

VES COLLEGE OF PHARMACY

Hashu Advani Memorial Complex, Behind Collector Colony, Chembur (E), Mumbai – 400074

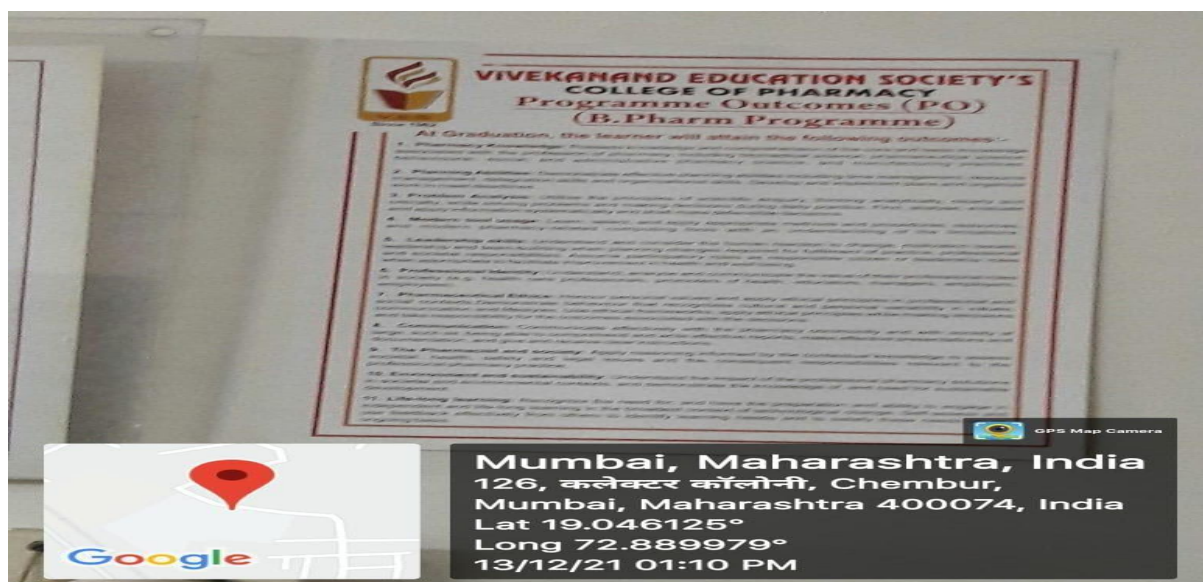
2.6.1 Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution

