

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:

Affix passport
size
photograph

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 Faculty member belonging to SC/ST Category need to carry caste Certificate(both in original & photocopy).
- 3) The participant need to carry the Institute/Organization valid Identity Card (Both in Original & Photocopy).
- 4) Hostel facility is available on paid basis. For details please contact : O. Imocha Singh, Associate Professor, Department of Computer Science Manipur University, Phone No.: 9436037964.

Workshop Duration
24 Hrs

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.

Coordinators from Manipur University

- **Imocha Singh Oinam**
Head, Dept. of Computer Science, Manipur University.
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- **Tejmani Sinam**
Dept. of Computer Science, Manipur University.
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How to Reach Manipur University

By Air to Imphal

Imphal Tulihal Airport is located about 8km from the heart of the City and is well connected directly from the major cities of India namely Delhi, Hyderabad, Kolkata, Guwahati and major cities of North Eastern States on daily basis with the Domestic Air services like Air India, Indigo, Air Asia etc. Other major cities of India is connected to Imphal via Kolkata/Guwahati.

By Bus to Imphal

From Guwahati daily on the NH 27, NH 29 and NH via Dimapur and Kohima many private buses available. From Dimapur daily on the NH 2 via Kohima Manipur many private buses available. From Silchar daily on the NH 37 via Jiribam many private buses available.

By Train to Imphal

There is no direct train service to Imphal. But travellers can travel upto Guwahati or Dimapur (nearest rail head from Imphal) and then rest by bus or by air.

Registration Fee

Registration Fee (Snacks and Lunch)

Rs. 1,000/- for Faculty, Lab Technicians and Project Staff
Rs. 1,500/- for Industry Personnel, Research Scholars and Students.

Mode of Payment: Online Only (RTGS/NEFT)



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



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



**Data Analytics using R Programming
(09-11 April, 2018)**



Organized with support from



Manipur University



Predictive Analytics

Course Date: 09-11 April, 2018

Last Date of Registration: 05.04.2018

(Online Registration Link will be open from 05.03.2018)

Venue: Dept. of Computer Science, Manipur University

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/



For Online Transfer

Bank Name: State Bank of India

Account Name: IIT Guwahati R and D E and ICT

Academy

Account No.: 36071160089

IFSC Code: SBIN0014262

Bank Name: State Bank of India

Bank Address: IIT Guwahati, GHY- 39.

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

- Faculties, Research scholars and Students looking to expand their knowledge in the area of statistical data analysis, Big Data Analysis, and Graphical analysis.
- This can also be fruitful for management streams, social sciences and other non-engineering streams.

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.

About Manipur University

Manipur University was established on 5th June, 1980 under the Manipur University Act. 1980 (Manipur Act 8 of 1980), as a teaching cum-affiliating university at Imphal with territorial jurisdiction over the whole of the state of Manipur and it was converted into a central university w.e.f. 13/10/2005. The Manipur University Act No 54 of 2005 received the assent of the President on 28/12/2005.

Located at Canchipur, Imphal, the capital city of Manipur, the university campus is spread over an area of 287 acres in the historic canchipur which is the site of the old palace of Manipur "The Langthabal Konung" (Palace), which was established by Maharaja Ghambir Singh in 1827 AD just after the liberation of manipur from burmese occupation. Maharaja Gambhir Singh took his last breath at Canchipur. Canchipur is also the Birth Place of Dr. Lamabam Kamal, a renowned poet of Manipur.

Address of Manipur University

Dept. of Computer Science, Manipur University

Indo-Myanmar Road , Canchipur - 795003

Imphal, Manipur , India

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