



B.Sc. (Hons) in Actuarial Science & Finance (BASF)

Apprenticeship Embedded Degree Programme (AEDP)



A STATE PUBLIC UNIVERSITY. BUILT ON LEGACY. DESIGNED FOR THE FUTURE.

HSNC University, Mumbai is a State Public University constituted under the Maharashtra Public Universities Act, 2016 and established through the Rashtriya Uchcharat Shikshan Abhiyan (RUSA) initiative of the Government of India. It brings together some of South Mumbai's most prestigious institutions into a single, forward looking university ecosystem.

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.



CONSTITUENT COLLEGES



H.R. College of
Commerce & Economics



K.C. College of Arts,
Science & Commerce



Bombay Teachers'
Training College (BTTC)

SCHOOLS UNDER HSNC UNIVERSITY

★ School of Applied Sciences - Home
of the BASF Programme

Niranjan Hiranandani School of
Management & Real Estate

D.M. Harish School of Law

School of Engineering & Technology

Chellaram School of Yoga & Wellness

School of Performing Arts

School of Interdisciplinary Studies

School of Humanities & Social
Sciences

The BASF programme is offered under the School of Applied Sciences and is delivered at the K.C. College Campus, Churchgate, at the heart of India's financial capital.



“Not just a degree. A career, already started.”

12 MONTHS OF GUARANTEED, PAID INDUSTRY APPRENTICESHIP

For students completing the full 4 year Honours programme |
Stipends from ₹10,000 to ₹50,000/month

Year Programme

4

Admissions Open

2026-27

Number of seats

60

Fees

₹2,50,900

NEP compliant.

Optional specialisations in Actuarial Science and Finance.
Curriculum aligned with IFoA, SOA, IAI, CFA, and FRM examinations.

Only 60 seats per cohort.

+91 70211 44862 | www.hsncu.edu.in
head.actuarialsc_finance@hsncu.edu.in



THE PEOPLE BEHIND THE INSTITUTION



CHANCELLOR

Hon'ble Shri Jishnu Dev Varma

Governor of Maharashtra & Chancellor of State Public Universities. A distinguished leader from the Manikya royal dynasty of Tripura, he brings a deep commitment to educational excellence and institutional governance.

PROVOST

Mr. Anil Harish

Provost of HSNC University and a distinguished legal luminary. Senior Partner at one of India's leading law firms, he brings deep expertise in education governance, institutional strategy, and academic leadership to the university.



VICE CHANCELLOR

Col. Prof. Dr. Hemlata K. Bagla

An accomplished academician and pioneer in higher education strategy. A noted authority in nuclear and radiochemistry with over 170 research publications, including nine in NASA's Astrophysical database. Former Principal of K.C. College and Senior Dean of Science & Technology at HSNC University.

PRESIDENT, HSNC BOARD

Dr. Niranjan Hiranandani

Eminent industrialist and Co-founder of the Hiranandani Group, one of India's leading real estate conglomerates. As President of the HSNC Board and founding Provost of HSNC University, his vision has shaped the university's commitment to industry aligned education and global partnerships.



UNIVERSITY LEADERSHIP

GLOBAL PARTNERSHIPS & COLLABORATIONS



*“ Where legacy meets ambition.
Where tradition drives innovation.”*



“

Dear Students and Parents,

When HSNC University was established, one of the very first programmes I envisioned was a rigorous, world-class degree in Actuarial Science and Finance. The actuarial profession sits at the intersection of mathematics, statistics, economics, and technology, and India needs many more trained professionals in this space than it currently produces. I am proud that this vision has now become a reality through the BASF programme.



This is not merely an academic exercise. We have brought together practising actuaries, CFA charterholders, and senior finance professionals as faculty. We have embedded Python, R, SQL, and Bloomberg certifications from the very first semester. And through the Apprenticeship Embedded Degree Programme, every student gains real, paid industry experience before graduating.

