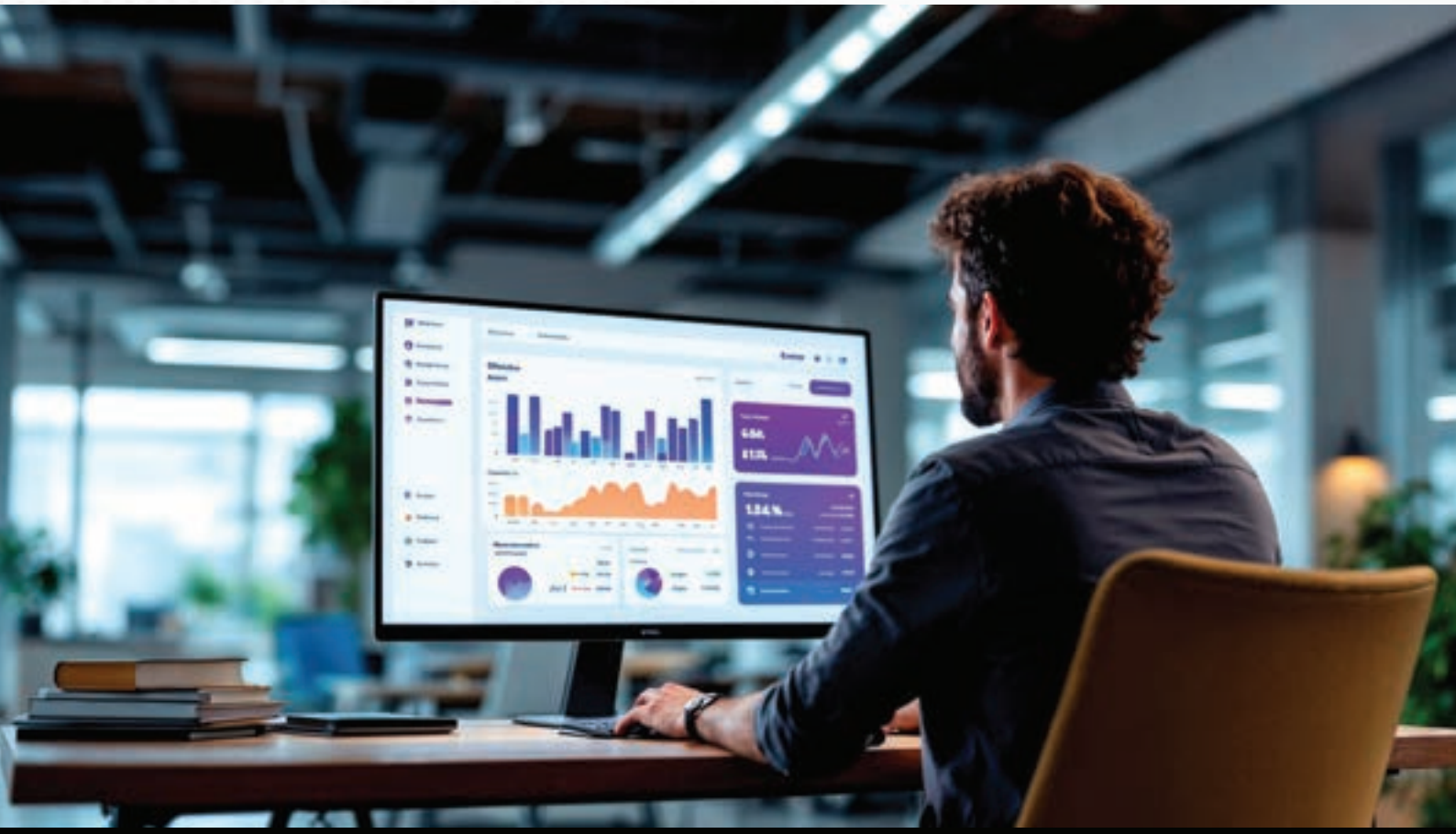
SDBI | School of Data Science & Business Intelligence



Think **Future** Think **Data Science**

Masters in Data Science & Big Data Analytics

(As Per NEP) | Accredited by University of Mumbai

2 Years	4 Semesters	NEP Aligned	PG Degree	100% Placed
Duration	Full Programme	New Education Policy	University of Mumbai	2024 M.Sc. Batch

13 LPA	10 PLA	60%	48+	5 Years
Highest Package	Average Package	Pre-Placement Offer (PPO) Rate	Recruiter Network	Consistent Placements

Patkar Varde College, Accredited (A+) by NAAC

Data Science

Large amounts of data are generated, & available to business and organizations. 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 knowledge, 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 suggests 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 requirements/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

Open for students from all streams

Courses Offered

- 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 - 30,000

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

What M.Sc. Students Learn

- Advanced data analysis using **statistical modelling and real-world datasets**
- Programming for data science using **Python and R** for scalable solutions
- Data management using S**QL and advanced database systems**
- Machine learning and predictive modelling techniques
- **Deep learning and AI applications** in real-world scenarios
- Big data technologies and distributed systems **(Hadoop, Spark)**
- **Natural Language Processing (NLP)** and forecasting techniques
- **Participation in technical events, TechJam, and student-led initiatives**

These skills prepare students for advanced roles such as Data Scientist, Machine Learning Engineer, and Analytics Consultant.

