

Participants:

Faculty from AICTE Institutions / Universities working in related fields are eligible. Participants should bring a letter of nomination from Head of the Institution stating that they are being deputed for the course. The selection is based on first cum first serve basis.

How to apply:

Interested participants can register by using the following link:

Registration Link:

<https://forms.gle/sv9w9nuuJ8Dsnu9y6>

Last Date for Registration: 24.07.2021

Intimation through e-mail: 25.07.2021

NO REGISTRATION FEE

Resource Persons:

Experts from industry and prestigious academic institutions.

For More Information Contact :

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A Five Day Online FDP on MACHINE LEARNING FOR COMPUTER VISION & IMAGE PROCESSING APPLICATIONS

(July 26th to 30th 2021)

Organized by
DEPARTMENT OF
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NARAYANA
ENGINEERING COLLEGE::NELLORE
(AUTONOMOUS)

Narayana Avenue, Muthukur Road, A. K. Nagar,
Nellore-524 004,(A.P), Office: 0861-2313842/43
www.necn.ac.in

About the Institute:

Narayana Engineering College is one of the premier engineering colleges in Andhra Pradesh sponsored by Narayana group of educational institutions. The college was established by Renowned educationist Dr. P. Narayana in 1998 with a vision to impart quality technical education and is affiliated to JNTU, Ananthapuramu, and completed 23 years of existence in technical education. Narayana Engineering College was conferred "Autonomous" status by UGC with effect from Academic Year 2020-21 for a period of ten years. The college is Permanently Affiliated to JNTUA, Ananthapuramu and is Accredited by NAAC with A+ GRADE and awarded "A" grade by Govt. of AP.

Narayana Engineering College is located in India's southern State, Andhra Pradesh. This college is located near to the National Highway (NH-5) Nellore. The nearest airport is Chennai, 3 hours drive away. The college offers B.Tech. Programmes in 5 faculties of Engineering namely, Electronics & Communication, Computer Science, Civil, Mechanical and Electrical & Electronics. The college also offers Post Graduate programmes MCA, MBA. and M.Tech. in VLSI, EPS, & CSE, Our motto is to give the students an excellence in his or her career, our goal is to shape their future in all aspects.

About the Department:

The aim of the department is to produce Electronics & Telecommunication Engineers, who combine academic excellence with practical expertise.

The department of Electronics and Communication Engineering came into existence at Narayana Engineering College in 1998 by the approval of the All India Council for Technical Education (AICTE).

The department has progressed rapidly and is now regarded as one of the premiere departments, with excellent infrastructure and a highly qualified and dedicated faculty.

At present, the department is offering B. Tech (ECE) and M.Tech (VLSI) with total intake of 180 and 18 respectively. The majority of our students have been well placed in many companies through campus interviews and many of our students are pursuing their higher education at various premier institutions like IIT's, NIT's and also in abroad.

The department is involved in teaching and research in diverse aspects of Communications, VLSI design, Embedded Systems, Signal Processing, Image Processing and Neural Networks. Apart from teaching, the faculty members have been vigorously pursuing research and regularly publishing research papers in various national and international journals of repute as well as in prestigious conferences.

About FDP:

Computer vision is the process of understanding digital images and videos using computers. It tries to do what a human brain does with the retinal data that means understanding the scene based on image data.

This involves methods segmentation, recognition and reconstruction (3D) of data from the real world to produce information. Computer Vision employs image Processing and Machine learning as well as some of the other mathematical methods to do the mentioned tasks. However, Image processing, is mainly focused on processing raw images without giving any knowledge feedback on them.

This FDP aims at providing strong theoretical background along with practical experience in the field of Computer Vision & Image Processing and how the visualization and analysis of the images could be efficiently done with the help of image processing tools. This FDP will focus on introducing the broad domain of Machine Learning from the perspective of image Processing & Computer Vision applications.

Key Features:

- > Online lecture sessions by subject experts.
- > Comprehensive tutorials and practice notes.
- > Online lab and training sessions.

Contents to be Covered:

- > Fundamentals of Image Processing and Computer Vision (CV)
- > Traditional approaches in image & CV
- > Introduction to Machine Learning
- > Machine learning applications in image processing
- > Machine learning applications in computer vision