

# DATA SCIENCE PROFESSIONAL (DSP)

- A Career for Next Generation

The DSP program career path is a power packed learning track to prepares aspirant up to the industry standard's and job market demands to use the Big Data platform and methodologies in order to collect and analyze large amounts of data from different sources. This will require skills in Big Data architecture, such as Apache Hadoop, Ambari, Cassandra, NoSQL, Mongo DB, YARN, MapReduce, ZooKeeper, Sqoop, and HBase and which are highly desired in the market. To further strengthen the program advanced Java and Python for data science has been included in it to explore Artificial Intelligence capabilities and introduces the program to IBM Watson studio for the above skills and live projects

## Learning Track 01 Bigdata Analytics

- Data Analytics Overview
- Understanding Data and Business Intelligence.
- Big Data Hadoop and Data Analytics
- Hortonworks Data Platform (HDP)
- Apache Ambari
- Hadoop and the HDFS File System
- Advanced Java for Spark & Scala
- MapReduce and YARN
- Apache Spark Storing and Querying data
- ZooKeeper, Slider, and Knox
- Loading data with Sqoop Data
- Plane Service and Stream Computing

## Learning Track 02

- Data Science essentials
- Drew Conway's Venn diagram
- The Scientific Process applied to Data Science.
- The steps in running a Data Science project
- Learning Languages used for Data Science (Python, R, Scala, Julia )
- Learning advanced Python
- Resources for Data Science, including GitHub Jupyter Notebook
- Essential packages: NumPy, SciPy, Pandas, Scikit learn, NLTK, BeautifulSoup...
- Data visualizations: matplotlib, PixieDust
- Using Jupyter "Magic" commands

## Learning Track 03

- Learning Mongo DB using Big SQLto access HDFS data
- Creating schemas and querying tables
- Configuring Big SQL security & Data federation with Big SQL

## Learning Track 04

- IBM Watson Studio
- Analyzing data with Watson Studio

## "All in one" DSP Program"

- 200 Hours of power packed class learning
- 2 months of paid in-house internship Program post completion of 4 months of learning with experience certificate
- Dedicated LAB classes and Hands on Training
- Live IBM Projects and project work
- IBM Certified Senior Subject matter Expert and dedicated Faculty / Instructor for the Class
- IBM standard courseware and Curriculum
- IBM Cloud Factory for Hands on Training
- Individual Course certificate from IBM and final completion certificate from BKV School of Analytics Cloud & Security (SACS)

**Learn. Earn. Get Placed.**

### ASSOCIATED JOB ROLE

- *Bigdata Analyst / Bigdata architect*
  - *Hadoop Developer /Bigdata Professional*
  - *Data Science Professional*
- Eligibility:
- Graduates/BE/B.Tech/BCA/B.SC/ Diploma

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