

# Project1

| ID |  | Task Mode | Task Name                                      | Duration          | Start              | Finish             | Predecessors       | Resource Initials   |
|----|--|-----------|------------------------------------------------|-------------------|--------------------|--------------------|--------------------|---------------------|
| 1  |  |           | Finish Gantt Chart                             | 2 days            | Sat 2/12/11        | Sun 2/13/11        |                    | JB,JDF,KX,ML        |
| 2  |  |           | Submit Request for Vertix6 Board               | 24 hrs            | Mon 2/14/11        | Tue 2/15/11        | 11                 | JB                  |
| 3  |  |           | Final Report Completion                        | 5 days            | Sat 4/23/11        | Mon 4/25/11        | 10,15,19,37        | JB,JDF,KX,ML        |
| 4  |  |           | Design Day                                     | 5 days            | Thu 4/28/11        | Sat 4/30/11        |                    | JB,JDF,KX,ML        |
| 5  |  |           | Self Assessment                                | 0 days            | Wed 4/20/11        | Wed 4/20/11        |                    |                     |
| 6  |  |           | Final Proposal due                             | 5 days            | Thu 2/24/11        | Sat 2/26/11        |                    | JB,JDF,KX,ML        |
| 7  |  |           | <b>Proposal Presentation</b>                   | <b>4 days</b>     | <b>Sun 2/27/11</b> | <b>Tue 3/1/11</b>  | <b>24,31,36,38</b> | <b>JB,JDF,KX,ML</b> |
| 8  |  |           | Team Meeting                                   | 1 day             | Sun 2/27/11        | Sun 2/27/11        |                    | JB,JDF,KX,ML        |
| 9  |  |           | Power Point Finalized                          | 2 days            | Mon 2/28/11        | Tue 3/1/11         | 8                  | KX                  |
| 10 |  |           | <b>Xilinx Resources Research</b>               | <b>7.42 days</b>  | <b>Sat 2/12/11</b> | <b>Wed 2/16/11</b> |                    |                     |
| 11 |  |           | vertex 6 research                              | 2 days            | Sat 2/12/11        | Sun 2/13/11        |                    | JDF,JB              |
| 12 |  |           | Spartan 3A Research                            | 2 days            | Sat 2/12/11        | Sun 2/13/11        |                    |                     |
| 13 |  |           | Matlab/Simulink System Generator               | 7 days            | Sat 2/12/11        | Tue 2/15/11        |                    | JDF,JB,KX,ML        |
| 14 |  |           | Xilinx ISE Design Suite                        | 7 days            | Sat 2/12/11        | Wed 2/16/11        |                    | JDF,JB,KX,ML        |
| 15 |  |           | <b>FPGA Architecture Design</b>                | <b>20 days</b>    | <b>Tue 2/15/11</b> | <b>Fri 2/25/11</b> | <b>24,31,36,38</b> |                     |
| 16 |  |           | Pcore Design                                   | 10 days           | Sun 2/20/11        | Fri 2/25/11        | 17                 | JB,KX,ML            |
| 17 |  |           | Pipeline Design                                | 5 days            | Fri 2/18/11        | Sun 2/20/11        | 18                 | JDF,KX,ML           |
| 18 |  |           | Memory Flow Design                             | 5 days            | Tue 2/15/11        | Fri 2/18/11        |                    | JB,KX,ML            |
| 19 |  |           | <b>Design For HOG</b>                          | <b>67.33 days</b> | <b>Sat 2/12/11</b> | <b>Fri 3/18/11</b> |                    |                     |
| 20 |  |           | <b>Sliding Window</b>                          | <b>55.33 days</b> | <b>Sat 2/12/11</b> | <b>Sat 3/12/11</b> |                    |                     |
| 21 |  |           | <b>FPGA Implementation</b>                     | <b>20 days</b>    | <b>Wed 3/2/11</b>  | <b>Sat 3/12/11</b> | <b>15</b>          |                     |
| 22 |  |           | Hardware Implementation                        | 5 days            | Wed 3/9/11         | Sat 3/12/11        | 23                 | KX,ML               |
| 23 |  |           | Software Implementation                        | 15 days           | Wed 3/2/11         | Wed 3/9/11         |                    | JB,JDF              |
| 24 |  |           | Research Memory Mangement                      | 5 days            | Sat 2/12/11        | Mon 2/14/11        |                    | JDF,KX,ML           |
| 25 |  |           | <b>Support Vector Machine Implementation</b>   | <b>42.03 days</b> | <b>Sat 2/12/11</b> | <b>Sat 3/5/11</b>  |                    |                     |
| 26 |  |           | Hardware Implementation                        | 4 days            | Wed 3/2/11         | Fri 3/4/11         | 27                 | ML,KX               |
| 27 |  |           | FPGA Code Software Implementation              | 10 days           | Fri 2/25/11        | Wed 3/2/11         | 15                 | JB,JDF              |
| 28 |  |           | <b>Classifier Design</b>                       | <b>35 days</b>    | <b>Tue 2/15/11</b> | <b>Sat 3/5/11</b>  |                    |                     |
| 29 |  |           | Image Database                                 | 5 days            | Tue 2/15/11        | Fri 2/18/11        | 31                 | KX,ML               |
| 30 |  |           | SVM Software Design                            | 15 days           | Fri 2/25/11        | Sat 3/5/11         | 15                 | JB,JDF              |
| 31 |  |           | SVM Research                                   | 7 days            | Sat 2/12/11        | Tue 2/15/11        |                    | JB,JDF,KX,ML        |
| 32 |  |           | <b>Histogram of Orientated Gradients (HOG)</b> | <b>67.33 days</b> | <b>Sat 2/12/11</b> | <b>Fri 3/18/11</b> |                    |                     |
| 33 |  |           | <b>FPGA Code</b>                               | <b>20 days</b>    | <b>Tue 3/8/11</b>  | <b>Fri 3/18/11</b> | <b>15</b>          |                     |
| 34 |  |           | Software implementation                        | 15 days           | Tue 3/8/11         | Tue 3/15/11        |                    | JB,JDF              |
| 35 |  |           | Hardware Implementation                        | 5 days            | Tue 3/15/11        | Fri 3/18/11        | 34                 | KX,ML               |
| 36 |  |           | HOG Research                                   | 4 days            | Sat 2/12/11        | Mon 2/14/11        |                    | JB,JDF,KX,ML        |
| 37 |  |           | <b>Monocular Ranging</b>                       | <b>32.73 days</b> | <b>Sat 2/12/11</b> | <b>Mon 2/28/11</b> |                    |                     |
| 38 |  |           | Distance Algorithm                             | 4 days            | Sat 2/12/11        | Mon 2/14/11        |                    | JB,JDF              |
| 39 |  |           | Camera Measurement                             | 2 days            | Sat 2/12/11        | Sun 2/13/11        |                    | KX,ML               |
| 40 |  |           | FPGA Design                                    | 5 days            | Fri 2/25/11        | Mon 2/28/11        | 38,39,15           | KX,ML               |
| 41 |  |           | Project Merging                                | 15 days           | Fri 4/1/11         | Fri 4/8/11         | 15,21,25,28,32,37  | JB,JDF,KX,ML        |