राष्ट्रीयइलेक्ट्रॉनिकीएवंसूचनाप्रौद्योगिकीसंस्थान,कालीकट
National Institute of Electronics & Information Technology, Calicut

**Ministry of Electronics and
Information Technology**
Government of India

Online Courses
Prospectus

ISO 9001-2015 Certified

Deep Learning and OpenCV

16th - 20th August 2021
(5 days, 2 hours daily)

Course Description

This is an introduction course on Deep Learning and OpenCV which will enable the students to learn the basic concepts of image processing using OpenCV and development of deep neural network models using python. The course includes live interactive sessions, offline video sessions, assignments and discussion forums.

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Deep Learning and OpenCV

Who can attend?

Anyone who is interested in learning Deep Learning Model Development and image processing using OpenCV.

Course Content

SI No	Topics
1	Introduction to Machine Learning
2	Python Basics and Numpy
3	Machine Learning Tasks - Classification, Regression, Clustering
4	Basic Image processing methods in Open CV Face Recognition, Video Analysis
5	Artificial Neural Networks, Feed forward Neural Networks, Convolutional Neural Networks
6	Model Implementation in Keras and Tensor flow. Image Data Generator and augmentation methods.
7	Recurrent Neural Networks, Transfer Learning

Prerequisite

Knowledge of Programming Language, preferably python.

Fee and important dates

Course Fee	Rs. 1500/- *(Including GST)*
Last date for registration and payment	12th Aug 2021
Sharing of course page link and password	13th Aug 2021

Certificate

Participation Certificate will be issued to all candidates who attend the course.

Minimum Requirements

Attendees must have a computer system with a good internet connection.

Faculty Profile

Qualification and experience of the faculty handling the sessions

- Ms. Vimala Mathew, Scientist/Engineer 'E'
- Mr. Prasoon Kumar KG, Principal Technical Officer

Course Coordinator

Vimala Mathew
Scientist/Engineer 'E'
0495 2287266, 9446732691

For more details

For more details contact itcourses@calicut.nielit.in
9446732691 (from 9.00AM to 5.30PM)

Terms and Conditions

1. *In case any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.*

2. *In case the online course is cancelled /postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.*

For more details about our institution and facilities visit us

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Autonomous Scientific Society of
Ministry of Electronics & Information Technology,
Govt. of India

NIELIT Calicut

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