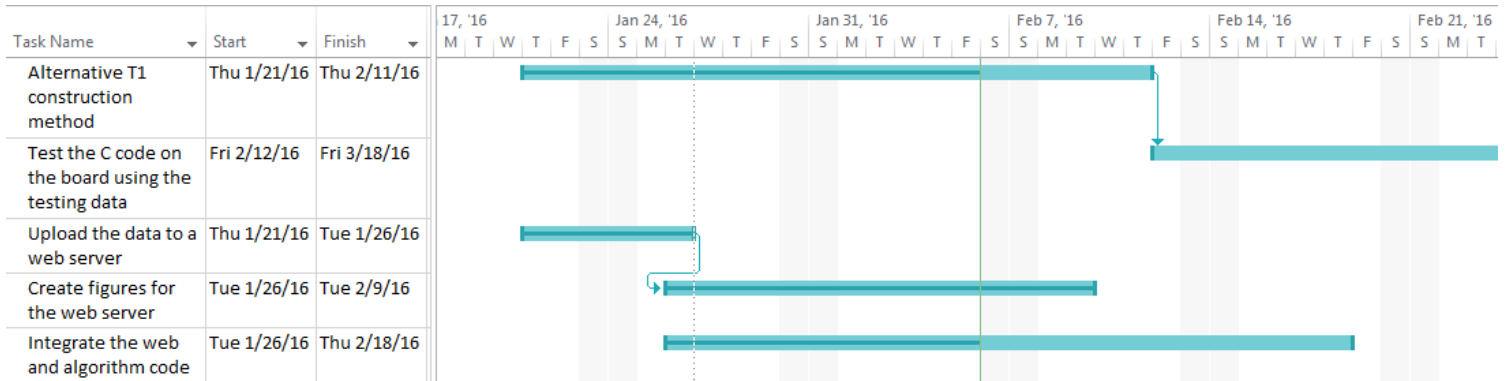


### Gantt Chart (1/28-2/2):



### Progress (1/28-2/2):

The team successfully sent 1000 samples of heart data to Plotly's servers and viewed the resulting graph in a text message. In the integration phase, the team added the C algorithm code to an Energia sketch and successfully ran the program with the PC-side UART testing system. Lastly, the team tested the wavelet transform algorithm for QRS onset and offset detection in MATLAB. Based on the algorithm's accuracy and sensitivity of PVC detection when combined with the template-matching algorithm, the team determined that further improvements may be needed.

### Goals:

During the next lab week, the team will add the wireless communication code to the integrated sketch in Code Composer Studio. The team will also investigate the wavelet transform algorithm further by adjusting the thresholds for PVC detection.