SDBI | School of Data Science & Business Intelligence

Think
Future
Think
Data Science

Bachelors in Data Science & Business Analytics

(As Per NEP)

Accredited by University of Mumbai

Patkar Varde College, Accredited (A+) by NAAC

Data Science

Large amounts of data is generated, & 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 & systems to extract knowledge & insights from structured and unstructured data.

Business Analytics

Business analytics are the people that have the needed khowledge, skills, & 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 & food companies, media companies, & marketing companies

30%
India's data science market is expected to achieve Compound annual growth rate (CAGR) from 2020 to 2025

1.5 Million
Business analysts needed today

1.5 Lacs
India is projected to have job openings for data scientists and analysts by 2026.

40 trillion
Giga bytes old data to be generates by the end of 2020

94%
Deloitte's survey indicates that of companies intend to boost their investment in data analytics in the coming year.

2024
The world economic forum's future of jobs 2023 report finds analytical thinking. Creative thinking And AI and big data will be top in demand skills by 2027.

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 recognize the worth of data scientists and want to add them to their teams.

Eight Ways Data Science Adds 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..

Al 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 available for all stream students*

- 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

Program Key Hightlights

Pre-Registration fees - 25,000

Faculty

Our faculty comprises seasoned professionals with over 20 years of combined experience from both industry and academia.

Placement Cell

Our placement cell offers personalized guidance & 100% job placement assistance, helping students navigate their career paths with confidence.

Global Reach

Through our international tie-ups & internship programs, students gain access to a global network of opportunities, enhancing their professional growth and development.

Learning Management System

Our innovative learning platform allows students to access lectures anytime, anywhere, fostering a culture of continuous learning and improvement.

Job Ready

Our program is designed to equip students with the skills & knowledge needed to excel in their chosen career paths, ensuring they are ready to hit the ground running upon graduation.

Practical Learning

Our curriculum emphasizes hands-on experience through capstone projects, job-oriented training, and industry connections, ensuring students are well-prepared for the workforce.

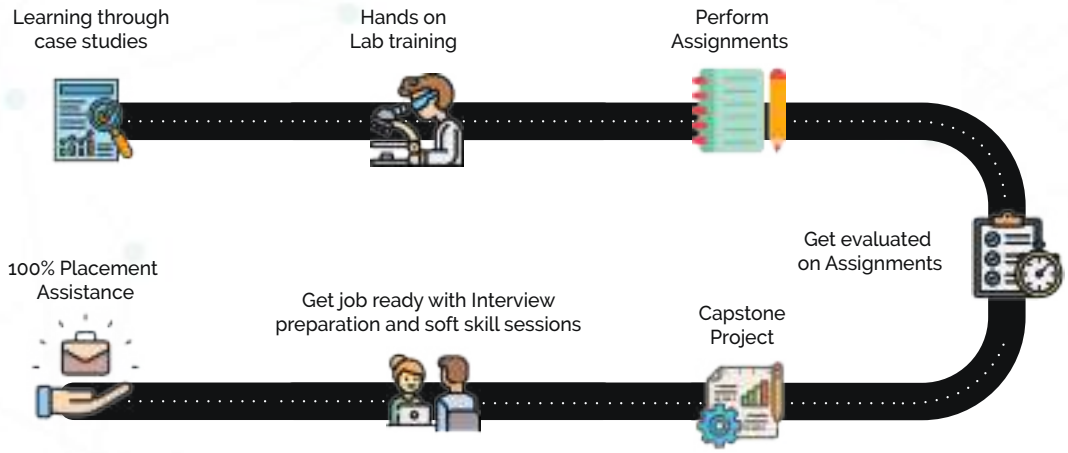
> "In the next two to three years, consumer data will be the most important differentiator. Whoever is able to unlock the reams of data and strategically use it will win."
>
> -Eric McGee

Why should choose SDBI?

R	E	S	U	L	T
Research based syllabus	Experts from all over the globe	Students Responsibility	Understanding what our student want	Learning Management System	Training students to be job-ready

Tools Taught at SDBI

SDBI Students' Learning Paths



1. What is the eligibility criteria for admission in BSc in Data Science program?

- Pre admission

40% of the seats filled during pre admissions by clearing the Entrance Exam QAT before 30th June 2025
Admissions 2025 - 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.

