Five Days Faculty Development Programme (FDP)

On

"Artificial Intelligence in Healthcare Applications"

20th May 2024 – 24th May 2024

ABOUT THE INSTITUTE:

Maulana Azad national Institute of Technology, Bhopal is an Institute of national repute. Formerly, it was known as Maulana Azad College of Technology (MACT), which was one of the first eight Regional Engineering Colleges of India. The Govt. of India and Govt. of Madhya Pradesh jointly sponsored the Institute in 1960 to attract bright young students from across the country. Presently, along with about 200 faculties and 4000 students, the Institute is successfully meeting the objective of producing skilled manpower of the highest quality to cope up with challenges of ever evolving industrial needs of the country. For details visit at www.manit.ac.in.

COURSE OBJECTIVE:

This faculty development programmer aims to provide opportunities for teachers and Research Scholars from various Engineering Colleges to enhance their knowledge in the area of AI and machine learning. AI is influencing the future of almost every sector and every person on the planet. It has acted as the driving force behind developing technologies for health care such as wearable devices, IoT based medical devices, and computer aided diagnosis. Experts cover the wide range of theoretical basics of AI and practical utility to improve health care applications .

ELIGIBILITY

The FDP is aimed at the multi-facet audience from industry, faculty and Research Scholars, from academic institutes

Important Dates

Last date (Online Registration):05/05/2024
Selection list by E-mail:10/05/2024

INSTRUCTIONS:

- Participant will be selected on first come first basis.
- Total number of seats for participants for the program is 50.
- Registration Fee: 3000/-for all participants:

Fee can be deposited in MANIT account electronically (e.g. by UPI)/ by cheque / by DD in favour of
Director MANIT.
ACCOUNT NO. - 10020150107
IFSC - SBIN0001608

- Registration Fee include five working lunch, tea , registration kit , certificate and learning materials.
- No accommodation will be provided by the institute.

TOPICS TO BE COVERED:

- **Introduction to AI in healthcare Challenges**
- **Predictive Analytics in Healthcare**
- **Anomaly Detection Medical Image De-noising**
- **Quality Assessment of Medical Data**
- **Deep Learning for Classification and Segmentation Mental and Emotional Intelligence**
- **AI for wearable device**
- **Neural network and their involvement in Deep Learning**
- **Medical Image processing based classifier using deep learning project**
- **Hand on session: Data acquisitions from Medical devices using MATLAB and Python**

RESOURCE PERSON:

Resource Persons from CFTIs like IITs , NITs, Industry within India as well as abroad with rich experience in Teaching, Research and Laboratory development will be handling the sessions.

Chief Patron

Dr. K. K. Shukla, Director, MANIT Bhopal.

Patron

Dr. R. N. Yadav, Head of Department, ECE, MANIT, Bhopal.

Coordinators

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Google Form:

https://forms.gle/HgziXkimZbezp42i8

Organized By

Department of Electronics and Communication Engineering, Maulana Azad National Institute of Technology Bhopal-462003, Madhya Pradesh, India

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Registration Form

- Full Name : ----------
- Designation :----------
- Affiliation :----------
- Whatsapp No. : ----------
- Email :----------
- Highest Qualification:----------
- Fee payment Transaction/UTR No with date of payment (Amount ₹3000/-):
- Transaction/UTR No. ----------
- Date of Payment ----------

Date Signature of Applicant in blue ink

Google Form: https://forms.gle/HgziXkimZbezp42i8

Fill the registration form by taking a printout of this form. Properly scan it. It will be required to submit with goggle form attachments.

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