



jointly offers course on

Big Data Analytics

Course Content

R, Hadoop, Spark, MongoDB, Data Mining Techniques
with case-studies & examples
from Retail Banking Analytics domain

Course Duration : 200 Hours

Week-end Batch

Contact : 7506523339 / 8939694874

Why enroll with us?

Our trainers are from industry with 15 years of experience

Trainer 1: Shrikant Gawande, Founder – Petaa-Bytes

Trainer 2 : Rajesh Jakhota, Founder – K2 Analytics

<http://www.petaa-bytes.com>

<http://www.k2analytics.co.in>

Course Objectives

The Big Data Analytics course is designed specifically to provide you with practical experience sharing and training on Big Data Analytics. As part of the course we will cover the following:

- Big Data Technologies – Hadoop, Spark & MongoDB (NoSQL)
- Data Mining Tools – R
- Data Mining Techniques –
 - Neural Networks
 - Random Forest
 - Classification Tree
 - Logistic Regression
 - Clustering
 - Linear Regression
- Data Management Basics – SQL Programming
- Business Domain Understanding – Retail Banking Analytics

Who Should Attend?

Any one who wish to learn the tool and make a career as data scientist. Candidates having familiarity with statistics (mathematics) and some coding background are likely to benefit more from this course.

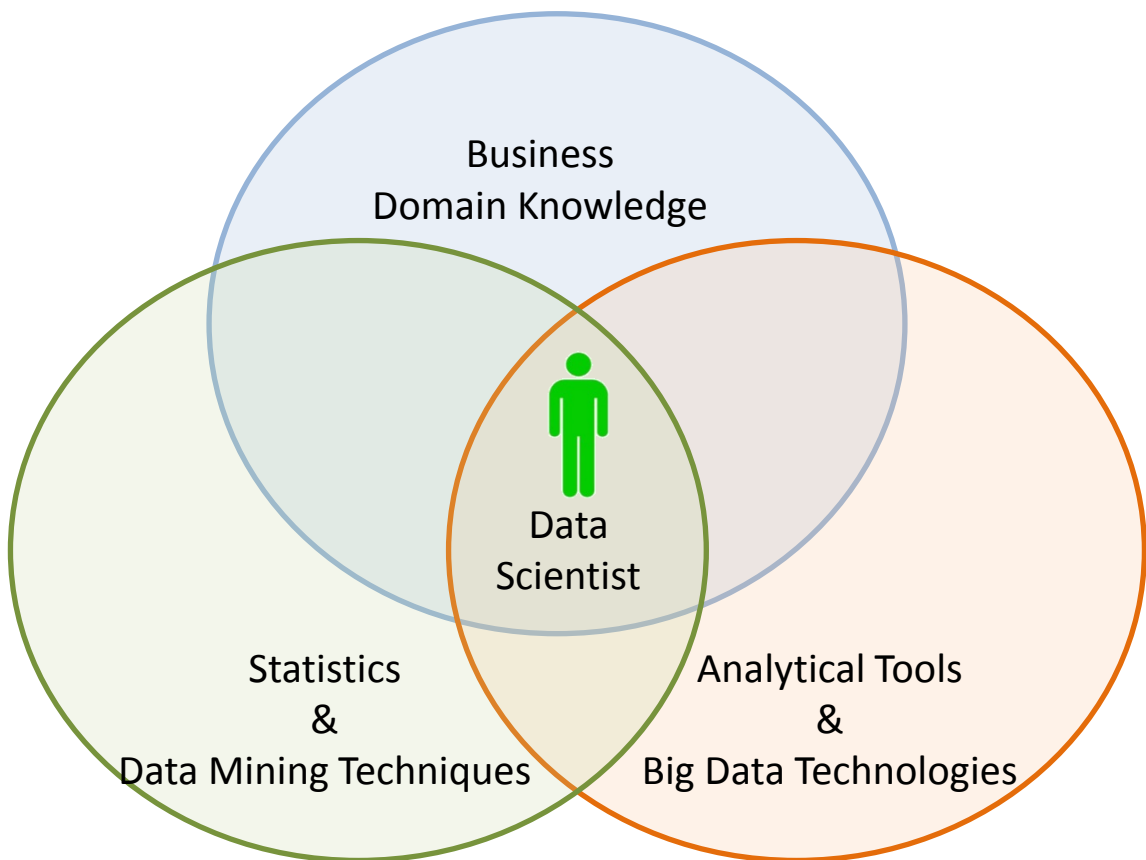
Who will be my trainers?

Your trainers will be industry experts who have spent considerable experience in field of analytics

How is the course structured?

The course is structured a well-rounded perspective on Data Science by finely covering

- Business Domain Knowledge
- Analytical Tools & Big Data Technologies
- Statistics & Data Mining Techniques



How will it help me in my career?

You are currently in role like Software, Business Intelligence, Marketing or Business Consulting and have urge to learn & develop growth oriented complementary skills then this course can give you the much needed boost in your career.

You are a fresher with passion to work with data & technology then this course would be a very good launch pad for your career

Course Content Details

Main Head	Details	Duration Hrs
SQL	What is database?, SQL Programming Basics (Insert, Update, Delete & Select Queries), Normalization & Denormalization	8
R	Introduction to R, Data Structures, Importing – Exporting Data, Data Manipulation, Sorting, Merging, Aggregating, Functions, Programming Structures, Charts & Graphs	20
Data Mining Techniques	Data Mining Introduction, Supervised & Unsupervised Learning Techniques, CRISP-DM (Data Mining Process), Basic Statistics & Number Skills, Linear Regression, Logistic Regression, Clustering, Classification Tree, Random Forest, Neural Networks	36
Retail Banking Analytics	Retail Banking Product Overview – Liabilities, Assets & Cards, Application of Analytics in Risk & Marketing Functions, Customer Lifecycle Management	12
Hadoop	HDFS Architecture, Hadoop Multinode Installation, Map Reduce, Advanced Map Reduce, Multiple Input Formats, Apache Pig, HIVE, NoSQL (Hbase), Hadoop 2.0 YARN, Sqoop, Flume, Apache Oozie, Setting up Hadoop on Cloud using EC2.	60
Spark	Scala programming language, Spark Eco System, RDD(Transformations, Actions, Loading Data, Key-Value Pair, MapReduce) Spark Streaming, GraphX, SparkSQL and Performance Tuning in Spark	40
MongoDB	Architecture of mongoDB and Design Goals. Introduction to JSON and BSON, CRUD Operations, Scalability and Availability, Indexing and Aggregation Framework	24
Total		200

Contact Details:

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Mobile : **8939694874 / 7506523339**

Venue : **B-108, First Floor, Shiv Shakti sra CHS Ltd, Anna Nagar,
New Link Road, Andheri West, Mumbai – 400 058**

USP: Our trainers have 15 years of industry experience