

# DEPARTMENT OF CHEMISTRY

B.Sc. - 3 years



## Unique Features of the Programme

- To provide comprehensive expertise in both theory and practical skills.
- Advanced equipment – hands-on training to enhance the learning experience.
- Internships and research projects – invaluable exposure in specific research domains.
- Empower students to discern potential career paths across diverse fields.

## Highlights about the Curriculum

- Imparts fundamental and advanced principles of chemistry – featuring core courses in inorganic, organic, and physical, dye chemistry and advance level of courses.
- Analytical Techniques and Instrumentation courses enhance students' proficiency in analytical aspects.

## Expertise of the Faculty members

- The Chemistry Department features distinguished faculty in Organic, Inorganic, Physical, and Applied Chemistry, fostering a dynamic learning environment.
- Their commitment to excellence ensures and carries the program to the forefront of academic and scientific development

## Key Benefits

- Chemistry graduates exhibit critical thinking, laboratory expertise, scientific and analytical expertise, excelling in problem-solving and decision-making.
- Their robust scientific and technical expertise, combined with interdisciplinary knowledge, positions them as skilled professionals contributing significantly across diverse scientific domains.
- IVVCV

## Student Life

- PSGRKCW is the residence to a vibrant and diverse student community, providing a range of clubs to nurture leadership and entrepreneurship skills.

## Chemical Society

- To foster enthusiasm for active engagement in chemistry, the department organizes diverse activities through the Chemical Society.
- Comprises invited lectures, seminars, and video conferences featuring experts from industry and academia.
- Workshops and symposia offer valuable insights into current research trends.
- Students acquire practical exposure through field trips to chemical plants, laboratories, and research institutes.

## Career Opportunities

- Scientific knowledge and practical skills – diverse roles like Quality Controller, Chemical Analyst, Research Associate, Project Assistant, and Environmental Chemist.
- Promising opportunities in industries – Cosmetics, Pharmaceuticals, Paints, Textiles, Energy, and Petroleum & Oil refineries.

## Placement & Higher Studies

- Postgraduate studies open avenues for chemistry graduates to enhance understanding, conduct research, and excel in leadership roles in the scientific community.
- Graduates pursue advanced studies at prestigious institutions like Salford University, Warsaw University, University of Munster, Ewha Womans University, IIT, IISc, CSIR – CECRI, NIT, IISER, Central University of Tamil Nadu, Pondicherry University, VIT and Shiv Nadar University.

## International study abroad opportunities

- Abroad opportunities provide chance to expand their academic, cultural, and personal horizons.

## Internships

- To apply theoretical knowledge in real-world contexts.
- Summer Research Fellowships – INSA-IASc-NASI, IIT, IISc, CIPET.

## Job Oriented Course

- Department offers JOC course “Instrumental Methods of Chemical Analysis” in Collaboration with Scientific and Industrial Testing and Research Centre (SiTarc), Coimbatore

## Alumni Success



**Ms. T. S. Shoba** (1977–82)  
Scientist, Vikram Sarabai Space  
Centre (VSSC) of Indian Space Research  
Organization, Trivandrum



**Dr. Vijila Edwin Kennedy** (1985–88)  
Founding Principal of Kumaraguru  
College of Liberal Arts and Science  
Coimbatore



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