

# Temperature Controlled Fan Project Schedule



| Task Name                                | Duration | Start    | Finish   | Predecessors | Assigned To              | % Complete | Status | Comments |
|--|----------|----------|----------|--------------|--------------------------|------------|--------|----------|
| <b>Make Initial Decisions</b>            | 2.5d     | 03/10/17 | 05/10/17 |              |                          | 100%       |        |          |
| Collect Project Ideas                    | 2d       | 03/10/17 | 04/10/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 100%       |        |          |
| Decide Project Objectives                | 0.5d     | 05/10/17 | 05/10/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 100%       |        |          |
| <b>Prepare Tasks</b>                     | 7d       | 05/10/17 | 14/10/17 |              |                          | 100%       |        |          |
| Create Project Wiki                      | 1d       | 05/10/17 | 05/10/17 |              | Mitch                    | 100%       |        |          |
| Research Micro-controllers               | 2d       | 09/10/17 | 10/10/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 100%       |        |          |
| Research Temp-sensors                    | 2d       | 09/10/17 | 10/10/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 100%       |        |          |
| Research PCB                             | 2d       | 09/10/17 | 10/10/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 100%       |        |          |
| Learn Eagle CAD Software                 | 1d       | 14/10/17 | 14/10/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 100%       |        |          |
| <b>Write Requirements Document</b>       | 3d       | 16/10/17 | 18/10/17 |              |                          | 100%       |        |          |
| Write Initial Draft of the Requirements  | 1d       | 16/10/17 | 16/10/17 |              | Mitch                    | 100%       |        |          |
| Revise the Requirements Document         | 1d       | 17/10/17 | 17/10/17 |              | Xiaoqiao, Ting           | 100%       |        |          |
| Write the Final Requirements Document    | 1d       | 18/10/17 | 18/10/17 |              | Ryan                     | 100%       |        |          |
| <b>Create Design Specification</b>       | 3d       | 16/10/17 | 18/10/17 |              |                          | 100%       |        |          |
| Write the Initial Draft of Design        | 1d       | 16/10/17 | 16/10/17 |              | Ryan                     | 100%       |        |          |
| Revise the Design specifications         | 1d       | 17/10/17 | 17/10/17 |              | Xiaoqiao,Ting            | 100%       |        |          |
| Write the Final Design Specifications    | 1d       | 18/10/17 | 18/10/17 |              | Mitch                    | 100%       |        |          |
| <b>Create the Project Proposal</b>       | 3d       | 16/10/17 | 18/10/17 |              |                          | 100%       |        |          |
| Write the Initial Draft of the Project   | 1d       | 16/10/17 | 16/10/17 |              | Xiaoqiao,Ting            | 100%       |        |          |
| Revise the Project Proposal              | 1d       | 17/10/17 | 17/10/17 |              | Ryan                     | 100%       |        |          |
| Write the Final Project Proposal         | 1d       | 18/10/17 | 18/10/17 |              | Mitch                    | 100%       |        |          |
| <b>Design Circuitry</b>                  | 3d       | 23/10/17 | 25/10/17 |              |                          | 100%       |        |          |
| Create a Circuit Schematic               | 1d       | 23/10/17 | 23/10/17 |              | Ting                     | 100%       |        |          |
| Simulate the Schematic                   | 1d       | 23/10/17 | 23/10/17 |              | Xiaoqiao                 | 100%       |        |          |
| Design the Eagle CAD Layout              | 1d       | 24/10/17 | 24/10/17 |              | Ryan                     | 100%       |        |          |
| Create the Eagle CAD Model               | 1d       | 25/10/17 | 25/10/17 |              | Mitch                    | 100%       |        |          |
| <b>Order the components</b>              | 5d       | 19/10/17 | 25/10/17 |              |                          | 100%       |        |          |
| Identify the Parts Required              | 1d       | 19/10/17 | 19/10/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 100%       |        |          |
| Place order                              | 1d       | 20/10/17 | 20/10/17 |              | Mitch                    | 100%       |        |          |
| Receive Parts                            | 1d       | 25/10/17 | 25/10/17 |              | Mitch                    | 100%       |        |          |
| <b>Hardware Fabrication</b>              | 7d       | 30/10/17 | 07/11/17 |              |                          | 53%        |        |          |
| Make a Circuit Board                     | 4d       | 30/10/17 | 02/11/17 |              | Mitch                    | 70%        |        |          |
| Solder Components to PCB                 | 3d       | 03/11/17 | 07/11/17 |              | Ryan                     | 30%        |        |          |
| <b>Design Software</b>                   | 12d      | 29/10/17 | 13/11/17 |              |                          | 43%        |        |          |
| Install the Arduino IDE                  | 1d       | 29/10/17 | 29/10/17 |              | Xiaoqiao, Ting           | 100%       |        |          |
| Program the ATtiny 85                    | 5d       | 30/10/17 | 03/11/17 |              | Xiaoqiao, Ting           | 40%        |        |          |
| Load the Code to the Device              | 1d       | 13/11/17 | 13/11/17 |              | Xiaoqiao, Ting           | 0%         |        |          |
| <b>Create Test Cases</b>                 | 5d       | 20/11/17 | 24/11/17 |              |                          | 0%         |        |          |
| Test Hardware                            | 1d       | 20/11/17 | 20/11/17 |              | Mitch, Ryan              | 0%         |        |          |
| Test Software                            | 1d       | 21/11/17 | 21/11/17 |              | Xiaoqiao, Ting           | 0%         |        |          |
| Decide What Temp Requires the            | 1d       | 23/11/17 | 23/11/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 0%         |        |          |
| Decide What Temp. Should Start Fan       | 1d       | 24/11/17 | 24/11/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 0%         |        |          |
| <b>Prepare Presentation</b>              | 5d       | 30/11/17 | 06/12/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 0%         |        |          |
| <b>Review the Code and Documentation</b> | 2d       | 04/12/17 | 05/12/17 |              | Mitch,Ryan,Xiaoqiao,Ting | 0%         |        |          |