SIX PHRASE – Edutech Private Limited

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QUOTATION

Sir/Madam,

Sub: Quotation for **Center for Futuristic Learning – Data Science** Training Program

Greetings from SIX PHRASE – Edutech Private Limited

In line with the discussion we had with you we have here with detailed the program details along with the cost for conducting the **Center for Futuristic Learning – Data Science** Training Program. Please find below the program details.

Program Duration:	I to IV Year Integrated Mode - 72 Hours per Semester (1 to 8 Semesters) III Year Bootcamp Mode – 300 Hours
Target Audience:	BE Students
Program Type:	**Center for Futuristic Learning - Data Science**
Value Additions:	✓ Online Hands On Training Sessions with Technology Experts from Corporate and from IITs. (30% of Course Duration). ✓ 3 Interactive Webinar sessions per semester with CEOs and Technology Heads from Corporate. ✓ Real World Projects certified by PWC. ✓ Cloud Labs Tools & Softwares
Placement & Internship Assistance:	✓ Access to 30+ Product Companies: Marquee Companies: >20 LPA; Super Dream Companies: 10-20 LPA; Dream Companies: 5-10 LPA ✓ Abroad Internships & Placements ✓ Study Abroad Programs with Placements

Syllabus:

Data Science - Curriculum

Courses	Modules
Course 1 - Data Science using Python	Introduction to Data Science
	Data Collection & Cleaning
	Python Fundamentals
	Control Flow and Functions
	Array Computations using NumPy
	Data Manipulation using Pandas
	Visualizing Data using Matplotlib and Seaborn
	Web Scraping
Course 2 - Statistical Foundations	Introduction to Statistical Analysis
	Exploratory Data Analysis
	Introduction to Probability
	Probability Distribution Functions
	Inferential Statistics - I
	Inferential Statistics - II
Course 3 - Supervised Machine Learning	Introduction to Machine Learning
	Supervised Learning - Regression
	Evaluating Regression Models
	Supervised Learning - Classification
	Decision Tree and Random Forest Models
	Mathematical and Bayesian Models
Course 4 - Unsupervised Machine Learning	Dimensionality Reduction
	Unsupervised Learning using Clustering
	Association Rule Mining & Recommendation Engines
	Time Series Analysis
	Model Evaluation & Hyperparameter Tuning
	Model Boosting & Optimization
Course 5 - NLP, Deep Learning and ChatGPT	Introduction to NLP
	Text Pre-processing
	Analyzing Sentence Structure
	Text Classification
	Introduction to Deep Learning
	Getting started with Tensorflow 2.0 with Tensor Board
	Neural Networks with TensorFlow 2.x
	Deep Learning for Images using CNN
	TensorFlow Hub for Object Detection using Faster RCNN
	Deep Learning for Sequences using RNN
	Object Detection Using OpenCV - Part 1
	Object Detection Using OpenCV - Part 2
	Introduction to OpenAI and ChatGPT
	Business Use Cases of ChatGPT
	Deploying and Integrating ChatGPT in Business Applications

	Building Real-world Applications with OpenAI API and ChatGPT (Self-paced)
Course 6 - Data Mining & Warehousing	Data Warehousing
	Data Integration & ETL
	Data Mining
	Frequent Pattern Mining
Course 7 - Big Data Storage and Analytics	Getting Started with Big Data
	Storing Big Data in a Distributed Cluster
	Data Ingestion in Hadoop using Sqoop and Flume (Self-paced)
	SQL Like Query Processing Engine for Big Data - Hive (Self-paced)
	Spark's Big Data Engine and RDD Concepts
	Relational Data Processing with Spark - Spark SQL
	Machine Learning with Spark - Spark ML
Course 8 - Data Visualization using Tableau	Data Connection and Visualization in Tableau
	Calculations in Tableau
	Advanced Visualizations
	Sharing Your Insights Through Dashboards