

Best Practices @ Indore Institute of Pharmacy

1. Title of the Practice – Special Interest Groups (SIGs)

A. Objectives of the Practice –

Skill Improvement Groups/ Special Interest Groups contribute to constant updation of knowledge and enrichment of practical skills. The main objective of this practice is to provide skill-enhancement education and to enhance the Employability Quotient of the students. Institution aims to provide Industry Ready Professionals. SIGs help bridge the gap between Academia and Industry by skill-up of the students thereby making them industry ready.

B. The Context –

The prime objective of the New Education Policy is to “make India a knowledge superpower by equipping its students with the necessary skills and knowledge”. The needs of the industries keep on changing and it is a prerequisite for us to change and modify the curriculum, pedagogies, and evaluation procedures accordingly. The new digital age has compelled us to move towards OBE (Outcome Based Education).

At the end of the programme, the students are expected to possess skills and knowledge at par with the demands of the challenging job market. Lack of training leads to unskilled labourers and in turn may result in unemployment and underemployment.

To solve this problem IIP started a new concept in year 2018-19, called SIG i.e special Interest Groups (SIGs)/ Skill improvement Groups which provide certified skill courses, Training, Internship, Workshops, Expert Lectures etc. on latest research areas and technologies.

The special Interest Groups (SIGs) Certification Programs are based on Industry requirements on advanced technologies and tools. To enhance the industrial knowledge and to keep up with latest advancements the institute has invited/appointed experts from industry through MoUs and associations for giving training to our students.

The SIGs are planned in such a manner it does not affect the academics. Therefore, SIGs are scheduled after examination and before the beginning of a new session in every semester or combine with regular time tables with extra hours. Right from the first year SIGs are conducted during academics as regular practice.

During the situation of Covid-19 when offline conduction of SIGs was not possible, the institute adopted a system of online training on various software and technical sessions were conducted wherein experts trained the students from far-off areas could learn the skills.

C. The Practice –

Skill based learning through Skill Improvement Groups (SIGs) like Basics in MS-Excel, GLP and safety measures, Tableting technology, Clinical Research/ Pharmacovigilance/ Clinical data management, Herbal Drug Technology are being conducted and students are made aware of latest development in the world of technology.

Objectives of SIGs

Impart technical skills relevant for job-readiness in Pharmaceutical Industry. e.g.

- Basic concepts and applications of MS-Excel
- Good Laboratory Practice and its application in pharmaceutical industries.
- Tableting as a skill with operational expertise in rotary tableting machines and tablet evaluation parameters.
- Basic concepts of Clinical Research and Pharmacovigilance along with Clinical data management concepts.
- Basics of Herbal Drug Technology and its application in herbal industries for manufacturing and evaluation of herbal products.

D. The Evidence of Success–

After the completion of training the outcome of SIG is evaluated through Students' selection for various internships. After successful completion certificates are distributed.

E. Problems Encountered & Resources Required-

Financial Resources

Motivation to students for participation as these activities are additional to regular curriculum

2. Title of the Practice – Green Initiatives

A. Objectives of the Practice –

At IIP we strongly believe that natural resources should be judiciously used and conserved to its optimum. With this view we conceived the novel project and plan under the dynamic leadership of Shri Arun S. Bhatnagar, Director General of the institution to engage the entire group of institutions and to take forward this noble cause of saving the environment by implementing various green initiatives.

B. The Context –

IIP has a lush green campus, where variety of trees are planted that includes fruit plants, ornamental plants which not only add the aesthetic value to the campus but also prevent soil erosion. This has also conserved the biodiversity and new species of birds are seen in the campus. Apart from inculcating eco-friendly habits like ban on use of plastics, tree plantation various activities to bring about the awareness towards Nature Mother are conducted.

C. The Practice –

The 50 acres of lush green sprawling campus has well maintained greenery and biodiversity. Varieties of ornamental plants are grown with scientific methods of Horticulture. Organic farming is being practiced and crops & vegetables without chemicals are produced to supply in canteen.

- More than 3000 plants have been planted in the campus.
- The college maintains beautiful garden of decorative & flowering plants.
- Every year Plantation Drives are organized for newly admitted students.

D. The Evidence of Success–

- The air quality of the campus is improved after plantation of more than 3000 trees of various varieties.

- Healthy food and vegetables are supplied in the college canteen, which is the ultimate goal of achievement of practicing organic farming in the campus.

E. **Problems Encountered & Resources Required-**

- The main problem of organic farming is less production of food grains and vegetables as compare to chemical farming. So new organic farming techniques are required and training is also required so that high yield can be achieved.
- Constant vigilance against plant infections.
- Formulation and use of organic and unconventional herbal alternatives to pesticides.