

SIES Graduate School of Technology

Department of Electronics and Telecommunication

Presents

12 days Hands on Training on Machine learning and image processing using python

15 / 06 / 2020 to 27/06/2020

There is difference between education and knowledge. Education provides learning. While knowledge translates that learning into a career that earns a living. But the truth is, our education system is largely structured around academic learning, leaving the task of turning it into a career to the individual. For the less-privileged though, the only barrier that stands between them and a technocrat is knowledge of practical aspects of technology.

This course is meant to be a hands-on type course, giving students a chance to learn python and its applications in image processing and Machine learning which is considered to be a current trend of technology.

Objectives

- i) Learn about Python language basics
- ii) Learns basics of image processing
- iii) Implement basic image processing using python
- iv) Learn concepts of machine learning
- v) Apply knowledge of python in machine learning

Course Contents

Module 1: Basics of python

Overview of python, python data types, build in data structure, Lists, tuples, dictionaries, string built in methods.

Module 2: Applications in image processing

Histogram of image, splitting color image into RGB, histogram

Equalization, edge detection using simple operators.

Module 3 : Applications in Machine learning

Introduction to machine learning, data manipulation and preprocessing, data visualization, linear and logistic regression, support vector machines, decision tree, classification using KNN

Who Should Attend

Any student from SE to BE (EXTC/IT/CE) - First come first serve

Link for Registration

https://docs.google.com/forms/d/e/1FAIpQLSdxXzeigY01YIZaw0kwexthk1Lcc2kZFzw_5HCkcm5zvDp3fA/viewform?usp=sf_link