Gokhale Education Society's
Sir Dr. M.S. Gosavi College of Pharmaceutical Education & Research, Nashik.
Prin. T. A. Kulkarni Vidynagar, Nashik - 422005. (M.S.), India

Affilated to SPPU, Pune & MSBTE, Mumbai ● Approved by PCI, New Delhi and DTE, Mumbai ● Recognized by Govt. of Maharashtra

An ISO 9001:2015 Certified Institute

Key Indicator – 2.3
Teaching- Learning Process
Metric No. 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

LINK FOR SUPPORTING DATA:

https://msgpharma.org/wp-content/uploads/2023/05/2.3.1.1-Supporting-Data.pdf

The Institute has developed a student centric approach for implementing the teaching-learning process. To employ the student centric approach different methods used are illustrated below:

Experiential Learning:

- **Laboratory Practical**: As a part of the curriculum, all students are required to acquire hands-on training and professional skills in the coursework.
- **Research projects**: Final Year B. Pharm work as a group and individual M. Pharm students carry out research and/or review projects as a part of their curriculum.
- **Industrial training** for B. Pharm students: T. Y. B. Pharm and/ or Final Year B. Pharm desirous of having industrial training are provided with opportunity to learn at different sectors in industries where they understand the functioning of each department which enriches there knowledge and enhances their carrier choices.
- **Hands on training workshops** on various instruments are conducted to expose students to different instruments.

Integrated Learning:

- **Industrial Visits**: Students gain a practical perspective and correlate it to theoretical knowledge received via curriculum.
- **Guest lectures**: Resource Persons from different fields are invited for expert talk.
- **NSS Activities:** Health Survey, Safe use of medicine, Malaria Dengue disease prevention awareness, etc. activities are carried out by NSS volunteers.

Participative learning: To develop the skills of teamwork, communication, leadership along with technical know-how students are encouraged to work in groups for various activities:

- **Preparation of Flash card, Herbarium, Learning Charts, demonstration models** and are promoted to participate in intra and inter collegiate events.
- **Poster & Oral Presentations:** Students participate as groups for different competitions arranged at state, national and international level.

Problem Based Learning: Tutorials, Assignments, Research, and review Projects which are directed towards problem solving.

Self-directed Learning: Students are given the opportunity to learn beyond curriculum by conducting add-on courses and online courses.

ICT enabled tools for effective teaching-learning process.

- Each classroom is equipped with LCD projector and high-speed internet connection utilized by all teachers.
- Online teaching – Learning process is done on zoom and google meet platform.
- Online platform of YouTube and Streamyard have been used to conduct online webinars, conference and student development programs on its own YouTube channel.
- Google classroom is used by all teachers for sharing of Study material, notes and communication with students and assessment, tutorials are conducted via use of Google forms.
- Teachers also post study material on social platforms like slide share, Authorstream.
- The use of computer simulated software for demonstrating animal experiments, Chemdraw and Swiss ADME for molecular structure drawing and study are taught.
- Open educational Resources: Teachers and students actively use open educational resources like e-books, e-journals, and other related course material for the effective teaching.
- Online Library membership of DELNET, NDL and Plagiarism X-checker software for checking plagiarism is used by students and faculty alike.
- Soul software is used for issue and return of library books.
- Language lab software is also available for improving communication skill.
- Social media is used to communicate with students.

ICT enabled teaching in the institute helps to enhance the learning experience of the students and encourage their active involvement in learning process.