



# HSNC UNIVERSITY, MUMBAI

A STATE PUBLIC UNIVERSITY

KISHINCHAND CHELLARAM COLLEGE

DEPARTMENT OF STATISTICS

## About HSNC University, Mumbai

Hyderabad (Sind) National Collegiate University, Mumbai—a State Public University approved by RUSA and the Government of Maharashtra—was established in 2020 with K.C. College as one of its prestigious constituent colleges. The Hon.Governor of Maharashtra is the Chancellor of the University. Under the visionary leadership of former Provost Mr. Niranjan Hiranandani, Provost Mr. Anil Harish and Vice Chancellor Prof. Hemlata K Bagla, the University has emerged as a centre of academic excellence, research, and innovation. HSNC University offers a wide range of undergraduate, postgraduate, and doctoral programmes across several disciplines . It has 24 research centres and supports a growing number of research scholars. One of the University's flagship programmes is its Harbinger Lecture Series where eminent personalities such as Nobel Laureate Kailash Satyarthi, Kiran Bedi and other dignitaries are invited. HSNCU conferred its first Hon. D. Litt upon Bharat Ratna Shri Ratan Tata, after which Padma Vibhushan Shri Raghunath Mashelkar and distinguished Union Cabinet Minister, Shri Nitin Gadkari were also similarly honoured. In alignment with the National Education Policy 2020, HSNC University has adopted progressive curriculum reforms and innovative teaching practices to stay at the forefront of transformative higher education in India.

## About K. C. College

Established in 1954 by visionaries Vidyasagar Late Principal K.M. Kundnani and Barrister Hotchand Advani, Kishinchand Chellaram (KC) College is one of Mumbai's most prestigious institutions and the second to be founded under the Hyderabad (Sind) National Collegiate Board. With its forward-thinking ethos and commitment to academic excellence, the College has consistently introduced innovative programs catering to evolving educational and societal needs. As a proud constituent of HSNC University, formed under the RUSA 2.0 initiative, KC College enjoys academic autonomy and fosters interdisciplinary learning, research, and critical thinking. From its modest beginnings with 570 students, the College has grown into a thriving campus of over 7,000 learners. Known for academic brilliance, top university ranks, global alumni, and vibrant extracurricular engagement, KC College continues to shape future-ready, responsible individuals grounded in values and driven by purpose.

# ADMISSIONS OPEN FOR AY 2026-27

**B. Sc. Hons. in Statistics**  
(Specialisation in Data Analytics)  
4 years program

**B. Sc. Hons. in Statistics**  
(with Research) – 4 years program

## About Department of Statistics

Statistics, a subject offering immense and diverse career opportunities, was introduced as a major at the B.Sc. level at K. C. College in 1958. At a time when the discipline was still emerging in mainstream academia, K. C. College became one of the first institutions under the University of Mumbai to offer it—demonstrating its visionary approach to education. Over the decades, the Department of Statistics has built a strong academic foundation rooted in excellence, analytical rigor and innovation. The department remains committed to expanding knowledge, encouraging critical thinking, and promoting research. Faculty members have published around 60+ papers in reputed national and international journals, and the department regularly organizes National Statistics Day, seminars, Guest lectures, International/National conferences and academic events to engage both students and peers in the discipline. In recognition of its academic quality, The department was a part of the Star College Scheme and Status awarded by the Department of Biotechnology (DBT), Government of India. This has enabled the department to further strengthen its infrastructure and resources, including the establishment of a well-equipped computer laboratory, R and Python e-books for students and Researchers. Several workshops, webinars, training programs and national FDPs and student-centric activities like data championships, quizzes and presentations are conducted under this scheme, further enriching the academic experience. Graduates of the department have gone on to excel in diverse sectors, including data analytics, finance, actuarial science, public policy, research, and education. Many are placed in reputable organizations and institutions across the globe, reflecting the department's focus on both foundational strength and real-world relevance. The Department of Statistics at K. C. College, a constituent college of HSNC University, Mumbai, continues to uphold its rich tradition of academic excellence while evolving to meet the demands of a data-driven world.



