

Experiment 2  
Digital Image Processing  
6 November 2019

This project is individual. Progress Report due 20 November 2019.  
Final Report due 4 December 2019.

1. Visit [http://cvlab.hanyang.ac.kr/tracker\\_benchmark/datasets.html](http://cvlab.hanyang.ac.kr/tracker_benchmark/datasets.html) . Use the videos labeled 'Biker' and 'Girl' under 'TB-50 Sequences' for this project. Perform the following on both datasets.
2. Create a template of the biker and girl from frame 1 in each of the videos. Find the location of the template in the last frame of the videos without using any of the frames in between.
3. Design a tracking algorithm (must be your own) to track the biker and girl through the videos.
4. Then select one video of your own choosing and perform the template matching and tracking tasks described above. Note which dataset you have chosen.
5. Compare your results to the ground truth provided with the datasets.
6. Turn in your PDF and code on Collab.