



***Department of Electronics and Telecommunication
Engineering***

**Report on IETE Approved One Week Short Term Training Program on
“Recent Applications using OpenCV & Python Programming Language”
Organized by Electronics and Telecommunication Department**

The objective of the Recent Applications using OpenCV & Python Programming Language training program is to teach the basics of Python programming and basics of how one constructs a program from a series of simple instructions in Python & OpenCV . This STTP provides comprehensive coverage of Python programming and its applications while providing opportunities for Hands-on practical's.

The purpose of this STTP is to bring together researchers & PG students from academia and Engineers & Scientists from industry and R&D institutes to have discussions on the recent advances in OpenCV platform & Python programming.

Topics Covered in STTP on “Recent Applications using OpenCV & Python Programming Language”

- Introduction & basics of Python programing.
- Hands-on practice on applications of Python.
- Exploring OpenCV with Python programing.
- Hands on practice on OpenCV applications.
- GUI using Python.
- Industrial visit to NM Technocrafts (CNC Machines & Industrial Automation).

At the end of STTP participants are able to

- To get familiarized Python Programing.
- After the completion of this course the participants are able to do basic programing in Python language.
- Enhance the basic knowledge of OpenCV platform.
- Participants got the chance to experience industrial automation process & working and manufacturing process of CNC machines at NM Technocrafts.



Late Shri Vishnu Waman Thakur Charitable Trust's

VIVA Institute of Technology

At: Shirgaon, Virar (East), Tal: Vasai, Dist: Palghar-401303, Maharashtra.

Website: www.viva-technology.org



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The University of Mumbai introduced revised curriculum which includes, programing and software simulation in different subjects. As new developments are introducing in industry day by day demanding expertise in the field of software coding and programing language, it was felt necessary that the teaching faculty also become competent in the said technology. With keeping this as an intension the IETE approved STTP was conducted from 25th June to 29th June, 2018 in Electronics and Telecommunication Engineering Department, VIVA Institute of Technology.

Details of the speakers is as under

SN.	Name of the Guest Speaker	Details of the Speaker	Topics Addressed	Date
1	Mr. Dnyaneshwar Babad	Assistant Professor, VIVA Institute of Technology	Introduction to Python & Basics of Python programing Hands on practice on Python programing	25/06/2018
2	Mr. Siddharth Shah	CEO FafadiaTech	Applications of Python & Hands on Practice.	26/06/2018
3	Mr. Kalind Karia & Mr. Vivek L. Sabanwar	Assistant Professor, IIT Bombay	Introduction to OpenCV & exploring OpenCV with Python Programing. Hands on Practice on OpenCV	27/06/2018
4	Mr. Nayan Mistry	Founder and CTO NMtechnocraft, Mumbai.	Industrial Visit to NM Technocrafts	28/06/2018
5	Mr. Dnyaneshwar Babad	Assistant Professor, VIVA Institute of Technology	GUI using Python programing.	29/06/2018

Participants were the teaching faculty of Engineering College. Total of 15 faculty members participated in the One week Short Term Training Program conducted.

On the last day of STTP institute had received the feedbacks from the participants that they have learned and enhanced their knowledge in this STTP and they would always want to



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attend this kind of STTP in this institute once again. The overall feedback of the Training Program was encouraging and was highly rated by the participants.