



## COURSE ON



November 18 - 22, 2019

### Objectives:

On completion of the course, one should be able to:

- ⊙ Apply data science methods and techniques for:
  - ⊙ Data acquisition
  - ⊙ Preprocessing
  - ⊙ Exploratory Analysis and Statistical Inference etc.
- ⊙ Understand algorithms/techniques used in advanced analytics and applications:
  - ⊙ Machine learning: Regression, Classification, Clustering
  - ⊙ Time series forecasting
  - ⊙ Sentiment analytics
  - ⊙ Text analytics
  - ⊙ Recommender systems etc.

### About Course:

We are living in a Data Age. Data is being continuously generated and consumed in various formats, and sizes from several varied sources. This data can be a big asset if stored, processed and analyzed efficiently in real time with the help of intelligent algorithms. There is a growing interest to utilize such data for the improvement of business, health, education, society etc. There are many ways to process and analyze such data spanning techniques like data visualization, text analytics, predictions and recommendations etc. Applications of these techniques can give companies and organizations valuable insights leading to competitive advantage, efficient service delivery and above all customer satisfaction. And, the demand for skilled resources in these fields is growing day by day. CDAC Mumbai is announcing this course in Data Science and Machine Learning as a part of AICTE Training and Learning (ATAL) Academy programs.

Today businesses cannot depend only on their products or services to grow, they must utilize and learn from historical data to better understand the end user. Data is the new oil. And in recent years, data science has emerged as a most sought after domain not only for industry professionals, but also people from academia. This course is aimed at giving participants a starting point in the field of data science to further build on. The course emphasizes hands-on approach for better understanding of the techniques used in the domain. Hence, the course will not only introduce the foundations of data science to them, but also equip them with hands-on techniques for extracting insights from the data. It will also give them a tour of advanced techniques of statistical analysis and machine learning.

### Target Audience

Faculty & Ph.D. Scholars from AICTE approved technical institutions working / interested in Data Science

### Prerequisites

Basic knowledge of computer programming, Fundamentals of probability theory and statistics



**About C-DAC:** Centre for Development of Advanced Computing (C- DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY), Govt of India, for carrying out R&D in IT, Electronics and associated areas. Mumbai centre of CDAC actively carries out R&D activities into various fields of Software Technology like Artificial Intelligence, Multilingual Computing, E- learning, E-governance, Free/Open Source Software, Computer Networks, Mobile Computing, Bioinformatics and Accessibility etc.

Knowledge Based Computer Systems (KBCS) division at CDAC Mumbai has been working on problems in the areas of Machine Translation, Transliteration, Document Classification, Information Retrieval, Information Extraction, Opinion Mining and Analytics. It has developed various software solutions in the relevant areas and has been continuously contributing to technology through publications and training programs.

### Registration Process:

One can register for the course as per the specified process of AICTE Training and Learning (ATAL) Academy. For more details on the registration process and other relevant information, please visit <http://www.kbcs.in/atalcourses/datascience>.

Note: There is no registration fee for the course. Registration will be on first come first serve basis. Maximum participants are 30 only.

*\*Registration Closing Date: November 11, 2019*

### Contact Us:

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