Self Financed Short Term Course

On

Machine Learning and Its Applications

(MLA-2017)

From: 10th July- 14th July, 2017

Organized by

**Department of Computer Science & Engineering
Motilal Nehru National Institute of Technology
Allahabad
Allahabad-211004, Uttar Pradesh, India**

THE INSTITUTE

Motilal Nehru National Institute of Technology Allahabad is a premier National Institute of Technology (NIT) in India. It is committed to achieve quality and excellence in academic pursuits. Established in 1961, as a Regional Engineering College, a joint enterprise of Government of India (GOI) and Government of Uttar Pradesh, the institute was transformed into NIT on June 26, 2002. With the enactment of NIT Act-2007, the Institute has been granted the status of institution of national importance w.e.f. August 15, 2007.

The Institute offers various undergraduate and postgraduate programmes such as B.Tech., M.Tech., MCA, MBA, M.Sc., M.S.W and Ph.D. It has been recognized by GOI as one of the Quality Improvement Programme (QIP) centre for M.Tech. and Ph.D. programs.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

For the first time in India under graduate course in Computer Science and Engineering was offered in 1977 under Electrical Engineering Department with a modest strength of 10 students. The department came into its independent existence on February 6, 1996. The Department of Computer Science & Engineering offers courses leading to a Bachelor of Technology in Computer Science & Engineering and Bachelor of Technology in Information Technology. It also offers a Master of Technology in Computer Science & Engineering, Master of Technology in Software Engineering, Master of Technology in Information Security, and Master of Computer Application (M.C.A.). Further, the department also enrolls candidates for Ph.D. program.

ALLAHABAD

The city of Allahabad is among the largest cities of Uttar Pradesh. It is situated at the confluence of three rivers- Ganga, Yamuna and the mythological Saraswati. The sacred meeting point is known as Sangam. The city also known as PRAYAG has many governmental institutions which include Allahabad University, HRI, IIIT Allahabad, High Court of UP, AGUP, CDA Pension, State Government education board and various tourist places like Anand Bhawan, Khusroo Bagh, Chandra Shekhar Park.

COMMITTEE

ORGANIZING COMITTEE

Patron
Prof. Rajeev Tripathi, Director, MNNIT Allahabad

Chairman
Prof. Neeraj Tyagi Head, C.S.E.D

Course Coordinators
Prof. M. M. Gore, Department of C.S.E.
Dr. Pragya Dwivedi, Department of C.S.E.

Student Coordinators
1. Mr. Vijay Dwivedi , Department of C.S.E.
2. Mr. Abdul Aleem, Department of C.S.E.
3. Mr.Ashish Sahu, Department of C.S.E.
4. Mr.Prince Rajpoot, Department of C.S.E.

ADVISORY COMMITTEE
- Prof. Suneeta Agarwal, MNNIT Allahabad
- Prof.R. S.Yadav, MNNIT Allahabad
- Prof K K. Bharadwaj, JNU, New Delhi
- Prof G C Nandi, IIIT, Allahabad
- Prof. Poonam Bedi, Delhi University
- Dr. D. S. Kushwaha,, MNNIT Allahabad
- Dr. D. K. Yadav, MNNIT Allahabad
- Dr. A. K. Singh, M.NNIT Allahabad
- Dr. Mayank Pandey, MNNIT Allahabad
- Dr. Anoj Kumar, MNNIT Allahabad
- Dr. Kapil Gupta, NIT Kurukshetra
- Dr. Vibhor Kant, LNMIIT, Jaipur

ADDRESS FOR COMMUNICATION

Co-ordinator MLA-2017
Department of Computer Science and Engineering
Motilal Nehru National Institute of Technology Allahabad
Allahabad-211004
E-mail: stcmla2017@gmail.com
For any further information / assistance you may contact following student co-ordinators:
Mr.Ashish Sahu: 09506347438
Mr. Prince Rajpoot: 09670902128

INTRODUCTION

Machine learning is concerned with the study of computer algorithms that optimize their performance through the learning. The learning becomes better with time using experience. The capability of learning is related to most of the aspects of intelligence. The same has been established as a major component for many software systems. Many automated computer programs have been invented to **create** spam filters, **optimize** energy costs based on particular usage pattern, **analyze** customer behavior based on transactional data or **provide** useful information to users based on their preferences. This course is aimed to have an extensive discussion on the most of the fundamental learning algorithms and their applications.

TOPICS TO BE COVERED

- Supervised learning methods
- Unsupervised learning methods
- Reinforcement learning methods
- Dimensionality reduction methods
- Instance based learning methods
- Heuristic search
- Application case studies

WHO SHOULD ATTEND

The audience will include students enrolled in B.Tech and M.Tech program, PhD scholars, Faculties and Industry Personnel who are interested in Machine Learning. This course will be of value to students, researchers, faculty as well as Industry Executives.

RESOURCE PERSONS

From Various IITs, NITs, and IT Industry and other eminent institutions.

IMPORTANT DATES

Receipt of Registration form along-with Fee details on 25-06-2017

Selection Notification on 30-06-2017

Course Commences on 10th July

REGISTRATION

To register for this course the applicants will have to pay fees in advance as per the following details

Category	Fees (Rs.)
Industry Personnel	**5000/-**
Faculty	**4000/-**
Research Scholars/ M.Tech students	**3000/-**
B.Tech Students	**2000/-**

MODE OF PAYMENT:

Participants can make payment by depositing the registration fee through online payment mode: NEFT/IMPS etc. in Account No.718400301000256 **(MLA-2017)** of Vijaya Bank MNNIT Allahabad (Branch Code: 007184; MICR Code: 211029004; IFSC Code: VIJB0007184).

The lodging and boarding arrangements for candidates from outside Allahabad can be made on request for limited number of accommodations. The charges of lodging and boarding are separate from the registration fee.

The participants can download Registration Form available on the MNNIT Allahabad web site or otherwise can use the registration form available of this pamphlet. Completed registration form along with online payment details (copy of Payment Response page) should send through **E-mail (stcmla2017@gmail.com)** on or before June 25, 2017. The selected applicants will be intimated by E-mail on or before June 30, 2017.

Department of Computer Science and Engineering, Motilal Nehru National Institute of Technology Allahabad Allahabad-211004

REGISTRATION FORM
Short Term Course on
Machine Learning and Its Applications
(MLA-2017)
Date: 10th July- 14th July, 2017

Name (in Block Letters) _____

_____

Date of Birth _____ Sex: Male/Female

Highest Qualification:_____

Organization: _____AICTE Approved
Yes/No

Designation (Faculty / Research Scholar / Student / Industry Personnel)

Experience: _____ Years ____Months

Correspondence Address:

_____

_____City:_____Pincode:_____

_Phone _____

E-mail _____

Accommodation needed   Yes/No

PAYMENT DETAILS:

Online payment

Transaction ID (NEFT)_____

Date of Transaction_____

Amount: _____

(Signature of Applicant)