



AUTOMATIC WATER TANK MONITORING SYSTEM FOR RESIDENTIAL BUILDINGS

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OBJECTIVE

Wireless monitoring



Affordability

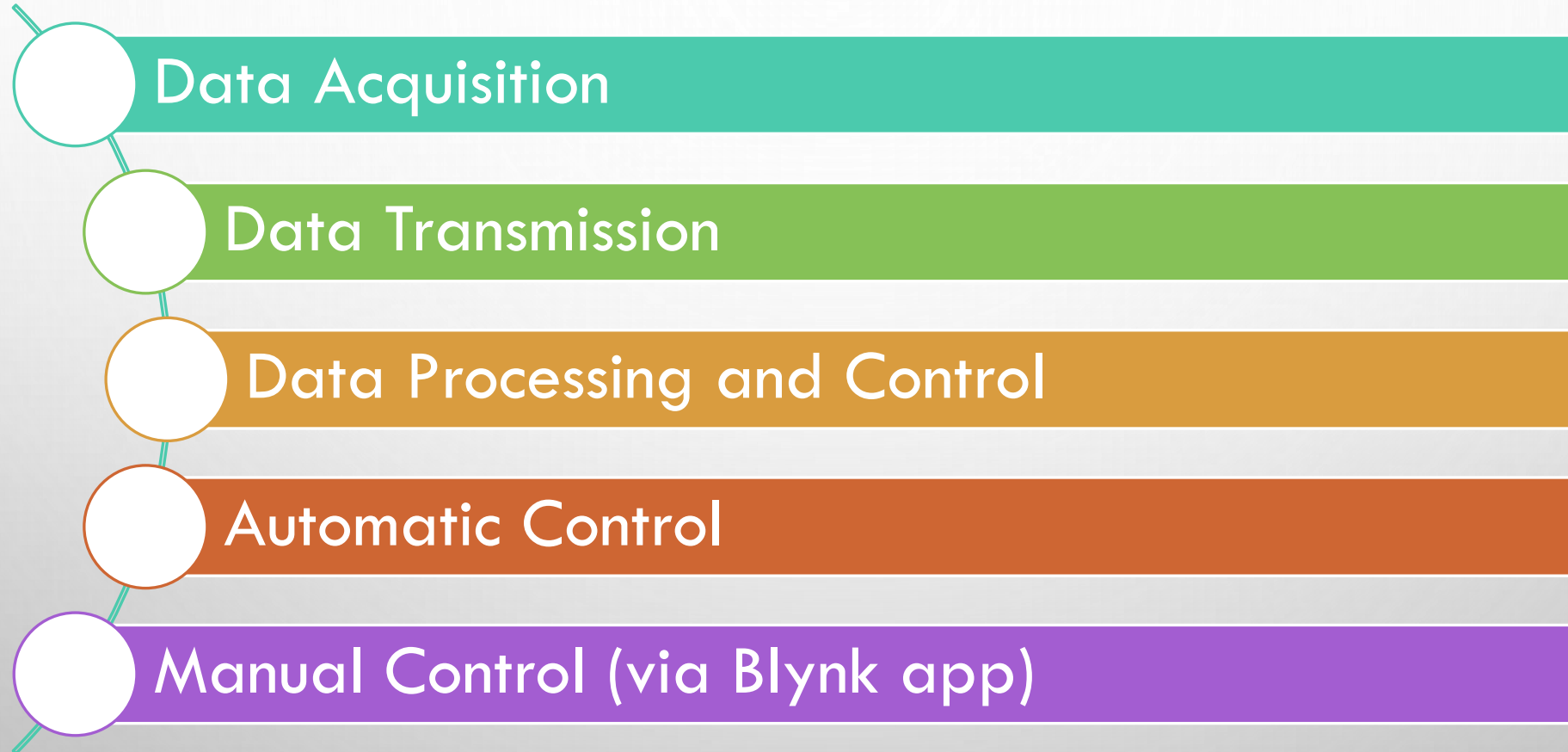


Manual and automatic control



Remote control

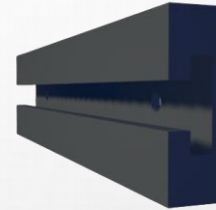
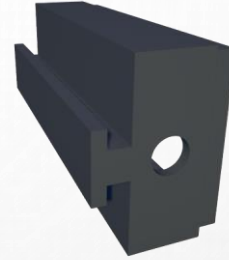
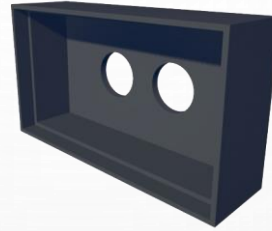
METHOD



