



# HSNC UNIVERSITY, MUMBAI

(A State Public University)



## SCHOOL OF APPLIED SCIENCES

### ADMISSIONS OPEN 2026-2027


### B.Sc. in **Data Science & Business Analytics**


- ✓ Research-Driven Learning Framework
- ✓ Immersive Boot Camps
- ✓ Extensive Industrial Visits
- ✓ Advanced AI and ML Training Sessions
- ✓ Dedicated Placement & Career Support

[Enroll Now](#)



[www.hsncu.edu.in](http://www.hsncu.edu.in)

 [datascience@hsncu.edu.in](mailto:datascience@hsncu.edu.in)

 [+91-86559-62502](tel:+91-86559-62502)

HSNC University, Mumbai

47, Dr. R. G. Thadani Marg, Worli, Mumbai – 400 018

# About HSNC University, Mumbai



**Hyderabad (Sind) National Collegiate University (HSNCU), Mumbai**, is a forward-looking State Public University built on a rich legacy of over 180 years of combined academic excellence. Anchored by its distinguished constituent colleges, **H.R. College of Commerce & Economics; K.C. College of Arts, Commerce & Science and Bombay Teachers' Training College (BTTC)**, HSNCU brings together decades of educational leadership, academic rigor and societal impact, complemented by a strong and accomplished alumni network that has made its mark across industry, academia, entrepreneurship and public life.

A UGC-approved multidisciplinary University, HSNCU seamlessly blends this strong foundation with a progressive, future-ready vision. In the past 6 years, it has expanded significantly, evolving into a dynamic academic ecosystem **with the launch of 8 specialised Schools**, spanning diverse domains such as management, law, applied sciences, performing arts, yoga, humanities and interdisciplinary studies, reflecting its commitment to holistic and contemporary education.

Guided by dynamic leadership under **Vice-Chancellor Col. Dr. Hemlata K. Bagla**, the University continues to strengthen its academic vision, institutional growth and global outlook, fostering an environment that encourages innovation, excellence and inclusivity.

At the core of **HSNCU** philosophy is the belief that education must go beyond traditional boundaries. Aligned with the vision of the **National Education Policy (NEP) 2020**, the University emphasises interdisciplinary learning, industry integration, research and experiential pedagogy, ensuring that students are equipped not only with knowledge, but with the skills and mindset required to thrive in a rapidly changing global environment.





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## SCHOOL OF APPLIED SCIENCES

**B.Sc.** in Actuarial Science & Finance  
**B.Sc.** in Sound Engineering  
**B.Sc.** in Data Science and Business Analytics  
**M.Sc.** in Data Science and Business Analytics  
**Introducing M.Sc.** in Finance  
**Introducing PG Diploma** in Cyber Security with specialization in Cyber Physical Systems



## NIRANJAN HIRANANDANI SCHOOL OF MANAGEMENT AND REAL ESTATE

Recognized by AICTE

**BMS** with Specialization in:

- Logistics & Supply Chain Management
- Global Business & International Trade
- Real Estate & Urban Infrastructure Management
- Digital Business & E-Commerce

**BBA** 3 & 4 Years (Hons)

with Specialization in:

- Marketing
- Fintech
- Human Resource Management
- Entrepreneurship & Innovation Management

**Introducing BFM** in Banking Fintech & AI

**Introducing BAF** in Forensic Accounting and Green Finance

### MBA

- Real Estate Management
- Finance
- Marketing
- Entrepreneurship
- Business Analytics

**Ph.D** in Management



## SCHOOL OF PERFORMING ARTS

**Bachelors of Arts** in Music Production  
**Bachelors** in Performing Arts in Drama & Theatre  
**Masters** in Performing Arts (Music / Dance / Drama & Theatre)  
**Ph.D** in Performing Arts



## D.M. HARISH SCHOOL OF LAW

Recognized by the Bar Council of India

**Introducing LL.M**

**B.A. LL.B** - 5 Years Integrated Program  
**BBA LL.B** (Hons) - 5 Years Integrated Program  
**LL.B** - 3 Years



## CHELLARAM SCHOOL OF YOGA AND WELLNESS

**Introducing B.Sc.** Yogic Science, Nutrition and Wellness

**Introducing M. Sc.** Yogic Science, Nutrition and Wellness

**Ph.D** in Yoga & Wellness



## SCHOOL OF INTERDISCIPLINARY STUDIES

**Introducing M.A.** in Public Policy

**Introducing M.A.** in Applied Psychology, Mental Health & Well-being

**M.A.** in Liberal Studies

**Ph.D** in Library and Information Sciences

**Ph.D** in Geography &

Environment Management



## SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

**M.A.** in Economics

**M.A.** in Sindhi

(Language Culture and Synthesis)

