

CURRICULUM - ASSOCIATE DATA ANALYTICS

duBridge is a skill development and vocational training organization started by a group of IIM alumni and professors in October 2009, with Registered Office in Kolkata and Head Office in Mumbai. It has been setup with the vision of fulfilling the skill gap that exists currently between semiurban/economically backward youth and the skill requirements of the highperforming companies/government organizations.

EduBridge is proud to be partner of National Skill Development Corporation (NSDC), a Govt. of India organization, and participate in the mission of up-skilling India's rural and semi-urban youth. EduBridge is also backed by a well-known venture capital company -Acumen Fund, which invests in firms that create a social impact.

Learning by Doing

The learning happens by doing -> for every topic the concepts are explained with a mix of theory and production quality code. In the end of the program, you will be able to:

- Obtain, clean/process and transform data.
- Analyze and interpret data using an ethically responsible approach.
- Use appropriate models of analysis, assess the quality of input, derive insight from results, and investigate potential issues.
- Apply computing theory, languages and algorithms, as well as mathematical and statistical models, and the principles of optimization to appropriately formulate and use data analysis.
- Formulate and use appropriate models of data analysis to solve hidden solutions to business-related challenges.
- Interpret data findings effectively to any audience, orally, visually and in written formats.
- Predict the given dataset based on the requirements and type of data different Data Analytics tools.

Employability Skills

- Build team work and communication skills at workplace.
- Maintain etiquette with seniors/ male/ female colleagues.
- Understand the importance of non-verbal skills and listening skills.
- Know the importance of sharing work related information.
- Developing good interview skills by understanding the interview process.
- Handling queries over e-mail.

- Recall the meaning and importance of Data Data Analytics
- Describe the term data analytics and understand the difference between data analytics and data analysis.
- Role of data analyst.

- Understand about statistics and types of statistics. - Learn descriptive Statistics & its measures.
- Learn about Inferential Statistics. - Understand Importance of statistics
- - Hadoop Basics
- Understand what Hadoop is and what it isn't - Demonstrate the different components of Hadoop
 - Know who uses Hadoop

Yului Learn the fundamentals of Python, which are data types - Learn the fundamentals of Python, which are data types Lean the junualitemas of rythor, which are used types operators, loops, functions, multithreading, exception nangling, me management etc. Understand Object-oriented programming in Python which Unuerscand Suject-Unierned programming in Fydion white are inheritance, Polymorphism, Encapsulation and Data Python

Austraction.

Know about Pandasl Numpy | Data Cleasing | Data Processing.

Know about Data Wrangling! Data Visualisation. . Know Statistical Analysis of Data using Python

Worldown MongoDB is the most widely adopted

Understand why MongoDB is the most widely adopted NoSQL technology

NoSQL technology

Demonstrate how to get Mongo running, manipulate data to get Mongo runni Demonstrate now to get Mongo running, manipulate data to a second to get Mongo running, manipulate data to a second to get Mongo running, manipulate data and arm with the essential skills required to and query data and arm with the essential skills required to get and guery data and arm with the essential skills required to get and guery data and arm with the essential skills required to get manipulate data. MongoDB

start using Mongo

R Programming

- Understand the overview of R program.
- Know about Data Types/ List/ Matrices/ Arrays/ Data Frames.
- Know about variables/ Operators/Decision making/ Loops/ Apply lapply(), sapply(), tapply() functions in R.
- Know about Data Re-shaping/ Interfaces.

SAS - For Beginner

- Understand the overview of SAS.
- Know about SAS Studio/ SAS- Program Structure.
- Know SAS: Variables/ String/ Numeric Formats.
- Know SAS Macros/ Data Sets/ SAS ODS

Basic & Advanced Excel

- Familiarize oneself with Excel's basic features.
- Develop formulas to simplify calculations.
- Create Pivot Tables in order to display and summarize large quantities of data effectively.
- Explore the different Lookup functions, and understand how to add further functionality to a spreadsheet to reference particular data quickly and effectively.