COMPONENTS



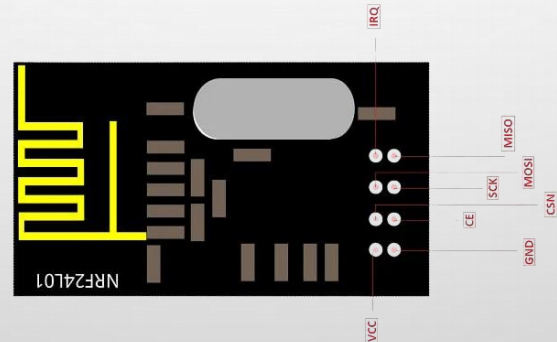
ESP 32



3D printed box



Sonar

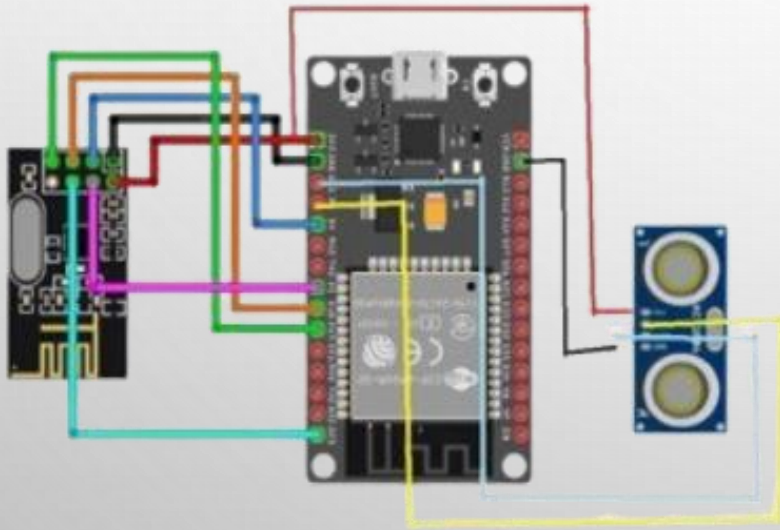


NRF module

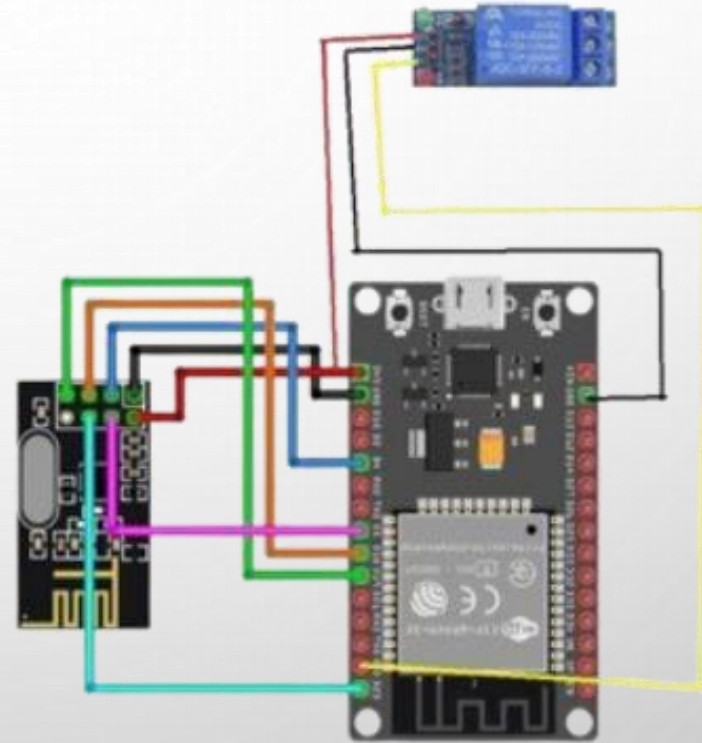


