

| ID | Task Name                               | Duration | Start        | Finish       | Predecessors |
|----|---|----------|--------------|--------------|--------------|
| 1  | 1 ERP                                   | 81 days  | Sat 8/15/15  | Mon 12/7/15  |              |
| 2  | 1.1 Lesson learn                        | 23 days  | Sat 8/15/15  | Tue 9/15/15  |              |
| 3  | 1.1.1 Emotiv                            | 7 days   | Sat 8/15/15  | Mon 8/24/15  |              |
| 4  | 1.1.2 10/20 system                      | 7 days   | Mon 8/24/15  | Tue 9/1/15   |              |
| 5  | 1.1.3 Optimal visual condition          | 7 days   | Mon 8/24/15  | Tue 9/1/15   |              |
| 6  | 1.1.4 EEG                               | 7 days   | Mon 8/24/15  | Tue 9/1/15   |              |
| 7  | 1.1.5 ERP                               | 10 days  | Thu 8/27/15  | Wed 9/9/15   |              |
| 8  | 1.1.6 Digital signal processing         | 5 days   | Wed 9/9/15   | Tue 9/15/15  | 7            |
| 9  | 1.1.6.1 Peak detection                  | 5 days   | Wed 9/9/15   | Tue 9/15/15  |              |
| 10 | 1.1.6.2 Feature scaling                 | 5 days   | Wed 9/9/15   | Tue 9/15/15  |              |
| 11 | 1.2 Hardware design                     | 10 days  | Wed 9/2/15   | Tue 9/15/15  | 5            |
| 12 | 1.2.1 Design the visual stimulator      | 10 days  | Wed 9/2/15   | Tue 9/15/15  |              |
| 13 | 1.2.2 Design software control           | 10 days  | Wed 9/2/15   | Tue 9/15/15  |              |
| 14 | 1.3 Software design                     | 23 days  | Wed 9/16/15  | Fri 10/16/15 | 13           |
| 15 | 1.3.1 Software design pharse            | 15 days  | Wed 9/16/15  | Tue 10/6/15  |              |
| 16 | 1.3.2 GUI pharse                        | 13 days  | Wed 9/16/15  | Fri 10/2/15  |              |
| 17 | 1.3.3 Emotiv status and real time graph | 10 days  | Mon 10/5/15  | Fri 10/16/15 | 6,7,16       |
| 18 | 1.4 Implementation                      | 26 days  | Mon 10/19/15 | Mon 11/23/15 | 14           |
| 19 | 1.4.1 Arduino- Control flicker          | 7 days   | Mon 10/19/15 | Tue 10/27/15 | 12           |
| 20 | 1.4.2 Implement visual stimulators      | 10 days  | Wed 10/21/15 | Tue 11/3/15  | 12           |
| 21 | 1.4.3 ERP feature extraction            | 10 days  | Mon 10/19/15 | Fri 10/30/15 | 7,17         |
| 22 | 1.4.4 Program function                  | 15 days  | Tue 11/3/15  | Mon 11/23/15 | 16           |
| 23 | 1.4.4.1 music                           | 7 days   | Tue 11/3/15  | Wed 11/11/15 |              |
| 24 | 1.4.4.2 video                           | 7 days   | Tue 11/3/15  | Wed 11/11/15 |              |
| 25 | 1.4.4.3 etc.                            | 9 days   | Wed 11/11/15 | Mon 11/23/15 |              |
| 26 | 1.5 Experiment                          | 43 days  | Wed 9/16/15  | Fri 11/13/15 | 12           |
| 27 | 1.5.1 Experiment                        | 10 days  | Wed 9/16/15  | Tue 9/29/15  |              |
| 28 | 1.5.2 Analysis                          | 10 days  | Mon 11/2/15  | Fri 11/13/15 | 27,21        |
| 29 | 1.6 Testing                             | 10 days  | Tue 11/24/15 | Mon 12/7/15  | 26,18        |
| 30 | 1.6.1 Testing program                   | 10 days  | Tue 11/24/15 | Mon 12/7/15  |              |
| 31 | 2 SSVEP                                 | 85 days  | Mon 1/4/16   | Sat 4/30/16  | 1            |

