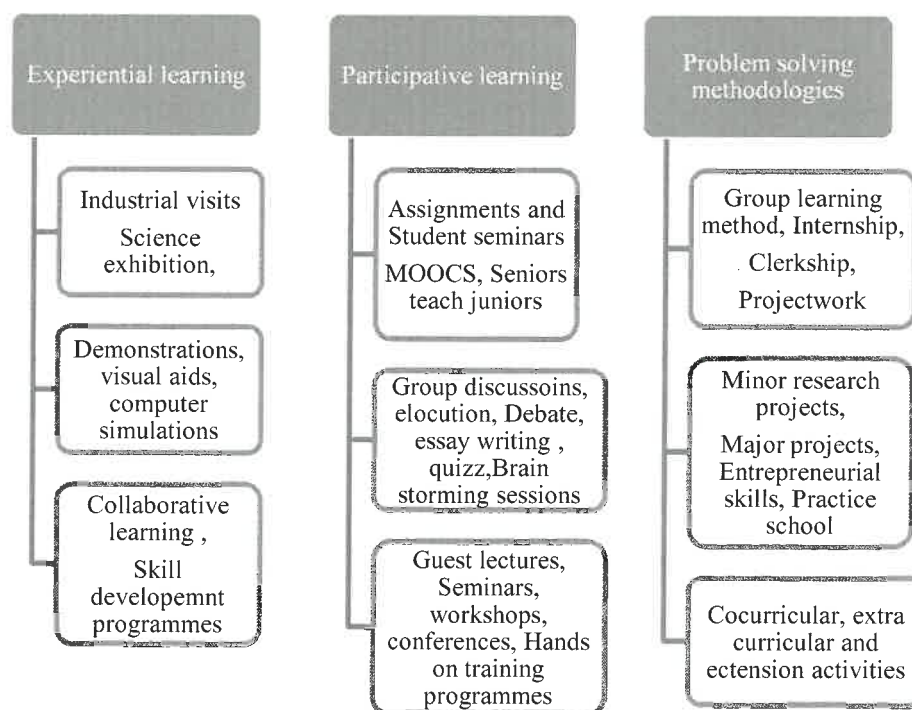


**2.3.1. Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences (Write description in maximum of 500 words)**

In addition to traditional talk and chalk method, CLPT strives for innovative teaching methodologies to enrich the learning capabilities of students by adopting student centric methods like experiential learning, participative learning and problem solving methodologies. The extent of usage of these methods differs from course to course depending on the course curriculum. However, there has been a paradigm shift from lecture method to modern tools of pedagogy.



**Experiential learning:**

The faculty members foster learning environment by engaging in rich experiential content of teaching through experimentation, demonstration, visual aids, periodical industrial visits, organizing exhibitions and skill development programmes as well.



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- **Industrial visits and Field trips:** The institution encourages the students for industrial visits and field trips to enhance their knowledge in practical exposure. Herbal garden visits and tours are also provided to the students.
- **Science Exhibitions:** Science exhibitions are conducted in the institution and the students from the other colleges and schools are invited. Students are also deputed to exhibit academic activities in other institutions/university. The student made articles and institutional equipments are displayed in the exhibition and demonstrated by the students there by encouraging the creative thinking, presentation skills and communication skills of student. Problem based learning is developed in the student by the faculty through asking reasoning questions in the related concept. Students exhibits are assessed by experts and rewarded, every year students of this institution bags prizes from ANU.
- **Demonstrations:** Effective illustration of theoretical concepts/ demonstrations are organized to enhance the interests of students. During the course of study, students are instructed to prepare simulated demonstrations and will be exhibited in Pharma exhibitions in conducted every academic year.
- **Collaborative learning:** The teachers of the institute, groups the students together to impact learning in a positive way. They work together to achieve a common goal during the process, weaker students are guided by the advanced learning. The other way of collaborative learning is organizing guest lectures where the concepts of the students are further enhanced as the guest lecturers shares their real life industrial examples. Skill development programmes with enriched curriculum is designed and conducted in all courses.

