Think
Future
Think
Data Science

Bachelors in Data Science & Business Analytics

Accredited by University of Mumbai.

Patkar Varde College, Accredited (A+) by NAAC

Data Science

Large amounts of data is generated by, and available to business and organsations. 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 & insights from structured and unstructured data.

Business Analytics

Business analytics are the people that have the needed khowledge, 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 business, retail and food companies, media companies, and marketing companies

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India's data science market is expected to achieve compound annual growth rate (CAGR) **30%** from 2020 to 2025.
Analytics India Magazine

India is projected to have job **1.5lakhs** openings for data scientists and analysts by 2026
Economic Times

Global big data and business analytics market is forecasted to reach **$274.3** billion by 2025
Statista

In the US, data science is the second fastest-growing job with a yearly growth rate of **31%**

Deloitte's survey indicates that **70%** of companies intend to boost their investment in data analytics in the coming year.

World Economic Forum (WEF) predicts that the world's most in-demand skills by **2022** will be data analysis and artificial intelligence (AI).

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 suggest companies recoginize the worth of data scientists and want to add them to their teams.

Eight Ways Data Science Add Value to Any Business

1 Make better business decisions

2 Enterprise goal-setting based on data insights

3 Adopt best practices

4 Identifying opportunities

5 Decision making with quantifiable, data driven evidence

6 Testing these decisions

7 Identification & redirection of target audiences

8 Recruiting the right talent for the organization

About SDBI

SDBI is premium education institution offering new-age practical learning courses in Data Science

We exist with an aim to provide the students with felicitous skills required to excel in the industry, acting as a bridge between industry requirentments/demands and supply, we make our students future ready with power packed amalgamation of practical and academic expertise in this field..

All the programs are specifically designed and taught by the experts of the industry to bring a sync between education and the workplace realities

Courses Offered

Courses are open for students from all stream

- B.Sc. in Data Science and Business Analytics

- M.Sc. in Data Science and Big Data Analytics

- PG Diploma in Data Science and Business Analytics

Key Hightlights

Registration fees - 25,000

Faculty:
- industry Experts and Academicians
- 20+ Years of Cumulative

Practical Learning:
- Capstone Projects, Job-Oriented Training, Industry Connect, Mandatory Intership

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

Faculty In SDBI

Bhavya Manojkumar Goradia

Experienced Data Scientist and Visiting Faculty with a 4+ year track record in Data Science and Analytics. Collaborated with top companies such as FedEx, Ulysses Systems, STP Consulting, Kotak Mahindra Bank, and eClerx Services.

Priya Pednekar

Experienced faculty member with 15 years of teaching at undergraduate, graduate, and postgraduate levels. Expertise in Database, SQL, Data Mining, Operating Systems, IoT, Information Governance, and Computer Networks.

Awesh Bhornya

Academician and Corporate Trainer specialized in Database and Data Visualization tools such as Excel, SQL, Power BI, and Tableau. Expertise in Online Education, Digital Marketing, Data Analytics, Statistics, Data Visualization, Data Modeling, and Data-Based Dashboards.

B.Sc. in Data Science & Business Analytics

Course Eligibility

- 12th Passed (From any stream)

• Semester 1
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 2
1. Inferential Statistics using Python
2. Data Structures
3. Database Management System - DBMS
4. Introduction to R Programming
5. Automation and Products in Excel - VBA

• Semester 3
1. Design and Analysis of Algorithm
2. Fundamentals of Operating Systems
3. Big Data Architecture and Ecosystem
4. Time Series and Predictive Analytics
5. Data Visualization-Using Power BI

• Semester 4
1. Fundamentals of Pattern Recognition
2. Web and Social Media Analytics
3. Business Communication
4. Distributed Processing using HADOOP
5. Data Mining and Warehousing

Mandatory Internship

• Semester 5
1. Machine Learning (in Python)
2. Latest Trends in Internet Technology
3. Next Generation Databases
4. Image and Video Analytics
5. Internship

Semester 6
1. Introduction to Cloud Computing
2. Natural Language Processing
3. Application using Apache and Scala
4. Information Governance & Data Analysis
5. Electives

Project of curriculum

Project work – Electives
Financial Analysis | Marketing Analysis

- Predictive modeling for privacy risk assessment
- Privacy in wearable devices
- Privacy-aware recommendation systems

- Detecting fraud in transactions or other areas using models.
- Recommendation systems suggest items to users based on their preferences and behaviors
- Analyzing time-based data to predict patterns and trends

Industry Internships

- Technology: software development , data science, artificial intelligence, and cloud computing & machine learning
- Finance: investment banking, risk management, and financial analysis.
- Healthcare: medical research, clinical trials, and health informatics
- Marketing: digital marketing, market research, and advertising.
- Retail: management, e-commerce, and sales

