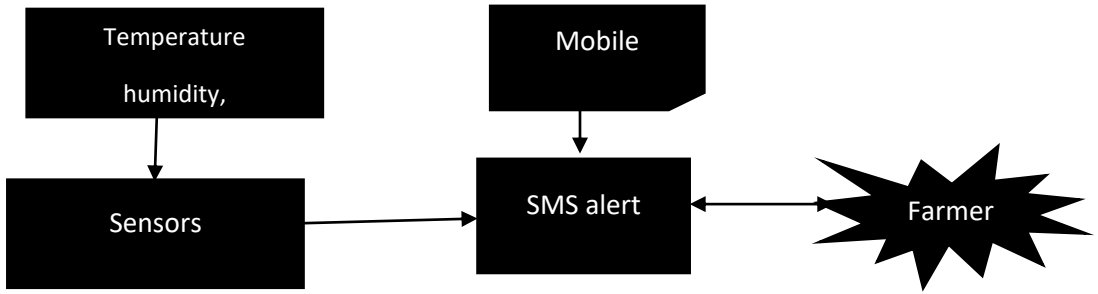
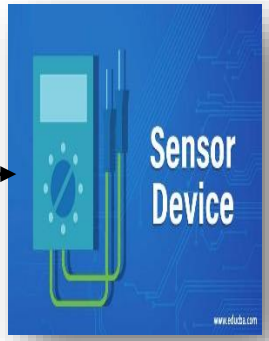
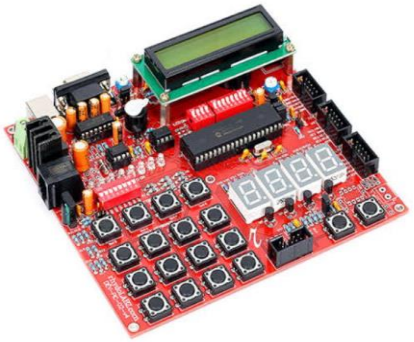
Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	29 October 2022
Team ID	**PNT2022TMID54503**
Project Name	Project – Smart Farmer-IoT enabled farming application
Maximum Marks	4 Marks

Technical Architecture:







FARMING LAND **SENSORS** **ARDUINO** **EMBEDDED C**

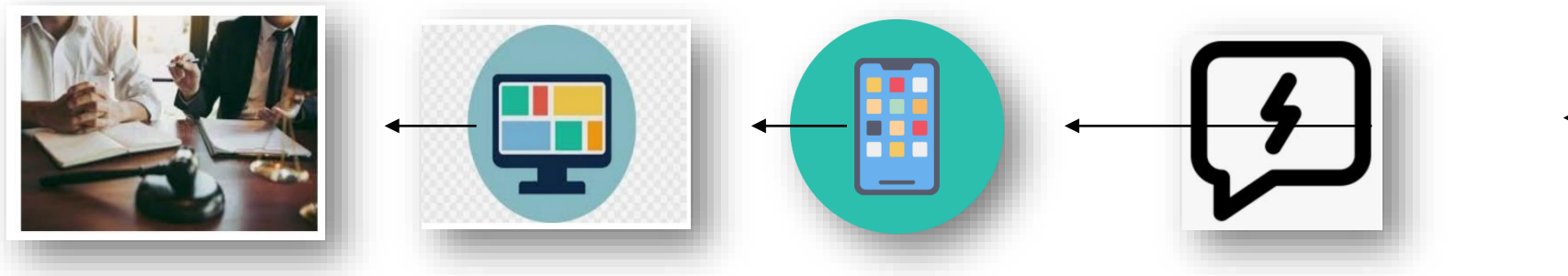


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	Received data from sensors	The information gathered from the sensor units installed along rivers	ESP32 wifi module
2.	Web interface	The gathered information was presented visually	HTML,CSS, javascript
3.	Database	Datatype	MySQL
4.	Data Storage	Storage needs for files	IBM Block storage

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	PH level monitoring	By kept sensors on the farming land it will detect the pH of land	PH-sensor
2.	Temperature monitoring	It will detect the atmosphere temperature	Temperature sensor
3.	Irrigation monitoring	Water level detecting	DTH11 Sensor