### Why to choose us?

#### 01 Legacy of Excellence

Among the first colleges under the University of Mumbai to offer Statistics as a major since 1958.

#### 02 Highly Qualified Faculty

majority of faculty members are PhD holders with expertise in Statistics , Operations Research, Mathematics and Demography.

#### 03 Research-Oriented Environment

Active student involvement in Jigyasa Honors Program and Aavishkar Research Conventions and NEP Research Projects.

#### 04 Tech-Enabled Learning

Smart classrooms, modern labs, scientific calculators, and training in tools like SPSS, AMOS, R, Python, Power BI, and Excel.

#### 05 NEP-Compliant Curriculum

Offers both B.Sc. and B.Sc. (Hons.) in Statistics with flexibility for interdisciplinary learning under the National Education Policy 2020.

#### 06 Student-Centric Approach

Focus on mentoring, holistic development, and preparing learners for both higher education and industry challenges.

## Programmes under Department of Statistics

- B. Sc. Hons. in Statistics (Specialisation in Data Analytics)– 4 years program
- B. Sc. Hons. in Statistics (with Research) – 4-year program
- B. A. – 2 Years in Statistics
- B. Com. – 2 Years in Computer Systems and Applications

## Strength of Department of Statistics



### Expert Faculty

#### Majority are Ph.D.

Mentors with Minds that Research, Teach, and Inspire.

#### Scholars Across Disciplines

The Department was established in 1958 and has experienced faculty members with expertise in various fields of Statistics, including Operations Research, Applied Statistics and Demography.



### State-of-the-art Infrastructure

#### Classrooms

Technology-enabled classrooms equipped with interactive tools to enhance teaching, learning, and student engagement.

#### Calculators

The department provides 25 scientific calculators to support students during practical sessions and hands-on learning

#### Lab

Well-equipped labs with advanced software tools including SPSS, AMOS, R, Jamovi, Meta Essential, Python, Power BI, MySQL, and Excel to support statistical computing, data analysis, and research.

## Students' Participation and Achievements

Students of the Department of Statistics actively participate in cultural, research, NSS, and NCC activities at the University, State, and National levels, bringing laurels to the Department through their achievements and contributions. Their active involvement fosters leadership, teamwork, creativity, and social responsibility beyond academics.



19th National Statistics Day 2025 celebration by Department of Statistics, K. C. CollegeMumbai



Zahra Rangwala and Nehal Tambde from TYBSc Statistics won 1st Prize at the National Level Quiz Competition organised by NSO, Ministry of Statistics and Program Implementation, Govt. of India.



Department of Statistics organised various competitions under the Science Festival SciCodE#26



Stats to Squads – An even under SciCode#26

## Eligibility

- Successful completion of HSC or equivalent examination from any recognized board.
- Candidate must have studied Mathematics and/or Statistics at the 12th Grade level.
- Admission will be based on merit as per HSNC University norms.
- For B.Sc. (Hons.), continuation to the fourth year is based on performance in the first three years.

*K.C. College, a Constituent College of HSNC University, Mumbai, offers both B.Sc. and B.Sc. (Hons.) in Statistics, programs designed under the NEP 2020 framework. These courses provide a solid grounding in the core concepts of Statistics, integrated with practical tools and interdisciplinary learning to prepare students for careers in analytics, research, and data-driven fields.*

## Learnings from the Programme

### Core Subject Areas

#### Structure of Curriculum (BSc Statistics Semester – I)

- Descriptive Statistics
- Introduction to Spreadsheet
- Introduction to Power BI and Basic Visualizations

#### Structure of Curriculum (BSc Statistics Semester – II)

- Probability and Probability Distributions
- Data Analysis and Data Visualization using Spreadsheet
- Power BI: Advanced Visualization Techniques

#### Structure of Curriculum (BSc Statistics Semester – III)

- Probability Distributions (Major)
- Theory of Sampling (Major)
- Statistical Methods (Minor)
- Statistical Data Analysis using R Programming (SEC)
- Wanna Learn Python: Statistical Computing with Python(OE)

