

**Engineers Without Borders
iSondlo Garden Project
Electronics Team
26 September 2022**

Prototype Building Preliminaries Meeting Attendees:

- + Ethan
- + Heather
- + Muhaimin
- + Thobani

Prototype Building Preliminaries Considerations:

Regarding components and equipment

- + Safety equipment: insulated gloves, helmets
- + Collecting breadboards - donations encouraged
- + Please collect rectangular ice-cream tubs for covering components
- + Types of tools required:
 - pliers
 - strippers
 - drill
 - soldering iron
 - screwdrivers
- + We need to keep record of the items purchased

Regarding Embedded System Design:

- + Draw up flowcharts and diagrams for logic
- + Go through data sheets for components
- + Download Arduino IDE
- + Go through code structure and write code
- + Verify code
- + Upload to Arduino

Regarding Prototype Integration in Garden:

- + Visit site for dimensioning
- + Pole mount for solar system
- + Consider implications of prototype placement for expansion

Subteam leaders:

- + Controls => Heather
- + Power => Thobani

Subteam leader tasks:

- + Coordinate subteam meetings, site visits and tasks
- + Ensure that each team member is on the same page
- + Keep record of tools and equipment

This week:

- + Gantt Chart
- + Site visit (Saturday, 01 October 2022)
- + Meet with subteam leaders