One Week Online Faculty Development Programme (FDP)

on

DEEP LEARNING & AI BASED HEALTHCARE SYSTEMS

during

18.12.2023 to 24.12.2023

Organized by

Department of Electronics and Communication Engineering

Coimbatore Institute of Technology
Coimbatore–641014

Phone:0422-2574071,2574072
Fax: 04222575020

Webpage:www.cit.edu.in

Chief Patrons
Shri. S. Rajiv Rangasami
Correspondent
CIT Institutions

Mrs. K. DivyaMohana Rajiv
Coordinator
CIT Institutions

Patron
Dr. R. Prabhakar
Secretary, CIT Institutions

Co-Patron
Dr. V. Selladurai
Advisor, CIT Institutions

Organizing Committee
Dr. A. Rajeswari
Principal, Coimbatore Institute of Technology

Dr. S.Uma Maheshwari
Professor & Head – Department of ECE
Coimbatore Institute of Technology

FDP Coordinators:
Dr. B.Bhuvaneshwari
Assistant Professor, Department of ECE
Coimbatore Institute of Technology

Ms.V.Gowri Priyaa
Assistant Professor, Department of ECE
Coimbatore Institute of Technology

ABOUT THE INSTITUTION

V. Rangasamy Naidu Educational Trust devoted to the cause of promoting Technical and Scientific Literacy, established Coimbatore Institute of Technology (CIT) in 1956. CIT is one of the most reputed and prestigious educational institutions in South India. The Institute endorsed by world class research and development attained autonomous status in 1987 and is affiliated to Anna University, Chennai. The Institute features strong Academic-Industrial Interaction and a high quality of research and consultancy. CIT, managed by a pedigreed lineage for the past 60 years, enjoys international repute. The Institute has the services of competent qualified faculty, and visionary management to enhance the quality of education at all levels and maintain its position in emerging global scenario.

ABOUT THE DEPARTMENT

The department of Electronics & Communication Engineering was established in the year 1968. It is very well equipped with highly commendable facilities and is effectively guided by a set of devoted and diligent staff members. The department offers Under Graduate programme in ECE. The Department has also successfully completed many projects with grants received from various funding agencies.

ABOUT THE COURSE

The objective of the Faculty Development Program (FDP) is to empower educators with the knowledge and skills essential for seamlessly integrating cutting-edge technologies into healthcare education. This specialized program places a spotlight on deep learning and artificial intelligence (AI), offering participants a comprehensive exploration of the transformative impact these advancements have on healthcare systems.

Participants will gain practical insights and hands-on experience in effectively leveraging AI tools for various aspects of healthcare. This FDP is uniquely designed to bridge the gap between theoretical understanding and practical application. Faculty members will not only acquire in-depth knowledge about the theoretical foundations of deep learning and AI in healthcare but will also have the opportunity to apply this knowledge in real-world scenarios through practical exercises and workshops. Lectures will be delivered by experts with extensive experience in both academia and industry.

COURSE CONTENTS

- Introduction to Healthcare Informatics and AI
- Fundamentals of Deep Learning
- Medical Image Analysis with Deep Learning
- Natural Language Processing (NLP) in Healthcare
- AI-driven Drug Discovery and Development
- Healthcare Robotics and IoT Applications
- Ethical and Regulatory Considerations in AI Healthcare
- Future Trends and Research Directions

ELIGIBILITY

This FDP is open to all Research scholars, Post-graduate students & Faculty members working in relevant area of discipline in AICTE approved institutions (Engineering Colleges, Polytechnic Colleges) and Industry Professionals.

CERTIFICATION

- Selection will be based on first come first served basis.
- E-Certificate will be issued to all attending participants. Submission of feedback is mandatory.

General Instructions for participants

- ✓ Join every session **5 minutes** before the scheduled timing.
- ✓ All participants should ensure **their active participation** in all sessions.
- ✓ **90 % Attendance** is compulsory, and all sessions will be recorded on Google meet.
- ✓ Programme schedule and other details will be shared to the selected participants attending the FDP.

Address for correspondence:

Dr.B.Bhuvaneshwari
MobileNo:9080034566

Ms.V.Gowri Priyaa
MobileNo:9884965488

Email: citecefdp@cit.edu.in

DEEP LEARNING & AI BASED HEALTHCARE SYSTEMS

REGISTRATION FORM

Participants interested to attend this program should register online in the below mentioned link.
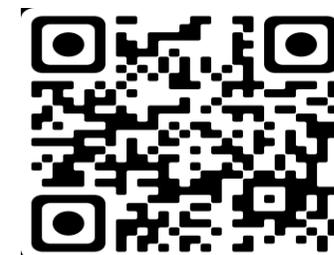
Registration Fee:

Research scholars/students - Free
Academicians/Industry Professionals: **Rs.200**

- **Last date for Registration: 15.12.2023**
- **Date of intimation of Selection: 16.12.2023**

Registration Fee Payment Details:

Account Name: TRAINING AND CONSULTANCY
Bank: Indian Bank
Account Number: 6717786188
Branch: Peelamedu
IIFSC Code: IDIB000S107

Scan QR Code

Link for Registration:
https://forms.gle/XMQxrHAJA8K1jLJh8