

DATA ANALYSIS CLUB

IIT PALAKKAD



The Beginning

- Founded August 2017
- Founders
 - Kaushal Kishore
 - Amit Vikram Singh
 - Suchith Mahajan
- Initial Months
 - Honed Programming Skills
 - Learned Concepts of Machine Learning & Computer Vision
- Finished Projects: Pedestrian Detection
- Ongoing Projects by members
 - Face Detection (Vaibhav, Vipin, Abhishek , etc.)
 - Face Recognition (Devansh, Ahmed, etc.)

Computer Vision

Humans use their eyes and their brains to see and visually sense the world around them. Computer vision is the science that aims to give a similar, if not better, capability to a machine or computer.

Believe me, making a computer understand what it see is the most difficult task.

Computer Vision

Applications:

- Object Detection
- Object Recognition
- Motion Analysis
- Scene Reconstruction
- Image Compression
- Augmented Reality

Computer Vision

- Object Detection Demo
- Pedestrian Detection Demo
- Object Recognition Demo

Plan

1. Programming in Python
2. Introduction to common python libraries: numpy, matplotlib, tensorflow, opencv.
3. Machine Learning Basic Concepts
4. Introduction to Computer Vision
5. Introduction to Reinforcement Learning

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A high-angle, dark photograph of three people sitting on a wooden deck. The text "Thanks!" is overlaid in white. The scene is dimly lit, with the wooden planks of the deck creating a strong horizontal pattern. The people are sitting in a circle, and their shadows are cast on the deck. The overall mood is intimate and grateful.

Thanks!