AICTE Sponsored
One Week - Online
Faculty Development Program
(FDP)
on
Machine Learning Frontiers
in Healthcare (MLFH-2021)

26-30 July, 2021

Organised by
Department of Computer Science and Engineering

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

(An autonomous Institute under the aegis of Ministry of Ediction, Govt. of India)
Sector A-7, Institutional Area Narela, Delhi-110040, INDIA
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Introduction

Machine Learning Frontiers in Healthcare (MLFH-2021) is the impetus behind the transformation in business processes on every sector of the economy. The emerging areas covered are big data technologies, data science, object/web technologies, information science, Internet of Things, medical informatics, mobile computing especially in healthcare domain. Advances in Information Systems has a wide range of applications, from design optimization and behavior modelling to vision-based surveillance, assistive robotics, autonomous systems and advanced manufacturing.

This Faculty Development Programme (FDP) will provide a platform to present and discuss the techniques and the latest developments in the area of ISF with their applications in healthcare.

COURSE OBJECTIVES

❖ This course is designed to provide an exposure to the fundamentals of Machine Learning Techniques for Healthcare analysis

❖ To understand the ability of a computer to learn a specific task from data or experimental observation for healthcare domain

❖ To provide the up-to-date technologies in machine Learning field for gait analysis.

COURSE Content

The program is focused to discuss various aspects of computational intelligence. Following are the topics to be covered in this program:

❖ Health Care Informatics

❖ Grid and Cloud Computing in Healthcare

❖ Deep Learning in Medical Applications

❖ Blockchain and Healthcare

❖ Mobile Computing Systems in Healthcare

❖ IoT integration with ML in HealthCare

❖ Streaming Data Analytics in Health

❖ Distributed Computing in healthcare

❖ Standards for Semantics in Healthcare

❖ Reinforcement Learning for the pose estimation

❖ Hands-on: R/Python/MATLAB

RESOURCE PERSONS:

Eminent academicians from IITs, NIT's, and Industry experts will deliver the sessions with practical demonstrations.

WHO CAN ATTEND

❖ Program is open to all faculty members, practitioners and researchers; PG/Doctoral Students for AICTE affiliated institutes.

❖ Maximum 200 participants will be allowed as per AICTE norms. So please register soon.

❖ No TA/DA will be paid to the participants.

ABOUT NIT Delhi

National Institute of Technology Delhi (NITD) is one of the thirty NIT (s) established in the year 2010 by an act of parliament and has been declared as an Institute of National importance. NIT Delhi is an autonomous Institute which functions under the aegis of Ministry of Human Resource Development, Government of India. It aims to provide instructions and research facilities in various disciplines of Engineering, Science and Technology, Management, Social Sciences and Humanities for advance learning and dissemination of knowledge. At present, in addition to research, consultancy and developmental activities, the Institute offers UG and PG (M. Tech. & Ph.D.) level courses to about 1000 students in almost different fields of engineering, technology.

ABOUT DEPARTMENT

The Computer Science and Engineering Department was started in 2010 along with the foundation of NIT Delhi. Initially, only B.Tech Programme was offered with the intake 30 which presently has been increased to 60. Now, the department also offers M.Tech and Ph.D programmes.

The department has well qualified and experienced faculty members in areas like Artificial Intelligence and Machine Learning, Algorithms, Computer Networks, Software Development, Computer Vision and Cryptography, Information Security, Data Analytics, Complex Networks, Wireless Sensor Networks etc.

The faculty and students participate in interdisciplinary research. The department has all the facilities to carry out the related teaching and research work.

ATAL, AICTE

ATAL is committed for development of quality technical education in the country by initiation various schemes.

PATRON

Dr. Satish Kumar
Director, NIT Delhi

PROGRAM COORDINATOR

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Registration Link

Participants are required to register at:
https://atalacademy.aicte-india.org/login

Step 1. Register as a participant → Fill your details.

Step 2. Select workshop: Select State →Delhi,
   Select Month→ July, Select Thrust
   Area→ Thrust Areas (Engineering),
   Select mode → Online

Step 3. Institute → National Institute of Technology Delhi

Step 4. Register with the FDP no: 1614924685: " Machine Learning Frontiers in Healthcare "

REGISTRATION CHARGES and Certificates

- There are no registration charges to attend the program. i.e. it is FREE for selected participants.
- On completion of the programme the participants will be awarded, a certificate of participation by ATAL Academy.
- The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

VENUE

Delhi is well connected by road, rail and air services. NIT Delhi is situated in Narela and is about 30 kms from Main-railway station/Central Bus Stand (ISBT Kashmari Gate) of New Delhi and 40 km away from the Airport.
This FDP is online. Confirmation of participation will be send through email on or before 14th July 2021.

ADDRESS FOR COMMUNICATION

For any information, please write to

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