Block Diagram Describing Components Detail

Bucket Wheel	→	Shaft	→	Rpm Ckt	→	Signal Conditioning

Depth Sensor Ultrasonic	→	Signal Conditioning

Controller

Temperature measurements	→	Signal Conditioning

Weather Station	→	Signal Conditioning

LCD DISPLAY

```
┌─────────────┐   ┌─────────────┐   ┌─────────────┐
│   Bucket    │   │    Depth    │   │     GSM     │
│    Wheel    │   │    Sensor   │   │    Module   │
└──────┬──────┘   └──────┬──────┘   └──────┬──────┘
       │                 │                 │
       ▼                 │                 │
┌─────────────┐          │                 │
│    Shaft    │          │                 │
└──────┬──────┘          │                 │
       │                 │                 │
       ▼                 │                 │
┌─────────────┐          │                 │
│     Rpm     │          │                 │
│   Sensor    │          │                 │
└──────┬──────┘          │                 │
       │                 ▼                 ▼
┌──────┴─────────────────────────────────────────┐
│            Signal Conditioning                  │
└───────────────────────┬─────────────────────────┘
                        ▼
                ┌─────────────┐
                │  Controller │
                └──────┬──────┘
                       ▼
                ┌─────────────┐
                │     LCD     │
                │   Display   │
                └─────────────┘
```
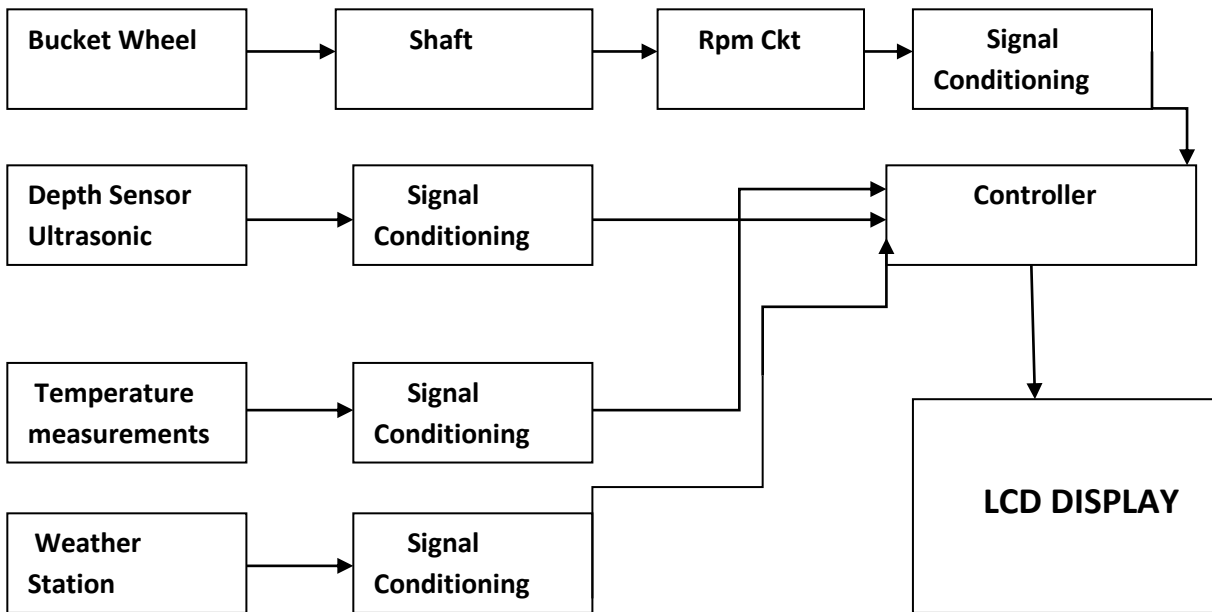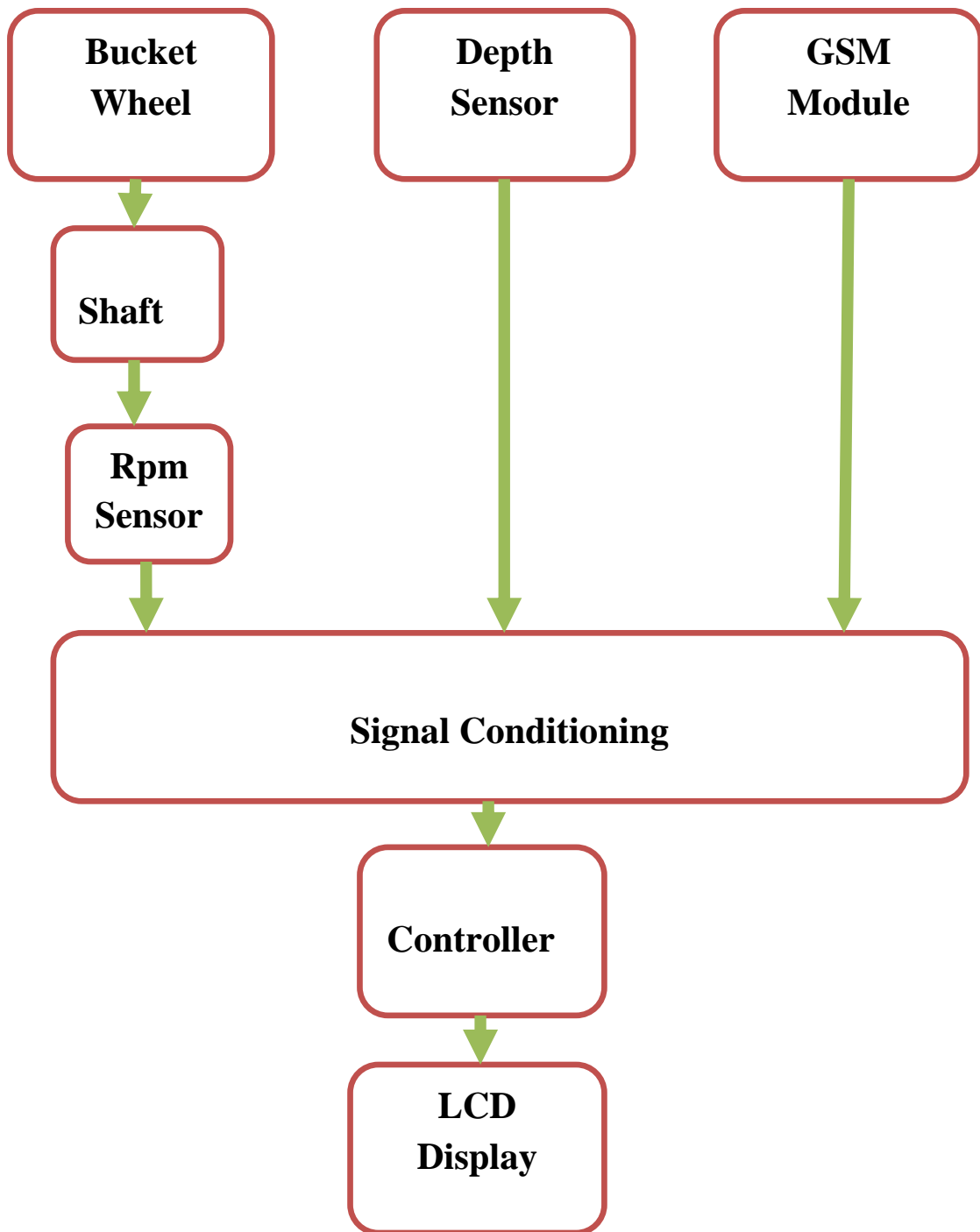
Temperature Sensor

Controller (Arduino)

LCD Display