1.2 Academic Flexibility (30)

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1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during last five years)

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Institutional Program Brochure / notice for Certificate/Value added programs with course modules and outcomes

Date: 10/05/2024

NOTICE

All the students of B Pharm Third Year, final year and M. Pharm are hereby informed that our institute has organized an online Workshop on *"Intellectual Property Rights (IPR) and Patent Design Filing"* on 14/05/2024 at 11:00 AM in Dr. APJ Abdul Kalam Seminar Hall.

All the final year students must attend the same.

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Copy to: 1. Notice board

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Date: - 26/03/2024

NOTICE

Academic Year: 2023-24

It is hereby informed to all the students of B. Pharm Final Year that we are going to conduct an Add on course on **"HPLC: A Comprehensive Short Course for Analysts"** which will be held on 06/04/2024, 13/04/2024, 20/04/2024 and 27/04/2024. Interested Candidates should register to Ms. Minal Chaudhari before 02/04/2024 up to 5:00 pm.

Course Content

Day 1: Module I: General Chapters

Day 2: Module II: Method Development and Validation

Day 3: Module III: Practical handling - Hands on HPLC Software, Instrument handling

Day 4: Single component & Multi-component formulation analysis on HPLC, Qualitative drugs analysis and interpretation on HPLC

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Add on Course
on
High Performance Liquid Chromatography:
A Comprehensive Short Course for Analysts (30 Hrs.)

Eligibility:

B. Pharm

M. Pharm

Principal & Convener

Dr. Ganesh G. Tapadiya

Coordinator

Dr. Vishal C. Gurumukhi
Head, Department of Quality Assurance

Expert

Dr. Milind D. Kamble
Head, Dept. of Pharmaceutics

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Course Module

HPLC: A Comprehensive Short Course for Analysts

Introduction:
Quality Assurance (QA) and Quality Control (QC) are vital professions ensuring safe healthcare products globally. With rising regulatory demands on pharmaceuticals, skilled QA/QC professionals are essential for ensuring product quality.

Aims and Objectives:
The aim of this short course is to train specialists as effective teachers, analytical experts, and research workers in the field of Analysis. The course offers theoretical depth, hands-on skills, and practical exposure in HPLC for competent and confident Analytical Testing.

Duration of course
Short Course duration is 30 Hours covering Theory and Practical

Eligible Candidate
➢ Students holding Bachelor degree of Sciences, Pharmacy, Technology etc. are eligible for attending this Short Course.
➢ Students pursuing the Master degree of sciences, Pharmacy, Technology etc. are also eligible for attending this Short Course.

Course Structure: Theory
Module I: General Chapters
➢ Basic Principle, Instrumentation, Applications, Advantages and Disadvantages of High Performance Liquid Chromatography (HPLC Waters 2996).

Module II: Method Development and Validation
➢ Introduction to Method Development and validation
➢ Study of parameters in Method development.
➢ Importance in Research and Quality control.
➢ Importance and need of validation in Analysis
➢ Study of Validation parameters according to ICH guidelines

Practicals - Module III
➢ Hands on HPLC Software
➢ Instrument handling
➢ Single component formulation analysis on HPLC
➢ Multi-component formulation analysis on HPLC
➢ Qualitative drugs analysis and interpretation on HPLC
➢ Study of Validation parameters

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Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad

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HPLC: A Comprehensive Short Course for Analysts

Organized by:

Shreeyash Institute of Pharmaceutical Education & Research, Aurangabad

Shreeyash Institute of Pharmaceutical Education and Research

Shreeyash Institute of Pharmaceutical Education and Research is a Well-Known Pharmacy Institute located in Aurangabad, Maharashtra, India. It is affiliated to Dr Babasaheb Ambedkar Technological University, Lonere, Raigad. The institute offers Diploma, Undergraduate and Postgraduate Programs in Pharmacy including Diploma in Pharmacy (D.Pharm), Bachelor of Pharmacy (B. Pharm) and Master of Pharmacy (M.Pharm) courses. Shreeyash Institute of Pharmaceutical Education and Research is renowned for its high-quality education, advanced research facilities, and significant contributions to the pharmaceutical sciences.

Outcome of Short Course

✓ Outcome of the Short Course is to train specialist who can be effective teachers and medical experts and research workers in the specialised field of analysis.
✓ Short Course is designed to develop in-depth theoretical knowledge with hands on skills.
✓ Short Course is providing practical exposure to the participants to perform analytical testing using HPLC competently and confidently.
✓ Short Course makes the participant expertise in the method development and validation of single drug and simultaneous estimation of drug and troubleshooting on HPLC.

Eligible candidate :

➢ Students holding bachelor degree of Sciences, Pharmacy technology etc. are eligible for admission to Short Course.
➢ Students persuing the Master degree of science, Pharmacy, Technology etc. are also eligible for admission to Short Course.

Benefits to participants:
Candidates will get expertise in
✓ Product development
✓ Standardization of drugs and food product
✓ Analytical method development
✓ Quality Control
✓ Documentation and Validation

Short Course Duration- 4 Days - 6th April 2024, 13th April 2024, 20th April 2024, 27th April 2024 (30 Hours) including Theory and Practical

For further details Please Contact

Dr. Vishal C. Gurumukhi
Associate Professor and Head of Department of Quality Assurance
Mob. No. 8380048820

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Date: - 22/01/2024

NOTICE

Academic Year: 2023-24

It is hereby informed to all the students of B. Pharm Second Year that we are going to conduct an Add on course on **"Computer Skills"** which will be held on 03/02/2024, 10/02/2024, 17/02/2024 and 24/02/2024. Interested Candidates should register to Ms. Minal Chaudhari before 29/01/2024 up to 5:00 pm.

Course Content

Day 1: Microsoft word, Microsoft Outlook

Day 2: Microsoft Power Point, Microsoft Project

Day 3: Microsoft Excel

Day 4: Microsoft access

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Course Module

Add on Course

On

COMPUTER SKILLS

Shreeyash Pratishthan's

Shreeyash Institute of Pharmaceutical Education and Research,

Shreeyash Campus, Gut No 258 (P), Satara Parisar, Near SRPF Camp, Beed By Pass Road,

Aurangabad - 431010 (M.S.)

