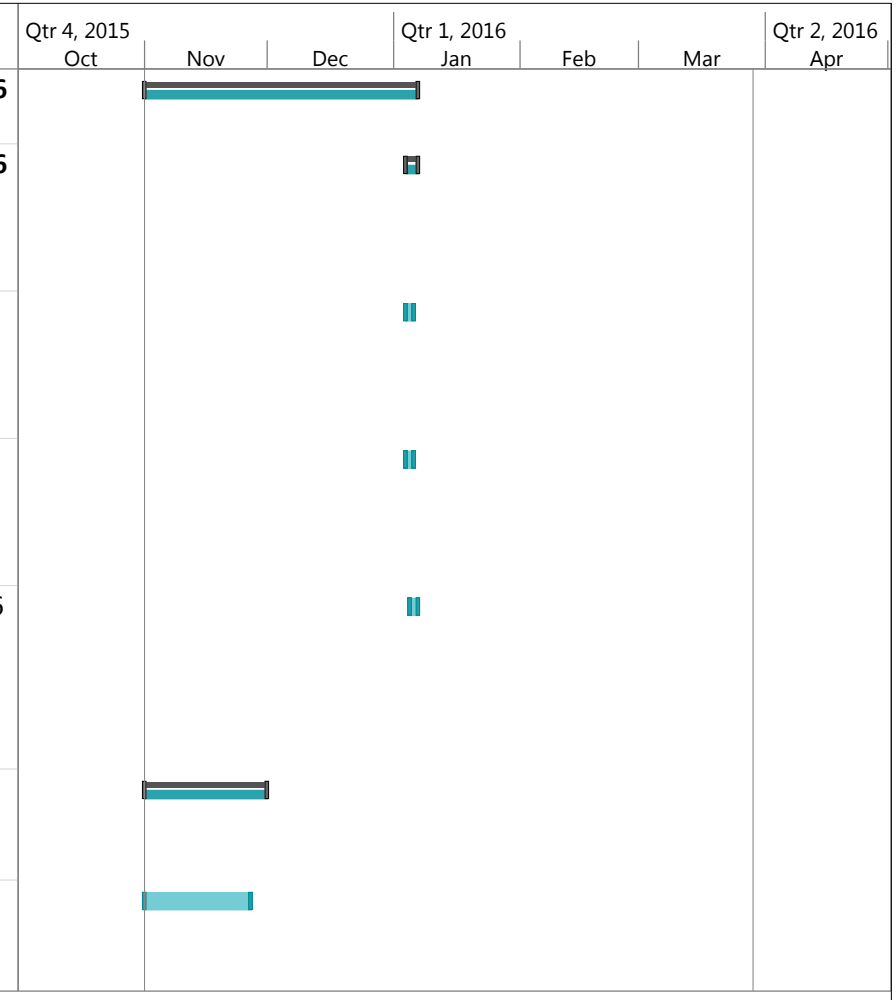
ID	Task Mode	Task Name	Duration	Start	Finish
1		**Start developing on the Jetson Tk1 board**	**49 days**	**Sun 11/1/15**	**Wed 1/6/16**
2		**Install the libraries/software necessary for development**	**3 days**	**Mon 1/4/16**	**Wed 1/6/16**
3		Determine what libraries would be useful for a SVS	2 days	Mon 1/4/16	Tue 1/5/16
4		Determine the environment necessary for these libraries	2 days	Mon 1/4/16	Tue 1/5/16
5		Ensure that these libraries will allow us to create each part of the project	2 days	Tue 1/5/16	Wed 1/6/16
6		**Create a communal space for development**	**22 days**	**Sun 11/1/15**	**Mon 11/30/15**
7		Give everyone access to this space	20 days	Sun 11/1/15	Thu 11/26/15