#### Structure of Curriculum (BSc Statistics Semester – IV)

- Probability and Sampling Distributions (Major)
- ANOVA and Design of Experiments (Major)
- Operation Research Techniques (Minor)
- Statistical Data Analysis using SPSS (SEC)
- Introduction to Six Sigma with MS-Excel (OE)

#### Structure of Curriculum (BSc Statistics Semester – V)

- Probability and Distribution Theory (Major)
- Theory of Estimation (Major)
- Biostatistics (DSE-I) and Actuarial Science (DSE-II)
- Applied Statistics (VOC- I) and Elementary Operations Research Techniques(VOC-II)
- Statistics Everywhere(IKS)

#### Structure of Curriculum (BSc Statistics Semester – VI)

- Distribution Theory and Stochastic Processes (Major)
- Testing of Hypotheses (Major)
- Multivariate Analysis-I (DSE-III) and Demography (DSE-IV)
- Network Models and Scheduling Techniques using MS Excel-I (VOC-III) and Network Models and Scheduling Techniques using MS Excel-II (VOC-IV)
- Optimisation Techniques

#### Structure of Curriculum (BSc Honours in Statistics / BSc Honours with Research in Statistics with specialization in Data Analytics) Semester – VII

- **Majors:** Stochastic Processes, Sample Surveys and Linear Models
- Computational Stats using R (DSE-V) and Computational Statistics using Python (DSE-VI)
- Statistical Individual Research Project
- Research Methodology

#### Structure of Curriculum (BSc Honours in Statistics / BSc Honours with Research in Statistics with specialization in Data Analytics) Semesters– VIII

- **Majors:** Multivariate Analysis-II, Design of Experiments and Regression Analysis
- 4A Machine Learning Techniques (DSE-VII) and 4B Categorical Data Analysis (DSE-VIII)
- Individual Statistical Research Project
- Individual Statistical Research Project

### Practical Learning

- Hands-on software training in R, Python, SPSS, AMOS, Power BI, Excel, Google Suite, MySQL
- Practical sessions every semester with real-world data
- Guided projects under Jigyaaasa Science Honors Program
- Participation in Aavishkar Research Conventions
- Industry-focused workshops

## What will learners gain?

- Strong foundation in Pure Statistics, Mathematical Statistics, Applied Statistics (Econometrics, Operations Research, Demography, Actuarial Science etc)
- Hands-on skills in SPSS, AMOS, R, Python, Power BI, and Excel
- Research skills and analytical thinking
- Development of critical thinking and problem-solving abilities
- Industry-relevant knowledge in fields like finance, healthcare, and business
- Improved collaboration and communication skills
- Pathway to higher studies in Data Science, Actuarial Science, and Biostatistics
- Holistic intellectual development through interdisciplinary learning

## Opportunities for B.Sc. / B.Com. Students

### Career Prospects

- Career Pathways
- Data Analytics
- Banking & Financial Services
- Insurance & Actuarial Support
- Market Research
- Business Analytics
- Operations & Supply Chain
- Education & Academics
- Government Statistical Departments

### Skill Development

- Analytical Thinking
- Data Interpretation
- Statistical Techniques
- Problem Solving
- Data Visualization
- Communication Skills

### Skill Development

- Software Training
- Excel
- SPSS
- R Programming
- Power BI
- Python Basics
- Google Suite

### Practical Exposure

- Mini Projects
- Research Activities
- Industry Workshops
- Hands-on Practical Sessions
- Internship Opportunities

### Higher Study Opportunities

- M.Sc. Statistics
- Data Science
- Actuarial Science
- Biostatistics
- MBA & Analytics Programs

*Internship with reputed government and non governmental organisations like State Election commission of Maharashtra after second year for 120 hours*

