One week
Short Term Training Programme (STTP)
On
"Big Data Technologies: Python Programming and Apache Spark"

8th to 12th January, 2020

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, 2020.**

Chief Patron

Prof. A. M. Rawani
Director, NIT Raipur

Patron
Prof. Shubhrata Gupta
Dean (R&C), NIT Raipur

Convener
Dr. S P Sahu
HoD(IT), NIT Raipur

Course Coordinators

Dr. Govind P. Gupta
Assistant Professor
Department of Information Technology

Address for Correspondence

Dr. Govind P. Gupta
Assistant Professor
Department of Information Technology
NIT Raipur (CG) - 492 010
Email: gpgupta.it@nitrr.ac.in
Contact No.: +91-9891952480

Online Registration Link for this STTP:

http://tiny.cc/wvwhfz

Organized by

Department of Information Technology

**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 Information Technology** came into existence in year 2000. IT department is the study, research and work place of approximately 300 students from the 28 states across India. The department provides an outstanding research environment and offers academic program leading to the award of B.Tech., M.Tech. and Ph.D. degree.

Speakers:

Expert lectures will be delivered by the faculties of the various branches form the institute and the experts from the industries

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, 2020. Registration fee includes Workshop kit, and high Tea at each day** 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, 2020

Intimation Date: 5th Jan, 2020

STTP Date: 8th **to 12**th **January, 2020**

REGISTRATION FORM

one week

Short Term Training Programme (STTP)

on

"Big Data Technologies: Python Programming and Apache Spark"
8th to 12th January, 2020

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

Full Name (Block Letter): …………………………………………………………………….
………………………………………………………………………………………………………
Name of College/Institution/Organization:
……………………………………………………………………………………………………
……………………………………………………………………………………………………
Qualification: ……………………………………………………………………………………
Designation: ……………………………………………………………………………………..
Address:
……………………………………………………………………………………………………
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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 Information Technology, NIT-Raipur, before last date of receipt of registration form by post/by hand along with registration fee (D.D).

राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR

(Institute of National Importance)

G.E. Road, Raipur – 492010 (C.G.)

Phone: (0771) 225 42 00
Fax: (0771) 225 46 00
Email: director@nitrr.ac.in
Website: www.nitrr.ac.in

Bank Details of NIT Raipur is as under:

Bank Name:	State Bank of India
Bank Branch:	NIT Branch
Bank Address:	G.E.Road, Raipur (C.G.) Pin – 492010
City:	Raipur (C.G.)
Country:	India
Account No.	38027633250
Account Name:	National Institute of Technology, Raipur
Bank Branch Code:	02852
Type of Account:	Savings Account
IFSC Code:	SBIN0002852
Swift Code:	SBININBB646
MICR Code of Bank	492002004
Phone No. of Branch:	0771-4040791/795
PAN Card Number:	AAAJN0643G
GSTN No.:	22AAAJN0643G1ZN

11/04/2019.

Dy.Registrar (F&A)

N.I.T.Raipur (C.G.)