

PARTICIPANTS:

Faculty from AICTE Institutions / Universities working in related fields are eligible. 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/Jz3S4SyH7S3HuTnq9>

REGISTRATION : FREE

Last Date for Registration: 20.02.2022

Intimation through e-mail: 21.02.2022

Resource Persons:

Experts from industry and prestigious academic institutions.

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A Five Day online FDP on APPLICATIONS OF MACHINE LEARNING IN HEALTHCARE TECHNOLOGY

(February 22nd to 26th, 2022)



Organized by
**DEPARTMENT OF
ELECTRONICS & COMMUNICATION
ENGINEERING**



NARAYANA



ENGINEERING COLLEGE::NELLORE

(AUTONOMOUS)

NARAYANA AVENUE, MUTHUKUR ROAD,
NELLORE-524 004, A.P. 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 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, Civil, Mechanical, Computer Science, 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

Machine learning plays a key role in many health-related issues which includes the development of new medical procedures, the handling of patient data and records and the treatment of chronic diseases. Machine learning is finding a wide range of healthcare applications management of prevalent chronic diseases to leveraging patient health data, in conjunction with external influences like pollution exposure and weather factors.

The applications of machine learning developments in healthcare include exploring ways to use the technology in telemedicine. Some of the companies are studying the ability to organize and provide doctors with patient information during a telemedicine session, as well as capturing information during the virtual visit to assist with increased efficiency and workflow.

This FDP aims at providing strong theoretical background along with practical experience in the field of Machine Learning



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for health care technology and it focus on introducing the broad domain of Machine Learning from the perspective of healthcare applications.

KEY FEATURES:

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

CONTENTS TO BE COVERED:

- Health Care Informatics
- Introduction to Machine Learning
- Machine learning applications in Signal and image processing
- Deep Learning Models in Biomedical Applications
- IoT with ML in Biomedical Applications.