



HSNC UNIVERSITY, MUMBAI

A STATE PUBLIC CLUSTER UNIVERSITY



KISHINCHAND CHELLARAM COLLEGE



DEPARTMENT OF CHEMISTRY

K.C. College Chem

ADMISSIONS OPEN FOR AY 2026-27



- B. Sc. in chemistry - 3 years program
- B. Sc. Hons. in chemistry - 4 years program
- M.Sc. in Physical/Inorganic/Organic and Analytical Chemistry

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 Kishinchand Chellaram 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.

About Department of Chemistry

Pioneering Excellence in Chemistry

The Department of Chemistry stands as one of the college's most prestigious and historic departments, distinguished by:

- Unique Infrastructure: Home to Maharashtra's only Nuclear & Radiochemistry Research Lab, enabling cutting-edge studies in rare specializations.
- Global Research Impact: Faculty and student research regularly published in top international journals, with notable recognition from NASA for groundbreaking work.
- Innovative Research Focus: Advanced instrumentation supports pioneering work in materials science, organic synthesis, and analytical chemistry, fostering future-ready scientists.

A legacy of innovation, excellence, and transformative research.



Programmes under Department of Chemistry

- BSc - 3 Years
- BSc (Honours) -4 Years
- MSc Chemistry (P/1/O/A) -2 Years
- MSc by research and PhD

Strength of Department of Chemistry



Expert Faculty

Majority are Ph.D.
Mentors with Minds that Research, Teach, and Inspire.

Scholars Across Disciplines
Department employs experienced faculty members with expertise in various fields of chemistry including Nuclear and radiochemistry, nano, polymer chemistry.



Research Opportunities

Jigyasa SHP (18 months program)

Undergraduate students are encouraged to join the Jigyasa Science Honors Program, which fosters in-depth knowledge and research skills

Aavishkar Research Convention (inter university state level research convention)

Students receive training for project development and presentation at Aavishkar Research Conventions, enabling them to showcase their innovative research.

Opportunities for B.Sc. Chemistry Students

- 1. Career Prospects**
 - Research and Development
 - 1. Research Scientist: Conduct experiments, analyze data, and develop new products or processes.
 - 2. R&D Manager: Oversee research projects, manage teams, and drive innovation.
 - Industry and Manufacturing
 - 1. Quality Control Chemist: Ensure product quality, safety, and compliance with regulations.
 - 2. Process Chemist: Develop and optimize chemical processes for large-scale production.
 - 3. Manufacturing Chemist: Oversee chemical production, troubleshoot issues, and optimize processes.
 - Academia and Education
 - 1. Professor/Lecturer: Teach chemistry courses, conduct research, and mentor students.
 - Other Opportunities
 - 1. Environmental Chemist: Study the impact of chemicals on the environment and develop sustainable solutions.
 - 2. Pharmaceutical Chemist: Design, synthesize, and test new medicines.
 - 3. Forensic Chemist: Analyze evidence, detect substances, and help solve crimes.
 - 4. Patent Chemist: Work with intellectual property, patent applications, and licensing.
- 2. Skill Development**
 - Critical thinking
 - Laboratory techniques
 - Safety Protocols
 - Experimental design
 - Presentation skills
 - Research methodology
 - Data Analysis
 - Effective communication
- 3. Industry Partnerships**
 - Piramal health care
 - GM Counter
 - Radiation Survey meter
 - Area Gamma Monitor
 - Alpha particle Counter
 - Gamma ray spectrometer
 - UV-Visible Spectrophotometer
 - IR Spectroscopy
 - Voltammetry
 - Atomic Absorption Spectrometer

Programme Overview & Eligibility Criteria



B.Sc. & B.Sc. (Hons) in Chemistry (As per NEP 2020 Structure – HSNC University, Mumbai)

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



Programme Structure

Component	BSc (3 Years)	BSc (Hons) (4 Years)	MSc
Duration	3 Years (6 semesters)	4 Years (8 semesters)	2 Years (4 Semesters)
Credits	~120	~160	~240
Exit Options	Available after 1st, 2nd, or 3rd year	Final year with research or specialization	-



Why to choose us?

- 01 Legacy of Excellence**
The department came into being in the year 1954, marking the beginning of an illustrious journey.
- 02 Highly Qualified Faculty**
Majority of faculty hold Ph.D.s in specialized fields:
 - Organic, physical, Inorganic, Physical & Analytical Chemistry
- 03 Research-Oriented Environment**
Student Research Programs:
 - Aavishkar Research Conventions participation
 - Jigyasa SHP
 - Dedicated UG/PG research projects with mentorship
- 04 Tech-Enabled Learning**
Advanced Facilities:
 - Modern labs (Spectroscopy, Chromatography, Computational Chemistry)
 - Instrumentation (FTIR, UV-Vis)
- 05 NEP-Compliant Curriculum**
Flexible Learning Paths:
 - B.Sc. (Chemistry) + Minor options (lifeScience and Microbiology)
 - Interdisciplinary electives under NEP 2020
- 06 Student-Centric Approach**
Holistic Development:
 - Placement support in pharma, FMCC, R&D, and academia
 - Seminars by industry experts (DRDO, TIFR, F&G, etc.)



What will learners gain?