Relay

CIRCUIT DIAGRAM

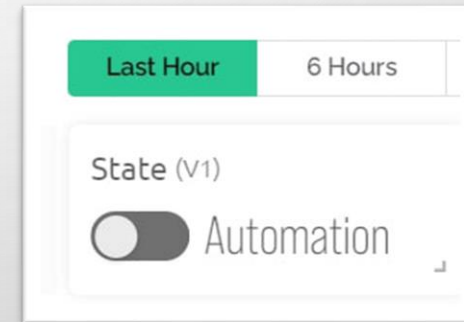
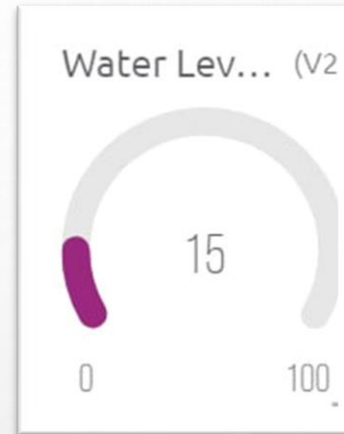
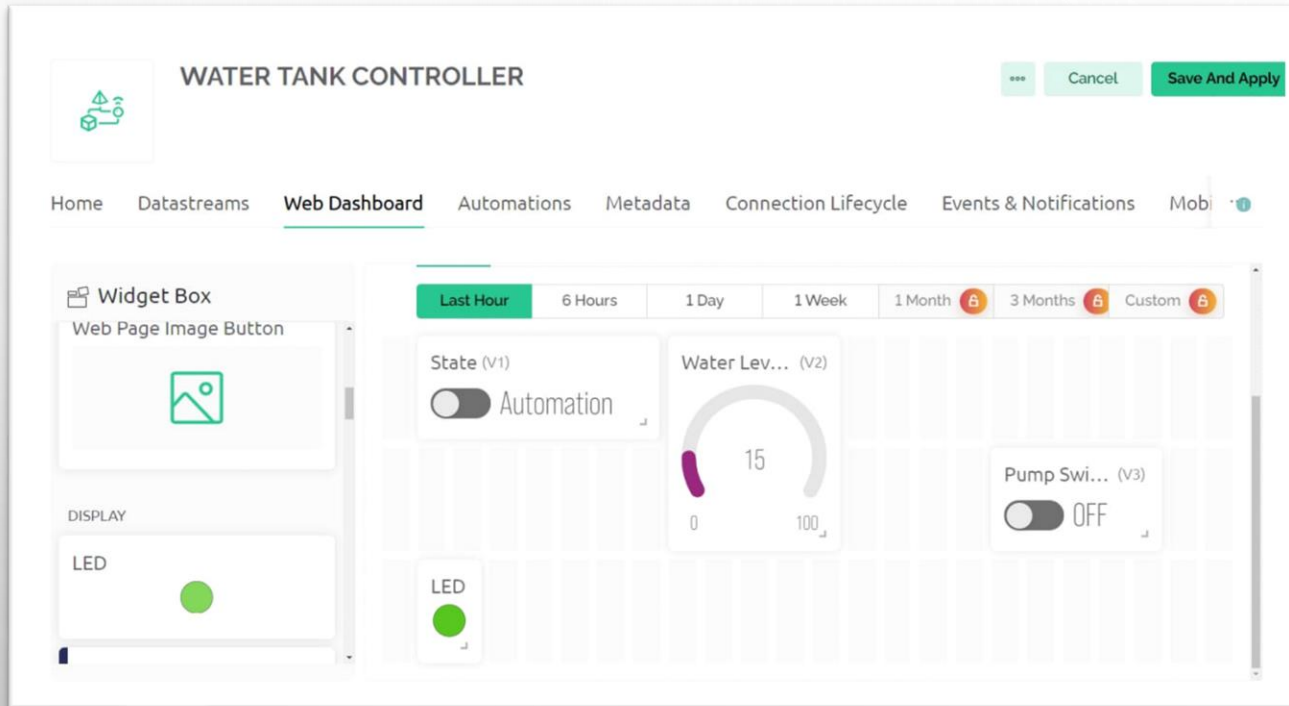