Tools Taught at SDBI

Programming & Data Science

Python · R · SQL

Data Analytics & Visualization

Excel · Power BI · pandas · NumPy · matplotlib

Big Data Technologies

Hadoop · Spark · Apache Pig · Hive

Cloud & Modern Technologies

aws · mongoDB. · HubSpot

All tools are taught through hands-on labs, assignments & real-world projects aligned with industry requirements

Life at SDBI

Building confidence, leadership and team skills beyond academics

Cultural Club

Tech Club

Gaming & Sports Club

Personality Development Club

M.Sc. in Data Science & Big Data Analytics

Course Curriculum (As Per NEP)

• Semester 1

- MAJOR COURSE
  - Database Management Systems
  - Big Data architecture and ecosystem
  - Statistical Methods
  - Python Programming
- ELECTIVE
  - Data Visualization using Power BI OR Graph Analytics
  - R Programming OR Robotic Process Automation
- RESEARCH
  - Research Methodology

• Semester 2

- MAJOR COURSE
  - Machine Learning
  - Distributed Processing using HADOOP
  - Advance SQL
- ELECTIVE
  - Modelling Techniques or Text Mining and Information Retrieval
  - Business and Machine Communication OR Geospatial Data Analysis
- INTERNSHIP/FIELD
  - Project Work

• Semester 3

- MAJOR COURSE
  - Time Series Analysis and Forecasting
  - Next generation Database
  - Natural Language Processing
  - Data Mining and Warehousing
- ELECTIVE
  - Web and Social Media Analytics OR Supply Chain Analytics
  - Internet of Things OR Sports Analytics
- RP
  - Research and Project Work

• Semester 4

- MAJOR COURSE
  - Programming in Scala and Spark
  - Principals of Deep Learning
  - Cloud Computing
- ELECTIVE
  - Information Governance and Data Analysis OR Fundamentals of Cyber Security
  - Marketing Analytics / Financial Analytics
- RP
  - Internship / Project Work with Industry

Programme at a Glance

Duration	Structure	Level	Framework	Affiliation	Batch Type
2 Years	4 Semesters	Postgraduate Degree	NEP 2020 Aligned	University of Mumbai	Regular Weekday

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, & 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

Mandatory internship is part of the program for real industry exposure.

Placement Highlights (2025–26)

Placement performance is based on student outcomes across recent batches

M.Sc. Data Science & Big Data Analytics

100% Placement – 2024 Batch

13 LPA	10 LPA	7 LPA
HIGHEST	AVERAGE	MEDIAN

B.Sc. Data Science & Business Analytics

11 LPA	6 LPA	4 LPA
HIGHEST	AVERAGE	MEDIAN

PG Diploma Data Science & Business Analytics

- Internship-driven program with real industry exposure
- Dedicated placement support including profile building and interview preparation
- Strong track record of students converting internships into full-time roles

Internship to Placement Pipeline

60%

Pre-Placement Offers (PPO)

Many students secure job offers during internships itself.

Recruiter Network

48 Legacy Recruiters

12 New Recruiters Added This Year

Career Outcomes — Role Distribution

Business Analyst	27%
Data Analyst	23%
Data Engineer	12%
Data Scientist	12%
Other Tech Roles	26%

Industry Placement — Sector Distribution

Finance	54%
Marketing	22%
Human Resources	14%
Operations	10%

Placement Readiness Framework

At SDBI, students are guided to build strong placement readiness through:

- Consistent academic participation
- Strong academic performance (A / A+ grade)
- Student Profile Rating above 8
- Active involvement in TechJam and student activities

This ensures students develop a strong professional profile and are well-prepared for career opportunities.

Our Student Speak

Aiman Shaikh

Batch: 2021
Senior Business Analyst
Package: ₹9 LPA

SDBI's structured approach and continuous mentoring helped me build strong analytical skills and grow into a business-focused role.

Ajit Prahlad

Batch: 2022
Media & Analytics Associate
Package: ₹10 LPA

The industry-focused curriculum and hands-on projects at SDBI helped me understand how analytics works in real business environments.