Website: www.syppharmacy.org, Email: shreeyashiper@gmail.com

Course Coordinator: Ms. Minal Chaudhari,

Assistant Professor and In-charge, Industry Institute Interaction cell

Mobile: 09823853844, Email: minal.chaudhari@syppharmacy.org

About the SYIPER

Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad, is a prestigious institution dedicated to Pharmaceutical Education and Research. Established in 2017, the institute has evolved into a centre of excellence, offering undergraduate and postgraduate programs in pharmaceutical sciences. The institute is approved by the Pharmacy Council of India (PCI) and affiliated with the Maharashtra State Board of Technical Education (MSBTE).

The institute is committed to providing high-quality education, research, and training in pharmaceutical sciences. Its state-of-the-art infrastructure, advanced laboratories, and experienced faculty create an ideal learning environment for students. Research is a significant focus area, with emphasis on drug development, pharmacology, and pharmaceutical technology. The institute has established collaborations with industry and academic partners, providing students with opportunities for internships, projects, and placements. Shreeyash Institute of Pharmaceutical Education and Research aims to produce competent pharmacists, researchers, and industry professionals who can contribute to the healthcare sector and society.

PREFACE

Scope and Significance:

Computer skills are increasingly crucial in the field of pharmacy due to their significant impact on various aspects of pharmaceutical practice and research. Here's why mastering these skills is essential:

1. **Data Management:** Pharmacists frequently deal with large datasets related to patient records, drug interactions, and clinical trials. Proficiency in computer skills enables efficient data entry, management, and analysis, ensuring accuracy and compliance with regulatory requirements.

2. **Research and Analysis:** Pharmacy students equipped with computer skills can conduct literature reviews, analyze research data, and interpret findings using specialized software and databases. This enhances their ability to contribute to evidence-based practice and drug development.

3. **Communication and Documentation:** Effective communication within healthcare teams and with patients relies on using electronic health records (EHR) and other digital communication tools. A computer skills course teaches students how to navigate these systems securely and professionally.

4. **Pharmacy Management Systems:** Knowledge of computer systems is essential for using pharmacy management software to track inventory, process prescriptions, and manage patient information efficiently. This improves operational efficiency and patient care.

5. **Professional Development:** Learning computer skills prepares pharmacy students for evolving technologies in the healthcare sector. It equips them with the adaptability needed to stay current with industry advancements and regulatory changes.

In conclusion, integrating a computer skills course into the pharmacy curriculum enhances students' ability to thrive in modern pharmaceutical practice. It equips them with the tools needed to succeed in data-driven research, patient care, and pharmacy management, thereby shaping competent and future-ready pharmacists.

Objectives of the Course:

1. **Skill Development:** Equip students with essential computer skills required in pharmaceutical practice, research, and management.

2. **Data Management Proficiency:** Enable students to efficiently manage and analyze pharmaceutical data using appropriate software and tools.

3. **Research Enhancement:** Enhance students' ability to conduct literature reviews, analyze research data, and apply findings to pharmaceutical sciences.

4. **Communication and Documentation:** Teach students effective use of electronic health records (EHR) and digital communication tools for professional communication and documentation.

5. **Pharmacy Management Systems:** Familiarize students with pharmacy management software for inventory tracking, prescription processing, and patient management.

6. **Adaptability and Professionalism:** Prepare students to adapt to evolving technologies in healthcare and pharmaceutical industries while maintaining professionalism and compliance with regulatory standards.

7. **Career Readiness:** Enhance students' employability by equipping them with practical computer skills relevant to pharmaceutical practice and research.

8. **Integration of Theory and Practice:** Provide hands-on training and practical exposure to reinforce theoretical knowledge and develop confidence in using computer applications in pharmacy.

These objectives aim to ensure that pharmacy students gain comprehensive computer skills essential for their professional development and success in the pharmaceutical field.

Course Content: (Total 30 hrs theory and Practical sessions)

The content of Computer Skills certificate course will be theory as well as practical training sessions covering following topics.

Microsoft word - 6 hours

Introduction to Microsoft word, document views, entering and editing text, saving and opening documents, navigating and selecting text, editing, copying and moving text, formatting documents, using bullet and number lists, using tabs, introduction to tables, inserting pictures, page layout and printing

Microsoft PowerPoint - 6 hours

Introduction to Microsoft PowerPoint, creating a presentation, entering and editing text, managing text, text boxes and tables, pictures and drawings, smart art and charts, presentation designs and formatting, printing PowerPoint presentations, simple animations, running slide shows

Microsoft Excel - 6 hours

Introduction to Microsoft Excel, entering and amending data, saving and opening work books, navigating and selecting ranges, entering formulas, inserting/deleting rows and columns, formatting worksheets, using simple functions, copying, moving and autofill, relative vs absolute references, previewing and printing

Microsoft access - 6 hours

Overview of relational databases, introduction to Microsoft access, creating a database, creating tables and modifying table design, working with tables select queries, creating and using forms, creating and using reports, database management

Microsoft Outlook 3 hours

Customise messages settings, organise and locate Outlook messages, set calendar options, track activities using the journal, assign and track tasks, share folder information, customise the outlook environment.

Microsoft Project - 3 hours

Fundamentals of project management, introduction to MS project, task relationships and constraints, resources and calendars, assigning resources to task, managing costs, analysing and tuning schedules, reporting and tracking progress, customising Microsoft project, consoliding multiple projects

Syllabus design and developed by:

Mr. Kishan B. Jaiswal

Course Outcome :

A 30-hour Microsoft Office course can provide you with a comprehensive understanding of various Office applications, depending on the specific focus of the course. Here's a general outline of what you might expect to achieve from such a course:

1. Microsoft Word

- **Basic Skills:** Creating, formatting, and editing documents; using styles and themes.
- **Intermediate Skills:** Advanced formatting, creating tables, using templates, and incorporating graphics.
- **Advanced Skills:** Mail merge, creating and managing long documents, and using advanced features like track changes and comments.