- Strong Foundation – Master core & applied chemistry (Organic, Inorganic, Physical, Analytical) with industrial & research applications.
- Hands-on Skills – Train in HPLC, NMR, FTIR, ChemDraw for chemistry and modern lab techniques.
- Research & Innovation – Conduct projects, present at conferences (Aavishkar), and collaborate with CSIR/industries.
- Problem-Solving – Solve real-world challenges (drug design, pollution control) through case studies and competitions.
- Career Impact: Prepares students for higher studies (IIS/ IISc), pharma /FMCC jobs, R&D (BARC, DRDO), and startups.



State-of-the-art Infrastructure

Classrooms

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

Lab

The Central Instrumental Facility (CIF) is equipped with advanced research instruments, including:

- UV-Visible Spectrophotometer
- IR Spectroscopy
- Voltammetry
- Atomic Absorption Spectrometer
- Gamma ray spectrometer
- GM Counter
- Radiation Survey meter
- Area Gamma Monitor
- Alpha particle Counter

"he country which is in advance of the rest of the world in chemistry will also be foremost in wealth and in general prosperity."
-William Ramsay.



4. Industrial Visits

- Piramal health care
- Garuda Chemicals Ltd
- Artek Surfing Chemicals Ltd
- Tekplast
- Tao chemicals (Integrated Chemical Factory)
- PROANTER
- TIFR
- And many more



Eligibility Criteria

- Successful completion of HSC (12th Grade) or equivalent examination from any recognized board.
- 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.



Learnings from the Programme

Core Subject Areas

- Inorganic Chemistry
- Organic Chemistry
- Physical Chemistry
- Analytical Chemistry
- Industrial Chemistry
- Environmental Chemistry
- Pharmaceutical Chemistry
- Polymer Chemistry
- Nanotechnology & Materials Science
- Computational Chemistry
- Electrochemistry
- Spectroscopy & Instrumentation
- Applied Focus Areas:
 - Green Chemistry
 - Biochemistry

Practical Learning

- Lab Skills: HPLC, NMR, FTIR, ChemDraw
- Data Tools: Python/R for chem analysis
- Research: Jigyasa projects, Aavishkar presentations
- Industry Links: Pharma/FMCC workshops, R&D internships

Notable Alumni & Testimonials



Our alumni network extends globally, with graduates excelling in diverse industries. From finance to healthcare, research to analytics, our alumni make impactful contributions in their respective fields. These success stories are a testament to the high-quality education, hands-on training, and the opportunities offered at the Department of Chemistry, K.C. College.

- Miss Rashida Mun, Alumnus, Senior Perfumer at Englewoods Enterprises.
- Dr. Manjappa Mohammed, Assistant Professor, Royal College.
- Dr Dilip Tripathi, Alumnus, Senior Manager, R and D Johnson and Johnson.
- Dr Vijay Gurav, Assistant professor, Dapoli Urban college.
- Mr Amit Mondal, Hindustan Unilever Limited.
- Mr Viral Dave, Johnson & Johnson .



Laxmi Manoj
MSc 24-26

"K.C. College gave me an environment where I could challenge myself and grow. The experiences have shaped my academic and professional growth, and the opportunities have helped me in my personal and academic development."



Sanchi Ganesh
MSc 24-26

"My time in college has been a truly memorable journey filled with growth and learning. The chemistry department's supportive faculty always guided me when I needed it, and the ITV always greeted for the experiences and lessons I gained here."



Aaliyah Kapadia
MSc 24-26

"Reflecting on my college journey, I am grateful for the rigorous academic environment and the practical training that has equipped me with the skills and knowledge to excel in my field. The chemistry department's focus on research and innovation has been instrumental in my professional development."



Meghna
BSc 23-24

"Being the student of KC College's Chemistry department, I have learned so many interesting things related to not only chemistry but also about life. I had the best time of my college life and I'm very grateful to all the Faculty of Chemistry Department."



Anas Ansari
BSc 23-24

"I am deeply grateful to the Department of Chemistry at my undergraduate institution for shaping my scientific journey through rigorous coursework, hands-on practicals, and structured learning. The faculty's expertise and the department's focus on research and innovation have been instrumental in my professional development."



Jash Solanki
BSc 23-24

"My time in college has been a truly memorable journey filled with growth and learning. The chemistry department's supportive faculty always guided me when I needed it, and the ITV always greeted for the experiences and lessons I gained here."



Aunuska More
BSc 23-24

"I am profoundly thankful for my time at my undergraduate institution. The Chemistry Department didn't just provide a scientific education, they provided a family that stands by you in difficult times and cheers the loudest for your wins. This unique support system has shaped my future in a way I don't think any other place ever could. I shared my future in a way I don't think any other place could. I'm grateful to my professors for their contributions remain incredibly grateful to all my professors for their contributions to my journey."



Swaroop Karke
BSc 22-23

"I was just thinking about my undergrad days and how grateful I am for that experience. The professors were the real reason I developed such deep interest in Chemistry, and their support throughout the department, it was a family that had your back from the beginning and celebrated our wins with such heart. I'm grateful for the foundation they laid on a path in a way no other place could. I'm grateful to my professors for their contributions remain incredibly grateful to all my professors for their contributions to my journey."



Contact & Information

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

Main Contact Information	Department Contacts
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Email chemistry@kccollege.edu.in Website www.kccollege.edu.in	Department of chemistry 4th Floor, K. C. College Churchgate, Mumbai – 20 chemistry@kccollege.edu.in

Feel free to visit our campus or contact us through any of these platforms. We look forward to connecting with you!