Gautami Rathwad

Batch: 2023
Data Scientist
Package: ₹10 LPA

SDBI provided me with deep technical knowledge and real-world exposure, which helped me confidently transition into a Data Scientist role.

Who Can Apply

1. Students who have completed a Bachelor's Degree from a recognized university can apply

Open for Students from All Academic Streams

- Science stream students (with Mathematics)
- Commerce stream students (with Mathematics)
- Students interested in careers in Data Science, AI, and Analytics

No coding background required — start from basics
Students are trained from fundamentals to advanced analytical techniques.

2. Eligibility Criteria

Students who have completed Graduation from a recognized university are eligible to apply.

- **Direct Admission**
  Students who have scored 60% or above in Graduation with Mathematics or a Technical Subject.
- **Entrance Test Requirement**
  Students who have **scored below 60% in Graduation** must appear for the QAT (Quantitative Aptitude Test) for admission

3. Fees Structure

Registration Fee: ₹50,000 (inclusive)

Year	Programme Fee	What is included
First Year	₹ 3,53,621	Tuition Fees, Registration charges, library access, examination fee, study materials, and industry training
Second Year	₹ 4,12,946	Same inclusion as Year 1- progressive year fee reflecting advanced curriculum and industry project support

Pre-Admission Registration Fee: ₹30,000 - paid at the time of seat confirmation and adjusted against the total programme fee.

Payment Options

Monthly Instalments
Fees can be paid in flexible monthly instalment throughout the academic year - no lump-sum payment is required. instalment plans align with semestertimeline.

Education Loan Assistance
SDBI works with partner banks to facilitate education loans for eligible student: **HDFC Bank | ICICI Bank | NKGSB Bank**

Scholarship Details

Pre-Admission Scholarship
Top **30** students who apply before **15th May** may qualify for up to **50%** Scholarship on the programme fee. Applicants receive priority consideration

Academic Performance Scholarship
Students may avail up to **30%** Scholarship on programme fees based on academic performance or demonstrated financial need. No academic gap years are considered for Scholarship eligibility.

4. What is QAT?

QAT is an MCQ-based entrance exam conducted by SDBI.

Duration: 2 Hours
Total Marks: 100
Passing Marks: 50%

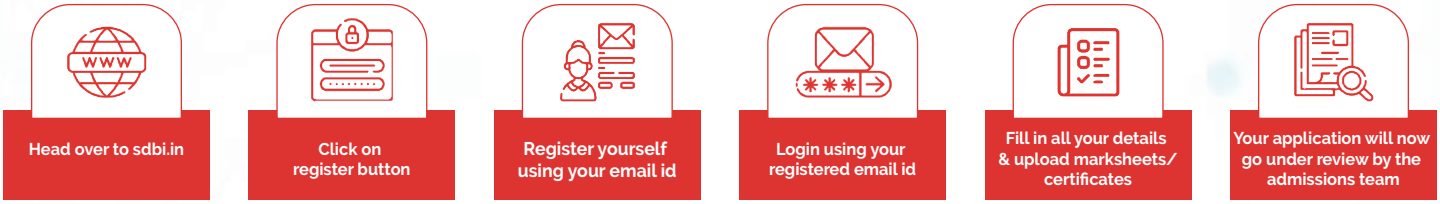
Syllabus
Mathematics & Statistics – 70%
Verbal / English Ability – 30%

Negative Marking: 25% deduction for incorrect answers
Registration fees: - 1000rs

For QAT

5. How to enroll for a course at SDBI?

Follow these easy steps to enroll for a course at SDBI



Faculty In SDBI

Parmeshwar Tiwari

Data Analyst and Marketing Specialist 4+ Years of Industry Experience A seasoned professional with a focus on data analysis & marketing analytics, specialized in identifying profit-based opportunities in Telecommunications, AdTech, Education, & Finance. Also experienced in mentoring junior team members in data and product analytics.

Priya Pednekar

Experienced faculty member with 17+ years of teaching at undergraduate, graduate, and postgraduate levels. Expertise in Database, SQL, Data Mining, Operating Systems, IoT, Information Governance, and Computer Networks.

Hameed Ansari

Experienced faculty member with 17+ years of teaching as an undergraduate. graduate, and postgraduate levels. Expertise in Database, Data mining, Systems, IoT, Information Governance, Data analytical tools & Computer Networks.

Advisory Board

Sauvik Banerjee

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

Sunil Kharbanda

- Co-Founder & 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 depending on your specific needs and the type of work you plan to do in data science.

Contact Us-

Patkar Varde College,
S. V. Road, Goregaon West,
Mumbai, Maharashtra 400104.

SDBI School of Data Science & Business Intelligence

+91 99200 53700 / +91 93727 77617

info@sdbi.in

www.sdbi.in