TEQIP-III sponsored one week
Short Term Training Programme (STTP)
On
"Big Data Analytics and related Technologies"
8th to 12th January, 2018

REGISTRATION FORM

Name: …………………………………….

Designation: ……………………………….

Organization: ……………………………….

Qualification: ……………………………….

Correspondence Address: ………….……

……………………………………...............

Tel. (O) ………………. (R) ……………......

(M) …………………………………….........

Fax. No.…………………………...……........

E-Mail: …………………………………….

Registration Fee: Paid herewith in the form of Cash/DD/online transfer
Amount …………….….........................

DD.No..............................Date ……………

Name of the Bank…………………….…...

Accommodation Required: Yes / No

Date: Place:

Signature of the participant

Note:
- Demand draft should be made in favour of Director, National Institute of Technology Raipur, payable at Raipur.
- **Original/Scan copy of DD/online transaction slip along with the complete registration form must reach to the coordinators on or before 3rd Jan, 2018.**

Chief Patron

Dr. A. M. Rawani, Director, NIT Raipur

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

Chairman
Dr. Shrish Verma
Dean (Academic), NIT Raipur

Convener
Dr. B. K. Singh, HoD
Department of Biomedical Engineering

Course Coordinators

Dr. Saurabh Gupta
Dr. Govind P. Gupta
Dr. Sandeep K. Chouksey

Address for Correspondence

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Short Term Training Programme
on
"Big Data Analytics and related Technologies"
8th to 12th January, 2018

Organized by

Department of Biomedical Engineering

National Institute of Technology Raipur-492 010 (Chhattisgarh)

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 Department: The Department of Biomedical Engineering came into existence in year 2003. Biomedical Engineering department is the study, research and work place of approximately 240 students from the 28states across India. The department provides an outstanding research environment and offersacademic program leading to the award of B.Tech. and Ph.D. degree.

Venue:

Department of Biomedical Engineering, National Institute of Technology, G.E. Road, Raipur–492010, (C.G.), INDIA

Speakers: The lectures will be delivered by **distinguished faculties from IIT, NIT**, and eminent **industry experts from IBM, Microsoft & Google**.

Targeted Participants:

- ➢ **U.G./PG/Ph.D. students**
- ➢ **Faculty members**
- ➢ **Industry members**

Objectives of the Course:

Aim of this STTP is to provide up-gradation of knowledge and skills for students/research scholars/faculties/scientists involved in active research in the area of Big Data analytics and related technologies. The course will provide in depth exposure to them. The lectures will be delivered by distinguished experts from IIT/NIT and Software Industries. This five days short term course will include lectures, special case studies in the areas of Big Data Analytics and related tools such as **Hadoop, Apache Spark** as well as hands-on practical experiments using **Python data analytic tools** such as **NumPy, SciPy, Pandas, Matplotlib and Scikit-learn**.

Topics to be covered:

Big Data Analytics: Big Data: Challenges and Opportunities, Big Data Examples, Characteristics of Big Data, Programming Models for Big Data, Big Data Analysis with Apache Spark, Application of Machine Learning algorithms for Big data Analytics, Big Data Privacy.

- • **Apache Spark:** Understand the advanced features of PySpark2 and SparkSQL, Program SparkSQL with Python, Spark Streaming and Spark MLlib, Graph analysis with GraphFrames.

- • **Python:**
- - Mathematical Computing with Python **NumPy**
- - Scientific Computing with Python **SciPy**
- - Data Manipulation in Python using **Pandas**
- - Data Visualization in Python using **Matplotlib**
- - Data Analytics using Python machine Learning tools **Scikit-learn**

Selection:

Since the **number of seats is limited to 40**, the selection will be made on *first cum first basis*. However, the preference will be given to the outside participants. Intimation regarding selection will be sent to the candidates by e-mail 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 may be provided on availability & on payment basis at institute guest house and relevant hostels of NIT, Raipur provided request for the same is made in the registration form.

Registration Fee Details (in INR):

Participants	Amount (in Rs)
UG/ PG / Ph.D. students	500/-
Faculty	1000/-
Industry Delegates	1500/-

Applications in prescribed format with registration fee in the form of Demand Draft drawn in favour of "**Director, NIT Raipur**" payable at Raipur, must reach the coordinator on or before **3rd Jan, 2018. Registration fee includes Workshop kit, Tea and Lunch** during the program. Fee is non-refundable**.** *Certificates will be issued to the participants only after attending the complete course.*

Important Dates:

Last Date of Registration: 3rd Jan, 2018

Intimation Date: 5th Jan, 2018

STTP Date: 8th **to 12**th **January, 2018**

REGISTRATION FORM

TEQIP-III sponsored one week

Short Term Training Programme (STTP)

on

"Big Data Analytics and related Technologies"

8th to 12th January, 2018

Organized by
Department of Biomedical Engineering,
National Institute of Technology, Raipur, C.G.

Full Name (Block Letter): ……………………………………………………………….
………………………………………………………………………………………………

Name of College/Institution/Organization:
………………………………………………………………………………………………
………………………………………………………………………………………………

Qualification: ……………………………………………………………………………

Designation: ……………………………………………………………………………..

Address:
………………………………………………………………………………………………
………………………………………………………………………………………………

Pin code:

Phone No./Mobile No.:

E-mail:

Do you need accommodation: (Yes/ No):

Mode of payment (Cash/Online Transfer/ DD):

Transaction Reference No:

I have enclosed the registration fee of Rs…………………by D.D. No ………………

Dated………………in favour of "***Director, NIT, Raipur***" ***payable at*** SBI, GCET Branch, Raipur.

Place: Signature of the participant

Date:

Duly filled registration form must reach to Department of Electrical Engineering, NIT-Raipur, before last date of receipt of registration form by post/by hand along with registration fee (D.D).

NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR
BANK DETAILS OF TEQUIP-III

ELECTRONIC CLEARING SERVICE / REAL TIME GROSS SETTELEMENT (RTGS) FACILITY FOR RECEIVING PAYMENTS

A.   DETAILS OF ACCOUNT HOLDER

NAME OF THE ACCOUNT HOLDER	DIRECTOR NIT RAIPUR
COMPLETE CONTACT ADDRESS	G.E.ROAD, RAIPUR (C.G.) 492010
E-Mail Id of the Account Holder	director@nitrr.ac.in

B.   BANK ACCOUNT DETAILS

BANK NAME	STATE BANK OF INDIA
BRANCH NAME WITH COMPLETE ADDRESS	G.C.E.T.BRANCH, G.E.RAOD RAIPUR (C.G.)
IFSC CODE OF THE BRANCH	SBIN0002852
MICR CODE	492002004
SWIFT CODE	SBININBB646
TYPE OF BANK ACCOUNT	SAVING ACCOUNT
COMPLETE BANK ACCOUNT NUMBER	34349680351

Banker's Signature and Seal

Authorized Signatory with seal
Dy. Registrar (F & A)
NIT, Raipur (C.G.)