

#### Introduction to the role of Data SCIENTIST:

- 1. Who is a Data Scientist?
- 2. Data Scientist skills armour
- 3. Understanding Organisation structure and **Business Models**
- 4. Full Stack Data Science Capability



#### Data Science Tools Ecosystem:

- 1. Overview Of Data Science Tools
- 2. R Language, R Studio, R Shiny
- 3. Python, Anaconda, Jupyter
- 4. Tableau, R Shiny, Apache Spark
- 5. BigML, Rapidminer, KNIME, Orange



#### Data Sources - Advanced:

- 1. Defining Data requirement and Metrics
- 2. Various Open sources for DATA
- 3. Advanced Extraction Techniques



### CERTIFIED DATA **SCIENTIST**



**Classroom Training** 



₹ **45,900** /- (Excl. Taxes)

- √ Hands on Case Study in Tableau
- √ 15 Days Support in Self Practice
- ✓ Interview FAQs Training
- ✓ Resume Review & Job Assistance



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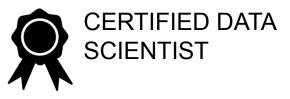
### **Exploratory Data Analysis and Visualization** with Tableau:

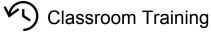
- 1. Data Analytic Framework
- 2. Exploratory Data Analysis
- 3. Data Collection And Curation
- 4. Data Visualization
- 5. Assessment Case Study



### Data Science - Language R & Python:

- 1. Fundamentals of R Language for Data Science
- 2. Fundamentals of Python for Data Science
- 3. Data Manipulation And Visualization With R
- 4. Data Pre-Processing With R
- 5. Hands On Case Studies using R Studio
- 6. Assessment Case Study





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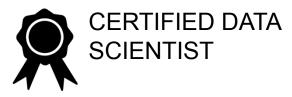
### **Data Mining:**

- Creating Business Value Using Data Mining for Actionable Insights
- 2. Association Rules And Collaborative Filtering
- 3. Assessment Case Study



### Data Analysis For Evidence Based Decision Making:

- 1. Role Of Uncertainty
- 2. Decision Making Under Uncertainty
- 3. Statistical Inference
- 4. Regression Analysis: Estimating Relationships
- 5. Multiple Regression
- 6. Anova And Experimental Design
- 7. Assessment Case Study





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### **Industry Applications of Advanced Analytics Models:**

- 1. Implementing Predictive Models In R
- 2. Implementing MI Models In R
- 3. Assessment Case Study



### **Big Data Analytics With Spark:**

- 1. Introduction To Big Data
- 2. Machine Learning In Spark
- 3. Assessment Case Study



#### **Data Science Projects:**

- 1. Structuring Data Science Project
- 2. Project Management Fundamentals
- 3. Estimating and Budgeting for Data Science Project
- 4. Adopting Agile principles in Data Science Project
- 5. Assessment Case Study





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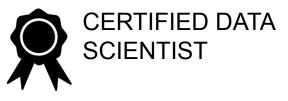
### **Information to Insight:**

- 1. Advanced Visualization
- 2. Story telling With Data
- 3. Live Project



#### **Career Management:**

- 1. Next steps towards Data Scientist Career and Growth
- 2. Resume analysis and Guidance





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