



HSNC UNIVERSITY, MUMBAI

(A State Public University)

H.R COLLEGE | K.C. COLLEGE | B.T.T.C



SCHOOL OF APPLIED SCIENCES

MSc Data Science & Business Analytics

ADMISSIONS OPEN for the
Academic Year **2025-2026**


Learn how to unleash the
Power of Data to Drive
Growth, Efficiency, and
Innovation in Today's
Competitive Business
Landscape.

Enroll Now



www.hsncu.edu.in

 askmeanything@hsncu.edu.in

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About HSNC University, Mumbai

The HSNC University has been approved by RUSA and the Govt. of Maharashtra and is a State Cluster University with the Hon. Governor of Maharashtra as its Chancellor and eminent industrialist, Dr. Niranjana Hiranandani as its first Provost. The HSNC University comprises of renowned South Mumbai colleges like H.R College of Commerce & Economics as its Lead college, K.C College of Arts, Science & Commerce and Bombay Teachers' Training College as its constituent colleges.

HSNC University is set to build partnerships with the industry and have a new curriculum aligned with industry 4.0. The aim will be to not only learn from the requirements of the market and have industry collaborators willing to orient students towards the same, but also to ensure internships and the best placements for its graduating students.

This multi-faceted University aims to set new paradigms of education. It wishes to harness the energy and enthusiasm of the young, dynamic population of India and guide it towards the path of learning, knowledge, research, innovation, service to society, and entrepreneurship. This newly launched State Public University is set to make its indelible mark in the higher education industry in Mumbai and the country by initiating several landmarks with relevant and contemporary programs of study.



*Launch of HSNC University, Mumbai
10.06.2020 at Raj Bhavan*

Key People



Shri C. P. Radhakrishnan

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



Mr. Anil Harish

*Provost
HSNC University, Mumbai*



Dr. Hemlata K. Bagla

*Vice Chancellor HSNC University, Mumbai
Director, Niranjani 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.

MSc

Candidate for being eligible for admission to the First semester of 2 year Masters program must have passed BCA/BSc Statistics/BSc Mathematics/BSc Computer Science/BSc IT/BCom-IT /BA- Eco & Mathematics /BA - Eco & Statistics/BE or BTech or equivalent university degree with minimum percentage of marks not below 50%. Candidates with knowledge of mathematics and statistics are preferred. Duration: 2 years/4 Semesters.

Scope of DataScience & 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

The Master's degree from HSNCU University prepares students for effective business intelligence, analytics, decision making based on data, and to take up leadership roles. Every single course is designed to connect you to real-world applications. You'll emerge from the program as an experienced professional, having overcome the challenges of solving actual organizational issues with real-time data-sets on multiple occasions.

Program Structure

MSc Course Outline (NEP)

Prerequisite:

A. Microsoft Excel for beginners

- a. Excel Tables, Filters, Sorting
- b. Pivot Tables and Charts
- c. Formats, Formulas, Dates
- d. Functions – Mathematical, Statistical, Text, Date

B. Data Collection & Visualization:

- a. Definition of data, Types of data, Sources of data, Concepts of measurement, scales of measurement, design of data collection formats with illustration. Concept of Population, sample, parameter, statistic, Complete enumeration, Need of sampling, Sample study, Sampling techniques.
- b. Frequency distributions, Tabulation, Measures of Central tendency, Measures of dispersion.

SEMESTER 1

- Foundations of Data Science
- Computational Mathematics
- Python Programming
- Data Analytics using R
- Research Methodology

SEMESTER 3

- Advance Machine Learning.
- Deep Learning
- Big Data Analytics
- Data Visualization
- Statistical Quality control / Marketing Analytics
- Research Project

SEMESTER 2

- DBMS with SQL
- Machine Learning
- Advanced Statistical methods
- Cloud Computing
- Financial Technology

SEMESTER 4

- Business Analytics
- Artificial Intelligence
- MLOps with Cloud Technologies
- Natural Language Processing
- Supply Chain Analytics
- Research Project

Admission Schedule

Details	Dates
Online Application	15th May, 2025
Payment of fees	Please refer to the Circular / Merit list
Induction Programme and commencement date for enrolled candidates	TBA
For Registration	https://hsncu.admissiondesk.org/