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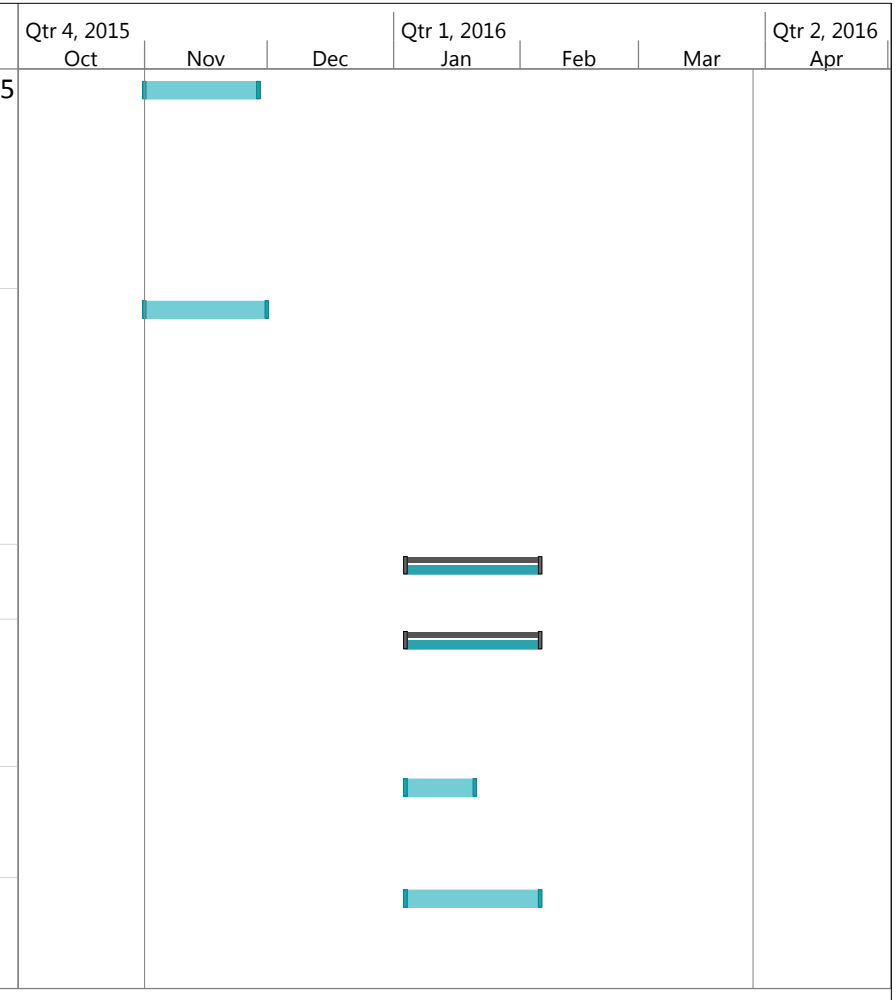
Task		Inactive Summary		External Tasks	
Split		Manual Task		External Milestone	
Milestone		Duration-only		Deadline	
Summary		Manual Summary Rollup		Progress	
Project Summary		Manual Summary		Manual Progress	
Inactive Task		Start-only			
Inactive Milestone		Finish-only			

ID	Task Mode	Task Name	Duration	Start	Finish
8		Create a plan for hardware, using a shared computer or individual computers	22 days	Sun 11/1/15	Sat 11/28/15
9		Implement this plan, getting a shared computer or installing the necessary software on each of our computers	22 days	Sun 11/1/15	Mon 11/30/15
10		**Develop the camera vision system**	**25 days**	**Mon 1/4/16**	**Fri 2/5/16**
11		**Get a working stream of video on the chosen platform**	**25 days**	**Mon 1/4/16**	**Fri 2/5/16**
12		Connect cameras to single board computer	13 days	Mon 1/4/16	Wed 1/20/16
13		Display camera feed on output monitor	25 days	Mon 1/4/16	Fri 2/5/16



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Split		Manual Task		External Milestone	
Milestone		Duration-only		Deadline	
Summary		Manual Summary Rollup		Progress	
Project Summary		Manual Summary		Manual Progress	
Inactive Task		Start-only			
Inactive Milestone		Finish-only			

