2	Verify user is able to check the display	alert	1.If the gas is leaked then the gas sensor will detect the gas 2.Buzzer will blow the alarm sound 3.Then the LCD display will show the alert 4.Using this kind of devices we can be able to detect the gas leakage		The gas sensor will is used to detect the gas and then if the gas is leaked buzzer will blow the alarm louder and it will also show the lcd display as alert	Working as expected	Pass	NA	N	NA	SAKTHIVELS NAVEEN.N SARANRAJ.P SIVARAMAN.E