

About the Programme

FDP on **Data Sciences** is to be held on **14-18 December 2020**. Machine Learning is a fast-growing field of Artificial Intelligence concerned with the study and design of computer algorithms for learning good representations of data, at multiple levels of abstraction. 90% of the world's data has been created in just the past few years. Faced with overwhelming amounts of data, organizations are struggling to extract the powerful insights they need to make smarter business decisions. Demand for data scientists crosses all industries as employers scramble to harness the power of data analytics to personalize their products, minimize risk, and expand into new & innovative ways. The participants will be trained with hands-on approach in order to have an in-depth insight into the domain of Data Sciences and expose them to Feasibility & future scope.

Programme Objectives

1. Disseminate the knowledge of data sciences and Machine learning.
2. Provide conceptual understanding of how data sciences can be used to innovate and improve the business process
3. Provide knowledge and hands on sessions on deep learning techniques.

The Topics to be covered

- Introduction to Machine Learning
- Learning Python for Data Science
- Supervised Learning Algorithms
- Unsupervised Algorithms
- Research Directions in Machine Learning
- Application of Machine Learning Techniques
- Natural Language Processing/ Text Mining
- Convolutional Neural Networks(CNN)
- Recurrent Neural Networks (RNN)
- Introduction to Big data tools for ML
- Reinforcement Learning
- Hands on Sessions
- Scope & Future of Data Science



About Anna University, Chennai

Anna University was established in September 1978 as a unitary type of technical university amalgamating four institutions: the College of Engineering Guindy, the A C College of Technology, the Madras Institute of Technology and the School of Architecture and Planning. All these four institutions each with a long history and distinct characteristics of own, provided a fertile reservoir of resources from which the nascent university has been formed and grown to its present stature.

Madras Institute of Technology

In 1949, Shri.C.Rajam, gave the newly independent India, Madras Institute of Technology, so that MIT could establish the strong technical base it needed to take its place in the world. It was merged with Anna University in the year 1978. Sixty years hence, while it continues to be a pioneer in courses that it gave birth to, it is already renowned for producing the crème de la crème of the scientific community in more nascent courses such as Computer Science and Information Technology.

Department of Information Technology

Department of Information Technology, MIT, Anna University, thrives to accomplish its vision of developing dexterous and proficient students. Its progress is growing exponentially in contributing efficient and technically sound students to the corporate world. The department has a team of dynamic, young and dedicated staff, with specialization in wide array of areas. It offers full time and part time courses for UG, PG and Research. The department receives funds from DST under FIST programme.

Resource Persons: Resource Persons are experienced faculty Members from Anna University, NITs, and experts from industry and other R&D laboratories.

Dr. V. Vaidehi, (Vice Chancellor, Mother Teresa Women University)

Dr. A. Kannan, (Professor, VIT, Vellore)

Dr. Vidhya Durai (Project Lead Business Analysis, BNY Mellon Technology)

Mr. Solai Murugan (C-DAC, Chennai)

Mr. Vignesh Raja. P (Tata Communication, Chennai)

Mr. Vinoth A (VueData Technologies, Chennai)

Mr. Vijay Sankaran (Google, Bengaluru)

Ms. Kanchana Padmanabhan (Director of Data Science, Rubikloud Technologies, Canada)

Eligibility: The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.

Targeted Participants: Faculty members, research scholars, PG Scholars, industrial persons working in Engineering domain such as Automobile, Chemical, Electrical, Electronics, Mechanical and Mechatronics.

Registration Fee: Nil.

There is no registration fee for the program. Participants are required to registered at <https://atalacademy.aicte-india.org/> by selecting this FDP.

Selection: The number of Participants is limited to 200 and will be selected on the first-come, first-served basis. The selected candidates will be intimated through e-mail only.

Certificate: Certificate to the participants will be issued on successful completion of the FDP as per the FDP guidelines.

Key dates:

Last Date for Receipt of Application: 1 Dec 2020.

Date of the FDP: 14-18 December 2020.

Anna University, MIT Campus, Chennai

**Faculty Development Programme (FDP)
On
Data Sciences**

14-18 December 2020

Being Sponsored by
**AICTE Training and Learning (ATAL)
Academy, AICTE New Delhi**

Registration for the FDP

REGISTRATION LINK:

<https://atalacademy.aicte-india.org/login>

1. Register as a participant → Fill your details.
2. Select workshop: Tamilnadu→ Month→ December→ Thrust Area→ Data Sciences → Online Mode.
3. Select Institute → MIT Campus, Anna University

Address of the Coordinator:

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Chief Patron

Dr. M.K. Surappa, Vice Chancellor

Patron

Dr. L.K Karunamoorthy, Registrar
Dr. T. Thyagarajan (Dean, MIT Campus)
Dr. Dhananjay Kumar (HOD, IT, MIT Campus)

Course Coordinator:

Dr. Radha Senthilkumar, Associate Professor,
Department of Information Technology,
MIT Campus, Anna University.

**ANNA UNIVERSITY, MIT CAMPUS
CHENNAI**

**Faculty Development Programme (FDP)
on
DATA SCIENCES**

14-18 DECEMBER 2020

Organized by



**Department of Information Technology
MIT Campus, Anna University, Chennai**

Sponsored By



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Academy, AICTE New Delhi**