

**One Week TEQIP-III
Sponsored
Short Term Training Program (STTP) on
Machine Learning Tools And Techniques(MLTT)”**

**From
November 10th to November 14th 2017**

Registration

(Online Registration: <https://goo.gl/kz2hNq>)

Name:

Designation:

Organization:

Qualification:

Correspondence Address:

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Tel. (O) (R)

(M)

E-Mail:

Registration Fee is paid in the form of Cash/DD

Amount.....

No.....Date

Name of the Bank.....

Accommodation Required: Yes / No

Date:

Place:

Signature

Note:

- Demand draft should be made in favour of “Director, National Institute of Technology Raipur”, payable at SBI GCET (IFS Code:SBIN0002852), Branch Raipur(CG).
- Original/Scan copy of DD along with the registration form must reach to the coordinators on or before 28th September 2017
- PDF copy of registration form can be downloaded from the institute website: www.nitr.ac.in/conference.php

Patron

Prof. A M Rawani
Director, NIT Raipur

Co-Patron

Dr. S. Sanyal
Dean (R&C), NIT Raipur

Convener

Dr. Dilip Singh Sisodia(HOD)
Deptt. of Computer Sc. & Engineering

Coordinators

Dr. N K Nagwani
Dr. Pradeep Singh

Organizing Committee Members

Dr. Aakanksha Sharaff
Dr. Manu Vardhan
Dr. Sarsij Tripathi
Ms. Veena Anand

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**One Week
Self Financed
Short Term Training Program**

**On
Machine Learning Tools And Techniques(MLTT)
From**

November 10th to November 14th 2017

Coordinators

Dr. N K Nagwani
Dr. Pradeep Singh



Organized by

**Department of Computer Sc. & Engineering
National Institute of Technology Raipur
G.E. Road, Raipur-492010, Chhattisgarh, India
www.nitr.ac.in**

About the Institute



National Institute of Technology Raipur situated in the capital of Chhattisgarh, has proven to be "avant-garde" in the field of science and technology over past few decades in this region. With sweet memory of foundation ceremony by our president Hon'ble Dr. Rajendra Prasad on 14th September 1956. The institute started with two departments namely Metallurgical and Mining Engineering. Later the inauguration of the Institute building was done by our Prime Minister Hon'ble Pt. Jawahar Lal Nehru on 14th March 1963. From 1st December 2005, the institute has become the National Institute of Technology. It is well connected with Mumbai, Delhi and all metro cities by regular flights and is on the main Howrah-Mumbai railway route. The institute is 5

About Department

The Department of Computer Sci. & Engineering was established in the year 2000. Currently, the Department offers B. Tech with an intake of 90 and Ph. D. programmes in of Computer Sci. & Engineering. At present, the department has eight faculties. The department has carried out active research in different fields of computer science and engineering.

Objective

The Short term course is proposed to give an exposure to students and researcher to understand the concept of Machine learning techniques(MLT) and their implementation for solving various real time problems. An entire session will be available for participants to discuss individual problems with the session experts. By the end of the program they will be able to understand the basics of Machine Learning, Intelligent Techniques, its real time implementation on Python/R/Matlab, how to use this on processing and analysis of data with different approaches.

The event is aimed at imparting knowledge and training on the basic fundamentals of Machine learning and its application in Science and Engineering. Expert lectures will be delivered by faculty and scientists from academia and industries. This program will be beneficial to students at undergraduate level, post graduate level, research scholars and young researchers who intend to practice/begin research processing and

Selection

The course coordinators reserve the right of selection of participants. The preference will be given to the participants from outside the institute (NIT Raipur) intimation regarding selection will be sent to the candidates via email as per the schedule. Certificates will be issued to the participant's only after attending the complete course. No TA/DA will be paid to the participants. However paid accommodation may be provided to outside candidates at the institute hostels, provided request for the same is made in the registration form, well in advance.

Topics to be covered

By keeping this in mind, we have proposed the following topics to be discussed during the short term programme. Experts from NIT will be delivering the lectures.

Foundations Of Learning:

Components of learning , learning models.

Supervised Learning:

Naïve Bayes, Decision Trees, Regression Trees, Pruning, Neural Networks, Feed-forward Network Functions, Back- propagation, Support vector machines, Ensemble methods, Bagging etc.

Unsupervised Learning:

- k-means,
- Hierarchical clustering,
- DBSCAN etc.

Reinforcement Learning,

Transfer Learning, Genetic Algorithms

Applications of Machine Learning Techniques in

- Text mining
- Software Engineering
- Social Network Mining
- Bioinformatics
- Hands on experience using Machine Learning tools using R/MATLAB/Python

Registration Fee Details (in INR):

Participants	Amount (in Rs)
UG/ Internal participants of NIT Raipur	500
PG/Ph.D Scholar	750
Faculty	1000
Industry Delegates	15000

Application in the prescribed format with registration fee in the form of Demand Draft drawn in favor of "Director, NIT Raipur" must reach the coordinator on or before 8th Nov, 2017. Registration fee includes registration kit and tea during the program. Fee is non-refundable. Selected candidate will be informed by email as per the schedule.

Important Dates

Last date of receipt of application: 08.10.2017

Notification of selection by email: 09.10.2017.