| ID | Task Mode | Task Name | Duration | Start | Finish | Predecessors | Resource Names |
|----|-----------|-----------|----------|-------|--------|--------------|----------------|
| 1 | 📌 | Proposal | 0 days | Sun 1/12/14 | Sun 1/12/14 | | |
| 2 | 📌 | **Begin Research** | **15 days** | **Mon 1/13/14** | **Fri 1/31/14** | | |
| 3 | 📌 | **Populate Timeline** | **8 days** | **Fri 1/17/14** | **Tue 1/28/14** | | |
| 4 | 📌 | Initial Build | 5 days | Fri 1/17/14 | Thu 1/23/14 | | |
| 5 | 📌 | Review | 1 day | Fri 1/24/14 | Fri 1/24/14 | | |
| 6 | 📌 | Complete | 3 days | Fri 1/24/14 | Tue 1/28/14 | | |
| 7 | 📌 | **Software Guidelines** | **8 days** | **Fri 1/17/14** | **Tue 1/28/14** | | |
| 8 | 📌 | Initial Build | 8 days | Fri 1/17/14 | Tue 1/28/14 | | |
| 9 | 📌 | Review | 1 day | Fri 1/24/14 | Fri 1/24/14 | | |
| 10 | 📌 | Complete | 3 days | Fri 1/24/14 | Tue 1/28/14 | | |
| 11 | 📌 | **Sensors Specification Research** | **8 days** | **Sat 1/18/14** | **Tue 1/28/14** | | |
| 12 | 📌 | Initial Build | 5 days | Sat 1/18/14 | Thu 1/23/14 | | |
| 13 | 📌 | Review | 1 day | Fri 1/24/14 | Fri 1/24/14 | | |
| 14 | 📌 | Complete | 3 days | Fri 1/24/14 | Tue 1/28/14 | | |
| 15 | 📌 | **Power Specification Research** | **8 days** | **Sat 1/18/14** | **Tue 1/28/14** | | |
| 16 | 📌 | Initial Build | 5 days | Sat 1/18/14 | Thu 1/23/14 | | |
| 17 | 📌 | Review | 1 day | Fri 1/24/14 | Fri 1/24/14 | | |
| 18 | 📌 | Complete | 3 days | Fri 1/24/14 | Tue 1/28/14 | | |
| 19 | 📌 | **Microcontroller Research** | **8 days** | **Sat 1/18/14** | **Tue 1/28/14** | | |
| 20 | 📌 | Initial Build | 5 days | Sat 1/18/14 | Thu 1/23/14 | | |
| 21 | 📌 | Review | 1 day | Fri 1/24/14 | Fri 1/24/14 | | |
| 22 | 📌 | Complete | 3 days | Fri 1/24/14 | Tue 1/28/14 | | |
| 23 | 📌 | Team Meeting | 1 day | Fri 1/24/14 | Fri 1/24/14 | | |
| 24 | 📌 | Updated Proposal | 5 days | Fri 1/24/14 | Thu 1/30/14 | | |
| 25 | 📌 | **Team Meeting** | **1 day** | **Fri 1/31/14** | **Fri 1/31/14** | | |
| 26 | 📌 | Design Review One/ Begin Prototyp | 0 days | Fri 1/31/14 | Fri 1/31/14 | | |
| 27 | 📌 | **Initial Build** | **47 days** | **Sat 2/1/14** | **Sun 4/6/14** | | |
| 28 | 📌 | Aquire Parts | 7 days | Sat 2/1/14 | Sat 2/8/14 | | |
| 29 | 📌 | Team Meeting | 1 day | Fri 2/7/14 | Fri 2/7/14 | | |
| 30 | 📌 | **Hardware** | **27 days** | **Sun 2/9/14** | **Sat 3/15/14** | | |
| 31 | 📌 | **Sensor Module Build** | **27 days** | **Sun 2/9/14** | **Sat 3/15/14** | | |
| 32 | 📌 | Signal Conditioning | 16 days | Sun 2/9/14 | Fri 2/28/14 | | |
| 33 | 📌 | Circuit Protection | 12 days | Fri 2/28/14 | Sat 3/15/14 | | |
| 34 | 📌 | **Power Build** | **16 days** | **Sun 2/9/14** | **Fri 2/28/14** | | |

| ID | Task Mode | Task Name | Duration | Start | Finish | Predecessors | Resource Names |
|---|---|---|---|---|---|---|---|
| 35 | | Research Power Demands | 7 days | Sun 2/9/14 | Sun 2/16/14 | | |
| 36 | | Research Performance | 11 days | Sun 2/16/14 | Fri 2/28/14 | | |
| 37 | | **Firmware** | **25 days** | **Sun 2/9/14** | **Sat 3/15/14** | | |
| 38 | | **Microcontroller Build** | **27 days** | **Sun 2/9/14** | **Sat 3/15/14** | | |
| 39 | | General | 6 days | Sun 2/9/14 | Fri 2/14/14 | | |
