

B.TECH. CSE (DATA SCIENCE)

Data Science is an interdisciplinary field of Statistics, Computer Science, Machine Learning and Domain Knowledge. It extracts knowledge from massive data using various data models, scientific methods, processes, algorithms and systems for better decision making. This 4-year undergraduate course of Computer Science & Engineering with specialization in Data Science is designed to equip the students with Mathematical Reasoning and Statistical Skills, Machine Learning, Knowledge Discovery, Databases and Visualization concepts.

SCOPE OF DATA SCIENCE

- ❖ The prospect of using smart devices and of digitizing various industries generates massive amounts of data every day. With this exponential growth, Data Science is the most emerging field in this digital era and remains a top technology driving the entire business space.
- ❖ It provides IT jobs with a wide margin range, both public and private sectors, financial services, retail and healthcare industries.

COURSE OBJECTIVE

- ❖ This course will introduce students to this rapidly growing field and equip them with some of its basic principles and tools as well as its general mindset.
- ❖ Students will learn probability distributions to know the nature of data in order to fit a more appropriate model to data.
- ❖ Students will learn concepts, techniques and tools they need to deal with various facets of data science practice, including data collection and integration, exploratory data analysis, visualization, analyze them, and discover useful information to suggest solutions to some of the greatest challenges.
- ❖ This course is the right choice for you, if you are a logical thinker with strong analytical curiosity to understand complex behaviours.

B.TECH. CSE (DATA SCIENCE) – JOB ROLES

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| ● Big Data Architect. | ● Database Administrators |
| ● Big Data Project Manager | ● Data Architects |
| ● Big Data Specialist. | ● Data Visualizers |
| ● Big Data Analyst. | ● Data Engineers |
| ● Big Data Engineer. | ● Data Ecologists |
| ● Big Data Developer | ● Data Science Consultant |
| ● Data Technologies Specialist | ● Quantitative Analyst |

DATA SCIENTISTS – DEMANDED BY

- AVO
- Pramerica
- Dassault Systems
- Zinnov
- Delium
- S&P Global
- Wipro
- Facebook
- Google
- IBM
- Microsoft
- SPI Global
- Accenture
- Conde Nast
- HCL
- Arya.ai
- Finnovation Tech Solutions
- Applied Materials
- JpMorgan
- Samsung(R&D)
- Bridge2i Analytics Solutions
- BlueRose Technologies Pvt. Ltd.
- Litmass Analytics
- Al mug.ai
- Akakie Tech
- Orange Business Services
- Delhivery
- Loksun Technology
- Ray Business Technologies
- Zoho
- Fidelity Investments
- Matelabs
- Customer Analytics
- AI Enterprise Inc
- GSPANN
- BenevolentAI
- Deutsche Telekom
- Tech Mahindra Limited.
- Sigma Data Systems
- SetuServ
- Webtunix AI
- INCN Technology
- Stratahive Services Private Limited
- Notionmind