

3rd STTP on
“MACHINE LEARNING”
(Self-Sponsored)

29th Oct – 02nd Nov, 2018

REGISTRATION FORM FORMAT

(Please use separately attached Registration form for sending the application)

Name:

Gender.....

Date of Birth.....

Designation:

Organization:

Qualification:

Correspondence Address:

.....

.....

Tel(M)

Type of participation:.....

E-Mail:

Amount

No.....Date

Name of the Bank.....

Date: Place:

Signature

Note:

- The detail for online bank-transfer/DD is attached with the registration form.

Chief-Patron

Prof. A. M. Rawani

Director, NIT Raipur

Patron

Prof. (Mrs.) S. Gupta

Dean (R&C), NIT Raipur

Chairman

Prof. S. Verma

Dean (AA), NIT Raipur

Convener

Dr. B. Acharya

(HoD and Asst. Prof.), Dept. of E&TC

Coordinator

Dr. R. K. Chaurasiya

Asst. Prof., NIT Raipur

Address for Correspondence

Dr. R. K. Chaurasiya (Asst. Prof.)

(Electronics and Telecommunication)

Email: rkchaurasiya@nitrr.ac.in

Contact No. +91 9165 97 1639

3rd STTP on
“MACHINE LEARNING”
(Self-Sponsored)

29th Oct – 02nd Nov, 2018



Organized by

**Dept. of Electronics and
Telecommunication Engineering**



**National Institute of Technology
Raipur-492 010 (India)**

About the Institute:

National Institute of Technology Raipur situated in the capital of Chhattisgarh, has proven to be 'avant-grade' 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 km from the Raipur railways station and 18 km from airport on NH-6, the Great Eastern Road.

About Departments:

The **Dept. of Electronics and Telecommunication** came into existence in 1985. The department aims to be national leaders in imparting quality education, carrying out research and technology development. The department provides an outstanding research environment and offers academic program leading to the award of B. Tech, M Tech and Ph.D. degrees.

Venue:

NIT Raipur (CG) – 492 010, INDIA

Objectives:

Machine Learning (ML) plays a significant role in the modern engineering and information processing systems. It is a rapidly growing field.

Machine Learning is an essential part of pattern recognition, object detection and classification, clustering, data mining and speech recognition etc.

The aim of this STTP is to provide an exposure to both basics and recent advances in Machine Learning to the teaching and research community associated with the departments of Electronics, Electrical, Computer Science, IT, MCA, Bio Medical etc. The trainings will cover pattern recognition and data mining fields specifically.

Speakers:

Expert lectures will be delivered by the faculties of the various branches from the institute. Invited experts from industry will also share their experience with the participants. Hands-on sessions are suitably designed to supplement classroom discussions using Matlab and WEKA software.

Eligibility:

Participation in this short term training program (STTP) is open to the under-graduate students, post-graduate students, faculty members, engineers, researchers, and other executives working on diverse fields in electronics engineering, computer engineering, electrical engineering, instrumentation engineering, biomedical engineering, biotechnology, mechanical engineering, etc.

Selection:

The seats are limited to 30 candidates. The preference will be given to the participants on first-come, first-served basis. Intimation regarding selection will be sent to the candidates by email as per the schedule. Certificates will be issued to the participants only after attending the complete course. No TA/DA will be paid to the participants. Accommodation to needy candidates may be provided on payment basis in Institute Hostels (Subjected to availability-Please call or email to coordinator regarding this). snacks and tea will be provided during the session breaks.

Topics to be covered:

- Introduction to Machine Learning (ML).
- Hand-on training on Matlab and its basic toolboxes.
- Types of classification, supervised and un-supervised learning.
- Statistical pattern recognition techniques-SVM, KNN, Naïve Bayes classifier etc.
- Dimensionality reduction techniques-PCA, LDA etc.
- Clustering.
- Optimization techniques (PSO, GA, LJ Optimization etc.).
- Applications of ML.
- Applications of ML and Optimization in pattern recognition.
- Hands-on training on applications of ML algorithms.

Important Dates

- Last date of receipt of application: **26.10.2018**
- Notification of selection on or before (by Email): on or before: **27.10.2018**

Registration Fee Details (in INR):

Sl. No	Participants	Reg. Fee
1.	UG Students	500.00
2.	PG/PhD Students	1,000.00
3.	Faculty/ Industry Delegates	3,000.00

Scanned or Hard copy of Application form in the prescribed format with registration fee in the form online-transfer/DD/cash must reach the coordinator (Dr. R. K. Chaurasiya) on or before **26th Oct, 2018**. The details for fees transfer are given with registration form. Registration fee includes registration kit, and tea & snacks. Fee is non-refundable for selected candidates. **On the spot registration will be allowed only if some seats are vacant after the regular registration.**

3rd STTP on Machine Learning (Self-Sponsored)

29th Oct – 02nd Nov, 2018

REGISTRATION FORM

Paste a recent
color photograph
here

Name:

Gender:.....Date of Birth:.....

Designation:

Organization:

Qualification/Currently studying in (Branch and Semester):

Correspondence Address:

.....

Tel. (M) E-Mail:

Fee Type: (Please tick on appropriate-box)

UG Student	☐	PG/PhD Student	☐	Faculty/ Industry Delegates	☐	Participant of NIT Raipur	☐
------------	--------------------------	----------------	--------------------------	-----------------------------	--------------------------	---------------------------	--------------------------

Mode of Fee Payment (Please tick on appropriate-box)

Online Transfer	☐	Demand Draft	☐	Cash Payment	☐
--------------------	--------------------------	-----------------	--------------------------	-----------------	--------------------------

Online Transfer/DD Detail:

Amount:..... Ref. Number/DD Number:.....Date:.....

Name of the Bank.....

(Please attach a proof of online transfer/original DD with this form)

Date:

Place:

Signature

Note: Scanned or Hard copy of this registration-form along with Online Payment Proof or Original DD must reach to the coordinator (**Dr R K Chaurasiya, email id: rkchaurasiya@nitrr.ac.in**) on or before **26th Oct, 2018**. The methods for different modes of transfer are given on the next page.

3rd STTP on Machine Learning (Self-Sponsored)

30th July – 03rd August, 2018

Different Modes of Fee Transfer

Details of Registration fee

Sl. No	Participants	Reg. Fee
1.	UG Students	500.00
2.	PG/PhD Students	1,000.00
3.	Faculty/ Industry Delegates	3,000.00

1. Online-Transfer Mode:

Transfer to the Following Account:

Bank Name and Branch: State-Bank of India, GCET Branch-Raipur.

Account No: 30054181310.

Account Name: Director NIT Raipur.

Bank Branch Code: 02852, IFSC Code: SBIN0002852

2. Demand Draft (DD) Mode:

Demand draft should be made in favour of **Director, NIT Raipur**, payable at **Raipur**.

3. Cash Payment:

The registration fee along with the hard copy of registration form may be paid in cash to the course coordinator Dr R K Chaurasiya.