**M.A.** in Education

**Ph.D** in Economics

**Ph.D** in Sociology

**Ph.D** in English



## SCHOOL OF ENGINEERING & TECHNOLOGY

**B.Tech** in Computer Engineering

**B.Tech** in Computer Science & Engineering (Artificial Intelligence & Machine Learning)

**Introducing PG Diploma** in Drone Technology



## INTRODUCING

## SCHOOL OF NUCLEAR SCIENCE AND TECHNOLOGY

**B.Sc** in Nuclear Science and Technology

**PG Diploma** in Healthcare & Hospitality Management

**M.Sc** in Nuclear Science and Technology

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# HSNC UNIVERSITY, MUMBAI

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## H.R COLLEGE OF COMMERCE & ECONOMICS

### Under Graduate Degree

- **BMS** - Recognized by AICTE (Marketing; Finance; Human Resources)
- **B.Com**
- **BAF**
- **BBI**
- **BFM**
- **BAMMC**
- **B.Com** Retail Management
- **B.Com** Tourism & Hospitality Management
- **B.Com** Wealth Management

### Post Graduate Degree

- **M.Com.** in Advanced Accountancy
- **M.Com.** in Banking & Finance
- **M.Com.** in Business Management

### Ph.D

- Business Economics
- Business Policy and Administration



## KISHINCHAND CHELLARAM COLLEGE

### Under Graduate Degree

- **BCA** - Recognized by AICTE
- **BMS** - Recognized by AICTE (Marketing; Finance; Human Resources)
- **B.Com**
- **B.Sc.** (Physics - Condensed Matter Physics and Atmospheric Physics)
- **B.Sc.** (Chemistry - Advanced Industrial and Applied Chemistry)
- **B.Sc.** (Life Sciences - Neuroscience and Genetic Engineering)
- **B.Sc.** (Microbiology - Medical Microbiology & Pharmaceutical Microbiology)
- **B.Sc.** (Statistics - Business Research Analytics)
- **B.Sc.** (Mathematics – Pure & Applied Math)
- **B.Sc.** (Biotechnology - Pharmaceutical Biotechnology & Molecular Biology)
- **B.Sc.** (Computer Science - Artificial Intelligence and Machine Learning)
- **B.Sc.** (Information and Emerging Technology)
- **B.Sc.** (Web Technologies)
- **BAF**
- **BBI**
- **BFM**
- **B.A.** (Film Making & Media Production)
- **BAMMC**
- **B.A.** (Economics, Hindi, English, History, Sociology, Psychology, Political Science)
- **B.A.** (Film Making & Media Production)
- **B.A.** (Entertainment & Sports Management)

### Post Graduate Degree

- **M.Sc.** Life Science (Sustainable Development)
- **M.Sc.** (Nuclear & Radiochemistry by Research)
- **M.Sc.** (Chemistry by Research)
  - Organic
  - Inorganic
  - Physical
  - Analytical
- **M.Sc.** (Chemistry by Papers)
  - Organic
  - Inorganic
  - Physical
  - Analytical
- **M.Sc.** (Statistics)
- **M.Sc.** (Computer Science)
- **M.Sc.** (Microbiology by Research)
- **M.Sc.** (Information Technology)
- **Introducing** Masters in Strategic Communication
- **M.A.** Hindi
- **M.A.** (Communication & Journalism)
- **M.A.** (Entertainment, Media & Advertising)
- **M.A.** Psychology
- **M.Com.** Adv. Accountancy

### Ph.D

- Statistics
- Biotechnology
- Nuclear & Radiochemistry
- Chemistry
- Life Sciences
- Microbiology
- Psychology
- CS & IT
- Economics
- Hindi