2. Microsoft Excel

- **Basic Skills:** Navigating the interface, creating and formatting spreadsheets, basic formulas and functions.
- **Intermediate Skills:** Using intermediate functions (e.g., VLOOKUP, HLOOKUP, and IF statements), creating charts and graphs, and data management techniques.
- **Advanced Skills:** Advanced formulas and functions, pivot tables, data analysis tools, and automating tasks with macros.

3. Microsoft PowerPoint

- **Basic Skills:** Creating and formatting presentations, using templates and themes.
- **Intermediate Skills:** Incorporating multimedia elements, designing slide layouts, and using transitions and animations.
- **Advanced Skills:** Creating custom templates, advanced animation techniques, and preparing presentations for different devices and formats.

4. Microsoft Outlook

- **Basic Skills:** Managing emails, calendar events, and contacts.
- **Intermediate Skills:** Using advanced email features (e.g., rules, filters), scheduling meetings, and managing tasks.
- **Advanced Skills:** Integrating Outlook with other Office applications, using advanced search and organizational tools.

5. Microsoft Access (if included)

- **Basic Skills:** Creating and managing databases, using tables, forms, queries, and reports.
- **Intermediate Skills:** Advanced querying techniques, database relationships, and data validation.
- **Advanced Skills:** Designing complex database structures, automating tasks with macros, and using VBA (Visual Basic for Applications) for custom solutions.

Additional Benefits:

- **Improved Efficiency:** Learn shortcuts and tips to speed up your workflow.
- **Professional Competency:** Enhanced ability to create professional documents, reports, and presentations.
- **Problem-Solving Skills:** Ability to handle complex tasks and troubleshoot common issues in Microsoft Office applications.

Certification:

Depending on the course, you might receive a certificate of completion or even prepare for Microsoft Office Specialist (MOS) certification exams.

Overall, a 30-hour course should give you a strong foundation in Microsoft Office applications and help you apply these skills effectively in a professional setting.

Course Details:

Eligibility for the course: All the Diploma, Graduates and Post Graduate Students.

Course Mode of Conduct:

Blended mode both theory and Practical

Offline (Classroom)

Online platforms

Course Duration:

4 Days (30 contact hrs of theory and Practical) without affecting regular academic activities

Medium of Instructions: English

Experts and trainers from training institutes and professional organizations will conduct the sessions.

For more details Contact:
Mr. Kishan B. Jaiswal,
Assistant Professor,
Shreeyash Institute of Pharm. Edu. & Res.,
Chh. Sambhajnagar
Mob. 8830486696

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Date -10 /01/2024

NOTICE

(Academic year):2023-2024

It is hereby informed to all the students of Final year we are going to conduct add on course on **"Theoretical and practical knowledge about Instrumentation"** will be held from 23/01/2024 to 27/01/2024 by **Oxy Servelife Laboratories Pvt.Ltd.** Interested candidate should be register to Mr.Vinayak Mhaismale on or before 19/01/24 up to 5:00 pm.

Module design

Duration: 30 hours

Session will be carried out for 4 days, 8 Hours daily from 10 am to 6 pm.

Day 1: Types of chromatography, Introduction to High performance liquid chromatography and its parts

Day 2: Types of stationary phases, types of mobile phases, Types of detectors and pumps. Types of HPLC injectors.

Day 3: Application of high performance liquid chromatography.

Day 4: HPLC maintenance and trouble shooting.

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Dr.Ganesh Tapadiya

Principal
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Content	Schedule
Course date	23/01/2024 to 27/01/2024
Last date to register	19/01/2024
Registration fees	500/-

Module Design

Duration: 30 hours, Session will be carried out for 4 days, 8 Hours daily from 10 am to 6 pm.

Day 1:

Types of Chromatography, Introduction to High Performance liquid chromatography and its parts.

Day 2:

Types of stationery phases, Types of mobile phases, Types of detectors and pumps. Types of HPLC injectors.

Day 3:

Application of High Performance liquid chromatography

Day 4:

HPLC maintenance and trouble shooting

Mr. Avinash Chaudhary

Authorized signatory

Oxy Servelife Laboratories Pvt. Ltd.

Dr. Ganesh Tapadiya

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Principal
Shreeyash Institute Of Pharmaceutical
Education And Research, Aurangabad
SYPER
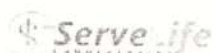
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In association

Oxy Servelife Laboratories Pvt. Ltd.

This course introduce a 30 Hrs. program that assures the theoretical and practical knowledge about instrumentation. We believe that until students will not acquire practical knowledge they won't able to get properly trained in concern field of Pharmacy.

All the students from final year are welcomed for the program. Students who want to learn with theoretical knowledge and practical exposed can join the program.

We have a versatile and modern approach to teaching, therefore students who are eager to learn, want to do something recreational and utilize their time creatively are definitely meant for this course.

Course Objectives:

This value added course aims to give about theoretical and practical knowledge of high performance liquid chromatography.

Course Outcomes:

By successfully completing the course. Students will able to.

- HPLC principle and sample preparation.
- Gain the knowledge about trouble shooting and maintenance of HPLC.
- Learn the application of HPLC.

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"Theoretical and practical knowledge about Instrumentation"

Schedule

Day 1

Types of Chromatography

Chromatography is a technique used to separate and analyze the components of a mixture. There are several types of chromatography, each suited for different types of analyses:

1. **Paper Chromatography**:
   - **Principle**: Based on partition chromatography.
   - **Usage**: Used for separating amino acids, small molecules, and pigments.
2. **Thin Layer Chromatography (TLC)**:
   - **Principle**: Similar to paper chromatography but uses a thin layer of silica gel or alumina on a glass or plastic plate.
   - **Usage**: Used for monitoring the progress of reactions, analyzing the purity of compounds, and identifying substances.
3. **Column Chromatography**:
   - **Principle**: Involves a stationary phase (solid) and a mobile phase (liquid or gas).
   - **Usage**: Used for purifying individual chemical compounds from mixtures.
4. **Gas Chromatography (GC)**:
   - **Principle**: Uses a gas as the mobile phase and a liquid or solid stationary phase.
   - **Usage**: Used for separating and analyzing compounds that can be vaporized without decomposition.
5. **High-Performance Liquid Chromatography (HPLC)**:
   - **Principle**: Uses high-pressure pumps to pass a liquid mobile phase through a column filled with a solid stationary phase.
   - **Usage**: Used for separating, identifying, and quantifying components in a mixture.
6. **Ion Exchange Chromatography**:
   - **Principle**: Separation based on the charge of the molecules.
   - **Usage**: Used for proteins, peptides, and other charged molecules.
7. **Affinity Chromatography**:
   - **Principle**: Utilizes the specific interactions between a target molecule and a ligand.
   - **Usage**: Used for purifying proteins, nucleic acids, and other biomolecules.
8. **Size Exclusion Chromatography (SEC)**:
   - **Principle**: Separates molecules based on their size.
   - **Usage**: Used for polymers, proteins, and other large molecules.