## Our Alumni making an Impact

- Faiyaz Gadiwala, Director, Brain Point
- Girish Kulkarni, OSD, State Election Commission of Maharashtra, Mumbai
- Anuradha Bhatt, Proprietress of K. D. International, Faridabad
- Dr. Anjum Ahmed, Professor and Former I/C Principal, Rizvi College
- Sangita Namjoshi, AAO, LIC
- Raghav Narsalay, Director, Accenture
- Dr. Walter D'Lima, Assistant Professor, College of Business, Florida International University, Miami
- Suruchi Bhargav, Partner/ Lead Global GI Consulting at K. A. Pandit
- Ashish Sarowa, Spatial Engineer, HERE Technologies
- Pravesh Tiwari, Sr. Associate (Data Scientist), TheMath Company, L & T Finance
- Aishwarya Menon, Data Analyst at Sterlite Technology Private Limited, Pune
- Gourav Tiwari, Senior Data Scientist, Kotak Mahindra

## Alumni Testimonials



**Tanya Sharma (2015-2018)**  
Analyst, Advanced Analytics, OSG Analytics

"KCC has done a splendid job by inculcating the ability in me to learn and build the strong foundation knowledge provided by the department. Here, I became more of an experimenter than just a student. The final year SHI project provided me an understanding between applying various theoretical concepts into real life application which is a boon in the Data science industry."



**Lalit Sankhla (2013-2016)**  
Data Analyst, TCS

"KCC College has an amazing environment for students. The department of statistics has provided me with knowledge and skills which later helped me in my career as a data analyst."



**Mihir Lakdawala (2016-2019)**  
Associate analyst, Deloitte

"KCC College has provided me the platform to study, excel, compare my potential, appreciate the statistics department in the college that helped me a lot in understanding the technical aspects and clearing the job interviews. Today, I am fortunate enough to be the support and proud to be a part of KCC Alumni Network."



**Krina Parmar (2016-2019)**  
Engineer, Data Science @ Google

"The primary goal of my life is to become a data scientist and my three years of bachelors in statistics from KCC College has played a pivotal role in making that primary goal of mine a reality. The faculty of the department of statistics of KCC is top notch and their efforts to make sure we just not learn but understand all the concepts. I'll be always grateful to the management and KCC for their support and understanding."



**Sankalp Jularkar (2016-2019)**  
Procurement Executive, Promentive Life Care Pvt. Ltd.

"My Three years in department of statistics were one of my best experiences I ever had. It gave me exposure to various extra-curricular activities along with great academics. It provided all the facilities and encouragement needed to obtain high in life. Looking back, I can see my department was extremely important and a stepping stone in my career. It allowed me to develop my interpersonal skills which are extremely important in any field of work."



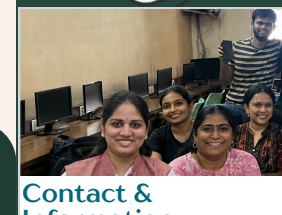
**Anam Fatima Sheikh (2016-2019)**  
Associate account manager, RS&I Insights and Analytics

"For me, the best college is the one that helps the students not just with their curriculum but also give hands-on training, motivation to participate in extracurricular courses and help to enhance their skills to participate in well educated and trained to compete in the current market. I am always thankful to KCC College and my Statistics department for all the education, training, support and help that guided me towards the right path in my career and I will always be very pleased to be a part of the Alumni Network of this college."



**Praveesh Nayak (2016-2019)**  
IT Data Engineer, i-Frank Consulting Services Pvt Ltd

"My time at KCC College truly changed who I am and how I will want to become professionally and personally. The faculty at KCC College are the best in the college. Their dedication, and collaboration among students and faculty were a game changer for me. Each faculty member is engaged and among the best in their field, and I have learned from them."



## Contact & Information

*We are here to support your journey with the University of Rimbierio. Feel free to reach out to us through the following channels:*

### Main Contact Information

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### Department Contacts

Head of the Dept.  
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### Operating Hours

**Monday to Friday**  
8:00 AM – 5:00 PM

**Saturday**  
9:00 AM – 1:00 PM

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