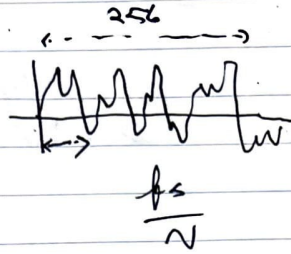## Meeting Notes :—

1) Need to iterate over picture Frame by Frame, where we take a sample of image over a bigger Window.

(Phueykong's library can deal w/ edge cases / inputs 0 where there is no image data)
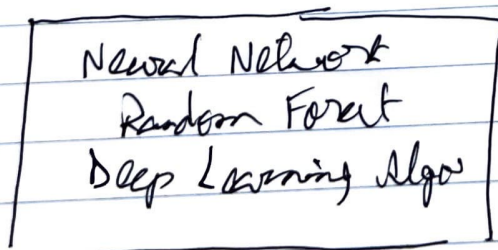
SVS → image file   CSV → label coordinates

Iterate over image to find when Frame center is in a labeled region

Output → list of frames (inside labeled regions)
          labels inside image
          (category)

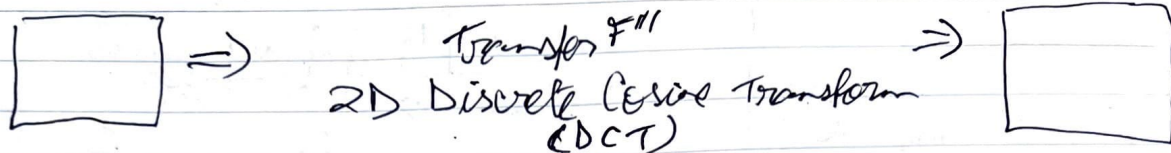Python — Topology / Geometry library to check if point is within a certain bound.

2) Trainer

list of matrices (Frames inside labels), Labels

⇓

Neural Network
Random Forest
Deep Learning Algo

⇓
Model(s)

3) **Feature Engineering :**

$\square$ $\Rightarrow$ Transfer F^{n} 2D Discrete Cosine Transform (DCT) $\Rightarrow$ $\square$

To produce a set of vectors for the Frames and labels ??