

## 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.

### 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) **Accommodation will be provided at the venue free of cost.** For details please contact: Dr Gopalakrishnan T, Assistant Professor Level II, Bannari Amman Institute of Technology. Contact no.: +91-9942832002

**Programme Duration**  
**48 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 BIT

- **Dr Bharathi A**, Prof. & Head –Information Technology
- **Dr Gopalakrishnan T**, Assistant Professor Level II,/IT  
*Data Analytics & Business Intelligence Group*  
**Bannari Amman Institute of Technology**  
Email: [gopalakrishnan@bitsathy.ac.in](mailto:gopalakrishnan@bitsathy.ac.in)

## How to Reach BIT

### By Air

The Coimbatore airport is the one nearest to the Bannari Amman Institute of Technology. If one wishes to reach the institute from the bus stand, they can take the NH 209. With a distance of only 66.8 kilometers, one can reach the BIT within 1 and ½ hours.

### By Train

The railway station near to the BIT is the Coimbatore/Tirupur/Erode Railway station. If one takes the NH , they can reach BIT within 1 and 1/2 hours.

### By Bus

The bus stand nearest to BIT is the Sathyamangalam Bus Station. If one is to take the Ooty - Erode road they can reach BIT within 50 minutes as the distance is only 31.1 kilometers. One can also take the SH 82 road or the Sathyamangalam Athani- Aapakoodal- Erode Road and the Ooty -Erode Road.

## Registration Fee Including GST

### Registration Fee (Including Snacks and Lunch )

- Rs. 2,950/- for Faculty, Lab Technicians and Project Staff.
- Rs. 1,475/- for Faculty members belonging to ST/SC category.
- Rs. 5,900/- for Industry Personnel, Student & Research scholar (Subjected to Availability of Seat).



सत्यमेव जयते

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



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



**Data Analytics using Python Programming**  
**(04-10 June, 2018)**



Organized with support from



**Bannari Amman Institute of Technology**



**Probyto**

**Course Date: 04-10 June, 2018**

**Last Date of Registration: 02.06.2018**

**(Online Registration Link will be open from 05.05.2018)**

**Venue: Bannari Amman Institute of Technology (BIT),  
Sathayamangalm, Erode-638401**

## Objective of the Course

Python is a general-purpose programming language that's powerful, easy to learn and fast to code. It has a mature and growing ecosystem of open-source tools for mathematics and data analysis. This course will take you from the basics of Python to exploring many different types of data. You will learn how to prepare data for analysis, perform simple statistical analyses, create meaningful data visualizations, predict future trends from data, and more!

## Course Programme

FDP is split into three parts:

- Lectures.
- Labs/Hands-on sessions daily on Parallel Programming.
- Assignments and Project.

## 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 based on the Practical Case Studies.

## Contact Details

**Project Manager,**

**E&ICT Academy, IIT Guwahati**

**Email:** [eictacad@iitg.ernet.in](mailto:eictacad@iitg.ernet.in), [eictacad@gmail.com](mailto:eictacad@gmail.com)

[eictinfo.iitg@gmail.com](mailto: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/](https://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:

- Data Science Overview
- Data Analytics Overview
- Statistical Analysis and Business Applications
- Python: Environment Setup and Essentials
- Mathematical Computing with Python (NumPy)
- Scientific computing with Python (Scipy)
- Data Manipulation with Python (Pandas)
- Machine Learning with Python (Scikit-Learn)
- Natural Language Processing with Scikit-Learn
- Data Visualization in Python using Matplotlib
- Data Science with Python Web Scraping
- Python integration with Hadoop, MapReduce and Spark

## Pre-requisites for the Course

The preferred Pre-Requisites for the course are:

- Basics of Python
- Basics of Data Analytics

## 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 & non-engineering streams.

## 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](mailto:eictacad@gmail.com), [eictacad@iitg.ernet.in](mailto:eictacad@iitg.ernet.in)). Application format given in this brochure may also be downloaded from the website.

## 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 BIT

The Bannari Amman Institute of Technology, established in 1996 by the Bannari Amman Group, serves as one of the citadels of higher education in the Southern part of India. BIT aids to impart knowledge, teamwork, innovation, entrepreneurship, courage, sacrifice and duty which are innards of a meaningful life. BIT has transformed and ingrained various cutting edge administrative and academic reforms. The Institute caters to the needs of the students and members of faculty in realising their dreams and aspirations. BIT has been conferred with a number of accolades and recognitions from top-notch forums of high eminence.

## Venue

**Bannari Amman Institute of Technology,  
Alathukombai Post, Erode District,  
Sathyamangalam, Tamil Nadu-638401  
Phone: 04295 226 000**

**Mode of Payment: Online Only  
(RTGS/NEFT)**

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