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Introduction to High-Performance Liquid Chromatography (HPLC)

High-Performance Liquid Chromatography (HPLC) is a powerful analytical technique used for the separation, identification, and quantification of components in a mixture. It operates under high pressure to push solvents through columns packed with fine particles, enabling efficient and high-resolution separation of compounds.

Principles of HPLC

- **Mobile Phase**: A liquid solvent that carries the sample through the column.
- **Stationary Phase**: A solid material packed into a column where the separation occurs.
- **High Pressure**: Used to increase the flow rate and reduce the time required for separation.
- **Retention Time**: The time it takes for a particular compound to pass through the column to the detector.

Parts of HPLC

1. **Solvent Reservoirs**: Containers holding the mobile phase solvents.
2. **Pump**: Generates high pressure to move the mobile phase through the column.
3. **Injector**: Introduces the sample into the mobile phase stream.
4. **Column**: Contains the stationary phase where separation of compounds occurs.
5. **Detector**: Identifies and quantifies the separated compounds as they elute from the column.
6. **Data System**: Collects and analyzes the detector signals to produce chromatograms.

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Day 2

Introduction to HPLC Components

- Overview of HPLC and its importance in analytical chemistry.
- Brief introduction to the main components: stationary phases, mobile phases, detectors, pumps, and injectors.

Types of Stationary Phases

1. **Normal Phase**:
   - **Description**: Polar stationary phase and non-polar mobile phase.
   - **Usage**: Separation of polar compounds.
2. **Reverse Phase**:
   - **Description**: Non-polar stationary phase and polar mobile phase.
   - **Usage**: Most common; used for non-polar or moderately polar compounds.
3. **Ion Exchange**:
   - **Description**: Charged stationary phase.
   - **Usage**: Separation of ions and polar molecules based on their charge.
4. **Size Exclusion (Gel Filtration)**:
   - **Description**: Separation based on molecule size.
   - **Usage**: Analysis of large molecules like proteins and polymers.
5. **Affinity Chromatography**:
   - **Description**: Uses specific interactions between a ligand and target molecule.
   - **Usage**: Purification of proteins, nucleic acids, and other biomolecules.

Types of Mobile Phases

1. **Aqueous Solutions**:
   - **Description**: Water-based solutions.
   - **Usage**: Common in reverse-phase HPLC.
2. **Organic Solvents**:
   - **Description**: Methanol, acetonitrile, etc.
   - **Usage**: Used in various types of HPLC for different solubility properties.
3. **Buffer Solutions**:
   - **Description**: Aqueous solutions with specific pH.
   - **Usage**: Stabilizing the pH of the mobile phase for consistent separation.

Types of Detectors

1. **UV-Visible Detectors**:
   - **Description**: Measures absorbance of UV or visible light.
   - **Usage**: Widely used for compounds with chromophores.
2. **Refractive Index Detectors**:
   - **Description**: Measures changes in refractive index.
   - **Usage**: For compounds without UV absorbance.
3. **Fluorescence Detectors**:
   - **Description**: Measures emitted light from excited molecules.
   - **Usage**: Highly sensitive for fluorescent compounds.
4. **Mass Spectrometry (MS) Detectors**:
   - **Description**: Measures mass-to-charge ratio of ions.
   - **Usage**: Provides detailed molecular information.
5. **Electrochemical Detectors**:
   - **Description**: Measures current produced by oxidation/reduction reactions.
   - **Usage**: For analytes that can undergo redox reactions.

Types of Pumps

1. **Isocratic Pumps**:
   - **Description**: Delivers a constant mobile phase composition.
   - **Usage**: Simple separations with a single mobile phase.
2. **Gradient Pumps**:
   - **Description**: Varies the mobile phase composition during the run.
   - **Usage**: Complex separations with changing solvent strengths.

Types of HPLC Injectors

1. **Manual Injectors**:
   - **Description**: Operator manually injects the sample.
   - **Usage**: Simple, cost-effective for low-throughput applications.
2. **Auto Injectors (Autosamplers)**:
   - **Description**: Automatically injects samples from vials.
   - **Usage**: High-throughput, consistent, and precise injections

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Day 3

Introduction to HPLC Applications

- Brief overview of HPLC.
- Importance and versatility of HPLC in analytical chemistry.

Pharmaceutical Industry

1. **Drug Development**:
   - **Description**: Analyzing purity, potency, and stability of pharmaceutical compounds.
   - **Example**: Determination of active pharmaceutical ingredients (APIs).
2. **Quality Control**:
   - **Description**: Ensuring batch-to-batch consistency and compliance with regulatory standards.
   - **Example**: Detection of impurities and degradation products.
3. **Pharmacokinetics and Bioavailability**:
   - **Description**: Studying the absorption, distribution, metabolism, and excretion (ADME) of drugs.
   - **Example**: Measuring drug concentrations in biological fluids.

Environmental Analysis

1. **Water Quality Testing**:
   - **Description**: Detecting pollutants and contaminants in water sources.
   - **Example**: Analysis of pesticides, herbicides, and industrial chemicals.
2. **Soil and Air Monitoring**:
   - **Description**: Assessing environmental pollution levels.
   - **Example**: Measuring volatile organic compounds (VOCs) and heavy metals.
3. **Food Safety**:
   - **Description**: Detecting contaminants, additives, and nutritional content.
   - **Example**: Determination of preservatives, mycotoxins, and vitamins.