Every BASF student receives a dedicated laptop from the university for the entire duration of the programme. It is a personal learning engine that ensures unrestricted access to the technology, tools, and platforms they need to stay ahead.

I also want to speak to families for whom the cost of quality education feels like a barrier. At HSNC University, we believe that talent must never go to waste because of financial hardship. I am personally committed to ensuring that students from underprivileged backgrounds, backward communities, and economically weaker families receive the support they need. Several scholarships and fee concessions are available, and my door is always open to any family that needs guidance.

The BASF programme is built to produce graduates who do not just enter the workforce. They lead it.

I welcome you to be part of this journey.

With warm regards,

Col. Prof. Dr. Hemlata K. Bagla

Vice Chancellor, HSNC University, Mumbai



AT A GLANCE

THE FLAGSHIP PROGRAMME OF HSNC UNIVERSITY

An interdisciplinary degree that combines rigorous quantitative training with real industry immersion. Fully compliant with the National Education Policy (NEP) framework, it offers flexible exit points while rewarding students who complete the full four years with an Honours degree and a **complete year of paid apprenticeship**.



WHAT IS THIS PROGRAMME ABOUT?

WHAT DOES AN ACTUARY DO?

Actuaries use mathematics and statistics to calculate risk for insurance companies, pension funds, banks, and governments. They decide how much your health insurance should cost, whether a company can afford its pension promises, and how to protect businesses from financial disasters. They are among the highest-paid professionals in India and globally.



WHAT DOES A FINANCE PROFESSIONAL DO?

Finance professionals analyse investments, build portfolios, value companies, and advise on where to put money to work. They work in investment banks, mutual funds, consulting firms, and corporate treasury departments. With a CFA or FRM credential, they command some of the most competitive salaries in the financial industry.



This programme prepares you for both of these career paths and lets you choose the one that suits your ambition.

NEP COMPLIANT FLEXIBLE STRUCTURE

EXIT AFTER	YOU RECEIVE	WHAT IT MEANS
1 Year	Certificate	Foundation level credential in quantitative finance
2 Years	Diploma	Intermediate credential with quantitative and analytical depth
3 Years	B.Sc	Full degree + 6 months paid apprenticeship (Semester 6)
4 Years	B.Sc. (Hons)	Honours degree + 12 months paid apprenticeship (Sem 6 + Sem 8) + full specialisation

The full value of this programme unfolds in four years: the Honours degree, the complete specialisation, and a full year of paid industry experience. That is why we recommend it.



Four years. Two tracks. One unfair advantage.

WHAT SETS BASF APART

Limited to 60 students per cohort to ensure personalised mentorship, dedicated faculty attention, and guaranteed apprenticeship placements for every student.



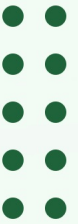
GUARANTEED PAID APPRENTICESHIP

Every student gets a structured, paid placement. ₹10,000 to ₹50,000/month. Secured via University MoU partnerships.



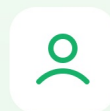
YOUR CHOICE OF SPECIALISATION

Actuarial Science or Finance from Semester 5. Both optional. Neither mandatory. Your call.



CFA + ACTUARIAL + FRM COVERAGE

Substantial coverage of IFoA, IAI, SOA, CFA (all 3 levels), FRM, and CMT syllabi built into the curriculum.



INDUSTRY LED FACULTY

Practising actuaries, CFA charterholders, IIT and IIM alumni, professionals from Munich Re, Swiss Re.



TECH FROM DAY ONE

Bloomberg Certifications, Python, R, SQL, Excel VBA, Power BI. Embedded across the entire programme.



CAMPUS - CHURCHGATE, MUMBAI

K.C. College. Heart of India's financial capital. Steps from the biggest banks, insurers, regulators.

6 SEMESTERS ON CAMPUS. 2 SEMESTERS IN INDUSTRY.

Where the classroom meets the boardroom.

