



HOPE Foundation's
**Finolex Academy of Management & Technology,
Ratnagiri**
**Department of Electronics and Telecommunication
Engineering**

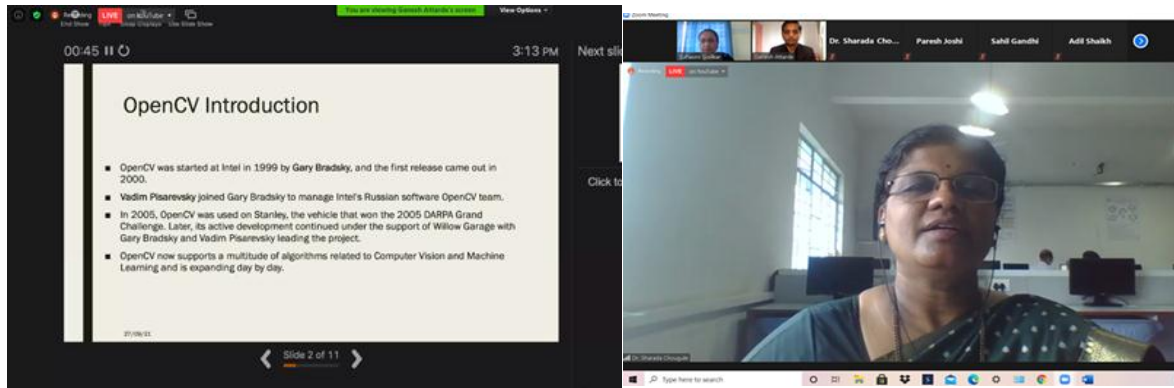
**Online Training Program on
Image and Video processing using OpenCV
Under Center of Excellence in Computer Vision**

With the support and motivation from **Principal Dr Kaushal Prasad**, Finolex Academy of Management and Technology, the Online Training Program on Image and Video Processing Using OpenCV Python was organized under the Center of Excellence in Computer Vision by Electronics and Telecommunication Engineering Department (EXTC) from 27th September to 1st October 2021 from 03.00 p.m. to 05.00 p.m. Open CV Python is one of the most widely used tools for image processing and computer vision tasks. It is used in various applications such as face detection, video capturing, tracking moving objects, object disclosure and nowadays in Covid applications such as face mask detection, and social distancing.

The objective of the online training program was to enhance the practical knowledge and to develop research culture among students in the field of Image and Video Processing using Machine Learning and to provide internships and placement-oriented training to students. In these five days, the training program covered OpenCV introduction, Installation, PyCharm IDE Introduction, Image Read, Image Display, Image Properties, Write an Image, Capture Video from a camera, Playing video from a file, saving a video, Drawing functions line, rectangle, circle, ellipse, polygon, adding text to image Basic Operations on images, Region of interest, Arithmetic Operations on Image, Capture Image from Video for image processing, Setting camera Parameters, Show date and time on video, Object Detection and Object Tracking using HSV Color Space, and Case Studies: Face Detection using Haar Cascade Classifier, Eye Detection using Haar Cascade Classifier, and Object Detection using Yolo classifier covered with practical implementation.

The resource Person **Mr Ganesh Attarde**, Founder and Director GB Softronic Solutions, Nasik; conducted the five days training program. **Prof. S. S. Goilkar**, Faculty coordinator of this training program welcomed the speaker and all participants. **Dr S. V. Chougule**, HOD EXTC Department graced the inaugural program and delivered the keynote address about the Center of Excellence in Computer Vision and also briefed the objectives of the formation of the centre of excellence.

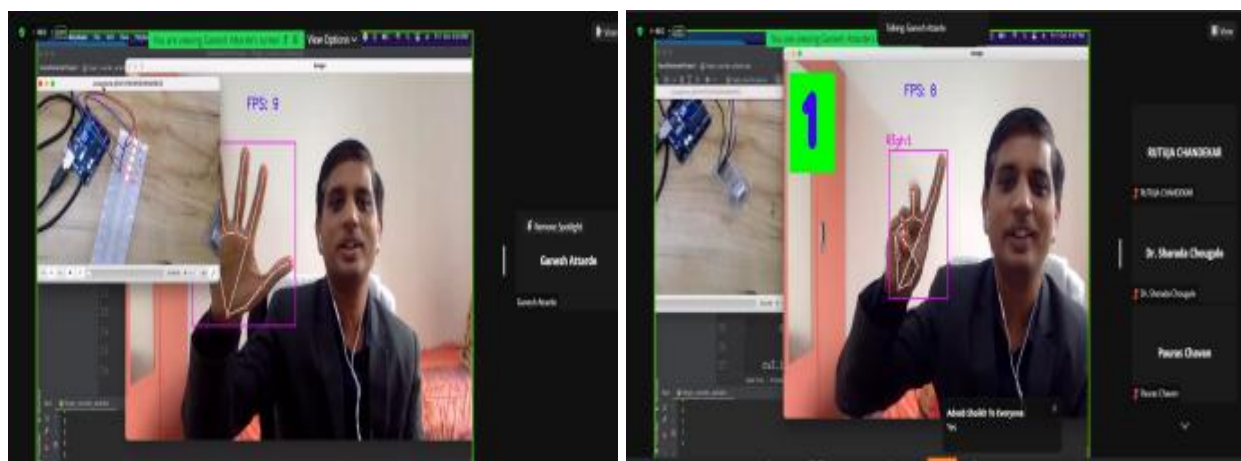
An Online Quiz was conducted at the end of the training program. The training program was coordinated by **Mrs S. S. Goikar**, of EXTC Department, under the guidance of HOD EXTC **Dr S.V. Chougule**. A total of 87 participants from SE to BE actively completed the training program and share their feedback.



Dr Sharada V. Chougule HOD EXTC inaugurating the Training program



Prof. S. S. Goikar, the coordinator of this training program, welcomes the participants



Resource person Mr Ganesh Attarde, demonstrates real-time applications of image and video processing



Valedictory function and vote of thanks