DEPARTMENTOFELECTRONICSANDCOMMUNICATIONENGINEERING

A Report of **FDP** on "Applications of Machine Learning in Health Care Technology"

DepartmentofElectronics&CommunicationEngineering,NarayanaEngineeringCollege, Nellore, organized a five day online FDP on **"Applications of Machine Learning in Healthcare Technology" from 22nd to 26th February 2022.** In this FDP, a total of **325 faculty members have participated**. The following members are the resource person for the programme.

1. Dr. SUHAIL PARVAZE
   Research Consultant,
   MRI Post Processing Applications,
   Philips, Bangalore.

2. Mr. PREM KUMAR
   Senior Application Engineer,
   Capricot Technologies Pvt. Ltd.,
   Bangalore.

3. Dr.K. MURALI
   Professor &HOD-ECE,
   Narayana Engineering College, Nellore.

4. Dr. S.V.MAHESH KUMAR
   Associate Professor& Head – ECE,
   Amrita College of Engineering and Technology,
   Nagercoil, Tamilnadu.

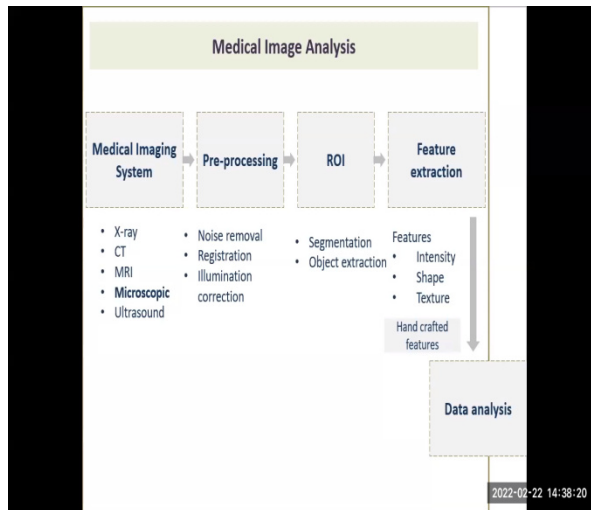*Dr. K. Murali, Professor &HOD of ECE Welcome the participants*

Dr. G. Srinivasulu Reddy, Principaladdressing the participants

The inaugural function of the FDP started with a welcome address by Dr. K Murali, HOD-ECE and he presented the theme of the FDP and said that Machine learning plays a key role in many health-related issueswhich includes the development of new medical procedures, the handlingof patient data and records and the treatment of chronic diseases.Machine learning is finding a wide range of healthcare

applications, ranging from case management of prevalent chronic diseases to leveraging patient health data, in conjunction with external influences like pollution exposure and weather factors.

Later, the Principal of NECN addressed the staff members and said that FDPs will help for the growth of the faculty in all facets of their professional lives. FDPs will provide resources which will help the faculty to develop as scholars, to publish and share at professional conferences, and to improve their performance in the classroom.

Dr. Suhail Parvez, explaining the Medical Image Analysis

M*r. Prem Kumar, explaining the concept Image Analysis using MATLAB*
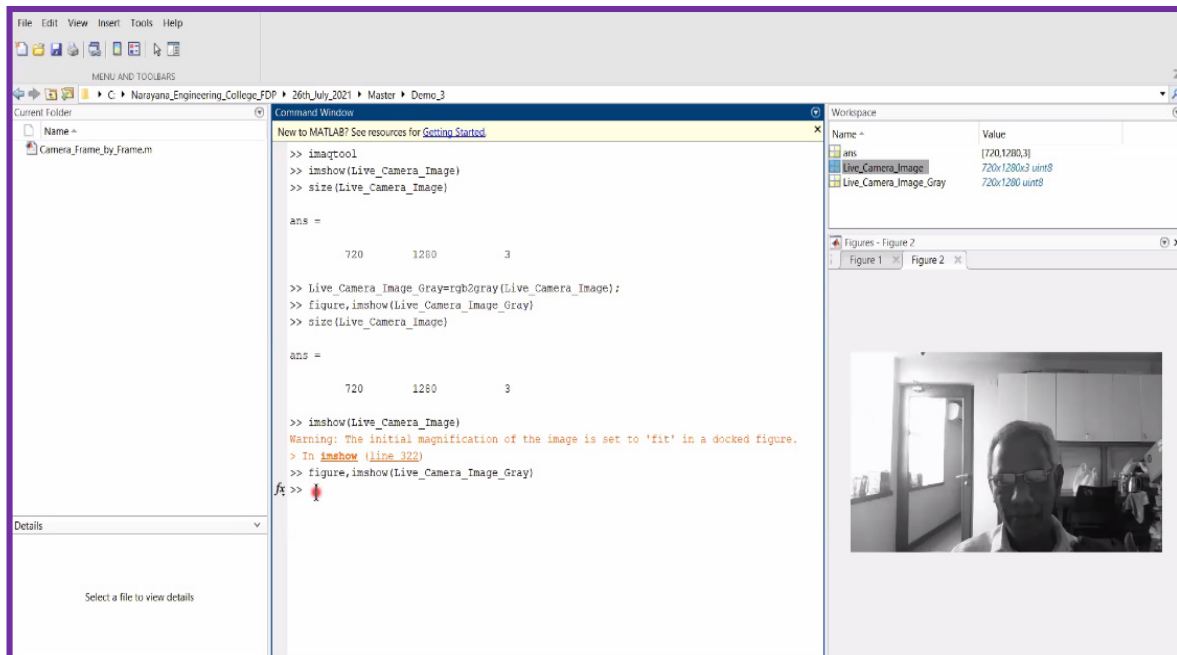
Resource Person explaining about image processing commands in MATLAB

Dr, K. Murali, Professor, NECN, addressed the aapplications of machine learning developments in healthcare technology include exploring ways to use the technology in telemedicine.

Dr. K. Murali explaining about the Medical Informatics

Dr. S. V. MAHESH KUMAR explaining about the Machine Learning in Biomedical Engineering

Expected outcomes:

- Opens new avenues for faculty members to pursue research in Applications of Machine Learning in Healthcare Technology

- Provides detailed knowledge of Deep Learning and Medical Informatics.

- Shows the importanceofMachineLearningSystemsintoday'strendsoflife.