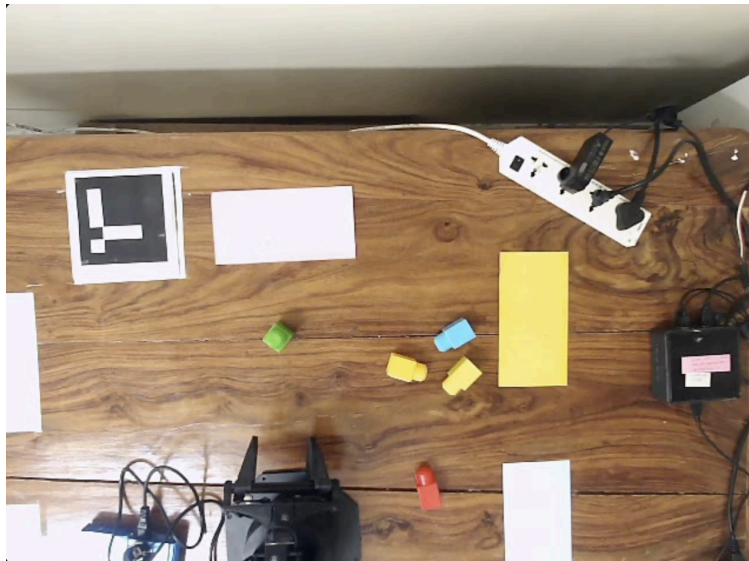**Weekly Progress** - Week of 16th Feb - 23rd Feb:
- As part recreating the experiment proposed in the self-supervised object tracking and segmentation paper, I needed to use two different pre existing ML models, XMem and MMFlow
- XMem is used to separately recognize and track different objects in different frames of a video
- And MMFlow is for optical flow estimation
- This week I worked on using the XMem model for object segmentation in video, and installed the dependencies for the same.
- I ran the demo cases without any issue, which was done with a test YouTube video

Demo frame

- I tried to test the same with a live video that is being streamed from the overhead camera above the setup

Frame from the overhead camera

- While this live video tracking setup isn't working yet, but I understand the issue that it is facing so I will work on fixing it
- In the meanwhile the overall object tracking code is running into some issues with MMFlow, which I will try to fix by next week as well.