MSc Course Fee

Msc Data Science			
SR. NO.	PARTICULARS	Part -I	Part -II
1	ADMISSION PROCESSING	2000	2000
2	ENROLMENT/ ELIGIBILITY FEES	2000	0
3	E CONVENIENCE FEES	1000	1000
4	CONVOCATION FEES	1000	0
5	LIBRARY FEES	2000	2000
6	OTHERS FEES	1000	1000
7	MARKSHEET	600	600
8	V C RELIEF FUND	20	20
9	DISASTER RELIEF FUND	10	10
10	N S S	20	20
11	UNIV.SPORTS & CULACT.	36	36
12	EXAMINATION FEES	4260	4260
13	GYMKHANA FEES	400	400
14	UTILITY FEES	250	250
15	DEVELOPMENT FUND	2500	2500
16	TUITION FEES	55000	55000
17	I CARD/LIB CARD	100	100
18	STUDENTS WELFARE FUND	200	200
19	GROUP INSURANCE	50	50
20	LABORATORY FEES	30000	30000
21	MAGAZINE FEES	100	100
22	ALUMNI ASSOCIATION	200	200
23	PROJECT FEES	3000	3000
	TOTAL	105746	102746

Infrastructure



Featured Faculty



Ms. Shailaja J. Rane
Academic Head



Ms. Anjali Sutar
Assistant Professor



Ms. Shruti A Agarwal
Assistant Professor



Ms. Shweta Shankar Maitri
Assistant Professor

INDUSTRY EXPERTS

<i>Mr. Awesh Bhornya</i>	<i>Mr. N. Prasad</i>
<i>Ms. Sana Navsariwala</i>	<i>Dr. Neha Ansari</i>
<i>Mrs. Gauri Chavan</i>	<i>S. Sirodaria</i>
<i>A. Hegde</i>	<i>S. Nigam</i>
<i>Suraj Powar</i>	<i>Pushkar Yevlekar</i>
<i>Hina Chauhan</i>	<i>Mr. Subhash Kumar</i>

Internship/Placement Partners

Company
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 INSUARANCE
KOTAK MAHINDRA LIFE INSURANCE
SUNTECH AUTOSPARES
RIFTI SOLN.
CIPLA
ACE CREDENTIALS
RUPA INVESTMENT PVT LTD
WONDER BROTHERS INTERNATIONAL FILMS
KANTAR
NIELSEN
DELOITTE

Internship/Placement Details

Student Name	Company
M.Jesmi.Varghese	Hansa Cequity
Reet M. Jain	Ozibook
Shabniz Panjwani	Vinsys Institute, Edoxi Institute
Harsh Mahapadi	Eclerx Services Pvt Ltd. – fulltime
Varun Vaidya	Prodigy Infotech
ANKUSH AAKASH SURESH	GVC Life Pvt Ltd
ANGELA BISWAS	FinwUrl Entreprises Pvt Ltd
CHAURASIA VIKAS JAIPRAKASH BEILADEVI	Blubrick Reality
CHOUDHARY NEETU TULSIRAM BINDU	Alpha MD
ELLENDULLA RAKSHA PREMNATH SHYAMALA	FinwUrl Entreprises Pvt Ltd
GUDIVADA SAI SATHVIK	Blubrick Reality
JINDAM PRAGNYA DHARAMPURI SUJATA	Internship Studio

Internship/Placement Details

Student Name	Company
KELKAR KANISHKA GAJANAN SIDDHI	Board of Industry Academia Partnerships
ADNAN ASLAM KHAN	Pakar Consultants
HIMANSHU GANESH KOTKAR	Board of Industry Academia Partnerships
MARU RUSHABH HITESH VAISHALI	Bhanu Partners Advisory LLP
MODHAVE AABHA BHAGWAN	Alpha MD
MORE VEDANG SANDEEP SANJEEVANI	Shruja Couture
PEDNEKAR SIDDHESH SHARAD	Alpha MD
SHIVAM RAWAT	MV World Enterprise Pvt Ltd
SHAH WASEEM MOHD MUJEEB	Alpha MD
SHAIKH BUSHRA MOHD SALIM	IND DIGI Soft
SHAIKH SHOAIB SHAKOOR QAISER	Alpha MD
SHARMA ADITI DARSHAN	Ellement co tm
SHIGVAN ANIKET EKNATH ANITA	Inarco textile machinery components

