

Component	Function	Estimated Cost (INR)	Microcontroller
Temperature Sensor (e.g., DHT11)	Measures ambient temperature	100	Arduino Uno
Humidity Sensor (e.g., DHT11)	Measures ambient humidity	100	Arduino Uno
Light Sensor (e.g., LDR)	Measures ambient light intensity	50	Arduino Uno
Air Quality Sensor (e.g., MQ-135)	Measures air pollution levels (e.g., VOCs)	200	Arduino Uno
Sound Sensor (e.g., microphone)	Measures ambient noise levels	100	Arduino Uno
Soil Moisture Sensor	Measures soil moisture content	150	Arduino Uno
Microcontroller (Arduino Uno)	Controls the system, processes sensor data, and communicates with external devices	500	-
Power Supply (5V, 2A)	Provides power to the system	200	-
Communication Module (e.g., Wi-Fi or Bluetooth)	Enables wireless communication with a network or other devices	300	Arduino Uno
Display (e.g., LCD or OLED)	Displays sensor data and system status	200	Arduino Uno