SEM 1	CAMPUS	Foundations: Financial Maths I, Applied Maths, Statistics I, Economics I, Communication, Ethics
SEM 2	CAMPUS	Tools & Models: Financial Maths II, R Programming, Statistics II, Economics II, Excel
SEM 3	CAMPUS	Risk & Engineering: Financial Engineering I, Risk Mgmt I, Business Finance I, Behavioural Finance, Python & SQL
SEM 4	CAMPUS	Modelling: Financial Engineering II, Risk Mgmt II, Business Finance II, Model Documentation, Excel Modelling
SEM 5	CAMPUS	Specialisation Begins: Choose Actuarial Science OR Finance. All subjects dedicated to your track.
SEM 6	INDUSTRY	Apprenticeship I: Paid, full time placement. University supervised. Credit bearing.
SEM 7	CAMPUS	Advanced: Risk Mgmt IV, Predictive Analytics & ML, Specialisation Electives, Capstone Project
SEM 8	INDUSTRY	Apprenticeship II: Advanced technical role. Junior professional level. University evaluated.

“Most graduates look for jobs. Ours have already done them.”

Apply now: hsncu.admissiondesk.org | +91 70211 44862

ONE FOUNDATION. TWO FUTURES.

Semesters 1 to 4 are common. From Semester 5, every subject and every placement follows your chosen major.

Both tracks are optional. You decide your path.

ACTUARIAL SCIENCE

Price risk. Model uncertainty. Build the backbone of insurance and capital markets.

- Life Contingency with Excel I & II
- Statistical Modelling I & II
- Stochastic & Survival Models
- Advanced Statistical Application in R
- Actuarial firm placements

Aligned with: SOA | IFoA | IAI

FINANCE

Analyse investments. Build portfolios. Architect financial strategy.

- Portfolio Management I & II
- Alternative Investments I & II
- Business Finance III
- Technical & Fundamental Analysis (Bloomberg)
- Finance & banking placements

Aligned with: CFA | FRM | CMT



***Actuarial or Finance. Your
ambition. Your direction.***

YOUR FIRST SALARY STARTS BEFORE YOUR LAST EXAM.

Semesters 1 to 4 are common. From Semester 5, every subject and every placement follows your chosen major.



GUARANTEED

Every student gets a placement. Via University MoU partners. No uncertainty.



PAID

₹10,000 to ₹50,000/month. Depends on employer, role and performance.



TRACK MATCHED

Actuarial track placed in actuarial firms. Finance track in banks & asset managers.

Under the Apprenticeship Embedded Degree Programme (AEDP) framework

Stipend ranges are based on prevailing industry norms and MoU terms with partner organisations. Actual stipends may vary by employer, role, and student performance. The AEDP structure is governed by university and regulatory guidelines.

Only 60 seats. Apply now: hsncu.admissiondesk.org

YOUR CURRICULUM ALREADY COVERS THESE EXAMS

Get paid to learn what others pay to study.



IFoA / IAI / SOA

Maths, statistics, risk modelling, life contingencies, stochastic processes



CFA (All 3 Levels)

Investment analysis, portfolio management, ethics, financial reporting, quantitative methods



FRM (GARP)

Risk quantification, financial instruments, credit risk, market risk, governance



CMT

Technical analysis, capital market theory, behavioural finance, charting

Academic alignment does not mean formal exemption.
Students register and sit exams independently.



TOOLS YOU WILL MASTER

INDUSTRY STANDARD. FROM SEMESTER ONE.

PROGRAMMING & DATA



Python



R Programming



Power BI



SQL



Tableau

FINANCE & MODELLING



Bloomberg Terminal



Excel & VBA



Actuarial Softwares



*Built for those who think in
numbers and act on data.*

INCLUDED IN YOUR PROGRAMME.
AT NO EXTRA COST.

GLOBAL CERTIFICATIONS EMBEDDED IN THE COURSE



What others pay for separately, you get as part of your degree.



CFA INSTITUTE INVESTMENT FOUNDATIONS CERTIFICATE (IFC)

REGULAR COST: \$350 | **YOUR COST: FREE**

A globally recognised credential from CFA Institute covering finance, ethics, and investment analysis. Integrated into the BASF curriculum. Every student earns it at no additional cost.