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Clinical and Biomedical Applications

1. **Clinical Diagnostics**:
   - **Description**: Analyzing biological samples for disease markers.
   - **Example**: Measurement of hormones, metabolites, and therapeutic drugs.
2. **Biotechnology**:
   - **Description**: Purifying and characterizing biomolecules.
   - **Example**: Protein and peptide analysis.
3. **Forensic Analysis**:
   - **Description**: Identifying substances in forensic samples.
   - **Example**: Detection of drugs of abuse and toxic substances.

Food and Beverage Industry

1. **Quality Control**:
   - **Description**: Ensuring product consistency and safety.
   - **Example**: Analysis of flavors, colors, and preservatives.
2. **Nutritional Analysis**:
   - **Description**: Determining the content of nutrients.
   - **Example**: Measuring vitamins, amino acids, and sugars.
3. **Contaminant Detection**:
   - **Description**: Identifying harmful substances in food products.
   - **Example**: Detection of pesticides, heavy metals, and mycotoxins.

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Day 4

Introduction to HPLC Maintenance and Troubleshooting

- Brief overview of the importance of maintenance and troubleshooting.
- Goals for the session: understanding maintenance routines and solving common problems.

Routine Maintenance Procedures

1. **Daily Maintenance:**
   - **System Checks**: Inspecting the system for leaks and ensuring all connections are secure.
   - **Solvent Preparation**: Ensuring solvents are clean and properly degassed.
   - **Column Care**: Flushing the column with appropriate solvents to prevent contamination and blockages.
2. **Weekly Maintenance:**
   - **Pump Maintenance**: Checking pump seals and piston for wear.
   - **Detector Maintenance**: Cleaning the flow cell to avoid contamination and ensure accurate readings.
   - **Autosampler Maintenance**: Ensuring the injection needle and sample loop are clean and functioning properly.
3. **Monthly Maintenance:**
   - **Degassing System**: Checking and maintaining degassing units.
   - **Filter Replacement**: Replacing in-line filters to prevent clogs and contamination.
   - **Tubing Inspection**: Inspecting and replacing worn or damaged tubing.

Troubleshooting Common HPLC Issues

1. **Pressure Problems:**
   - **High Pressure**: Causes and solutions (e.g., clogged column, blockage in the flow path).
   - **Low Pressure**: Causes and solutions (e.g., leaks, pump malfunction).
2. **Baseline Noise and Drift:**
   - **Noise**: Causes (e.g., detector issues, mobile phase impurities) and solutions.
   - **Drift**: Causes (e.g., temperature fluctuations, mobile phase changes) and solutions.
3. **Poor Peak Shape:**
   - **Tailing Peaks**: Causes (e.g., column overload, interaction with active sites) and solutions.

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- o **Fronting Peaks**: Causes (e.g., sample solvent mismatch, column issues) and solutions.

4. **Retention Time Shifts**:
   - o **Causes**: Changes in mobile phase composition, flow rate fluctuations, column degradation.
   - o **Solutions**: Ensuring consistent mobile phase preparation, regular system calibration.

5. **Detector Issues**:
   - o **No Signal**: Causes (e.g., lamp failure, connection issues) and solutions.
   - o **Unstable Signal**: Causes (e.g., air bubbles, mobile phase issues) and solutions.

Practical Demonstration and Best Practices

1. **Live Demonstration**:
   - o Showing routine maintenance steps on an actual or simulated HPLC system.
   - o Demonstrating how to troubleshoot a common issue, such as a pressure problem or baseline noise.

2. **Best Practices**:
   - o Keeping detailed maintenance logs.
   - o Regular calibration and validation of the system.
   - o Proper training for all users on maintenance and troubleshooting procedures.

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Date -23/11/2023

NOTICE

Academic year: 2023-2024

It is hereby informed to all the students of First to Final year welcomed to the add on course which assures **"TRANSFORMATION in the mindsets of young minds"** from 4th December 2023 to 7th December 2023 by **SHASHWATGYAN**. Interested candidates should be register to Mr. Hrishikesh Rajput on or before 30/11/2023 up to 5:00 pm

Registration fees: Rs 200/-

Module Design

Duration: 30 hours, Session will be carried out for 4 days, 8 hours daily from 10 am to 6 pm.

Day 1: Discover yourself. Session which will make students love themselves and be positive.

Day 2: Eradicate fear –Fear engulfs students making it difficult to unleash their true potential. Build your confidence.

Day 3: Set your goals – We create a mindset for students to set goals and be aligned to that goal from first year.

Day 4: Enhanced employability skill.

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SHASHWAT GYAN

Course for Life

SHASHWATGYAN™
Imagine | Believe | Achieve

Do you want your students to be
DEPENDANT...
or SELF-RELIABLE?

THINK ABOUT THIS!

- Self-reliance is the only road to true freedom, and being one's own person is its ultimate reward.
- Are we encouraging our students to learn to depend upon others by doing things in accordance with the other person's thinking?
- Job opportunities, good salary packages, glorious liberty come through training your mind to be self-reliable remember the self-reliant person is to strong, too honorable, too upright to depend upon others for their support.
- The best things in life must come by effort from within, not by gifts from the outside.
- Studies, research and experts have confirmed that anyone who is SELF-REALIABLE has the potential to become more successful than those who are DEPENDANT.

SHASHWATGYAN believes in making every student SELF-RELIABLE, which also means that every student is liberating themselves from DEPENDANCY

SHASHWATGYAN Training Ethos:

- Build Confidence
- Build Determination
- Nurture Discipline
- Guide in Self-Discovery
- Build an Engaging Mind-Set
- Soft Skills (9 industry oriented)
- Technical trainings with partners.
- Job Opportunities

WE ASSURE THAT ONCE THE STUDENTS GO THROUGH THE ABOVE TRAINING PROGRAM, THEY WILL UNLEASH THEIR REAL POTENTIALS IN MAKING THEIR PARENTS, TEACHERS, SOCIETY AND THE COUNTRY PROUD.

