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PRINCETON COLLEGE OF PHARMACY

(Affiliated to JNTUH & Approved by PCI, New Delhi)

Chowdaryguda, Korremula (V), Ghatkesar (M), Medchal (Dist.)-500 088

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

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Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools.

Teaching learning process at the institute is practiced and continually updated with the objective of outcome based learning. Student centric methods for enhancing learning experiences have been well adopted to ensure the holistic development of students and facilitate lifelong learning and knowledge management.

Experiential Learning: Except for a few group experiments, all of our laboratories practise individualized hands-on instruction and experimentation. Faculty guides students through the assignment and problems with testing activities. On a daily basis, the students' learning process in the laboratories is monitored. The students' experimental work is documented in their journals and reviewed on a regular basis by the professors. The professor monitors the students' technical skill learning during laboratory hours. The research project is required for M. Pharm. students to complete the programme. Each student is assigned a project guide by the institute. Students choose the topic of their project, which is primarily laboratory oriented, with the approval of the guide. Students then design, execute, and present their results in the form of a project report within the time frame specified. The M. Pharm. students' research work is examined by a University-appointed examiner. One month of industrial training is included as part of the programme. Additional modalities of implementation include NSS activities, healthcare awareness programmes (Pharmacist day/Aids day/NPW, for example), health check-up camps, and so on.

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Participatory Learning: The following are the institution's participatory learning activities: Usage of current instructional resources such as PowerPoint with animations, movies, and so on. To elucidate the fundamentals, atomic models and CADD (Computer Aided Drug Design) tools are used. In the Industrial Pharmacy, videos and hands-on demonstrations are used to illustrate unit procedures, machine operation, and so on. Both graduate and undergraduate students are encouraged to use advanced instruments such as UV, HPLC, and IR. During normal courses, group discussions and quizzes are held. All faculty members participate in interactive sessions by asking questions in class and soliciting comments at the end of lectures and throughout practicals. Students are exposed to seminars, workshops, guest lectures, and conferences on a regular basis. Student presentations on diverse themes. Personality Development workshops are part of the training and placement process. Students' use of ICT and e-learning. Visits to blood banks and pharmaceutical companies. Students are working on molecular models, charts, and displays. Encouraging students to engage in a variety of intercollegiate cultural and educational events.

Problem Solving Methodologies: Students' problem solving abilities are addressed through laboratory experiments and the use of applied level problems. Laboratory investigations such as organic compound identification, organic compound production and characterization, chemical kinetics determination, pharmaceutical dosage form stability testing, and so on. Assignments on numerous subject areas such as patch clamp & ELISA study, stem cell research reaction, mechanism involved in drug production, IR interpretation, and so on. PG students' research projects.

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