



Seven Days Training Programme  
on

# Machine Learning Algorithms using Python for Beginners

16-22 January, 2023



Organized  
by

Department of Computer Science  
Assam University, Silchar  
Silchar-788011, Assam, India

Organized  
under

Project Management Unit NIT Agartala  
Synergistic Training Program Utilizing the Scientific and  
Technological Infrastructure (STUTI)  
an initiative of Department of Science and Technology (DST),  
Government of India

## About the Training Programme

Machine Learning (ML) is the key component of Artificial intelligence. ML algorithms focus on the design and development of computer programs to access, analyze and process data to learn themselves. ML techniques are applied to design self-driving cars, predict customer demand in the online market, analyze social issues from social networking websites, design insurance policies by analyzing mortality data, etc.

Machine Learning has three major components:

- Core computational algorithms
- Attributes used to make decision
- Training and testing the system

The proposed training program on “Machine Learning Algorithms using Python for Beginners” organized by the Department of Computer Science, Assam University, Silchar, will provide the participants with both theoretical and hands-on knowledge of various ML algorithms and their application areas. It will provide an opportunity for the Post Graduates in Science, B. Tech., Scientists/Professors/PhDs, and PDFs actively involved in research across various institutions in the region and across the country to get exposure to Machine Learning Techniques and its applications.

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**Prof. Rajive Mohan Pant**  
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*Dept. of Mathematics, NIT Agartala*

## About Assam University, Silchar

Assam University, Silchar is a Central University established by an Act of the Indian Parliament (Act XXIII of 1989), and came into existence in 1994. Situated in the Barak Valley of southern Assam, the University is nestled in a sprawling 600-acre campus at Dargakona, about 23 km from Silchar town. In 2007, Assam University opened a 90-acre satellite campus at Diphu in the Karbi Anglong Hills District of Assam, thereby making quality higher education accessible to a wider section of society. With students' strength about 5000 in both the campuses, the University is a campus with diverse communities, ideas and creativity. Apart from the two campuses of the University, there are 73 affiliated and permitted colleges in the five districts of south Assam, which together constitute the jurisdiction of Assam University.

## About the Department of Computer Science

The Department of Computer Science was established in July 1997. The Department offers a five-year integrated course leading to the Degree of M. Sc. in Computer Science. Provision exists for the lateral exit with the Degree of B. Sc. (Computer Science) after successful completion of all the courses up to six semesters. The Department also offers lateral entry provision into the PG level semester of the five years M.Sc. (Computer Science) course. The department offers Ph. D. Programme in the thrust areas viz. Parallel and Distributed Computing, Machine Learning, AI, Computer Networks, Quantum Cryptography, Network Security, Image Processing, NLP, Data-Mining and Data-Science.

The placement pattern of the passed-out students has been encouraging. Alumni of the department of Computer Science of Assam University are now to be found in organisations like IBM, TCS, Infosys, ORACLE, HCL, Wipro-Tech, Cognizant and many others including educational and research institutions in India and abroad.

### Programme Committee Members:

Dr. Prodipto Das  
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## Machine Learning Algorithms using Python for Beginners

16-22 January, 2023



Venue: Department of Computer Science, Assam University, Silchar-788011, Assam

### Topics

1. Machine Learning Algorithms
2. Python for Machine Learning
3. Python Modules and Libraries
4. Object Oriented Programming Concepts
5. Regression, Classification and Clustering
6. Data Pre-processing
7. Implementation of different Machine Learning Algorithms

### Hands-on Training on Machine Learning Algorithms using Python

Number of seats: **30**

Who can participate: Post Graduates in Science, B. Tech., Faculty/Research Scholars/Scientists

### Important Dates

- + Last date of Registration : 31<sup>st</sup> December 2022
- + List of selected candidates : 2<sup>nd</sup> January 2023

**Note:**

1. If all of the seats are filled, acceptance of application may be stopped before the deadline.
2. Accommodation will be provided as per the norms.

### Application

Participants are invited to fill-up the registration form by clicking on the link given below or by scanning the QR code

Register Here 

Registration Fees: **NILL**