ID	Task Mode	Task Name	Duration	Start	Finish
14		**Develop method for measuring overall latency**	**25 days**	**Mon 1/4/16**	**Fri 2/5/16**
15		Measure fixed latency of camera and display	19 days	Mon 1/4/16	Thu 1/28/16
16		Implement input-to-output timestamp of each frame	25 days	Mon 1/4/16	Fri 2/5/16
17		**Develop the benchmarking and testing user interface**	**31 days**	**Mon 1/4/16**	**Mon 2/15/16**
18		**Display latency, frames per second, and CPU/GPU usage on screen**	**28 days**	**Mon 1/4/16**	**Wed 2/10/16**
19		Log with timestamps	26 days	Mon 1/4/16	Sat 2/6/16
20		Display in real time	26 days	Mon 1/4/16	Mon 2/8/16
21		Implement video combination algorithm	31 days	Mon 1/4/16	Mon 2/15/16

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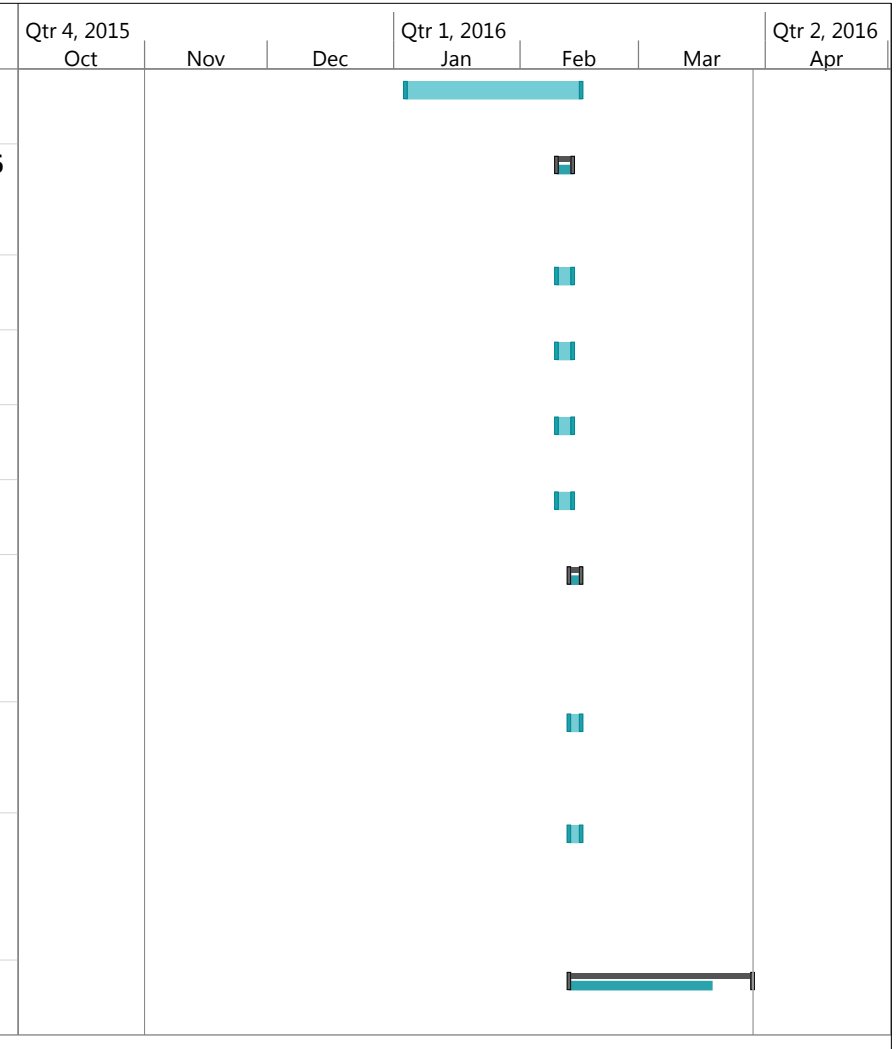
Deadline
Progress
Manual Progress