BLOOMBERG MARKET CONCEPTS (BMC) CERTIFICATION

REGULAR COST: \$150 | **YOUR COST: FREE**

A globally recognised e learning credential from Bloomberg covering economic indicators, currencies, fixed income, and equities. Sponsored by the university for every BASF student.

A DEDICATED LAPTOP FOR EVERY STUDENT YOUR PERSONAL LEARNING ENGINE

Every BASF student receives a dedicated laptop from the university for the entire programme. Code in Python and R, build financial models, access learning platforms, and stay ahead from day one.



“Over \$400 worth of global certifications and a dedicated laptop. Included. Not extra.”

CAREER PATHS FOR BASF GRADUATES

For context: the average starting salary for a B.Com graduate in Mumbai is approximately ₹3 to 4 LPA. BASF graduates are positioned for roles where qualified actuaries and CFA charterholders at top MNCs like Swiss Re, Munich Re, Goldman Sachs, JP Morgan, Deloitte, and HDFC Life can earn upwards of ₹1 crore at senior levels.

Role	Entry level	Mid level	Senior level
Qualified Actuary (Fellow)	₹15–25L	₹30–50L	₹60L–1Cr+
Actuarial Analyst	₹4–8L	₹10–20L	₹25–50L+
Product / Pricing Actuary	₹6–12L	₹18–30L	₹40–80L+
Reinsurance Analyst	₹6–12L	₹15–28L	₹35–65L+
Investment Banking Analyst	₹6–12L	₹18–35L	₹40–75L+
Portfolio Manager (CFA)	₹6–12L	₹15–30L	₹35–1Cr+
Equity Research Analyst	₹5–10L	₹12–25L	₹30–60L+
Quantitative Analyst	₹8–15L	₹18–35L	₹40–1Cr+
Risk Manager (FRM)	₹5–10L	₹14–28L	₹35–65L+
Corporate Finance Analyst	₹6–12L	₹18–30L	₹40–70L+
Credit Risk Analyst	₹5–10L	₹12–25L	₹30–55L+
Wealth Manager	₹4–8L	₹12–25L	₹30–60L+
Data Analyst (BFSI)	₹4.5–9L	₹12–22L	₹25–50L+
Insurance Underwriting Analyst	₹5–9L	₹12–20L	₹25–45L+

Indicative ranges based on 2025–26 industry data from Glassdoor, PayScale, CFA Institute surveys, and IAI reports. Actual compensation varies by employer, role, certifications, and performance. Senior-level figures include variable pay at top MNCs.



“

The question isn't
whether you'll succeed.
It's how early you want to
start.

TAUGHT BY PEOPLE WHO DO WHAT THEY TEACH



DR. SONJAI KUMAR

PhD, Risk Management | 20+ years
insurance regulation & solvency
governance



MR. NISCHAL KAPADIA

IIM Alumnus | CFA Charterholder | TEDx
Speaker | Angel Investor



DR. PRATIKSHA KADAM

HOD, Actuarial Science & Finance |
Director, Student Development



MR. PRANAY SHARMA

B.Tech, NIT Surat | Actuarial faculty



MR. NILESH BHANDARKAR

IIT Bombay | NET Qualified |
Quantitative techniques



MS. KRITIKA BAGRI

Actuarial Analyst at WTW | Actuarial
faculty

TAUGHT BY PEOPLE WHO DO WHAT THEY TEACH



MR. SUNIT KOLABKAR

FIAI | Senior Data Scientist, Munich Re
| Actuarial + ML



DR. S. B. MULEY

Head, Computer Science, K C College
and Director, IQAC, HSNC University,
Mumbai



MR. DEVAL MODI

CA & Associate Actuary | IFRS 17, Pricing
| Swiss Re, Marsh



MR. SAHIL TALREJA

PGPM, IIM Tiruchirappalli | Equity
markets, systematic trading

MORE THAN A DEGREE. A COMPLETE EXPERIENCE.

