**Computer Science & Engineering – Data Science**

Course Overview

Computer Science & Engineering – Data Science at ABES Engineering college

The ABES Engineering College offers four-year under-graduate B.Tech.(CSE) course with specialization in **Data Science** with an intake of 180 seats. Data Science is a new, exponentially growing field which consists of a set of tools and techniques used to extract useful information from data. Data Science is one of most demanding courses all over the globe and it has tremendous jobs in coming years. The programme encompasses data Science as an interdisciplinary, problem-solving oriented subject that learns to apply scientific techniques to practical problems. This specialization covers data analysis, data inference, algorithm development, and technology to analytically solve complex problems.

The main objective of this programme is the learn algorithms and concepts to use on enormous data in creative ways to generate business value. Data Scientist helps the companies to make smarter business decisions. This course is a mix of practical classes and self-study during the preparation of datasets and programming of data analysis tasks. This programme will train you in analysing the huge amount of data and presenting it in the best visualization manner.

The students shall be industry ready after practicing these Data Science based algorithms, techniques and tools and their applications to varies industries. The students will explore the practical components and analysing the data and extracting meaningful information out of huge amount of data. This degree will give expertise in problem solving, analytical skills along with the ability to design intelligent solutions for various business problems.

#### World Perspective

As per the international report of 2021, data science is still in the top #3 from a job perspective and one of the demanding technologies worldwide.

#### INDIAN SCENARIO

There is a huge demand of data scientist in the Indian market, and it is still one of the top 5 technologies from the job perspective in IT industry. As per the NASSCOM report, there will be a need of about 2 lakhs data scientists in India over the next few years.

* #Ranked 1 in AKTU (As per AKTU First Year Results) to offer the B.Tech. (CSE) with Data Science Specialization.
* Industry Academia connect for real project exposures on Data Science.
* Project/product-based learning through solving real world problem solving
* Advanced training and research centers
* Well qualified faculties to meet the demand of industry and academia.

#### TOOLS

* Google Analytics — Digital marketing cloud-based service
* Tableau, Power Bi — Data visualization tools for business intelligence
* Python, R— Programming languages used to perform complicated analysis with a few lines of code

#### Career path you can choose after the course

* Data Scientist
* Data Analytics
* Data Science Architect
* Database Administrator
* Data scientist in research and development industries like IBM, Adobe, Microsoft.