## BOMBAY TEACHERS' TRAINING COLLEGE

- **B.Ed.**
- Early Childhood Education Program
- **Ph.D** in Education

ADMISSIONS OPEN



## Key People



### **Shri Jishnu Dev Varma**

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*Chancellor  
HSNC University, Mumbai  
Hon'ble Governor of Maharashtra*



### **Adv. Anil Harish**

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*Provost  
HSNC University, Mumbai*



### **Col. Dr. Hemlata K. Bagla**

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*Vice Chancellor HSNC University, Mumbai  
Director, Niranjan Hiranandani School  
Of Management And Real Estate*

## About School of Applied Sciences



**School of Applied Sciences** was the first school formed in 2020 by the HSNCU University, Mumbai. In the same year, BSc in Data Science and Business Analytics was the first course started under School of Applied Sciences. Further in 2022 MSc in Data Science and Business Analytics program was introduced. Data is the new oil. The analytics can become inputs for human decisions or drive fully automated decisions. It helps decision-makers build strategies to perform deep-dive understanding and provide descriptive, predictive and prescriptive analytics. It is used to run the business effectively and is instrumental in its growth. Business Analytics include identifying KPIs, measurement strategy, data analysis, **statistical model building, data mining**. Data Science and Business Analytics program include building Strategies, Predictive and Prescriptive analysis, forecasting, Risk Analysis, Prevention of Fraud etc. Data Scientists use their skills and provide insights into discrete data sets, build complex models and present them in Scorecard format and use the same in executive reviews to lead a data-driven discussion and decisions. Some of the impactful use of Data Science is in Management Information Systems, Financial Services, Market Research, Process Improvements, Process Excellence, End-to-End Product Management, etc. The program emphasizes both theory and modern applications of Data Science and Business analytics. It is structured to provide knowledge and skills necessary for students' employability in industry, academics, and other government and non-government organizations. The program has some unique features like independent projects, several elective courses and extensive computer training in **SPARK, HADOOP** using standard software packages like **SQL, SPSS, Power BI, MINITAB, R, Tableau, PYTHON** etc. Being a Cluster University, the department got the academic autonomy, and it has been utilized to add the new and need-based elective courses. The independent project work is one of the essential components of this program. The syllabus has been framed to possess a decent balance of theory, methods and applications. The students can study introductory courses from other disciplines like economics, life sciences, Law, Yoga, Image Consultancy, Fintech in place of optional/electives. The thrust of the course is to prepare students to enter into a promising career after graduation and provide them with a platform for pursuing higher studies resulting into post-graduation degrees.

## B.Sc.

Students of Arts, Science & Commerce with Minimum 50% aggregate in 12th or equivalent examination.

**Duration: 3 years / 6 Semesters**

## B.Sc. Honours & B.Sc. Honours with Research

Students scoring 75% or more in the first 3 years of BSc DataScience & Business Analytics will be eligible for BSc Honours.

**Duration: 3 + 1 years**

## Career Pathways in Data Science & Business Analytics

1. Data Scientist
2. Data Analyst
3. Data Engineer
4. Business Intelligence Developer
5. Database Administrator
6. Machine Learning Engineer
7. Data Architect
8. Statistician
9. Business Analyst
10. Data and Analytics Manager
11. Risk Analyst
12. Consultant

## Semester I

- Applied Probability and Statistics
- Foundation of Data Analytics using Excel
- Discrete Mathematics for Data Science and Business Analytics
- Ability Enhancement Course
- Value Added Course
- Principles of Management
- Indian Knowledge System
- Linux Fundamentals for Data Science

## Semester II

- Applied Inference and Testing
- Data Analysis using R
- Linear Algebra for Data Science and Business Analytics
- Analyzing Social Media Networks with NodeXL
- Ability Enhancement Course
- Value Added Course
- Indian Knowledge System
- Cyber Law

## Semester III

- Data Structures and Algorithm Design
- Python Programming
- Calculus for Data Science and Optimization
- Fundamentals of Microeconomics
- SEC - Visual Analytics using Tableau and Power BI
- Ability Enhancement Course (AEC)

## Semester IV

- Machine Learning-I
- Database Management System
- Advanced Statistical Modelling and Predictive Analytics
- Fundamentals of Macroeconomics
- SEC - Business Analytics
- Ability Enhancement Course (AEC)

## Semester V

- Machine Learning
- IOT and Block Chain
- Advanced optimization and Simulation Techniques