**Participative Learning:** Institute uses participative learning to encourage students to actively involve them in learning process. The college methods for participative learning like – Group Discussions, Small Group Exercises, Assignments, Elocution, Quiz, Case Study, Project etc.,

- **Assignments:** Students are allotted assignment topics in all courses to improve their linguistic skills and learning experiences.



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- **Student seminars:** Student seminars are mandatory in all programs offered by the institute. Usually, students present seminar on contemporary topics as well as state-of-the-art technologies.
- **Group discussions:** To develop conceptual frameworks, to learn problem solving skills and to share their own ideas on the concept group discussions are conducted. This type of teaching learning processes not assures active participation of the students and also enhances their personality, cultural, linguistic skills.
- **Journal Club:** Students and faculty gather to-discuss scientific paper/findings found in a research journal.
- **Seminars/Workshops/Conferences:** Seminars, Workshops/ Conferences (National and international) are organized by the institute in which students participate to enrich their learning experience. In addition to this they are encouraged, guided and at a time financially supported to participate in seminars, workshops, national and international conferences organized by other institutes also. Student winners are appreciated again by the institute with prizes for motivation of other students and to inculcate the zeal of participation.

**Problem solving methodologies:** Problem-solving is often used to learn to work in teams, and similar “transferable skills” rather than the subject itself. It is also used as a method of *assessment* (rather than teaching)

- **Group Learning Method:** Group learning allows the slow learners to develop problem solving, interpersonal, presentational and communication skills to confirm quality in learning with peer group. Under group learning, heterogeneous group of students comprising fast, average and slow learners are divided into groups of 5 to 10 members. Group Discussion, projects in groups or Assignments are conducted under group learning method.



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- **Internship :** Students during final year/immediately after completion of all courses, they are allowed to perform an year/1 month internship in an approved hospital/ industry/ research laboratory/ drug testing laboratory / preclinical activities/ industrial pharmacy operations/ synthesis of pharmaceuticals etc.,
- **Clerkship/Hospital posting:** Every student of Pharm.D program shall be posted in hospital for a period of 50hrs during second, third and fourth year of the programme. In fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship.
- **Project work:** Students during V<sup>th</sup> year (Pharm.D), final semester(s) (B.Pharmacy and M.Pharmacy) mandatory to undergo project work for 6 months to 1 year to buildup team work and group skills. Project work provides a learning experience in which students have the opportunity to synthesize knowledge from various areas of learning and apply critically and creatively to real-life situations. Every year about 150-160 students actively involve in project work in association with hospital/research laboratories/organizations.
- **Minor and Major Projects:** Students are grouped into 4 to 5 members and allotted to a faculty who guides them for a mini research project to inculcate the research attitude and to develop practical skills.
- **Entrepreneurial skills:** Students are trained for entrepreneurial skills and encouraged to involve to incubate ideas for commercialization. Students in association with faculty developed few pharmaceutical products.
- **Practice school:** Practice school course is offered during seventh semester of undergraduate program, where every student shall undergo the course for a period of 150 hours in the areas of analysis of pharmaceutical, industrial pharmacy operations, preclinical testing, synthesis of pharmaceuticals, community pharmacy, pharmacovigilance, etc.,



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- **Practical Knowledge Learning through Extra Curricular Activities:** Students participate in various extra –curricular activities organized by the institution like cultural and sports activities. The students are encouraged to participate in inter-collegiate cultural and sports competitions.
  1. The annual magazine of the institute “PRAXIS” and newsletters, make the students to express their creative thinking.
  2. The college have organized State Level Sports & Games Competitions every year
- **Learning through extension activities:** Students participate in extension activities like tree plantation, blood donation, swachh bharat abhiyan, NSS activities, health awareness programmes (under IPA-LAM activities), etc., it helps student to be a responsible citizen. Students act as volunteers and do organize activities whereby team spirit and leadership qualities are enhanced.
- **Supportive classes and quality enhancement of teaching:**

Additional input was provided to the students by teaching the concepts that are not provided in the curriculum and are considered as supportive classes. The concept in a subject when related to the other areas, that concept is delivered by the faculty who has sound knowledge in the respective area and is considered as Quality Enhancement of Teaching (QET) through interdisciplinary lecture.



*10/02/2021*  
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