Internship/Placement Details

Student Name	Company
SOLANKI SMIT RAKESH VEENA	Mindflix
NAIK SHREYAS VIJAY VAISHALI	Alpha MD
SOLANKI JATIN PRAVIN	RPCI
RISHABH DEV TIWARI	MV World Enterprise Pvt Ltd
KHUSHBOO TIWARI	GVC Life Pvt Ltd

Industrial Visit



Industrial Visit to ISRO



Industrial Visit to Gujarat



Industrial visit to GMRT Pune



Brain Storming Session

Industrial Visit



Industrial visit to Stovekraft



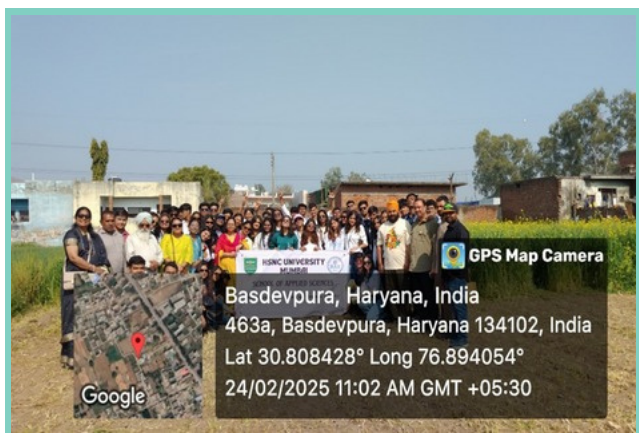
Visit to Pharmaceutical Industry



Industrial visit to Bharat petroleum limited



Industrial visit to Pune



Industrial visit to Chandigarh



Industrial visit to Manali

Student Activities



Induction Programme



Screening of chandrayaan-3 launch



Financial analytics



Bollywood Day



Freshers

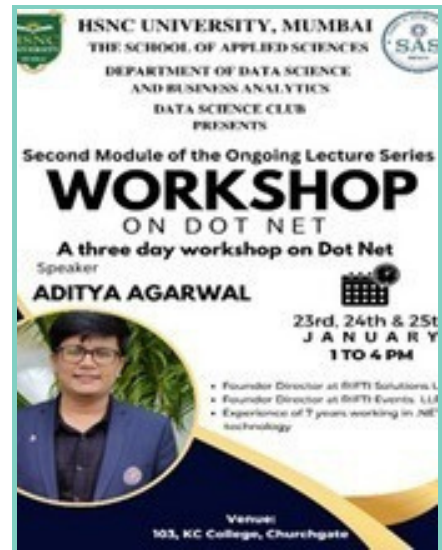


Scicode

Student Activities



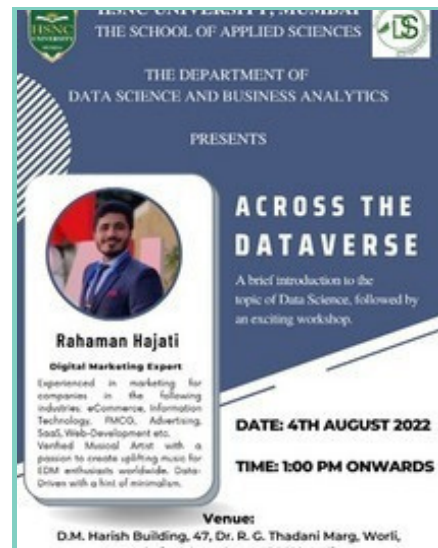
Workshop on Quality Assurance



Workshop on Dot Net



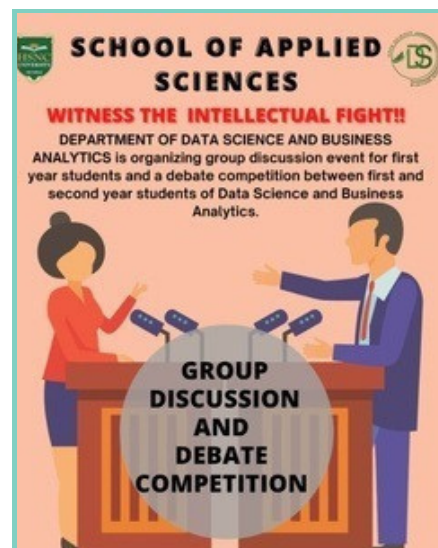
Workshop on SAS



Workshop on Across the dataverse



Workshop on SAS



Group Discussion & Debate Competition