OR

- Structural Equation Modelling using SPSS
- AMOS/FOSS Software
- Data Wrangling
- Research Work

## Semester VI

- Categorical & Text Analytics
- Time Series Forecasting/  
Marketing Analytics
- Artificial Intelligence
- Data Science Case Studies
- Internship

## Semester VII

- Gen AI with Prompt Engineering
- Coding theory and cryptography
- Operations Research
- Statistical inference and design of experiments

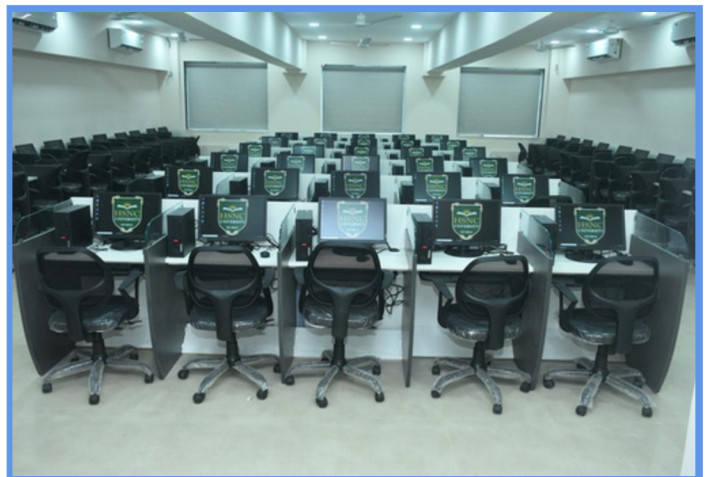
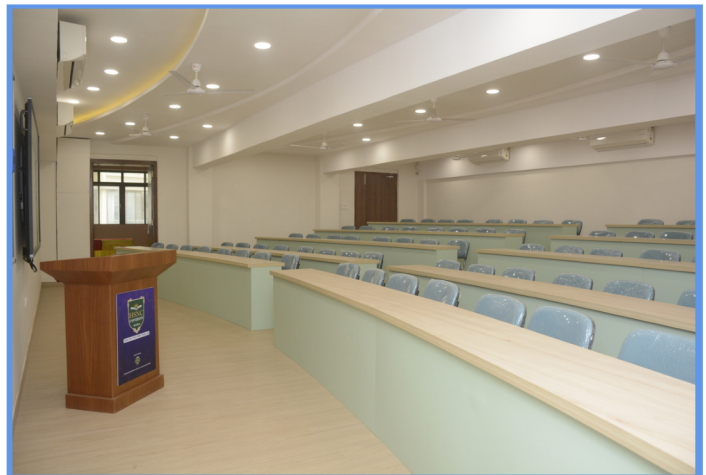
OR

- Cyber Security
- Research Methodology

## Semester VIII

- Applied Statistical Models
- Cloud Computing
- AI for Financial banking
- OR
- Financial Technology
- Research Project

