



Uka Tarsadia University
Asha M. Tarsadia Institute of Computer
Science and Technology

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Sr. No.	Practical	Submission Date	Sign
1.	To implement a program for blinking an LED with a specified delay using Arduino.		
2.	To control an RGB LED using Arduino and generate different colors.		
3.	To simulate a traffic signal system using LEDs and Arduino.		
4.	To measure and display temperature using a temperature sensor with Arduino.		
5.	To interface a 16x2 LCD with Arduino and display temperature readings.		
6.	To measure distance using an ultrasonic sensor and display the result.		
7.	To detect obstacles using an ultrasonic sensor and indicate the presence of objects.		
8.	To send temperature sensor data to the ThingSpeak cloud using Arduino and NodeMCU.		
9.	To measure and display light intensity, humidity, and temperature using respective sensors.		
10.	To store real-time sensor data in Firebase using Arduino and NodeMCU. (Optional)		