BASF students are part of the vibrant K.C. College and HSNC University ecosystem, with access to clubs, societies, festivals, and events that foster leadership, build networks, and create memories.

Clubs & Societies



Sports Club



Cosmos (Cultural)



Enviroreality Club



NSS



NCC



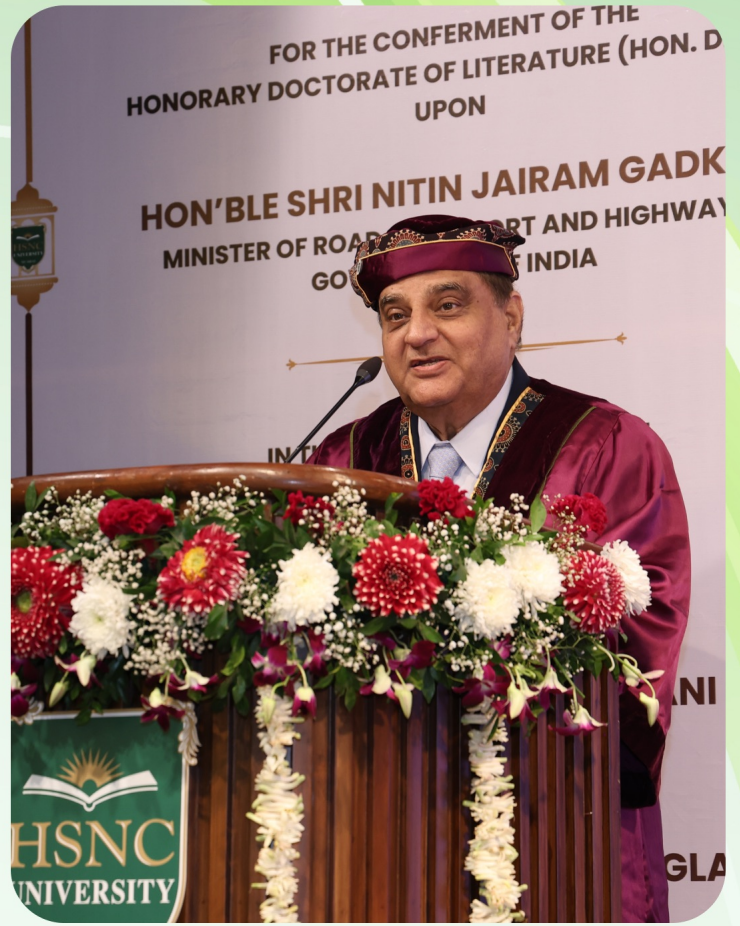
Rotaract Clubs



Life at HSNC



Life at HSNC



RECENT MILESTONES

4th Convocation Ceremony (January 2026): Hon'ble Union Minister Shri Nitin Gadkari was conferred the Honorary Doctorate of Literature (D.Litt.) by HSNC University, in recognition of his contributions to nation building and infrastructure development. He joins the legacy of Padma Vibhushan Shri Ratan Tata, the university's first Hon. D.Litt. recipient.



Aavishkar 2025–26: 137 student research projects presented across six categories at the university level selection rounds, a significant increase from 72 projects the previous year.

K2K Climate Expedition: The Fit Bharat Club completed a Kanyakumari to Kashmir cycling expedition for climate change awareness.

NSS National Recognition: KC College's NSS unit and Programme Director received the Best Unit and Best Programme Director awards from the President of India at Rashtrapati Bhavan.

WHY THIS PROGRAMME IS WORTH YOUR INVESTMENT

We understand that choosing an undergraduate programme is one of the most important decisions your family will make. Here is what makes BASF a sound and transparent investment in your child's future.

YOU INVEST IN EDUCATION. WE MAKE SURE IT PAYS BACK.



Is this a recognised degree?

Yes. B.Sc. (Hons) from HSNC University, Mumbai, a State Public University established by an Act of the Maharashtra Legislature.

