SDBI School of Data Science & Business Intelligence

THINK FUTURE THINK DATA SCIENCE

UNIVERSITY OF MUMBAI'S ONLY DEGREE PROGRAMMES IN DATA SCIENCE AND BUSINESS ANALYTICS

University of Mumbai

Data Science

Large amounts of data is generated by, and available to business and organisations. The ability to understand data, process it, extract value from it, to visualise it, to communicate it sums up the role of a data scientist in the simplest of terms.

Data Science is a multi-disciplinary field that uses statistical methods, scientific processes, algorithms and systems to extract knowledge and insights from structured and unstructured data.

Business Analytics

Business analysts are the people that have the needed knowledge, skills, and sources of information to decide on the direction the business needs to take to succeed in the future.

Graduates in Business Analytics work at large companies, start their own businesses, work in banks or FinTech, web-based businesses, retail and food companies, media companies, and marketing companies.

IBM predicts demand for Data Scientists will soar **28%** by 2020

experience over 5+yrs. **₹75** Lacs annum

94% Graduates got Jobs since 2011

Shortage of about **190K** Data Scientists

Shortage of about **1.5M** Business Analyst

Data Mining skills ranked **#1** in the list of 25 hottest skills of 2014 on LinkedIn

One of the indicators that data science careers are well-suited for the future is the dramatic increase in data science job posts. Statistics from Indeed.com show a steady increase in the number of data science jobs listed over the years. More specifically, there has been a 256 percent increase in them since 2013, which suggests companies recognize the worth of data scientists and want to add them to their teams.

Eight ways a Data Scientist can add value to any business

About SDBI

Founded in 2018, SDBI is a premier education institute providing a leading-edge practical learning Data Science program.

Recent years have seen a huge upsurge in the amount of data that is generated by, and is available to business and organisation. The ability to extract value from this data is in essence the role of a data scientist. We curated a degree in Data Science which is a perfect blend of theory, case-studies and hands-on practicum.

With the changing job dynamics and opportunities, its vital for students to back their careers with a degree which would make a mark. The program has been designed by eminent industry experts with the aim to bring education in sync with the workplace realities.

COURSES OFFERED

courses are open for students of all streams

- B.Sc. in Data Science and Business Analytics
- M.Sc. in Data Science and Business Analytics
- Diploma in Data Science

Key Highlights

FACULTY:
- Industry Experts and Academicians
- 20+ Years of Cumulative Experience

PRACTICAL LEARNING:
- Capstone Projects, Job-Oriented Training, Industry Connect, Mandatory internship

LEARNING MANAGEMENT SYSTEM:
- Revisit, Rethink and Revise lectures anywhere, anytime

PLACEMENT CELL:
- Guidance for future career
- Resume building
- 100% Job Placement Assistance

GLOBAL REACH:
- International tie-ups and internship opportunities

JOB-READY:
- Platform enabling students to take lucrative career paths

"INFORMATION IS THE OIL OF 21ST CENTURY AND ANALYTICS IS THE COMBUSTION ENGINE"

- Peter Sondergaad

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www.sdbi.in

B.Sc. in Data Science and Business Analytics

Industry driven comprehensive curriculum

Course Eligibility

Semester 01

1. Probability and statistics
2. Linear Algebra and Basics of Calculus
3. Basics of Object-Oriented Programming
4. Excel Analytics
5. Introduction to Python Programming

Semester 02

1. Inferential statistics
2. Data Structures
3. DBMS – Database management system
4. Introduction to R Programming
5. Application of Statistics using Python
6. Automation and Products in Excel - VBA

Semester 03

1. Design and Analysis of Algorithms
2. Algorithms in R & Python
3. Fundamentals of Operating Systems
4. Time Series Analysis
5. Data Visualisation Using Power BI
6. Big Data Architecture and Ecosystem

Semester 04

1. Fundamentals of Pattern Recognition
2. Pattern Recognition in R and Python
3. Data Security
4. Distributed Processing using Hadoop
5. Data Mining and Warehousing
6. Web and Social Media Analytics

