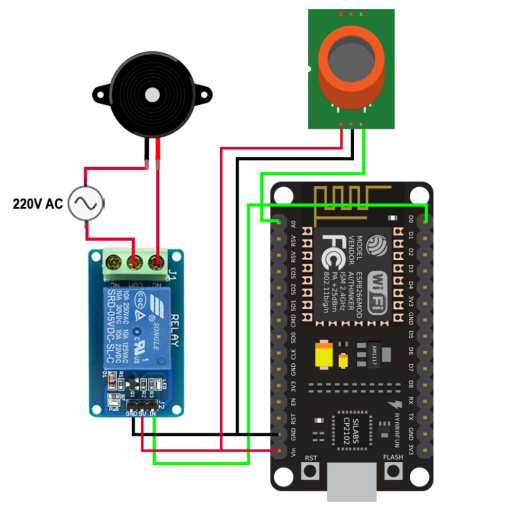


Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	19 September 2022
Team ID	PNT2022TMID14029
Project Name	Gas Leakage monitoring & Alerting system
Project TEAM members	19cs096-Narenthra Kishore R S 19cs119-Priyanka R 19cs091-Monika M 19cs081-MahaLakshmi

TECHNICAL ARCHITECTURE:



FUNCTIONAL DECOMPOSITION:

S.NO.	COMPONENTS	NAME	DESCRIPTION FUNCTION
1	Node Mcu	ESP8266 wifi + bluetooth board	Microcontroller for data processing
2	Gas sensor	MQ-135/MQ7/MQ6/MQ5/MQ2	Detects the Gas Leakage
3	nodeMcu power supply	5V DC Adapter	Supplies power to nodemcu
4	Connecting wires	Jumper wires	Used to Connect Components
5	LED	Light bulb	Blinks Red when Leakage is Detected Blinks Green when there is no Leakage
6	Buzzer	Sound emitter	Gives Buzzing Sound

7	breadboard	-	Used to connect the components
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Software Requirements

- Arduino ide
- IFTTT
- C or C++
- Email