

# Plan for IRIS Labs - CCTV Attendance(29 Aug - 29 Sept)

## Week 1 :

- Stanford CS231n **Lecture 1 - Lecture 6**

Link:-

<https://www.youtube.com/playlist?list=PLC1qU-LWwrF64f4QKQT-Vg5Wr4qEE1Zxk>

## Week 2 :

- Stanford Cs 231n **Lecture 7 - Lecture 9, Lecture 12**

Link:-

<https://www.youtube.com/playlist?list=PLC1qU-LWwrF64f4QKQT-Vg5Wr4qEE1Zxk>

- Deeplearning.ai course 4 **Convolutional Neural Network** Week 4

Link:-

<https://www.coursera.org/learn/convolutional-neural-networks/home/week/4>

## Week 3 :

- Deeplearning.ai course **Convolutional Neural Network in Tensorflow**

Link:- <https://www.coursera.org/learn/convolutional-neural-networks-tensorflow>

- Reading about **Facenet**, **MTCNN**, **OpenCV DNN**, **Face Recognition** library etc.. architecture in **Keras** or **Pytorch** or **Tensorflow**, implementing and calculating its accuracy on a small dataset.

## Week 4:

- Implementing the algorithms taught in the above courses on a small dataset, comparing and showing its result.
- Implementation of **Facenet** architecture in **Keras** or **Pytorch** or **Tensorflow** and implementing and calculating its accuracy on a small dataset.