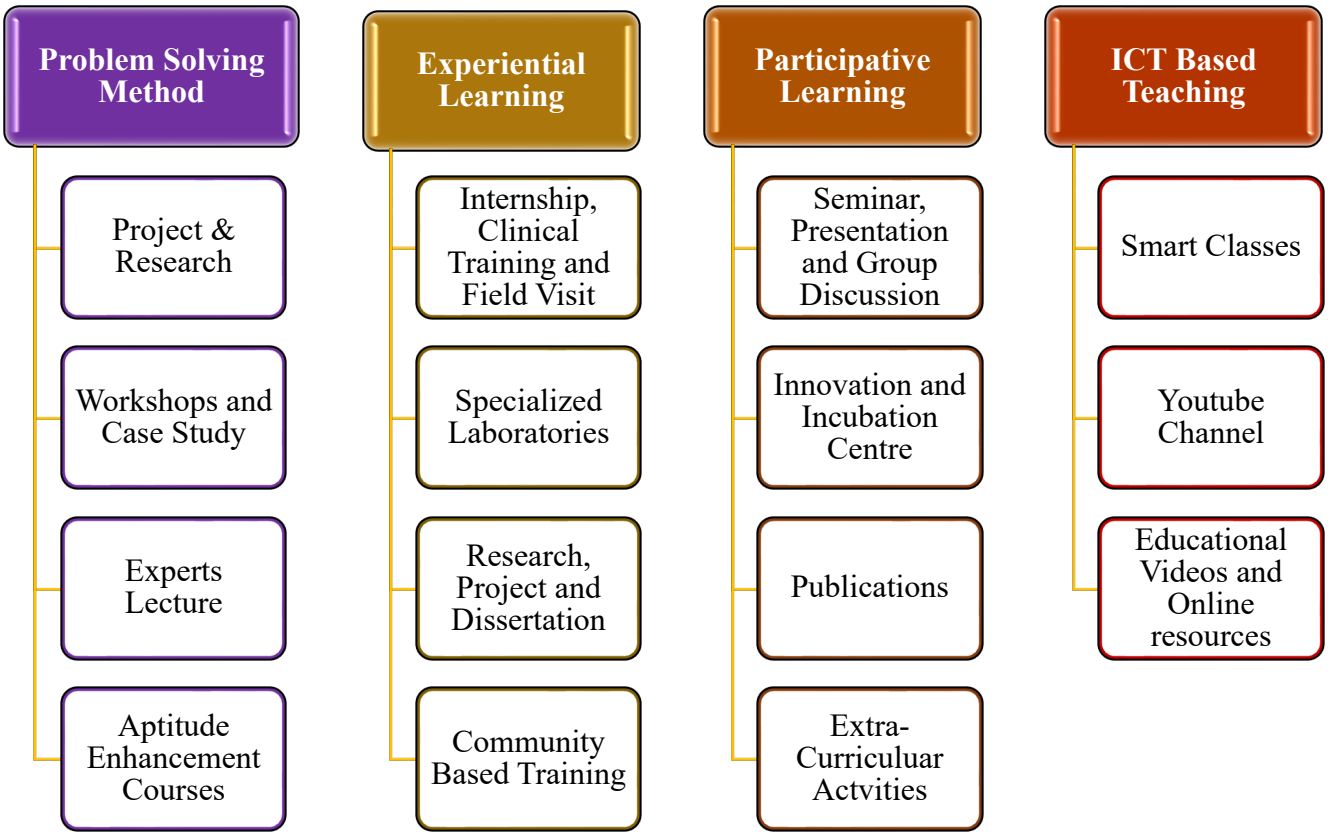
2.3.1. Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Jamia Hamdard lays a major focus on using student-centred teaching approaches to improve learning and prepare students to solve societal and global concerns. The whole process of Teaching-Learning involves the need, interest, and capabilities of the student based on the feedback obtained along with Teacher observation. Some of the methods used for enhancing learning in Jamia Hamdard:-



1. **Problem Solving Method:**

- Teaching students how to recognize problems, comprehend them, and apply the decision-making process.
- Projects, and research at undergraduate and postgraduate levels to develop analytical thinking.
- Hands-on Skill development Workshops to develop their practical knowledge in the relevant subjects, provide opportunities for students to work in their subject of interest, and enhance innovation and problem-solving ability.

- Brain-storming sessions for diagnosis and treatment planning of patients in the hospital.
- Aptitude Enhancement courses (management and ethics based) to develop the thought process required for problem-solving.
- Expert lectures / guest lectures by industry experts.

2. **Experiential Learning:**

- Compulsory internships and clinical training for Medical and Allied Courses to enrich the student's practical knowledge.
- Projects and dissertation work to help utilize the theoretical knowledge.
- Student collect and analyse data, prepare research paper, develope hypotheses and experimental design, perform research, analyze and interpret results, and present them in conferences/seminars.
- Students of appropriate programmes are taken for field, hospital, and specialized lab visits to demonstrate.
- Herbal garden is used to familiarize students with the medicinal importance of herbs and the collection of flora.
- There are specialized research laboratories in the field of Toxicology, Biotechnology, Biochemistry, and Pharmacy funded by various National Agencies such as DST and UGC FIST with the state of the art equipment to ensure that students can perform the experimental work using theory-based learning.
- The university has simulation-based software's, high-processing computer systems, and high-speed LAN connections to conduct virtual experiments and access information.
- Field-based interaction with the communities help students gain insight into their problems and devise solutions to their problem in various fields of Science and Technology, Health, Education.

3. **Participative Learning:-**

- Assignments, seminar presentations (Individual and Team based), case study presentations, and discussions by the students are conducted to enhance their confidence, communication and skills.
- Students undertake research work and publish them in reputed National and International Journals.
- Online Journals, Invited Lectures, Educational Videos, and Symposia support the teaching-learning process by augmenting the student knowledge and awareness..
- Wi-Fi campus to support educational activities and facilitate access to online resources
- The NSS Cell and the NCC sub-unit are open to students of both genders.
- Jamia Hamdard has constituted Innovation and Incubation Cell to encourage students to develop new and innovative models.
- Students are also encouraged to participate in various Extra-curricular activities to develop leadership and Collaboration abilities.

4. **ICT based Teaching**

- Both University and Faculties have YouTube channels, e-pathshala and slide share content to live stream, upload various informative webinars, and lectures.
- ICT-equipped smart classes for Teaching and Learning
- Efficient use of Google Meet, Google Classroom, and Google Group to provide reading materials and subject knowledge.