



Industrial Training play vital role in pharmaceutical education, where you gain and learn with practical training. No matter how much better you are in your academics. Your actual exam start after completing education and that's the time to show your true calibre and potential. That's why universities include industrial training programs, as a part of the study because the student can understand the actuality of working environment and can choose the right path for the future. Industrial training is an opportunity for all those students, intended to enhance their professional skills and it gives them a confidence to work in an industry.

OBJECTIVES OF INDUSTRIAL TRAINING PROGRAMME

The objectives of the Industrial Training include:

- To provide students with practical, hands-on learning from professionals of pharmaceutical production.
- To expose students to a work environment, common practices, employment opportunities and work ethics
- in pharmaceutical manufacturing and R&D. To enhance the employability skills of the students.

CONTENTS OVERVIEW FOR 3 FULL DAY'S SESSION :

Day -1

Tablets manufacturing process - Includes introduction to dosage form, dispensing, Mixing, sifting, Granulation, drying, tablet compression, various types of packing and labelling. Equipment involved in tablet manufacturing process. Process of coating and equipments involved.

Day -2

Forenoon session,
Capsules manufacturing process - Includes introduction to dosage form, various sizes of capsules, mixing, sifting, capsules loading, filling, capping, various types of packing and labelling. Equipment involved in capsules manufacturing process.

Afternoon session,
Syrups manufacturing process - Includes introduction to dosage form, mixing, filtration, liquid transport, filling and capping and various types of packing and labelling. Belt and various other conveyers involved to liquid oral manufacturing.

Day-3

Exposure to below analytical instruments. Differential Scanning Calorimetry (DSC) – Instrumentation, Instrument handling, sampling process, Crimping procedure, software usage, integrating the thermograms.

Applications of DSC

Scanning Electron Microscope (SEM) – Instrumentation, Instrument handling, sample preparation, software usage.

Applications of SEM

Energy-dispersive X-ray spectroscopy (EDS, EDX, EDXS or XEDS) – Instrumentation and its parts, Instrument handling, sample preparation, software usage.

Applications of EDS

Transmission Electron Microscopy (TEM) – Instrumentation and its parts, Instrument handling, sample preparation, software usage.

Applications of TEM.

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