

**Self Finance
Short Term Training Program (STTP) on**

**“Data Science and Research
Publication”**

From 15/12/2017 to 19/12/2017

REGISTRATION FORM

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 Raipur.

- Photocopies of registration form may be used.

Patron

Dr. A. M. Rawani
(Director, N. I. T. Raipur)

Co-Patron

Dr. S. Sanyal
(Dean R & C, N. I. T. Raipur)

Chairman

Dr. Samir Bajpai
(HOD, Humanities & Social Sciences)

Conveners

Dr. Bikesh Kumar Singh
Dr. Jaya Dwivedi

Coordinators

Dr. J. Satya Eswari
Dr. Arindam Bit

Organizing Committee Members

Dr. Lata S. B. Upadhyay, Dr. R. Periyasamy
Dr. Saurabh Gupta, Ms. Neelam S. Neerala
Dr. Howa Begam, Mr. A. Manish Kumar
Ms. Kushangi Pathak, Mr. Yogesh Sharma
Ms. Sharda Gupta, Ms. Sweta Naik
Mr. Guhan Seshadri

Address for Correspondence

Dr. Bikesh Kumar Singh

Designation: Assistant Professor & H.O.D.

Department: Biomedical Engineering

Email: bsingh.bme@nitrr.ac.in

Contact No.: 9826469522

Dr. J. Satya Eswari

Designation: Assistant Professor

Department: Biotechnology

Email: satyaeswarj.bt@nitrr.ac.in

Contact No.: 9752135824

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

**Data Science and Research
Publication**

From 15/12/2017 to 19/12/2017



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:

Started in 2003 the department offers undergraduate course and Ph.D. program in Biomedical Engineering. The department has well established laboratories. The faculty members of the department are actively engaged in research areas like medical image processing, bio-signal processing, bio-mechanics, Medical imaging physics and other emerging area of biomedical engineering.

Venue: E- Class room, NIT Raipur

Objectives: The aim of this training program is to deliver hands on training exposure to the participants on various data analysis techniques. It is expected that after attending this course the participants will be able to apply these techniques on their own data for analysis and interpretation. The training program will be especially beneficial to young researchers and faculty members who are interested in data science research.

Topics to be covered: The course content includes following topics (Theory and hands on practice):

- Digital Image Representation.
- Image Enhancement and Filtering.
- Image Segmentation.
- Medical Image Processing.
- Bio-signal Processing.
- Feature Extraction.
- Feature Selection.
- Classification Techniques like Artificial Neural Network, Support Vector Machines etc.
- Optimization techniques.
- Research Paper Writing and Writing Skills
- Ethics in publishing.
- Statistical Significance Analysis.
- Data Mining Tools.

Note: Hands on sessions on above mentioned topics will be conducted in laboratory. Participants should bring their own laptop with installed MATLAB® software.

Targeted Participants:

- U. G. & P. G. Students
- Research Scholars.
- Faculty Members.

Registration Fee Details (in INR):

Participants	Amount (in Rs)
Students (U. G & P. G.)	500
Ph. D. Research Scholars (full time)	1000
Faculty	1500
Industry Delegates	3000

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 11/12/2017; **Registration fee includes registration kit, tea/snacks, study materials and laboratory exercises during the program.** Fee is non-refundable. Selected candidate will be informed by email as per the]

schedule. Certificates will be issued to the participants only after attending the complete course. Food and accommodation for outstation participants may be arranged on prior request and based on availability on payment basis.

Important Dates:

Last Date of Registration: 11/12/2017
Intimation Date: 12/12/2017
STTP Date: 15/12/2017 to 19/12/2017