2. Eligibility Criteria For Science (with math) Background Students

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

3. 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

Pre - Admission Alert

1. Pre-admission Application

Applications for pre-admission will close on **30th March 2025**

- The evaluation will be based on the Letter of Intent submitted for pre-admission
- Scholarships will be decided based on the interview and Letter of Intent

Application Start
15th Decmber 2024

Application Closed
30th March 2025

Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
Registration	Submission	Review	Interview	Offer	Enrollment
Complete the application form & upload required documents	Upload your pre-admission letter to the SDBI portal	SDBI reviews applications to shortlist candidates based on quality	Attend an interview for scholarship consideration	Receive your pre-admission & scholarship offer letter	Confirm your admission by March 30th, 2025

Scan the QR Code to complete your registration

2. Scholarship Test for Pre-admission

Scholarship registration will close on **15th May 2025**

- Scholarships will be awarded based on the marks scored in the exam.
- Exam Date: **31st May 2025**

Application Start
1st April 2025

Application Closed
15th May 2025

3. Provisional Test for Pre-admission

Students must take the **QAT Exam** for provisional pre-admission.

- The test can be scheduled on **any Saturday**, as per the student's convenience.
- Scholarships will be determined based on **academic performance and financial status**

Application Start
1st May 2024

Application Closed
The university will continue to accept applications until the admissions process is officially closed.

4. Fees Structure

	Actual Fees	Fees After 50% Scholarship
First Year	2,40,416	1,20,208
Second Year	2,54,396	1,27,198
Third Year	2,80,546	1,40,273

- Fees includes registration fees, tuition fee, library fee, exam fee, university charges, study material fee and industry training fee.
- Fees can be paid on a monthly basis
- Education Loan Available :- HDFC, ICICI Bank & NKGSB Bank

Pre- admission Registration fees :- 25,000

5. 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

6. How to enroll for a course at SDBI?

Follow these easy steps to enroll for a course at SDBI

1. Head over to sdbi.in
2. Click on register button
3. Register yourself using your email id
4. Login using your registered email id
5. Fill in all your details & upload marksheets/ certificates
6. Your application will now go under review by the admissions team

B.Sc. in Data Science & Business Analytics

Course Curriculum (As Per NEP)

• Semester 1

• MAJOR COURSE
Probability and Statistics

• MINOR COURSE
Object Oriented Programming in JAVA - Theory
Object Oriented Programming in JAVA - Practical

• Open Electives
Linear Algebra and Basics of Calculus
Fundamentals of Analytics using EXCEL
VSEC - Introduction to Python Programming
VEC - Introduction to Emerging Technologies
IKS - Indian Knowledge System

• Semester 2

•MAJOR COURSE
Introduction to Data Science and Analytics
Inferential Statistics using Python

•MINOR COURSE
Data Structures using Python Theory
Data Structures using Python - Practical

• Open Electives
OEC - Data Analysis with R Programming
Advanced Analytics using EXCEL
VSEC - Database Management Systems
Database Management Systems - Practical
AEC - Personal branding and Networking
VEC - Generative AI and Prompt Engineering

• Semester 3

• MAJOR COURSE
Data Mining and Warehousing (Theory + Practical)
Time Series and Predictive Analytics

• MINOR COURSE
Big Data (Theory + Practical)

OE1 - Data Visualisation using PowerBI
VSEC - Full Stack Web Development
IKS - Computing Science in Ancient India
AEC - Critical Thinking and Soft Skills

• Semester 4

•MAJOR COURSE
Machine Learning (Theory + Practical)
Cloud Computing

•MINOR COURSE
Next Generation Databases (Theory + Practical)

OE1 - Web and Social Media Analytics
VSEC - Fundamentals of Cyber Security
AEC - Career Development: Interview Preparation

• Semester 5

Machine Learning
Machine learning in R and Python
Next Generation Databases + Practical
Image and Video Analytics
Internet of Things
Internship

