| Main points | Assigned to | Expected date of completion |
| --- | --- | --- |
| Even though CNN is very good, it has two problems:  1. It could be just memorizing the data. Since they are so pristine, the accuracy will be high.  2. It is not learning a sequence of actions, which is what we want.  We can do some visualization to further the point, but we would not present this as final solution to Prof, since he could immediately see through these two points. He also wouldn't be happy since our pure CNN model is rather simple. |  |  |
| Kevin has quite some experience with CNN visualization, he can help us with the visualization, and potentially more NN along the way. | Kelvin | 31/10/18 (Wed) |
| Aproova's approach yields the best result, and take into consideration of the sequence. However, it would still take some efforts to visualize and explain the model. Also, the sequence do have some problems. For e.g., would the model return me the same result if the sequence of the image is reversed, or only a few frames inside a sequence got swapped? We can make this the current main approach, and study ways to visualize and explain. | Aproova |  |
| Jyoti is investigating the LSTM approach. She suggested that we can make use of existing CNN and build on top of it. It would be best if we managed to do this, since we did talk a lot about it during the presentation. Also, the Prof seems interested in this. | Jyoti | 31/10/18 (Wed) |
| As currently I don't have a lot to do, I will sink some more time in trying out the frame normalization approach, as I have no confidence this would actually work. The investigation would centre around finding a model that can predict an intermediate frame given two frames. Once this model can be found, this approach should work well, and it is very easy to explain. | Chi Cheng | 31/10/18 (Wed) |