Display in college and Laboratories



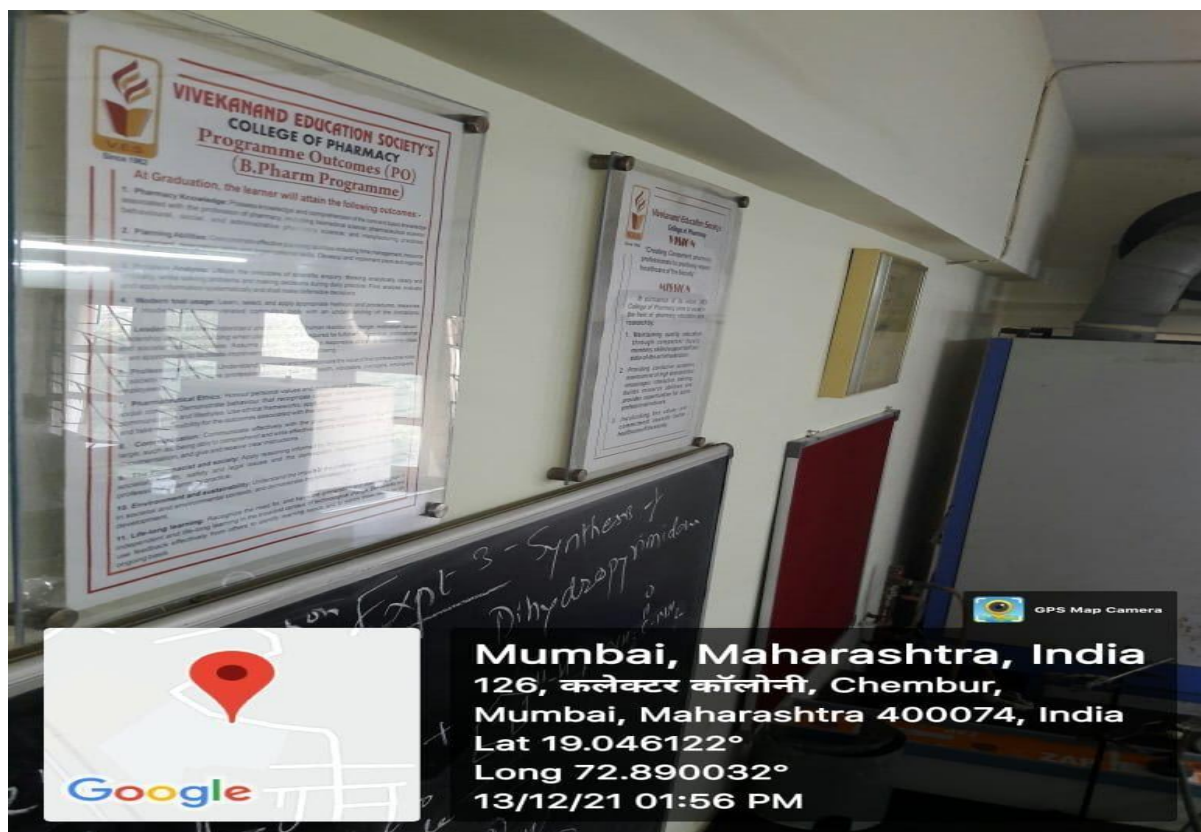
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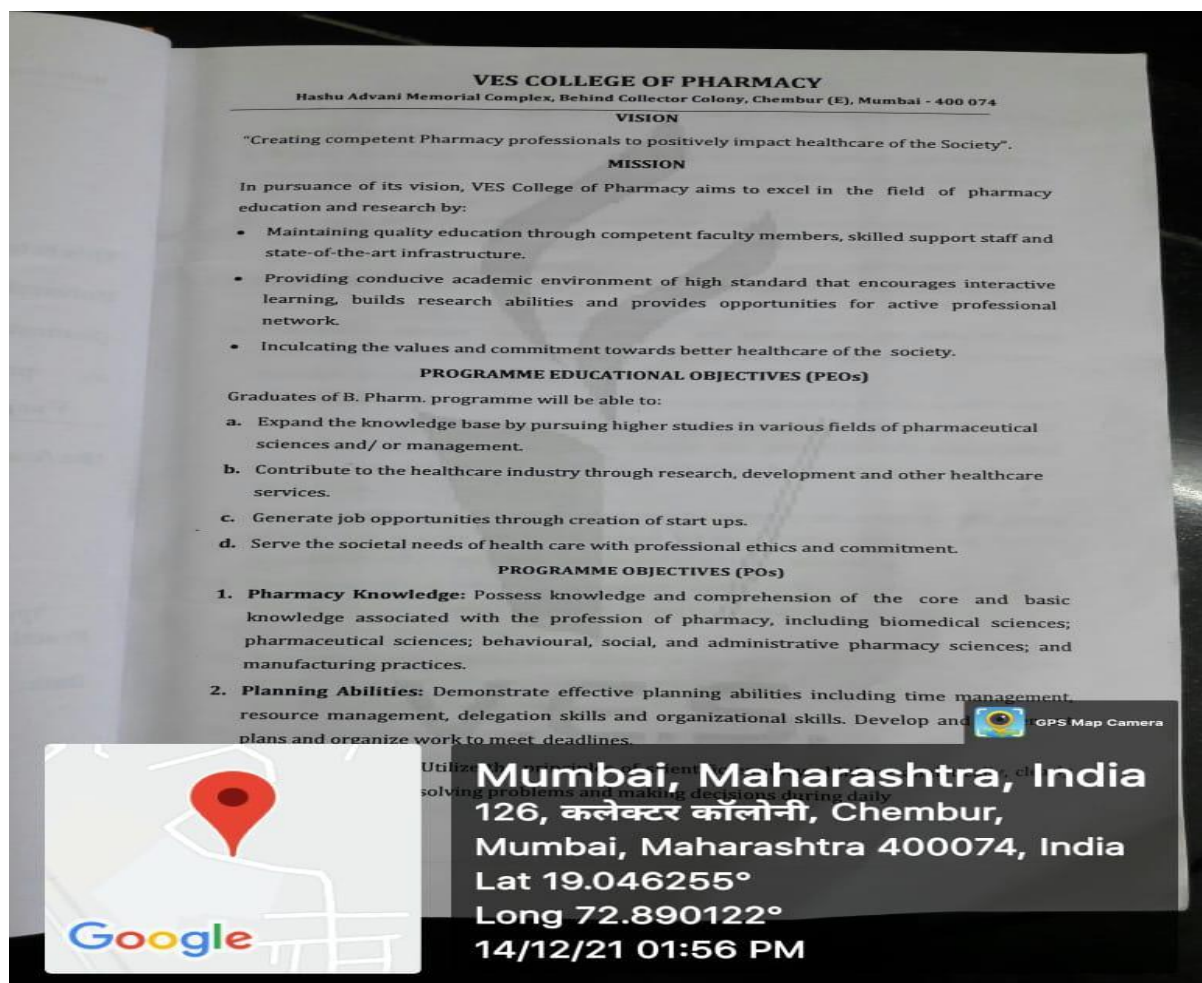
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Display of Course and Program outcome in Laboratory journals



