| WEEK # | Milestones | Achieved / Delay/ Cancelled |
| --- | --- | --- |
| 2 | * Have the rover built. * Complete flowchart. * Power Analysis ~Anshu * Indicator for Battery states~Michael Foster * Finalizing Parts | FlowChart-Achieved 90%  Rover Built - Achieved  Power Analysis - Achieved  Battery Indicator- Achieved |
| 3 | * Altium design & equipment ~ Raunaq/Ingmar * Solar Charging the capacitor and discharging using the rover * Speedometer code and design (estimated) ~Aakansha Bhatt | Solar charging the cap and discharge using the rover: 45% Achieved    Currently testing Aakansha’s code |
| 4 | * Getting the motor to run for ~8sec (Anshu) * Start on the Documentation | The rover runs for 15sec  Documentations needs to be completed |
| 5 | Finishing up for ALPHA prototype:   |  | Responsibility taken by ……….. To complete the task | | --- | --- | | Rover | Anshu | | Speedometer | Aakansha | | OLED display and make that to work with the rover system | Ingmar & Michael  Almost fully completed. Still needs a small amount of work. | | Video transmission | Yang | | Altium Designs (Schematics, PCB design, 3D enclosure) | Ingmar & Raun:  Finished Schematic 95%  PCB Design: Finish Weekend  3D Enclosure: Aakansha | | Documentation | All of us | | Merge systems | Anshu | |  |
| 6 | ------------------------------------------- |  |
| 7 | ------------------------------------------ |  |
| 8 | Test H-bridge with the motor using the ADALM (Anshu)  Research on GPS tracker, shaft encoder, humidity and soil sensing (Aakansha & Raun)  ADC implementation of the OLED (Ingmar) |  |
| 9 | OLED display: displaying the value read by Psoc on the OLED display  Using the h-bridge  Shaft encoder |  |
| 10 |  |  |
|  |  |  |
|  |  |  |

Alpha Prototype

1. Solar Fuel Gauge
2. Get the rover to move using capacitor
3. Indicator of the battery level
4. Altium Part

**Monday of week\_5**

**Rover capacitor charging and oled display**

**Shaft coder speedometer**