

# A. P. SHAH INSTITUTE OF TECHNOLOGY

Communication Technology

(All Branches NBA Accredited)

## Webinar Topic: - Workshop on OpenCV.

Name of College: - A. P Shah Institute of Technology, Kasarwadavli,

Ghodbunder Road, Thane (Maharashtra)

**Department:** - Information Technology

**Date:** - 26/09/2021

Participants: - 31

Targeted Audience: Students of SE, TE, BE Information Technology

Speaker: -Mr. Varun Yerram

**Mr. Varun Yerram** who is a Research Intern at Chubu University, Japan and Deep Learning Intern at RethinkUX

## Faculty Accompanied: -

- 1.) Prof. Kiran Deshpande
- 2.) Prof. Geetanjali Kalme

#### Aim of webinar: -

Following Topics were Explained by Varun->

- Introduction to Computer Vision
- Understanding Image and colour models
- Basic functionalities of OpenCV
- Drawing and writing texts on image
- Contours Detection and Analysis
- Edge and corner detection
- Face Detection

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## **Some Screenshots:**

# **ABOUT ME**

- Pre-Final Yearite at IIT Guwahati
- Research Intern at Chubu University, Japan
- Deep learning Intern at RethinkUX





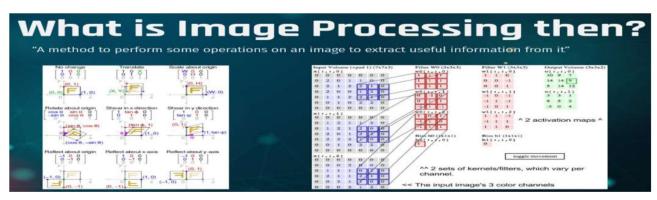
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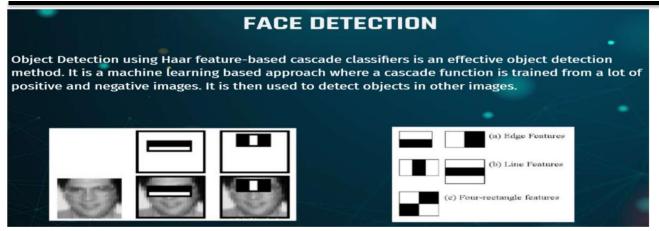






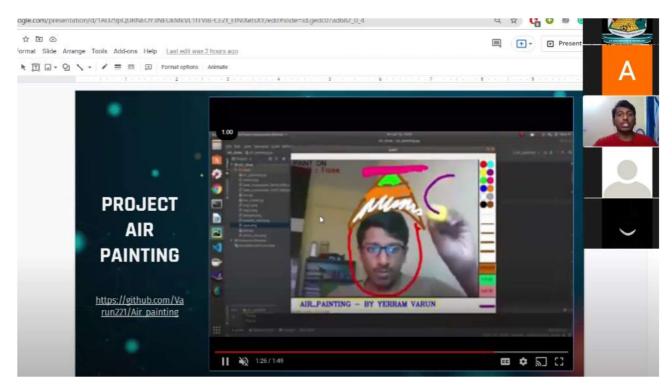
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### After Covering all these topics Varun showcased some of his projects: -1. Project Air Painting

This application allows you to track an object's movement, using which the user can draw on the screen by moving the object around. It also contains a hold feature, in which by showing another object you stop the camera from painting. It is useful in painting disconnected drawings. You can select colours and brush sizes according to your choice, by bringing the object's pointer on the palette.



#### 2. AI SUDOKU Solver

GUI based Smart Sudoku Solver that tries to extract a sudoku puzzle from a photo and solve it

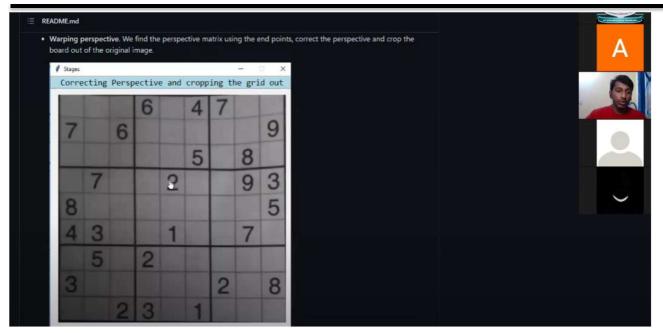


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## **Recording:**

https://www.youtube.com/watch?v=H3shAnnO0zQ