Will my child get a job?

Every student completes a guaranteed paid industry apprenticeship before graduating. Students who complete the full 4-year Honours programme receive 12 months of industry experience across two semesters. They enter the job market with real experience, not just a certificate.

What if my child doesn't want to become an actuary?

Actuarial Science is optional. The Finance specialisation prepares students equally well for careers in investment banking, asset management, risk consulting, and analytics.

Does Maths in Class 12 matter?

Not mandatory. Students from any stream (Science, Commerce, Arts) are eligible. A bridging module is provided for those who did not study Maths in Class 12.



FOR PARENTS

What about higher studies abroad?

The four-year honours degree with quantitative depth and industry experience makes graduates strong candidates for master's programmes at leading global universities.

Is the fee justified?

At ₹2,43,850 per year, students receive a dedicated laptop, the CFA Investment Foundations Certificate (worth \$350), Bloomberg Market Concepts certification (worth \$150), industry placements, practitioner-led instruction, and professional exam preparation. The value far exceeds the fee.

Is the apprenticeship really paid?

Yes. Stipends range from ₹10,000 to ₹50,000 per month, secured through formal University partnerships with leading companies. Your child earns while learning.

Who teaches here?

Faculty includes Fellows of the Institute of Actuaries, CFA charterholders, IIT and IIM alumni, and professionals currently active at top MNCs across at leadership positions.



***“We don’t just prepare students for exams.
We prepare them for careers.”***

WHO SHOULD APPLY?

Students with a genuine interest in mathematics, risk, and finance. Analytical commitment required.

Duration

Up to 4 Years (B.Sc. Honours). NEP exit options at 1, 2, and 3 years.

Fees

₹2,43,850 per annum

Intake

Only 60 seats. Apply early.

Eligibility

Class 12, any stream (Science / Commerce / Arts)

Maths at 12th?

Not mandatory. Bridging module provided.

Language

English proficiency required

Session Begins

July 2026

Apprenticeship

Guaranteed. Paid. For every student.

Accommodation

Outstation students may contact the university for guidance on nearby hostels and PG options in South Mumbai.

Scholarships

Multiple scholarships available for students from underprivileged, EWS, and backward communities. The Vice Chancellor is personally committed to ensuring no deserving student is turned away due to financial hardship.



Quick FAQs

Is actuarial science compulsory?

No. Both Actuarial Science and Finance are optional. You choose from Semester 5.

Is the apprenticeship really guaranteed?

Yes. Under AEDP, every student gets a paid placement via University MoU partners.

Formal exemptions from IFoA/IAI?

Not currently. The curriculum fully prepares you to sit the exams directly.

Can I do CFA/FRM alongside?

Yes. The programme structure supports parallel preparation.

Value without professional exams?

Absolutely. The degree stands on its own for careers in finance, analytics, and consulting.

Placement support?

Yes. Dedicated placement office, corporate partnerships, and alumni network.

Good foundation for postgrad abroad?

Yes. Strong fit for global master's programmes in management, finance, economics, and quant methods.



TOMORROW'S ACTUARIES AND ANALYSTS ARE CHOOSING THEIR PROGRAMME TODAY.



THIS IS WHERE.

LEARN IT. EARN IT. BEFORE YOU GRADUATE.

APPLY FOR 2026-27

Apply Online: hsncu.admissiondesk.org

+91 70211 44862 | www.hsncu.edu.in

head.actuarialsc_finance@hsncu.edu.in

HSNC University, Mumbai | 47, Dr. R. G. Thadani Marg, Worli, Mumbai 400 018

K.C. College Campus, Churchgate (Programme Delivery)

DISCLAIMER

Academic alignment does not constitute a formal exemption. Students register and sit exams independently. Salary figures are indicative. Apprenticeship stipends vary by employer, role, and performance. Degree completion does not entitle any professional designation unless granted by the concerned body.

HSNC School of Applied Sciences

HSNC University, Mumbai | A State Public University