100% JOB ASSURED 100% JOB

Contact details:
9545500788 / 7276700788

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"TRANSFORMATION in the mindsets of young minds"

Schedule

Day 1: Session Objective:

The session aims to empower students to cultivate self-love, embrace positivity, and develop a strong sense of self-worth.

Introduction:

- **Welcome and Icebreaker:** Creating a welcoming atmosphere to build rapport and comfort among participants.

Module 1: Understanding Self-Love

- **Definition and Importance:** Exploring what self-love entails and why it is crucial for personal well-being.
- **Activities:**
  - Self-Reflection Exercise: Guided prompts to encourage participants to introspect and identify their strengths and areas for growth.
  - Sharing Circle: Participants share insights from their reflections in a supportive environment.

Module 2: Embracing Positivity

- **Positive Psychology:** Introducing principles of positive psychology and its impact on mental health and resilience.
- **Activities:**
  - Gratitude Journaling: Guided practice to cultivate gratitude and foster a positive mindset.
  - Positive Affirmations: Creating personalized affirmations to enhance self-esteem and positivity.

Module 3: Building Self-Worth

- **Identifying Strengths:** Helping participants recognize and celebrate their unique talents and strengths.
- **Activities:**
  - Strengths Assessment: Tools and exercises to identify personal strengths and discuss their application in daily life.
  - Goal Setting: Setting realistic goals aligned with personal values and strengths.

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Module 4: Overcoming Self-Limiting Beliefs

- **Challenging Negative Self-Talk:** Strategies to identify and challenge self-limiting beliefs.
- **Activities:**
  - Thought-Record Exercise: Practicing cognitive restructuring techniques to replace negative thoughts with constructive ones.
  - Role-Playing: Simulated scenarios to practice assertiveness and positive self-talk.

Module 5: Cultivating Compassion

- **Self-Compassion Practices:** Introducing techniques to cultivate self-compassion and resilience in the face of challenges.
- **Activities:**
  - Loving-Kindness Meditation: Guided meditation to develop compassion towards oneself and others.
  - Compassionate Letter Writing: Writing a letter of encouragement and support to oneself.

Module 6: Integration and Action Plan

- **Reflection and Commitment:** Participants reflect on their journey and create a personalized action plan.
- **Activities:**
  - Personal Commitment Statement: Writing down actionable steps to continue practicing self-love and positivity.
  - Group Discussion: Sharing insights and supportive feedback to reinforce learning

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Day 2: Session Objective:

To empower students to overcome fear, unleash their true potential, and build confidence in themselves.

Introduction:

- **Welcome and Introduction:** Create a supportive atmosphere to encourage openness and participation.

Module 1: Understanding Fear

- **Definition and Types of Fear:** Explore different types of fear and their impact on personal growth.
- **Activities:**
  - **Fear Identification Exercise:** Reflect on personal fears and their origins.
  - **Group Discussion:** Share insights and common fears in a safe space.

Module 2: Effects of Fear on Potential

- **Impact on Performance:** Discuss how fear limits students' ability to achieve their goals.
- **Activities:**
  - **Case Studies:** Analyze examples of fear hindering success in academic and personal contexts.
  - **Personal Reflection:** Consider personal experiences where fear has held back potential.

Module 3: Strategies to Overcome Fear

- **Recognizing and Addressing Fear:** Techniques to identify and confront fears effectively.
- **Activities:**
  - **Fear Hierarchy Exercise:** Rank fears from least to most challenging to confront.
  - **Visualization:** Guided visualization to imagine overcoming specific fears.

Module 4: Building Confidence

- **Self-Confidence Development:** Methods to enhance self-belief and resilience.
- **Activities:**
  - **Positive Affirmations:** Create and practice personalized affirmations for self-confidence.
  - **Role-Playing:** Simulated scenarios to practice assertiveness and self-assurance.

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Module 5: Practical Steps towards Fearlessness

- **Action Plan:** Develop actionable steps to overcome fears and build lasting confidence.
- **Activities:**
  - **Goal Setting:** Set SMART goals aligned with overcoming specific fears.
  - **Peer Support:** Pairing for accountability and encouragement in fear-facing challenges.

Module 6: Integration and Commitment

- **Reflection and Commitment:** Reflect on insights gained and commit to ongoing personal growth.
- **Activities:**
  - **Personal Commitment Statement:** Write down commitments to overcome fears and build confidence.
  - **Group Sharing:** Share commitments and provide mutual support.

Day 3: Session Objective:

To empower students to set meaningful goals and cultivate a mindset aligned with achieving those goals from their first year onwards.

Introduction:

- **Welcome and Introduction:** Establish a welcoming atmosphere and introduce the importance of goal-setting.

Module 1: Understanding Goal Setting

- **Definition and Importance of Goal Setting:** Explore the significance of setting clear, achievable goals.
- **Activities:**
  - **Goal-Setting Workshop:** Step-by-step guidance on setting SMART (Specific, Measurable, Achievable, Relevant, Time-bound) goals.
  - **Group Discussion:** Share examples of effective goal-setting experiences.

Module 2: Types of Goals

- **Short-Term vs. Long-Term Goals:** Differentiate between short-term and long-term goals and their role in personal growth.
- **Activities:**
  - **Personal Reflection:** Identify personal short-term and long-term goals.
  - **Goal Alignment Exercise:** Align goals with personal values and aspirations.

Module 3: Developing an Action Plan

- **Creating a Roadmap:** Strategies for developing an action plan to achieve set goals.
- **Activities:**
  - **Action Plan Template:** Provide a template for outlining steps towards achieving goals.
  - **Peer Review:** Pairing for feedback and refinement of action plans.

Module 4: Overcoming Challenges

- **Identifying Obstacles:** Discuss common obstacles and strategies to overcome them.
- **Activities:**
  - **Obstacle Analysis:** Analyze potential challenges and develop contingency plans.
  - **Role-Playing:** Simulate scenarios to practice problem-solving and resilience.

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Module 5: Monitoring Progress

- **Tracking and Adjusting Goals:** Techniques for monitoring progress and making necessary adjustments.
- **Activities:**
  - **Progress Tracking Sheet:** Provide tools for tracking milestones and achievements.
  - **Peer Accountability:** Pairing for mutual support and accountability in goal pursuit.

