B.Tech Program in Data Science

Importance of data Science:

Data is one of the important features of every organization because it helps business leaders to make decisions based on facts, statistical numbers and trends. A data scientist or a Data Analyst only will know how to tease actionable insights out of gigabytes of data. From statistics and insights across workflows and hiring new candidates, to helping senior staff make better-informed decisions, data science is valuable to any company in any industry.

About The Program:

The **four year B.Tech program in Data Science** offered by **VNR VJIET** emphasizes on producing well-trained, highly skilled and qualified engineers to meet the demands of the nation in transforming data to relevant and useful information.

Due to this growing scope of data, data science came into picture which is a multidisciplinary field. It uses scientific approaches, procedure, algorithms, and framework to extract the knowledge and insight from a huge amount of data. The curriculum majorly covers:

- Introduction to data analysis fields - data mining, statistics, predictive analysis.
- Machine Learning, and their related strategies to comprehend and dissect genuine phenomena with data.
- methods and concepts of information science, statistics, mathematics, and computer science.
- Data Science Techniques - machine learning, visualization, pattern recognition, probability model, data engineering, signal processing.
- Programming in R, Python, SAS to Analytics, Hadoop and Spark.

Salient Features of this course:

- Experiential learning in data science workflow applications through a combination of tools, technologies, and best practices.
- A platform to use high end tools and provide solutions for the data that can be adopted across all verticals.
- Constructive learning through involvement in funding projects and improving employability skills
- Strategic partnerships with academia and industry experts.