Project Design Phase-II
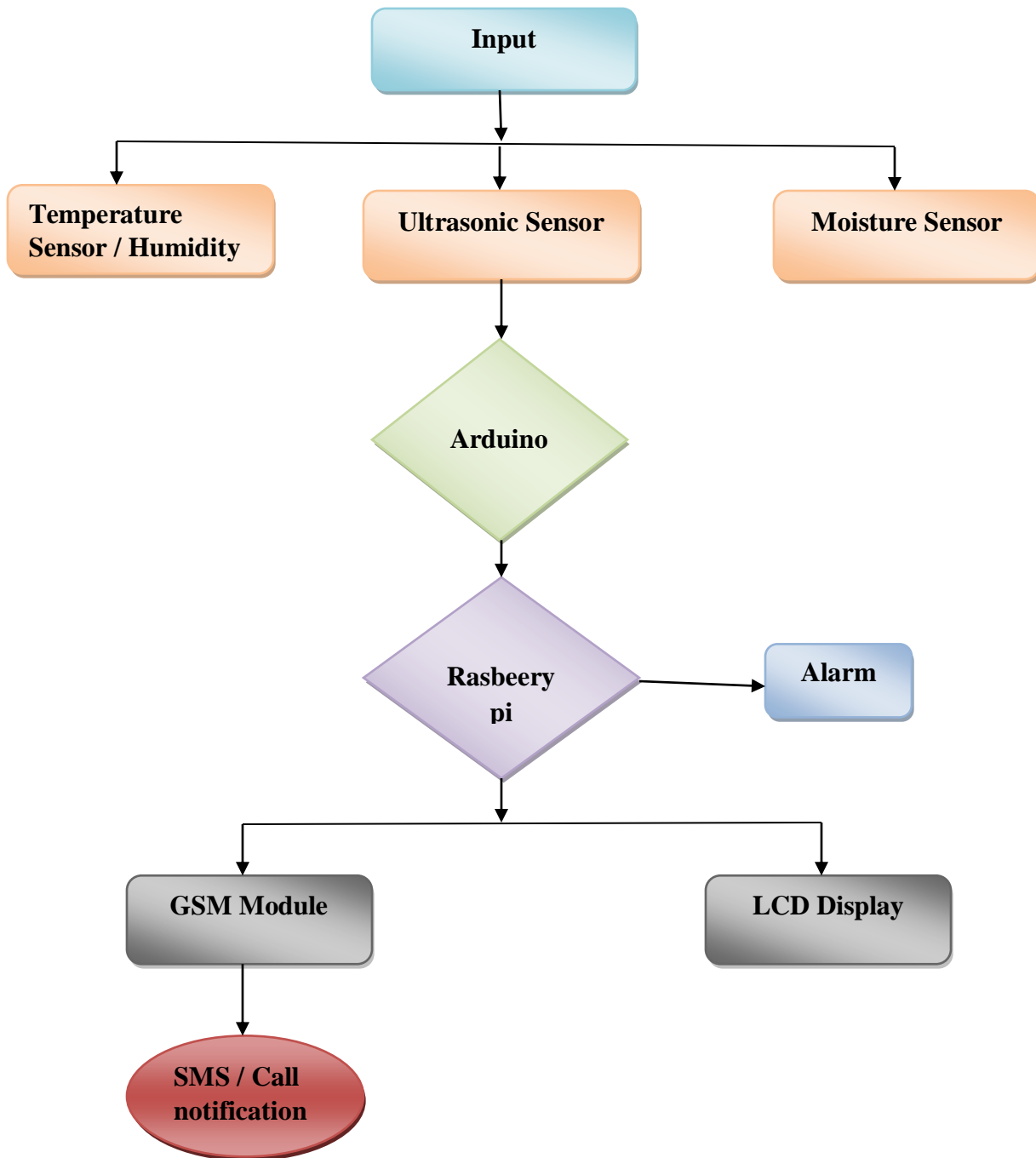
Data Flow Diagram &User Stories

IoT Based Smart Crop Protection System For Agriculture

Data Flow Diagrams:

```
                         ┌──────────────┐
                         │    Input     │
                         └──────────────┘
                                │
        ┌───────────────────────┼───────────────────────┐
        ▼                       ▼                       ▼
┌────────────────┐     ┌────────────────┐     ┌────────────────┐
│ Temperature    │     │Ultrasonic Sensor│    │ Moisture Sensor│
│ Sensor/Humidity│     └────────────────┘     └────────────────┘
└────────────────┘             │
                               ▼
                          ╱ Arduino ╲
                               │
                               ▼
                    ╱ Rasbeery pi ╲ ──────────▶ ┌─────────┐
                               │                │  Alarm  │
        ┌──────────────────────┴──────────┐     └─────────┘
        ▼                                 ▼
┌────────────────┐              ┌────────────────┐
│  GSM Module    │              │  LCD Display   │
└────────────────┘              └────────────────┘
        │
        ▼
   ( SMS / Call
     notification )
```

User stories :

Use the below template to list all user stories for the product

User type	Functional requirement	User story	User story/Task	Acceptance criteria	Priority	Release
1.Customer (Mobile user, Web user) 2.Customer Care 3.Executive Administrator	Registration	USN-1	User can register for the application through e mail, password and confirming my password	Access account /dashboard	High	Sprint-1
		USN-2	User will receive a confirmation email once , registered for the application	User receive a confirmation email & click confirm	High	Sprint-1
		USN-3	User can register for the application through Facebook	User can register &access the dashboard with login	Low	Sprint -2
		USN-4	User can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	User can log into the application by entering email & password		High	Sprint-1