



SS INSTITUTE OF PHARMACY

(A unit of VS Educational & Charitable Trust)

Approved by Tamilnadu Government & Pharmacy Council of India, New Delhi.
Affiliated to the Tamilnadu Dr. M.G.R. Medical University,
and The Directorate of Medical Education, Chennai.

PROGRAMME OUTCOME & COURSE OUTCOME DISPLAYED ON OUR INSTITUTION WEBSITE

PROGRAMME OUTCOMES (PO)

PO - 1 **Domain Knowledge:** Demonstrate comprehension of basic principles of pharmaceutical and allied sciences in all pertinent scenarios. Exhibit skills associated with the profession of pharmacy, pharmaceutical manufacturing practices and quality control.

PO - 2 **Problem analysis:** Use domain knowledge, analytical and critical thinking for solving problems and taking decisions during everyday practice in profession, industry and all work environment.

PO - 3 **Research and Development:** Exhibit knowledge from his major domain in problem identification, critical thinking, analysis and providing solutions to pharmaceutical and allied technology disciplines.

PO - 4 **Modern tools usage:** Demonstrate an ability to handle/use various tools, apparatus, instrument, equipment or machinery pertinent to the pharmaceutical domain with practical knowledge on standard operating procedures and safety aspects.

PO - 5 **The Pharmacist and Society:** Use contextual knowledge – informed reasoning to understand medical prescription, perform patient counseling. Recognize the necessity to engage in independent and life-long learning.

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PO - 6 **Environment and sustainability:** Demonstrate knowledge and responsibility while handling pharmaceutical techniques/ processes that have social and environmental impacts and promote sustainable development.

PO - 7 **Ethics:** legal behaviors in accordance with all drug, pharmaceutical, and pharmacy-related central, state laws and regulations.

PO - 8 **Individual and Team skills:** Function effectively as an individual member or leader in different teams and multidisciplinary settings. Assume a participatory or lead role in an organization's planning and execution of transformational projects to enhance its prospects.

PO - 9 **Communication:** Communicate effectively with the pharmaceutical scientific community, work- force and with society at large, with abilities to comprehend and write effective reports, make effective presentations and documentation.

PO - 10 **Project management abilities:** Demonstrate effective delegation and organizational skills. Organize work with necessary planning and execution to meet deadlines. Demonstrate knowledge and understanding of pharmaceutical, legal processes and apply them in project management.



PRINCIPAL,
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COURSE OUTCOMES (CO)
B.PHARM - YEAR - IV (SEMESTER - VIII)

BP801T	Biostatistics and Research Methodology
CO - 1	Learn general research methodology
CO - 2	Understand the basic concepts of biostatistics
CO - 3	Learn different parametric and non-parametric tests
CO - 4	Understand the functions of ethics committees in medical research
CO - 5	Develop the ability to apply the methods while working on a research project work
CO - 6	Describe the appropriate statistical methods required for a particular research design.

BP802T **Social and Preventive Pharmacy**

CO - 1	To understand the concept of health and health education.
CO - 2	To create awareness about various preventive measures of stated communicable and non-communicable diseases
CO - 3	To apply the knowledge of national health programmes mentioned in real world to serve the society.
CO - 4	To elaborate various vaccines under national immunization programme and their schedule
CO - 5	To demonstrate the impact of socio-cultural factors and urbanization on health.

BP811ET **Advanced Instrumentation Techniques**

Gained detailed knowledge on the principle, instrumentation and applications of NMR and mass spectroscopy methods in the drug analysis and drug discovery.



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The screenshot shows the SSIP website with the following details:

- Page Title:** BP811ET Advanced Instrumentation Techniques
- Course Outcomes (COs):**
 - CO - 1:** Gained detailed knowledge on the principle, instrumentation and applications of NMR and mass spectroscopy methods in the drug analysis and drug discovery.
 - CO - 2:** The students can able to Explain the principle, instrumentation and applications of thermal and X-ray diffraction methods in the drug analysis and drug discovery
 - CO - 3:** The students can able to describe the ICH and USFDA guidelines for the calibration and validation of instruments
 - CO - 4:** The students can able to describe the principle, instrumentation and applications of radioimmune assay in the drug analysis and drug discovery
 - CO - 5:** The students can able to Explain the principle, instrumentation and applications of hyphenated techniques in the drug analysis and drug discovery

The screenshot shows the SSIP website with the following details:

- Page Title:** BP809ET Cosmetic Science
- Course Outcomes (COs):**
 - CO - 1:** Understand the concepts of cosmetics, cosmeceuticals and its classification.
 - CO - 2:** Describe the role of cosmetic excipients and building blocks in the formulation of cosmetics
 - CO - 3:** Understand the formulation and evaluation of different cosmetic products.
 - CO - 4:** Evaluate cosmetics for various physico-chemical properties.
 - CO - 5:** Design of cosmetics and cosmeceuticals that address the problems of dry skin, acne, dermatitis, prickly heat, wrinkles, blemishes, hair fall, Dandruff, body odour, bleeding gums, mouth odour, teeth discoloration and sensitive teeth.



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