Module 6: Cultivating a Goal-Oriented Mindset

- **Mindset Shift:** Encourage a mindset focused on continuous improvement and resilience.
- **Activities:**
  - **Mindfulness Exercise:** Practice mindfulness techniques to stay focused and motivated.
  - **Visualization:** Guided visualization exercises to envision achieving goals.

Module 7: Integration and Commitment

- **Reflection and Commitment:** Reflect on the session's insights and commit to pursuing goals actively.
- **Activities:**
  - **Personal Commitment Statement:** Write down commitments to goal achievement and personal growth.
  - **Group Sharing:** Share commitments and provide encouragement and support.

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Day 4 : Session Objective:

To equip students with essential skills and competencies that enhance their employability and career readiness.

Introduction:

- **Welcome and Introduction:** Establish the importance of employability skills in today's job market.

Module 1: Communication Skills

- **Effective Communication:** Importance of verbal and written communication skills in professional settings.
- **Activities:**
  - **Role-Playing Exercises:** Practice scenarios for effective communication.
  - **Public Speaking Workshop:** Techniques to improve presentation skills.

Module 2: Teamwork and Collaboration

- **Collaborative Skills:** Strategies for working effectively in teams and diverse environments.
- **Activities:**
  - **Team Building Exercises:** Enhance collaboration and conflict resolution skills.
  - **Case Studies:** Analyze successful team dynamics and challenges.

Module 3: Problem-Solving and Critical Thinking

- **Analytical Skills:** Develop problem-solving abilities and critical thinking skills.
- **Activities:**
  - **Problem-Solving Scenarios:** Practical exercises to apply critical thinking in real-world situations.
  - **Brainstorming Sessions:** Foster innovative thinking and solution-oriented approaches.

Module 4: Leadership and Initiative

- **Leadership Qualities:** Traits of effective leaders and strategies for taking initiative.
- **Activities:**
  - **Leadership Role-Playing:** Simulate leadership scenarios to develop decision-making skills.

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o **Project Management Basics:** Introduction to organizing and leading projects effectively.

Module 5: Adaptability and Resilience

- **Adaptive Skills:** Techniques to navigate change and demonstrate resilience.
- **Activities:**
  o **Change Management Simulation:** Practice adapting to unforeseen challenges.
  o **Mindfulness and Stress Management:** Tools for maintaining composure and productivity.

Module 6: Professionalism and Ethics

- **Professional Conduct:** Ethical principles and professionalism in the workplace.
- **Activities:**
  o **Ethical Dilemma Discussions:** Analyze ethical scenarios and decision-making processes.
  o **Business Etiquette:** Guidelines for professional behavior and workplace etiquette.

Module 7: Career Planning and Development

- **Career Readiness:** Tools and resources for career exploration and development.
- **Activities:**
  o **Resume Writing Workshop:** Craft effective resumes and cover letters.
  o **Mock Interviews:** Practice interview skills and receive constructive feedback.

Module 8: Networking and Personal Branding

- **Networking Skills:** Strategies for building professional relationships and networking effectively.
- **Activities:**
  o **Networking Events:** Attend networking sessions and practice introductory conversations.
  o **Online Presence Audit:** Enhance online profiles and personal branding on professional platforms.

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Module 9: Integration and Application

- **Integration and Reflection:** Reflect on acquired skills and develop a personalized action plan.
- **Activities:**
  - **Action Plan Development:** Outline steps for ongoing skill development and career advancement.
  - **Peer Feedback:** Share action plans and provide supportive feedback to peers.

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Date: - 10/11/2023

NOTICE

Academic Year: 2023-24

It is hereby informed to all the students of B. Pharm First Year that we are going to conduct an Add on course on **"Inculcating Interview Skills and Personality Development"** which will be held on 18/11/2023, 25/11/2023, 02/12/2023 and 09/12/2023. Interested Candidates should register to Ms. Minal Chaudhari before 15/11/2023 upto 5:00 pm.

Course Content

Day 1: Introduction to Interview Skills & Personality Development, Effective Communication Skills, Professional Etiquette & Body Language, Interpersonal Skills & Teamwork

Day 2: SWOT analysis, Interview Preparation and Techniques, Handling Interview Challenges

Day 3: Resume writing, Practical sessions / demonstrations

Day 4: Practical sessions/ demonstrations

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Course Module

Add on Course

On

Inculcating Interview Skills and Personality Development

Shreeyash Pratishthan's

Shreeyash Institute of Pharmaceutical Education and Research,

Shreeyash Campus, Gut No 258 (P), Satara Parisar, Near SRPF Camp, Beed by Pass Road,

Aurangabad - 431010 (M.S.)

Website: www.syppharmacy.org, Email: shreeyashiper@gmail.com

Principal & Convenor: **Dr. Ganesh G. Tapadiya**

Course Coordinator: **Ms. Minal Y. Chaudhari**

Course Expert: **Mr. Anil Palve**

Assistant Professor and In-charge, Industry Institute Interaction cell

Mobile: 09823853844, Email: minal.chaudhari@syppharmacy.org

PREFACE

Scope and Significance:

Mastering interview skills is vital for achieving success in various professional endeavours. Whether securing employment, gaining admission to educational institutions, or advancing within a career, effective interview skills play a crucial role. They enable individuals to make favourable first impressions, articulate ideas clearly, and showcase their problem-solving abilities and adaptability. Moreover, honing interview skills cultivates confidence and professionalism, essential traits that help candidates stand out in competitive environments. By mastering these skills, individuals not only increase their chances of securing desired opportunities but also enhance their overall career trajectory.

Simultaneously, investing in personality development is equally essential for personal and professional growth. Developing self-awareness, confidence, and strong interpersonal skills enhances one's ability to build meaningful relationships, collaborate effectively, and navigate challenges with resilience. Personality development also fosters traits such as emotional intelligence and leadership qualities, which are critical for success in leadership roles and for making a positive impact within teams and organizations. Ultimately, by focusing on both interview skills and personality development, individuals can unlock their full potential, achieve career aspirations, and lead fulfilling lives characterized by continuous growth and professional achievement.

