

Best Practice: 2

1. Title of the Practice: Industrial exposure to the students

2. Objectives of the Practice:

Within the Department of Pharmaceutical Sciences, our aim is to enhance the educational experience by providing valuable industrial exposure opportunities to both B. Pharm and M. Pharm students. The objectives include:

- Exposing students to current research trends in the pharmaceutical industry.
- Improving practical knowledge and technical skills.
- Familiarizing students with various aspects of the pharmaceutical industry, such as quality systems, formulation troubleshooting, analytical method development, regulatory requirements, and intellectual property rights.
- Helping students identify their strengths and weaknesses to facilitate informed career decisions.

3. The Context:

The department emphasizes a comprehensive approach to learning, integrating theoretical concepts with practical applications. Students engage in experiments during practical hours, aligning with classroom learning on drug discovery and development.

4. The Practice:

The Department of Pharmaceutical Sciences facilitates various avenues for corporate interaction and industrial exposure, including:

- a. **Industrial Projects for Postgraduate Students:** M. Pharm students undertake research projects in reputable pharmaceutical industries, benefiting from exposure to advanced instruments, formulation and development processes, and validation activities.
- b. **Industrial Training for Undergraduate Students:** B. Pharm students undertake one-month rigorous industrial training, gaining firsthand experience of industry environments, standard procedures, and systems adopted in pharmaceutical industries. This training enhances their knowledge and skills acquired in the department, fostering qualities like integrity, responsibility, and self-confidence.

5. Evidence of Success:

1. M. Pharm students' exposure to the pharmaceutical industry has contributed significantly to their technical and interpersonal skills development.
2. Industrial exposure to B. Pharm students raises awareness among students, aiding them in making informed career choices.
3. Industrial visits allow students to relate theoretical knowledge to pharmaceutical manufacturing processes and facilitate interactions with industry executives.
4. Industrial training enhances students' exposure to industrial environments and fosters confidence.

6. Problems encountered and resources required:

1. Challenges include restrictions on the publication of research work conducted within industry R&D departments and limited consultancy or research funding opportunities from industry partners.
2. Access to additional resources and collaborations could address these challenges effectively.