Mandatory Internship

Semester 05

1. Machine Learning
2. Machine Learning in R & Python
3. Next Generation data bases
4. Image and Video Analytics
5. Internship

Choose elective of Specialization

Semester 06

1. Introduction to Cloud Computing
2. Latest trends in Internet Technologies
3. Application using Apache Spark and Scala
4. Business Communication
5. Business Intelligence Reporting
6. Project Work - Elective
   a. Finance Analytics
   b. Marketing Analytics

Frequently Asked Questions (FAQs)

1. What career opportunities does the B.Sc. in Data Science and Business Analytics program open up to?

From Fitbit to Facebook, from Trump's Election speech to Jio, the scope of work for Data Science is extensive. This one of a kind degree aims at providing students career opportunities as a Data Scientist in various domains like.:

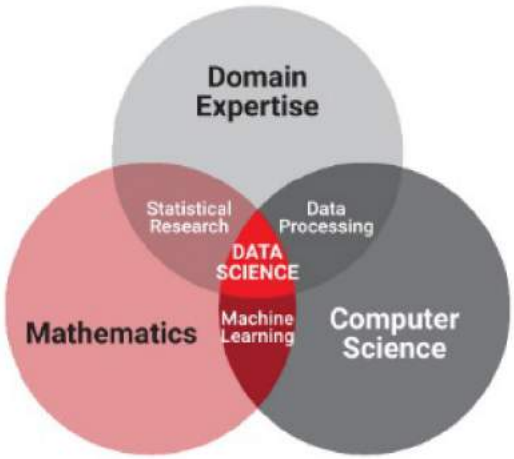
- Ecommerce
- Supply Chain Management
- Financial Institutions like Banks, Hedge Funds
- Health Care
- Human Resource
- Marketing

2. What is the eligibility criteria for admission in BSc program?

- Write our QAT exam to secure a seat or score 75% in 12th board for Direct admission.
- QAT test will be based on Maths, English and Statistics.

3. How does B.Sc. in Data Science and Business Analytics differ from Engineering and Computer Science Courses?

Data Science is an amalgamation of Mathematics, Computer Science and Domain Expertise. A combination of machine learning, statistical research and data processing is what makes a data scientist.



4. Fee Structure

For B.Sc. in Data Science and Business Analytics: **Rs. 1,18,000** per semester (approx).

Fees includes tuition fee, library fee, exam fee, university charges, study material fee and industry training fee.

5. What is the Pay After Placement Scheme?

In the interest of students, we have launched this scheme wherein the eligible student has to pay the course fee only after he/she gets a job.

Eligibility Criteria: Personal Interview Round and at least 85% in 12th Grade

Scheme Structure:

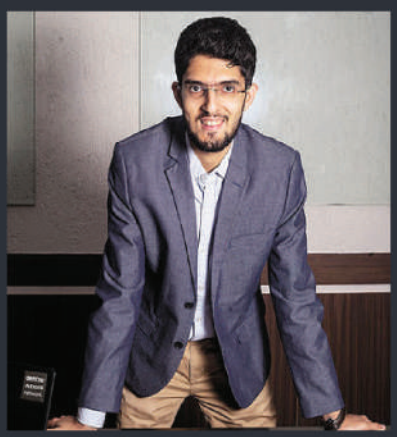
- Enrol for the 3-year full-time bachelors in Data Science and Business analytics program and pay only Rs 65,000 each year.
- Only after getting a job, pay rest of the balance fees.

ENROL TODAY FOR THE MOST SOUGHT-AFTER PROFESSION!

Advisory Board

Sauvik Banerjjee

- CTO at TATA Digitals
- TedX Speaker, MIT Starter Hub Mentor
- Ranked one of the top 6 technologists globally



Abhinay Bhasin

- Director at Dentsu Aegis Network
- Forbes 30 under 30

Sunil Kharbanda

- Senior Partner- Digital and Technology Mazars, India
- 25 years in building large business management portfolios

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