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practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.

4. **Modern tool usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
5. **Leadership skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and wellbeing.
6. **Professional Identity:** Understand, analyse and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
7. **Pharmaceutical Ethics:** Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behaviour that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
8. **Communication:** Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
9. **The Pharmacist and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
10. **Environment and sustainability:** Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
11. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change and assess and use feedback effectively from others to identify learning needs and to satisfy ongoing goals.

Mumbai, Maharashtra, India
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Mumbai, Maharashtra 400074, India
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Final Year B. Pharm. SEM VII C.B.C.S. [Choice Based Credit and Grading System]
Pharmacognosy Lab II

Course Code: BPH_C_706_L	Final Year B. Pharm.	Semester: VII
Choice Based Credit and Grading System (CBCS)		
Type of course: Practical	Contact Hours: 4 Hrs/week	
Course assessment Methods:	Continuous mode of assessment	
Assessment Tools:	Continuous Assessment	ESE
Max. Marks:	2.5	40
Pre-requisites:	1) Basic Knowledge of Plant cell and Tissue 2) Basic Knowledge of Extraction of secondary metabolites and various methods of extraction	
Course Objectives	1) To study crude drugs representative to major parts of plants for their morphological features and microscopic characters including histology, powder characteristics. 2) To apply the knowledge of microscopic characters of the crude drugs in ascertaining genuinely of powdered formulations. 3) To extract and perform qualitative chemical tests belonging to various classes of phytoconstituents viz. Anthraquinone Glycosides, Cardiac Glycosides, Flavonoids, Cyanogenetic Glycosides, Alkaloids, Triterpenoid and Steroidal Glycosides, Saponins, Tannins. 4) To apply knowledge of analytical procedures in quantitative determination of total Aldehyde content / Phenol content / total alkaloids from crude drugs 5) To understand principles involved and carry out extraction of active constituents 6) To identify crude drugs based on the morphological characters and quote some formulations available in market with their therapeutic utility	
Course Outcomes: After the completion of course learner will be able to:		PO Mapped
CO1	Identify crude drugs based on morphological characters, microscopic characters and give biological source with the chemical constituents and therapeutic uses	1,3,6,7,9, 10,11
CO2	Apply the knowledge of microscopic characters in ascertaining the genuinely of powdered formulations.	1,3,6,7,9, 10,11
CO3	Extract and perform qualitative chemical tests on the crude drugs containing Anthraquinone Glycosides, Cardiac Glycosides, Flavonoids, Cyanogenetic Glycosides, Alkaloids, Triterpenoid and Steroidal Glycosides, Saponins, Tannins	1,3,6,7,9, 10,11
CO4	Apply analytical procedures and principles for quantitative determination of total Aldehyde content / Phenol content / total alkaloids from crude drugs	1,3,6,7,9, 10,11

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