Registration Form

Name of Applicant (first, last):……………
………………………………………........
Fathers Name:……………………………
…………………………………………….
Mothers Name:……………………………..
Date of Birth (DD/MM/YY):………………….
Gender:……………………………………….
Category(General/SC/ST):……………………….
Designation:…………………………………
Highest Qualification:………………………….
Name and Address of the Institute/ Organization:……………..
……………………………………………..
City/town:……………………………………
Postal Address:………………………………
City/town:……………………………………
Email:………………………………………..
Landline Number (with STD code):……………………………
Mobile Number:………………………………………….
Do you need accommodation? (Yes/No):………………….....
Transaction ID:………………………………………..
Transaction Date: ……………………………….....
Issuing Bank………………………………………....
Signature of the Applicant: …………………………………
I hereby agree to relieve Mr./ Ms./ Dr……………….................
in case he/she is selected to attend the programme.
Signature and Seal of the Forwarding Authority.

Name ....

Designation...

Note:

1) The Faculty/Staff are requested to submit the NOC from respective department before attending the session.

2) The participant need to carry the Institute/Organization valid Identity Card (Both in Original & Photocopy).

3) Limited accommodation will be provided in Gauhati University on first come first serve basis.

4) Participants are requested to bring their own laptops in the course.

**FDP Duration
40 Hrs**

Affix passport size photograph

Course Coordinators from Academy

- **Prof. Ratnajit Bhattacharjee**
  Principal Investigator, E&ICT Academy, IIT Guwahati.
- **Dr. Gaurav Trivedi**
  Co-Principal Investigator, E&ICT Academy, IIT Guwahati

Course Coordinators from GU

- **Mr. Samir Sarkar**
  Assistant Professor
  Department of Business Administration
  Program Coordinator, Dual MBA Program, GU
  Ph no.: 9508423060, Email: ssarkar@gauhati.ac.in

How to Reach Gauhati University

Gauhati University is located at Gopinath Bardoloi Nagar, Jalukbari, Guwahati, along NH 37 between the airport and the city centre (10 km in either direction). Frequent local buses ply on NH 37, reaching Pan Bazar, Paltan Bazaar, Chandmari, ISBT (Inter State Bus Terminal) and the Lokpriya Gopinath Bardoloi International Airport. Autorickshaws to or from the airport or city centre to Gauhati university are available.

How to Apply

Online – The participants may log on to the E&ICT Academy, IIT Guwahati website: http://eictacad@iitg.ernet.in and fill up the google doc application form.
Through Email – Scanned copy of the filled in application form duly endorsed by the, forwarding authority is to be mailed at E&ICT Academy's email id (eictacad@gmail.com, eictacad@iitg.ac.in).

Course Date: 08-12 January, 2019
Last Date of Registration: 02.01.2019
(Online Registration Link will be open from 12.11.2018)
Venue: Department of Business Administration, Gauhati University, Jalukbari, Guwahati, Assam

**An Initiative of
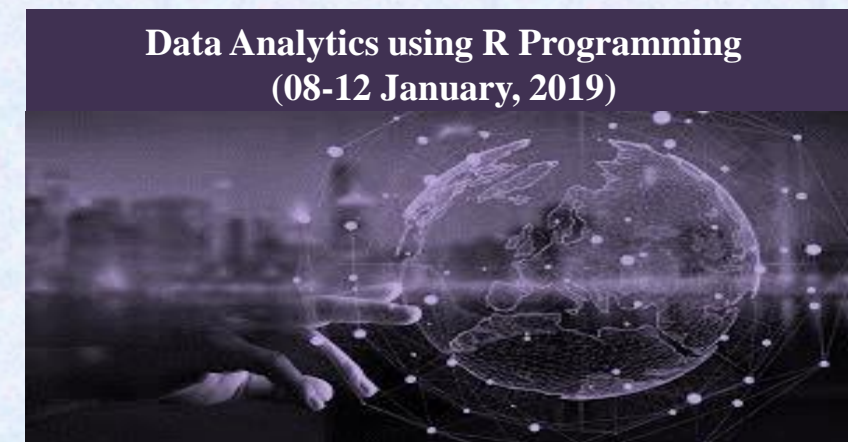Ministry of Electronics & Information Technology (MeitY), Government of India**

**Electronics & ICT Academy
IIT Guwahati, Assam**

One-week Faculty Development Programme on

**Data Analytics using R Programming
(08-12 January, 2019)**

Organized with support from

Department of Business Administration, Gauhati University

Predictive Analytics Solutions Pvt. Ltd.

