HSNC UNIVERSITY, MUMBAI

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

SCHOOL OF APPLIED SCIENCES

BSc Data Science & Business Analytics

ADMISSIONS OPEN for the Academic Year **2024-2025**

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

datascience@hsncu.edu.in

+91 81698 81570

Address: **HSNC University, Mumbai**
47, Dr. R. G. Thadani Marg, Worli, Mumbai – 400 018

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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. Niranjan 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 Ramesh Bais

Hon'ble Chancellor HSNC University, Mumbai
Governor Of Maharashtra

Dr. Niranjan Hiranandani

Provost
HSNC University, Mumbai

Dr. Hemlata K. Bagla

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 HSNC 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 it's 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.

Eligbilty

BSc

Students of Arts, Science & Commerce with Minimum 50% aggregate in 12th or equivalent examination.
Duration: 3 years/6 Semesters.

BSc Honours

Students scoring 75% or more in the first 3 years of BSc DataScience & Business Analytics will be eligibile for BSc Honours.
Duration: 3 + 1 years

Scope of DataScience & Business Analytics

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

Program Structure

BSc Course Outline (NEP)

SEMESTER 1

- Analytics – I
- Foundations of data science
- Mathematical Foundation – I
- Ability Enhancement Course
- Value Added Course
- Basic understanding of Allied Sciences – I
- Indian Knowledge System
- Analyzing Social Media Networks with NodeXL–I
- Multidisciplinary Course

SEMESTER 2

- Analytics – II
- R Programming
- Mathematical Foundation – II
- Analyzing Social Media Networks with NodeXL–II
- Ability Enhancement Course
- Value Added Course
- Indian Knowledge System
- Multidisciplinary Course

SEMESTER 3

- Data Structures and Algorithms
- Python Programming
- Data Based Management System
- Multidisciplinary Course
- SEC – Predictive Analytics using SPSS
- Ability Enhancement Course (AEC)

Program Structure

SEMESTER 4

- Essential Programming
- Business Analytics
- Multivariate Calculus and Optimisation Techniques
- Multidisciplinary Course
- SEC – Visual Representation using Tableau and Power BI
- Ability Enhancement Course (AEC)

SEMESTER 5

- Machine Learning
- IOT
- Business Analytics
- EDA
- Internship

SEMESTER 6

- Categorical & Text Analytics
- Time Series Forecasting
- AI
- SQC
- Internship

Admission Schedule

Details	Dates
Online Application	15th May, 2024
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/

Fee Structure

BSc Course Fee

Bsc Data Science				
SR.NO.	**PARTICULARS**	**FY**	**SY**	**TY**
1	ADMISSION PROCESSING	2000	2000	2000
2	ENROLMENT/ ELIGIBILITY FEES	1550	0	0
3	E CONVENIENCE FEES	1000	1000	1000
4	CONVOCATION FEES	1000	0	1000
5	DEVELOPMENT FUND	1000	1000	1000
6	MARKSHEET	600	600	600
7	V C RELIEF FUND	20	20	20
8	DISASTER RELIEF FUND	10	10	10
9	N S S	20	20	20
10	UNIV.SPORTS & CUL.ACT.	36	36	36
11	EXAMINATION FEES	3040	3040	3040
12	GYMKHANA FEES	400	400	400
13	ADD ON INTER DISCIPLINARY COURSES /VALUE ADDED/CO CUR ACT	1500	1500	1500
14	TUITION FEES	85500	85500	85500
15	UTILITY FEES	250	250	250
16	I CARD/LIB CARD	100	100	100
17	STUDENTS WELFARE FUND	200	200	200
18	GROUP INSURANCE	50	50	50
19	LIBRARY FEES	1350	1350	1350
20	OTHERS FEES	500	500	500
21	MAGAZINE FEES	100	100	100
22	ALUMNI ASSOCIATION	200	200	200
23	PROJECT FEES	1500	1500	1500
	TOTAL	101926	99376	100376

Infrastructure

Featured Faculty

Ms. Shailaja J. Rane
Academic Head

Ms. Anjali Sutar
Assistant Professor

Mr. Sikandar Yadav
Assistant Professor

Ms. Prachi Angane
Assistant Professor

Ms. Sharon Sanghi
Assistant Professor

Ms. Shweta Shankar Maitri
Assistant Professor

INDUSTRY EXPERTS

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

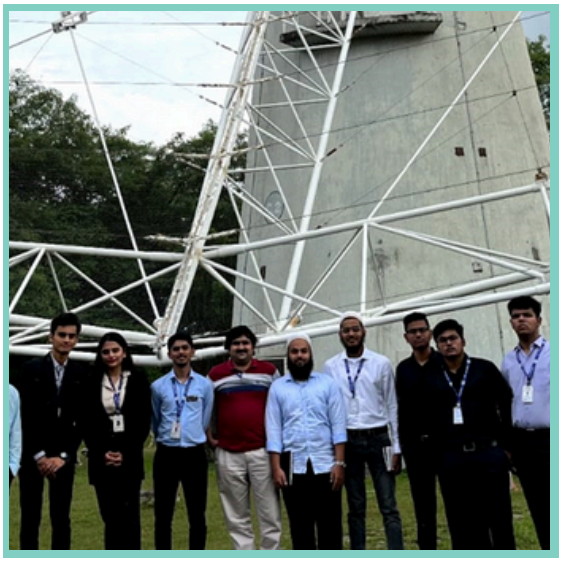
Internship/Placement Partners

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

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 petrolium limited

Industrial visit to Pune

Student Activties

Induction Programme

Screening of chandrayaan-3 launch

Financial analytics

Bollywood Day

Freshers

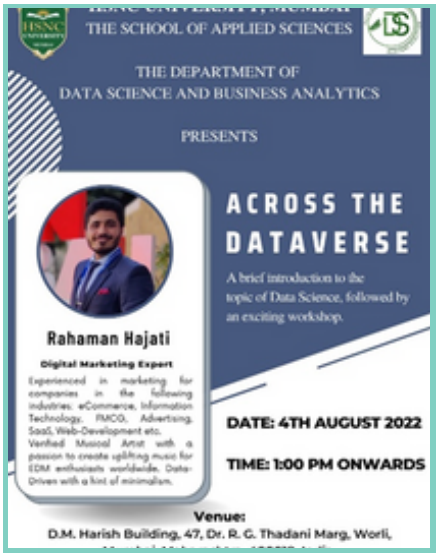
Scicode

Student Activties

Workshop on Quality Assurance

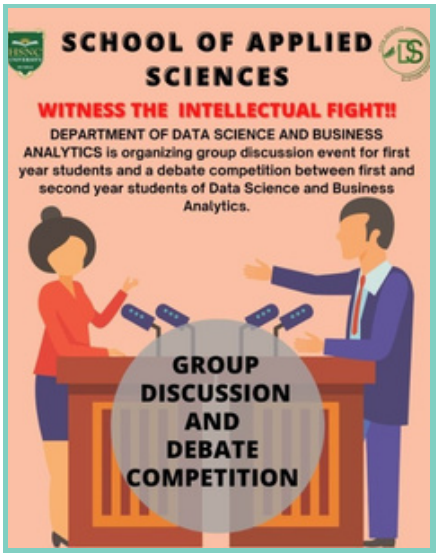
Workshop on Dot Net

Workshop on SAS



Workshop on Across the dataverse

Workshop on SAS



Group Discussion & Debate Competition