

Team ID	PTN2022TMID13299
Project Name	Gas Leakage Monitoring and Alerting System

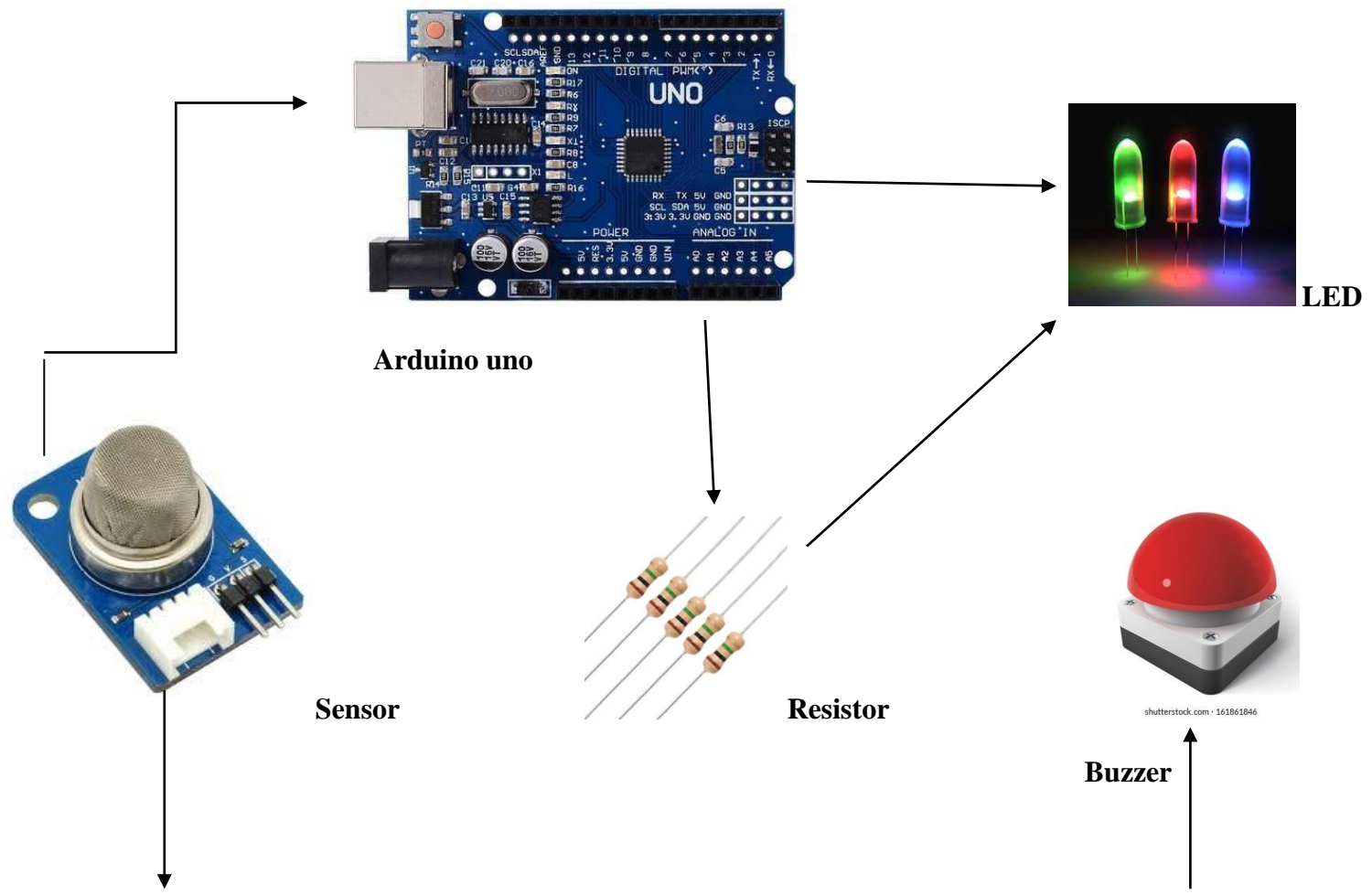


Table 1:Components and Technologies

S.No	Component	Description	Technology
1.	MQ-5 gas sensor	Used to detect toxic or explosive gasses and measures gas concentration	Detecting, humidity
2.	Arduino uno	Open source electronics platform based on easy to use hardware and software	Integrated Development Environment(IDE)
3.	Python code	Computer programming language often used to build websites and software	Multi-paradigm programming language
4.	LED	Two lead semiconductor light source	Pin-junction diode, which emits light when activated
5.	Buzzer	It is an audio signalling device	Timers and confirmation of user input such as a mouse

Table 2:Application Characteristics

S.No	Characteristics	Description	Technology
1.	Security Implementation	The communication between the Ardunio and the GLDS should secure by encryption	Continous monitor your external attack surface
2.	Scalable Architecture	The system interface should be easy and effective	Technology used
3.	Availability	The system should work for 24 hours 7 days a week	Technology used
4.	Performance	The system should response immediately to any leakage situation.The gas detector should be from anywhere anytime.	Technology used