Predictive Analytics

Objective of the Course

R has its own challenges. It is not only important to learn to code in R but to also know the different statistical theories behind the techniques. This course builds a foundation for R by teaching the following:

- The theories and concept behind the technique.
- The way these techniques need to be applied in R.
- Interpreting and drawing conclusions from the outcome.

This course will teach you different statistical theories as well as provide hands on training to carry out different analysis using R.

The programme will focus on practical aspects and include examples which are relevant to the current industrial requirements.

Assignments & Project

1. Assignments will be of the following type:
   - MCQ based questionnaire.
   - Programming Assignments (Problem statement will be provided.)
2. At the end of the course "Project" will be assigned to the participants which will be based on the Practical Case Studies.

Contact Details

Project Manager,
E&ICT Academy, IIT Guwahati
Email: eictacad@iitg.ernet.in, eictacad@gmail.com
eictinfo.iitg@gmail.com
Phone No: +91- 7086502139,
+91-3612583009/3182/2536/2503
(Working Hours 9:30 am to 5:30 pm)
Follow us on: www.facebook.com/eictacadguwahati/

Course Outcome

The participants will be given a thorough understanding of the following topics:

- Introduction to R
- Data Structures
- Graphical Analysis
- Frequencies
- Descriptive Statistics
- Comparing Populations
- Relationship Between Variables
- Time Series Analysis
- Decision Tree and Neural Network

Hands-on Session

The Hands- on session will include the following:

- Installing R, commands & syntax, packages and libraries, workspace in R.
- Introduction to vectors, matrices, arrays, list, factors, data frames, data import & export & data types.
- Creating simple graph, pie diagram, barplot, histogram, modifying axis of graph.
- Frequency distribution & their graphical presentation.
- Measures of central tendencies, position, dispersion, distribution.
- Hypothesis testing, Chi square test, one way ANOVA .
- One sample and paired sample test.
- Correlation & regression.
- Time series data & their graphical presentation.
- Building C5 & CART decision tree.
- Building Neural network

Who Can Attend

- The faculty members of any college/ university interested in research in social science or sciences,
- The research scholars who are pursuing their M.Phil or PhD in any government or private university can also apply.

For details of the programme and course contents etc., please log on to Electronics and ICT Academy website:
http://eict.iitg.ernet.in/

About E&ICT Academy

Electronics and ICT Academy is an initiative of Ministry of Electronics & Information Technology (MeitY) Ministry of Communications and IT, Govt. of India for Faculty/ Research Scholar Development Programme.

Academy has planned short term training programmes on fundamental and advanced topics in IT, Electronics & Communication, Product Design, Manufacturing with hands on training and project work using latest software tools and systems.

In addition, the Academy will conduct specialized/customized training programmes and research promotion workshops for corporate sector & educational institutions.

Registration Fee

Registration Fee (Snacks and Lunch)
Rs. 2950/- for Faculty, Lab Technicians, Project Staff, Industry Personnel, Research Scholars and Students.
Mode of Payment: Online Only (RTGS/NEFT)

About Gauhati University

Gauhati University was incorporated by an Act of 1947. It started functioning on 26 January, 1948 as an affiliating, teaching and residential university in a few temporary buildings in Guwahati, with K. K. Handique as the first Vice-Chancellor. Phanidhar Dutta, Sailandhar Rajkhowa and Sarat Kumar Dutta were selected as the Registrar, Treasurer and Secretary of University Classes respectively. The emblem of the University, selected from among many submitted, was designed by T. Mukherjee, a textile designer of Ahmedabad. Two Sanskrit words inscribed on it – Vidyaya Sadhayeta (meaning achievement through learning) – indicate the motto of the University.

Contact Details of GU

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Gauhati University.
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