# Infrastructure



## Featured Faculty



**Dr. Nidhi Singh**

*Academic Head*



**Ms. Anjali Sutar**

*Assistant Professor*



**Ms. Shweta Maitri**

*Assistant Professor*



**Ms. Shruti Agarwal**

*Assistant Professor*



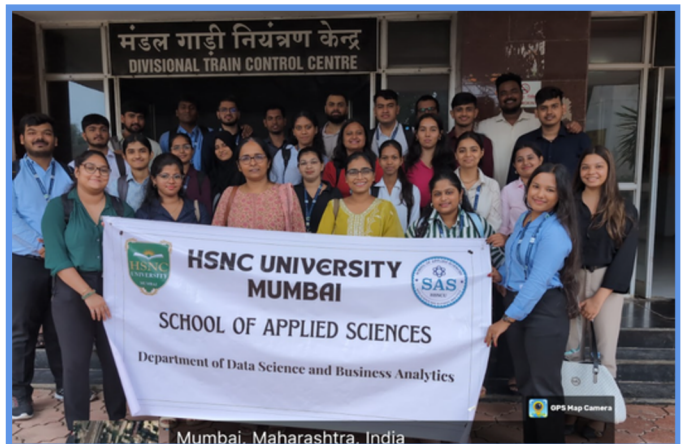
**Mr. Sikandar Yadav**

*Assistant Professor*

## Industrial Visit to NRSC National Remote Sensing Centre (NRSC), Ahmedabad



## Industrial Visit to the Western Railway Control Room and Data Center



## Industrial Visit to Indian Space Research Organisation (ISRO)



## Industrial visit to The Giant Metrewave Radio Telescope, Pune



## Visit to Compucom Software Limited and Dainik Bhaskar Printing Press



## Visited the Nature Trails in Khopoli



## Datathon: Annual Inter Collegiate Data (Hackathon) Event



## ECHELON: Annual Intercollegiate Academic Fest



## SYNERGY: Alumni Connect Program



## 10 Days Boot Camp Organized On Data Analysis And Data Visualization Using Microsoft Excel



## Freshers Party



## IDIALIA College Fest 2025



## Internship & Placement Partners



- Parekh
- Stayvista Pvt. LTD.
- Tender Health Tech
- 0101.today
- Beyond Seed
- Pangolin
- Gsiq
- Seed Global Education
- Swastik Furnaces Pvt LTD
- Novostack
- Rishabh Gupta Private Corp LTD
- Kotak Life Insurance
- With Whats On India Media Private Limited (“Gracenote, A Nielsen Company”)
- Datamatics Business Solutions
- Buildint
- Havas Media Network
- Pepper
- Optimum Financial Solutions Pvt LTD
- Dvoc Institute Private Limited
- Stampmyvisa
- Csmia (Mial)
- Risemytrip
- Thomas Cook
- Rifti Soln.
- Doers Soln.
- Stride Ahead
- Celebration & Event Management
- Matrix 3d Infocom Pvt LTD
- Cyberco Soln
- Xircls Pyth Developer
- Ellement Co
- Rebel Foods
- Stayvista
- Research And Ranking
- Tagit
- Nielseniq
- Tata Aig General Insurance
- Kotak Mahindra Life Insurance
- Suntech Autospares
- Cipla
- Ace Credentials
- Rupa Investment Pvt LTD
- Wonder Brothers International
- Films Kantar
- Nielsen
- Deloitte

# Featured Placements



**Junaid Kazi**

*Research Executive,  
Edelman DXI*



**Poulomi Roy**

*Data Analyst,  
TenderHealth Tech*



**Harsh Mahapadi**

*Purchasing Analyst,  
Parekh*



**Nidhi Joshi**

*Data Analyst,  
Swastik Furnaces Pvt. Ltd*



**Nishna Paria**

*Research Executive,  
Edelman DXI*



**Ananya Kumari**

*Business Analytics,  
NovoStack*



**Jay Panchal**

*Actuarial Analyst,  
Kotak Life Insurance*



**Anish Kandekar**

*Management Training -  
Data Analytics,  
SEED Global Education*



**Tisha Bhagchandani**

*Deputy Manager -  
Data and Analytics,  
Mahindra Finance*



**Harsh Shah**

*Junior Portfolio Analyst,  
BeyondSeed*



**Tanisha Chaurasia**

*Client Operation  
Associate,  
SEED Global Education*



**Patson D'Almeida**

*Data Analyst,  
0101 - Data Based  
Conversion Specialist*

# Featured Internships



**Dhruv Lodaria**

*AOCC Intern  
(Data Science Intern)  
Mumbai International  
Airport Limited*



**Komal Mutreja**

*Data Analyst -  
Executive Intern ,  
Maestro Lifecare  
Private Limited*



**Saloni Narayan Rane**

*Nasher Miles Pvt Ltd.*



**Nida Khalid Dabir**

*Data Science Intern,  
Nascent IT Ventures*



**Nidhi Poojari**

*Project Trainee,  
Yes Bank*



**Maitri Vinayak**

*Coordinator /  
Data Analyst,  
Technoformat*



**Khwaish Khandelwal**

*Information Digital  
Apprentice,  
Jaguar Land Rover*



**Chaitanya Gupta**

*Research and Market  
Analyst,  
Bombay Kookware*



**Eccha Jain**

*Deputy Manager -  
Researcher /  
Data analyst, ISRO*



**Maria Ansari**

*Data Analyst,  
Aventus Capital*



**Insiya Cutleriwala**

*Client Operation  
Associate,  
SEED Global Education*



**Ayush Deepak Kadam**

*Backend Intern,  
FatakPay*