| 40 | | PSoC Components | 22 days | Sun 2/16/14 | Sat 3/15/14 | | |
| 41 | | ADC | 12 days | Fri 2/28/14 | Sat 3/15/14 | | |
| 42 | | Timewheel | 12 days | Fri 2/28/14 | Sat 3/15/14 | | |
| 43 | | Power Management | 12 days | Fri 2/28/14 | Sat 3/15/14 | | |
| 44 | | Team Meeting | 1 day | Fri 2/14/14 | Fri 2/14/14 | | |
| 45 | | Team Meeting | 1 day | Fri 2/21/14 | Fri 2/21/14 | | |
| 46 | | Team Meeting | 1 day | Fri 2/28/14 | Fri 2/28/14 | | |
| 47 | | **Assemble System** | **17 days** | **Sat 3/1/14** | **Sat 3/22/14** | | |
| 48 | | Design Testplan | 10 days | Sat 3/1/14 | Thu 3/13/14 | | |
| 49 | | Team Meeting | 1 day | Fri 3/7/14 | Fri 3/7/14 | | |
| 50 | | Build Schematics | 12 days | Fri 3/7/14 | Sat 3/22/14 | | |
| 51 | | System Testing | 7 days | Fri 3/14/14 | Sat 3/22/14 | | |
| 52 | | Team Meeting | 1 day | Fri 3/14/14 | Fri 3/14/14 | | |
| 53 | | Team Meeting | 1 day | Fri 3/21/14 | Fri 3/21/14 | | |
| 54 | | Functional Prototype | 0 days | Sun 3/23/14 | Sun 3/23/14 | | |
| 55 | | Team Meeting | 1 day | Fri 3/28/14 | Fri 3/28/14 | | |
| 56 | | Prototype Assesment | 6 days | Sat 3/29/14 | Fri 4/4/14 | | |
| 57 | | Research Software/User Interface | 10 days | Sun 3/23/14 | Thu 4/3/14 | | |
| 58 | | Reseach Housing | 10 days | Sun 3/23/14 | Thu 4/3/14 | | |
| 59 | | **Team Meeting** | **1 day** | **Fri 4/4/14** | **Fri 4/4/14** | | |
| 60 | | Design Review Two and Revision | 0 days | Mon 3/24/14 | Mon 3/24/14 | 54 | |
| 61 | | **Revised Build** | **31 days** | **Mon 4/7/14** | **Sun 5/18/14** | **60** | |
| 62 | | BOM | 5 days | Mon 4/7/14 | Fri 4/11/14 | | |
| 63 | | Team Meeting | 1 day | Fri 4/11/14 | Fri 4/11/14 | | |
| 64 | | Prototype | 4 days | Sat 4/12/14 | Wed 4/16/14 | | |
| 65 | | Board Layout | 3 days | Wed 4/16/14 | Fri 4/18/14 | | |
| 66 | | Team Meeting | 1 day | Fri 4/18/14 | Fri 4/18/14 | | |
| 67 | | Order BOM | 2 days | Fri 4/18/14 | Sun 4/20/14 | | |
| 68 | | **Final Project Assembly** | **32 days** | **Sun 4/20/14** | **Sat 5/31/14** | **60** | |

| ID | Task Mode | Task Name | Duration | Start | Finish | Predecessors | Resource Names |
|----|-----------|-----------|----------|-------|--------|--------------|----------------|
| 69 | | Team Meeting | 1 day | Fri 4/25/14 | Fri 4/25/14 | | |
| 70 | | **Final Report** | **27 days** | **Fri 4/25/14** | **Sat 5/31/14** | | |
| 71 | | &lt;New Task&gt; | | | | | |
| 72 | | Populate Boards | 6 days | Mon 4/28/14 | Sun 5/4/14 | | |
| 73 | | Poster | 27 days | Fri 4/25/14 | Sat 5/31/14 | | |
| 74 | | Team Meeting | 1 day | Fri 5/2/14 | Fri 5/2/14 | | |
| 75 | | Team Meeting | 1 day | Fri 5/9/14 | Fri 5/9/14 | | |
| 76 | | Team Meeting | 1 day | Fri 5/16/14 | Fri 5/16/14 | | |
| 77 | | Final Unit Completion | 0 days | Sun 5/18/14 | Sun 5/18/14 | | |
| 78 | | Team Meeting | 1 day | Fri 5/23/14 | Fri 5/23/14 | | |
| 79 | | Team Meeting | 1 day | Fri 5/30/14 | Fri 5/30/14 | | |
| 80 | | **Final** | **6 days** | **Sun 6/1/14** | **Fri 6/6/14** | | |
| 81 | | Presenresentation Practice | 5 days | Sun 6/1/14 | Thu 6/5/14 | | |
| 82 | | Present/Wrap Up | 0 days | Fri 6/6/14 | Fri 6/6/14 | | |
| 83 | | Team Meeting 20 | 1 day | Fri 6/6/14 | Fri 6/6/14 | | |