Vendor-Neutral Global IT Certifications

Star Big Data Analytics
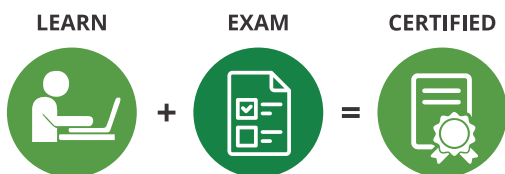
MAKE DATA AN OPPORTUNITY FOR
BETTER DECISION MAKING

STAR

Big Data Analytics

Exam Code : S08-510

LEARN + **EXAM** = **CERTIFIED**

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Star Big Data Analytics

Data is everywhere and it is transforming our world. Almost all industries are bracing big data and using different data analysis techniques to dig out valuable insights, and create data-driven solutions for their challenges. More and more companies are hiring professionals who can analyse and visualise data, uncover insights to make better decisions. The Star Big Data Analytics program introduces the learners to the most popular data analytics language, R and one of the most common frameworks, Hadoop. The program helps the learners acquire a fundamental understanding of big data and machine learning, data mining concepts, data visualization and mobile analytics. The purpose of the SBDA is to help the learners master the skills they need to establish a successful career as a data analyst.

Audience: Beginner to Advance, Learner should have basic knowledge of Statistics and Mathematics or Learners should be from Finance background.

Course Objectives :

* Big Data and its impact on businesses
* Data analysis using R programming and visualization tools
* Different data mining techniques
* Big Data and Hadoop
* Machine learning concepts and Hadoop

Course Outcome :

* Describe Big Data and Its Importance
* Analyse the Unstructured Data and Apply R Programming Concepts on it.
* Describe the Big Data usage in different Industries.
* Implement Machine Learning concepts and Data Visualization Techniques on Data.
* Work as Data Analyst and generate prediction based on the Analysed Data.

Course Outline :

1. INTRODUCING DATA AND BIG DATA
2. APPLICATION OF BIG DATA IN COMMERCIAL AREAS
3. BIG DATA AND HADOOP
4. EXPLORING ANALYTICS
5. EXPLORING R – DATA ANALYTICS LANGUAGE
6. PERFORMING STATISTICS CONCEPTS WITH R
7. INTRODUCTION TO MACHINE LEARNING
8. MACHINE LEARNING AND HADOOP
9. DATA MINING AND THE WEB
10. TEXT MINING AND ANALYTICS
11. PATTERN DISCOVERY IN DATA MINING
12. ANALYSING CLUSTERS IN DATA MINING
13. DATA VISUALISATION AND TOOLS
14. EXPLORING MOBILE ANALYTICS
15. EXPLORING REAL WORLD ANALYTICAL ORGANISATIONS
16. BIG DATA IN DIFFERENT INDUSTRIES

LABS

1. SETTING UP THE REQUIRED ENVIRONMENT FOR APACHE HADOOP INSTALLATION
2. INSTALLING THE SINGLE-NODE HADOOP CONFIGURATION ON THE SYSTEM
3. IMPLEMENTING CLARA ALGORITHM IN R
4. IMPLEMENTING K-MEANS ALGORITHM IN R
5. IMPLEMENTING KNN ALGORITHM IN R LANGUAGE
6. IMPLEMENTING MAP-REDUCE PROGRAM FOR WORD COUNT

Exam Information:

Exam Code	:	S08-510	Exam Pattern	:	Multiple Choice
Exam Duration	:	2.5 Hrs	Exam Delivery	:	AEPTC (ACADEMIC EDUCATION & PROFESSIONAL TESTING CENTER)
Passing Score	:	70%			

Course Duration :   48 Hrs