• Semester 6

Introduction to Cloud Computing + Practical
Apache and Scala + Practical
Natural Language Processing + Practical
Ethics in Technology
Project Work-Elective

Projects of Curriculum ⟷

Financial Analysis
Marketing Analysis

- Predictive modeling for privacy risk assessment: Build a predictive model that uses various data sources to estimate the risk of privacy breaches.
- Natural Language Processing (NLP): Building NLP models for tasks such as sentiment analysis, topic modeling, or text classification.
- Fraud detection: Developing models to detect fraud in financial transactions or other areas.
- Machine learning: Applying machine learning algorithms such as decision trees, neural networks, or k-means clustering to solve real-world problems.
- Big data: Working with large data sets and technologies such as Hadoop, Spark, or NoSQL databases to extract insights and solve problems.
- Data visualization: Creating visualizations to help analyze and understand complex data sets.

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

Placement Details

BSC 2024

Highest	8 lpa
Average	6 lpa
Median	4 lpa

MSC 2024

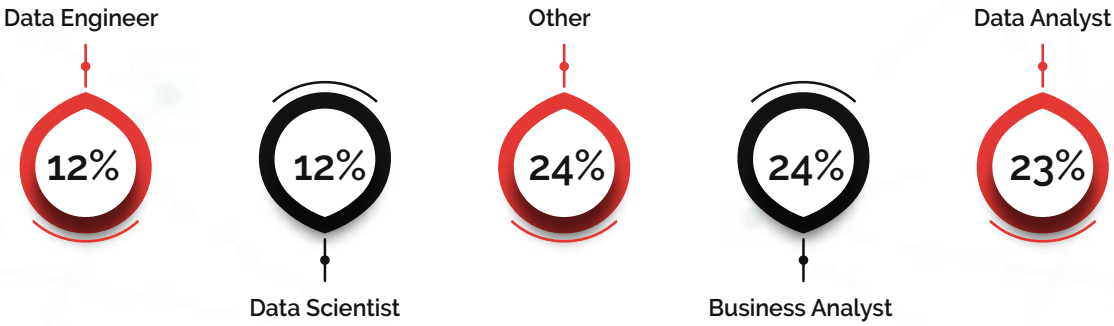
Highest	10 lpa
Average	8 lpa
Median	6 lpa

48 Legacy Recruiters

13 New Recruiters

60% 60% of the Students get PPO during the internship itself!

Placement Report



Companies

haptik, Jhunjhunwala Group, AEGON Life, IIFL, AIQ Quest, Alison, CRED, cogoport, Mazars, Capgemini, ICICI Bank, TCS, Ascent, CONVERZAI, Conversion.ai, CitiusTech, dun & bradstreet, MarshMcLennan

Our Student Speak

Samyak Sheth

B.Sc batch of 2019-2022

SDBI believes in "Think Big, Think Beyond." The entire team of SDBI puts an amazing effort in shaping our dreams into wonderful opportunities for us. All the teachings here are a complete mixture of theory, practicality and a list full of real-world examples which makes learning easy and interesting.

Ishika Kedia

B.Sc Batch of 2020-2023

Enrolling in this program has been a highlight for me. I couldn't have expected better faculty, a better degree, and better friends. Someone once said "Your college life and the degree you choose shape your entire life" and I really like how my life is turning out for me!

Nishi Kapadia

B.Sc batch of 2021-2024

The course offers a balanced mix of theory and practical applications. Instructors possess deep subject knowledge and effectively impart it to students. Internships provide invaluable real-world experience, enhancing essential skills in professional settings.

Faculty In SDBI

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.

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.

Praveen D. Chougale

With expertise in quantitative research, model building, and strategic decision-making, I focus on bridging data and actionable insights. My collaborative approach and passion for analytical tools drive innovation and excellence in Probability and Statistics.

Advisory Board

Sauvik Banerjee

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

Sunil Kharbanda

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

Abhinay Bhasin

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

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 are the main programming languages used in data science, and why might someone choose one over the other?

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.

Contact Us-

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