

Key Indicator -2.3 Teaching –Learning Process (20)

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 the effective teaching learning process.*

Response: 500 words

Student-centric methods such as experiential learning, participative learning, and problem-solving methodologies, along with ICT-enabled tools, are being used in the university to enhance the learning experiences of students.

- **Experiential Learning** encourages students to learn through hands-on experiences and experimentation. Experiential learning modules namely Mushroom Cultivation Technology, Poultry Production Technology, Organic Manure Production Technology, Commercial Horticulture, Soil Plant Water and Seed Testing, Dairy Production, Commercial Sericulture, Production Technology for Bio- Agents, Fish and Aquaculture, Seed Production Unit and Food processing, Plant Biotechnology, Animal Biotechnology, Microbial and Environmental Biotechnology and Bioinformatics are offered in the university. Educational tours in different higher learning centres of the country are organized for students where they get exposure to special lectures and new laboratory facilities.
- **Participative learning** emphasizes active student involvement in the learning process through discussions, group work, debates, and collaborative projects. It promotes critical thinking, communication skills, and teamwork. Under the Participative Learning mode assignments/seminars are allotted to students where they have to prepare and make presentations on the topic. Various community awareness/personality development programmes are arranged by NSS and NCC students where students work in a participative approach.
- **Problem-solving methodologies** encourage students to apply their knowledge and skills to tackle complex problems, fostering creativity, resilience and adaptability. Student READY (Rural Entrepreneurship Awareness Development Yojana) programme to provide rural entrepreneurship awareness and practical experience in rural agriculture is being conducted. Student READY programme covers 5 components viz., experiential Learning on Business Model / Hands on Training; Experiential Learning on Skill Development; Rural Awareness Works Experience (RAWE); Internship / In-Plant Training / Industrial attachment and student projects. The faculty members focus on making students participate by conducting classes in an interactive environment. Students are exposed to field and lab-based learning experiences as a part of their **internship programme**. UG students of Veterinary science are attached to veterinary hospitals and zoos as part of their internship

programme.

- **Blended learning platform** used in university. It provides a centralized digital hub where faculty can upload course content and learners can access it through their profiles. Faculty can continuously evaluate and refine their teaching methods, making evidence/data-based adjustments to optimize student learning outcomes.
- Use of **ICT enabled tools** like Projectors, Desktop & Laptops, Smart Podium with smart board, Online Classes conducted through WebEx, Zoom, Google Meet, Microsoft Team, Google Classroom. Most of the classrooms are built with multimedia facilities to effectively adopt and implement ICT in teaching learning process. Faculty use laptops and smart classroom technology. The university has 24 Smart classrooms and 4 modern computer laboratories. The university distributed 831 Tablets to the students during 2021-22 that were sponsored by the UP Government. Online Examinations are conducted as and when required. For recording, editing and mixing the lectures with high end Camera and editing software, the university has a Media Production center where 214 lectures have been recorded and edited. These lectures are available on YouTube Channel of the University (<https://www.youtube.com/channel/UC1SGgzO9HshY4Np8rYIcvXg/videos>). The university has an excellent IT infrastructure including a 24x7 Internet and Wi-Fi facility to enable e-learning.