

Student Name: - Priti Dnyandev Pardhi

College Name: - Pravara Rural Engineering College, Loni

Project Name: - Automatic Fire Extinguisher Using IR Module

Component Name	Quantity	Purpose
IR LED	1	obstacle detection
IR Receiver	1	Receives IR signals
10 k Ω Resistor	1	Limits current in circuits
Battery (3.7V)	1	Powers the entire system
TP4056 Charger Module	1	Safely charges 3.7V battery
Switch	1	Controls power to the circuit
1 k Ω Resistor	1	Current limiting
BC547 Transistor	1	Amplifier in circuits
220 Ω Resistor	1	Current limiting
Red LED	1	Visual indicator
Water Pump (3V)	1	Pumps water to extinguish fire