ID	Task Mode	Task Name	Duration	Start	Finish
22		Implement color filter layers	31 days	Mon 1/4/16	Mon 2/15/16
23		**Implement video postprocessing algorithms**	**4 days**	**Wed 2/10/16**	**Sat 2/13/16**
24		Blur removal	4 days	Wed 2/10/16	Sat 2/13/16
25		Erosion	4 days	Wed 2/10/16	Sat 2/13/16
26		Smoothing	4 days	Wed 2/10/16	Sat 2/13/16
27		And more!	4 days	Wed 2/10/16	Sat 2/13/16
28		**Implement object tracking for a specified target (optional)**	**2 days**	**Sat 2/13/16**	**Mon 2/15/16**
29		Detect object with cameras 1 and/or 2	2 days	Sat 2/13/16	Mon 2/15/16
30		Use camera with telescopic lens to zoom in and track target	2 days	Sat 2/13/16	Mon 2/15/16
31		**Benchmarking and evaluation**	**32 days**	**Sat 2/13/16**	**Mon 3/28/16**



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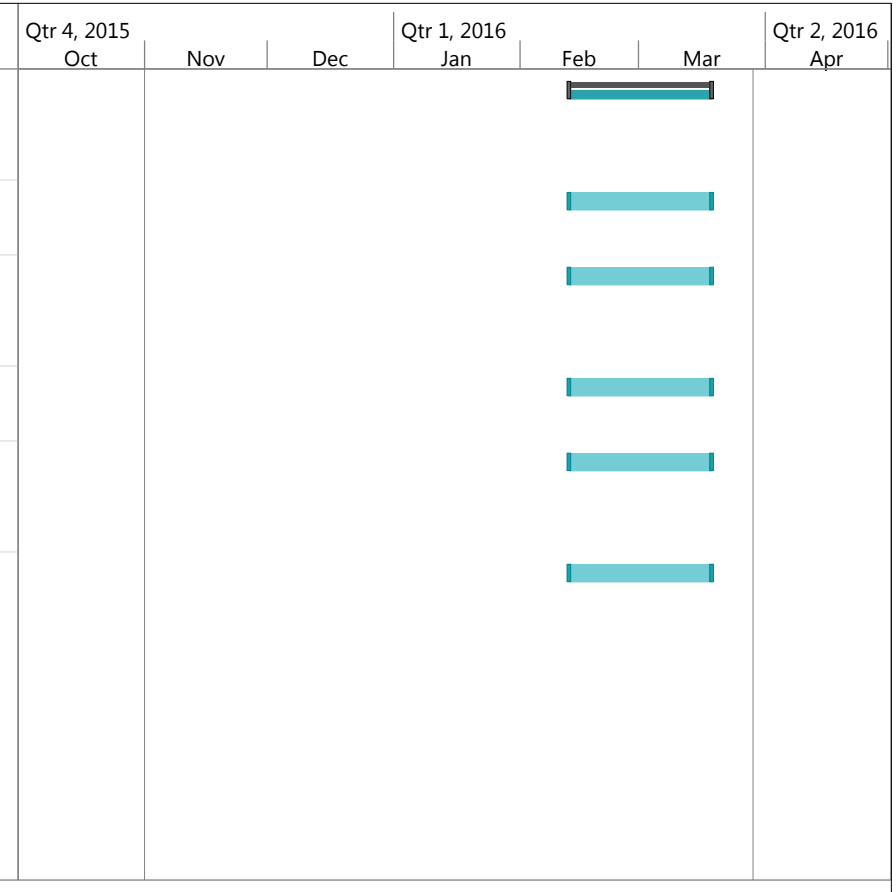
ID	Task Mode	Task Name	Duration	Start	Finish
32		**Determine the total time from camera image to monitor**	**26 days**	**Sat 2/13/16**	**Fri 3/18/16**
33		Determine with different filters	26 days	Sat 2/13/16	Fri 3/18/16
34		Determine with different cameras	26 days	Sat 2/13/16	Fri 3/18/16
35		Determine with multiple cameras	26 days	Sat 2/13/16	Fri 3/18/16
36		Display determined results in graphs and charts	26 days	Sat 2/13/16	Fri 3/18/16
37		From the results, determine if a single board computer is feasible for processing and displaying multiple camera feeds to multiple monitors	26 days	Sat 2/13/16	Fri 3/18/16



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