Transmitter Circuit

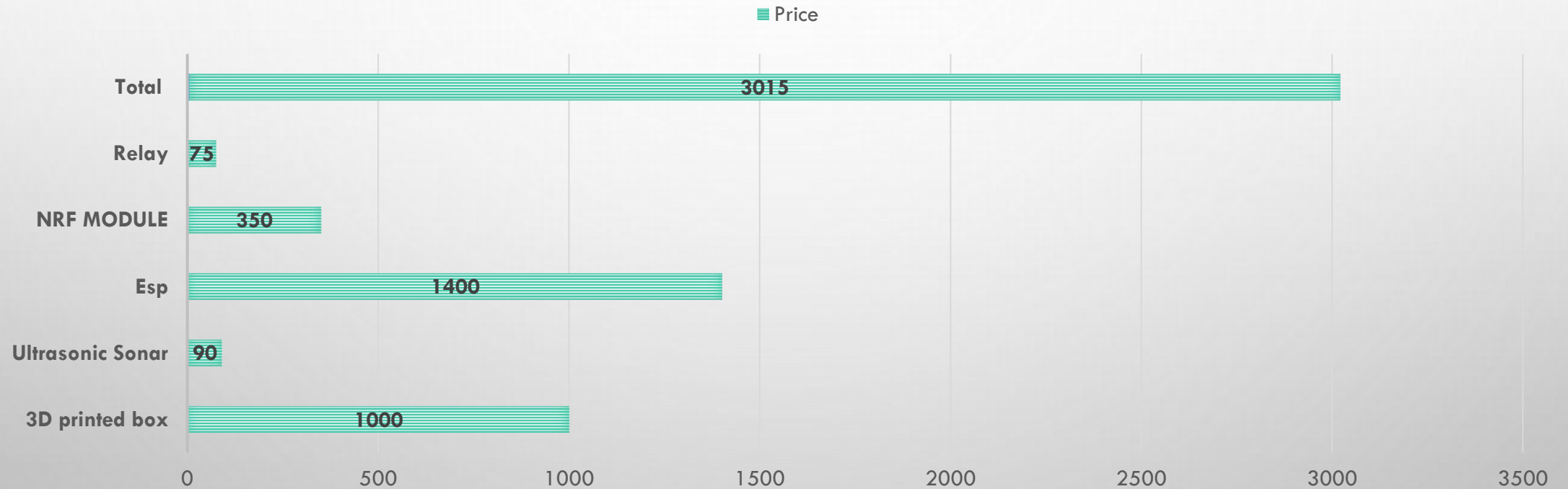


Receiver Circuit

BLYNK APP UI



COST ANALYSIS



COST COMPARISON

Cost of our prototype
BDT 3015

Can be Scaled down to
BDT 1500



Wall Mount WiFi LCD Starter Pack

Price: 82000 BDT



Dome Automatic Shut-Off Valve Controller

Price: 12000 BDT



Flume 2 Smart Home

Price: 60000 BDT

SUSTAINABILITY



ROOMS FOR IMPROVEMENT

- Adding LED displays on the receiver side
- Tracking Water Usage
- Adding Float Switch For Power Saving



THANK YOU