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

- **1.** Data Scientist
- **2.** Machine Learning Engineer
- **3.** Data Analyst
- **4.** Business Intelligence Analyst
- **5.** Big Data Engineer
- **6.** Data Governance Specialist
- **7.** Predictive Modeler
- **8** Many More
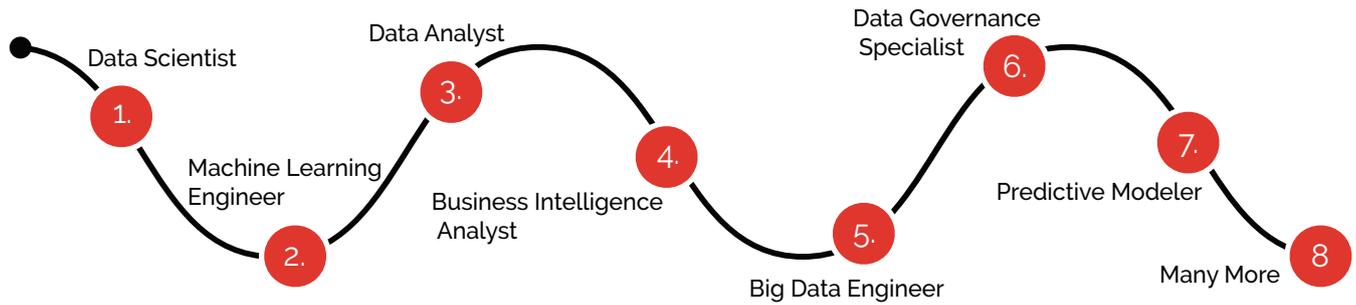
2. What is the eligibility criteria for admission in BSc program?

- **PRE Admissions**
  - 40% of the seats filled during pre admissions by clearing the Entrance Exam QAT before 31st April 2023
  - Admissions 2023 - Remaining seats are filled based on 12th Std marks and/or QAT after 12th results are out

  Students of Commerce/Science stream (with math subject) and scored more than 75% in XIIth can apply for Direct Admission

- **Eligibility Criteria For Science (with math) Background Students**

  - Above 75% in 12th - Eligible for Direct Admission
  - Below 75% in 12th - Apply for QAT

- **Eligibility Criteria for Non-Science (Commerce) background Students.**

  Students with different educational backgrounds should apply for QAT Test.
  Candidate must score 50% in the QAT Exam to get admission

- **What is QAT?**

  QAT (Quantitative Aptitude Test).
  This is an MCQ based test.
  Every Saturday from 2:00 p.m. to 4:00 p.m QAT test is conducted.
  Total marks - 100
  Syllabus -
  Math and Statistics (70%) and Verbal/English Ability (30%)
  Passing Marks:- 50 %
 Incorrect Answer :- 25 % Negative marking
  Registration fees :- 1000rs

For QAT

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

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.
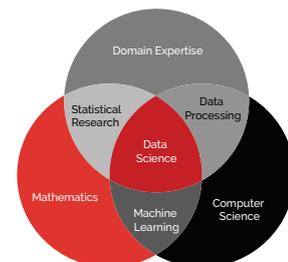
4. Fee Structure

B.Sc. in Data Science & Business Analytics
First Year- 2,38,151 | Second Year- 2,51,131 | Third Year - 2,77,381

- Scholarship upto 30% on the fees is available based on academic credit OR Financial aid support
- Fees includes registration fees, tuition fee, library fee, exam fee, university charges, study material fee and industry training fee.
- Fees can be paid on monthly basis
- Education Loan Available :- HDFC, ICICI Bank & NKGSB Bank

Pre- admission Registration fees :- 25,000

5. How to enroll for a course at SDBI?

Follow these easy steps to enroll for a course at SDBI

- Head over to sdbi.in
- Click on register button
- Register yourself using your email id
- Login using your registered email id
- Fill in all your details and upload marksheets/certificates
- Your application will now go under review by the admissions team
- Once approved, you can pay the registration fees(For B.Sc - INR 25,000) and secure a seat

Our **Students**

Ishika Kedia
Company
Alison

Sharvari Avhad
Company
Dun&Bradstreet

Jaden Tony Varghese
Company
Ascent Pharma

Ishmeet Kaur Mutti
Company
Only Much Louder

Advisory **Board**

Sauvik Banerjee
- Chief Executive officer at Resolve Limited
- TedX Speaker, MIT Starter Hub Mentor
- Ranked on of the top 6 technologists globally

Abhinay Bhasin
- Vice President at Dentsu Aegis Network
- Featured in the 2019 Forbes 30 Under 30 list.
- TEDx talks on topics in advertising and the future of talent.

Sunil Kharbanda
- Co-Founder & CRO at TreZix Innovation
- 29 years of experience in building large business management portfolios.
- Board Advisor at Opkey

Frequently Asked Questions **(FAQs)**

1) What is Data Science?
Data Science is an interdisciplinary field that involves the extraction, analysis, and interpretation of data to solve complex problems and make data-driven decisions.

2) What skills do I need to become a data scientist?
To become a data scientist, you need strong skills in mathematics, statistics, and programming, as well as the ability to work with large and complex data sets. You should also have excellent communication skills, as data scientists often need to present their findings to stakeholders who may not have a technical background.

3) What programming languages do I need to know for data science?
Some of the most commonly used programming languages for data science include Python, R, and SQL. You may also want to learn programming languages such as Java,, and MATLAB, depending on your specific needs and the type of work you plan to do in data science.

4) What should I expect from the BSc program in Data Science and Business Analytics?
As a part of our BSc in Data Science and Business Analytics curriculum, you can expect the following –
1. 3 years full-time undergraduate course.
2. Includes Mandatory Internship.
3. Industry connects sessions.
4. 10 + programming tool and languages

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