Course Details:

Eligibility for the course: All the Diploma, Graduates and Post Graduate Students.

Course Mode of Conduct:

Blended mode both theory and Practical

Offline (Classroom)

Online platforms

Course Duration:

4 Days - 26th Feb 2022, 5th March 2022, 12th March 2022, 19th March 2022 (30 Hrs of Theory and Practical) without affecting regular academic activities

Medium of Instructions: English

For more details Contact: **Mr Kishan B. Jaiswal,** Asst. Professor, Shreeyash Institute of Pharmaceutical Education & Research, Chh. Sambhajinagar. Mob:- 8830486696

Objectives of Course

1. Enhancing Interview Competence: To prepare participants for job interviews by enhancing skills in preparation, confident question answering, and showcasing qualifications and experience.

2. Improving Communication Skills: To enhance participants' verbal and non-verbal communication skills for clear expression, active listening, and effective professional engagement.

3. Building Self-Confidence: To increase participants' confidence through techniques for managing nervousness, presenting oneself confidently, & handling challenging situations in interviews and the workplace.

4. Developing Professional Etiquette: To instruct participants in workplace etiquette, covering dressing, body language, and manners to cultivate a polished and professional image.

5. Strengthening Interpersonal Skills: To improve participants' relationship-building skills, fostering collaboration and adept navigation of diverse personalities within teams or organizations.

6. Cultivating Positive Attitude: To cultivate a positive mindset for tackling challenges with resilience, adaptability, and a solution-oriented approach.

7. Self-Awareness and Self-Improvement: To prompt participants to reflect on strengths, weaknesses, and growth areas, fostering ongoing self-improvement and personal development.

8. Effective Networking: To teach participants effective networking for building meaningful professional connections and leveraging them for career advancement.

9. Conflict Resolution and Problem-Solving: To teach constructive conflict resolution techniques and foster a logical, creative problem-solving approach.

10. Global and Cultural Sensitivity: To promote cultural awareness and respect for diversity, enabling effective interactions in a globalized workplace.

11. Leadership and Teamwork: To cultivate leadership and teamwork skills for effective project and team collaboration.

12. Overall Professionalism: To install professionalism encompassing integrity, accountability, time management, and ethical behaviour in participants.

Course Content: (Total 30 hrs theory and Practical sessions)

The content of an inculcating interview skills and personality development certificate course will be theory as well as practical training sessions covering following topics.

1: Introduction to Interview Skills and Personality Development: (01)
- Understanding the importance of interview skills and personality development
- Setting personal goals for the course

2: Effective Communication Skills: (03)
- Verbal and non-verbal communication
- Active listening and asking probing questions
- Articulating thoughts clearly and concisely
- Building Self-Confidence

3: Professional Etiquette and Body Language (02)
- Dressing for success and appropriate grooming
- Understanding body language cues and gestures
- Handshakes, eye contact, and posture

4: Interpersonal Skills and Teamwork (02)
- Developing rapport and building relationships
- Collaborating within teams and across departments
- Resolving conflicts and handling difficult conversations
- Positive Attitude and Mindset

5: SWOT analysis (01)
- Identifying strengths, weaknesses, and areas for improvement

6: Interview Preparation and Techniques (03)
- Researching the company and role
- Responding to common interview questions
- Behavioural and situational interview techniques

7: Handling Interview Challenges (02)
- Addressing gaps in employment or qualifications
- Discussing salary expectations and negotiation strategies

- Handling tricky or unexpected interview questions

8: Resume writing (01)

9: Practical sessions/ demonstrations (15)
- Mock Interview
- Group Discussions
- Presentations
- Public Speaking

This course covers essential areas for interview success and overall personality development, aiming to equip participants with skills that enhance their professional presence and maximize career growth potential.

Course Outcome:

A 30-hour course focused on interview skills and personality development is designed to equip you with practical tools and techniques for excelling in job interviews and improving your overall professional demeanor. Here's what you might expect to gain from such a course:

1. Interview Skills

Preparation:

- **Research:** How to research companies and roles effectively.
- **Resume/CV Writing:** Tips for crafting a compelling resume and cover letter.
- **Common Questions:** Understanding and preparing for common interview questions.

Presentation:

- **Answering Techniques:** Techniques for structuring your answers, such as the STAR (Situation, Task, Action, Result) method.
- **Body Language:** How to use positive body language and manage nervous habits.

Practical Skills:

- **Mock Interviews:** Participating in simulated interviews to practice responses and receive feedback.
- **Question Handling:** Strategies for handling difficult or unexpected questions.
- **Follow-Up:** Best practices for post-interview follow-up and thank-you notes.

2. Personality Development

Self-Awareness:

- **Strengths and Weaknesses:** Identifying personal strengths and areas for improvement.
- **Self-Assessment:** Tools and techniques for self-assessment and reflection.

Communication Skills:

- **Effective Communication:** Enhancing verbal and non-verbal communication skills.
- **Listening Skills:** Active listening techniques to improve interactions.

Confidence Building:

- **Public Speaking:** Tips and practice for speaking confidently in front of others.
- **Self-Presentation:** Techniques for presenting yourself confidently in professional settings.

Interpersonal Skills:

- **Networking:** Strategies for effective networking and building professional relationships.
- **Team Dynamics:** Understanding and improving your role in team environments.

Personal Branding:

- **Online Presence:** Managing your online presence, including LinkedIn and other professional networks.

- **Personal Style:** Developing a professional style and image that aligns with your career goals.

Additional Benefits:

- **Professional Growth:** Enhanced ability to handle interviews and professional interactions more effectively.
- **Self-Esteem:** Improved self-confidence and self-presentation skills.
- **Career Advancement:** Better preparation for job searches and career development.

Certification:

Some courses might offer a certificate of completion, which can be a valuable addition to your resume or LinkedIn profile.

Overall, a 30-hour course in interview skills and personality development aims to prepare you for job interviews and professional situations by improving your communication, confidence, and personal presentation.

Date: - 25/07/2023

NOTICE

Academic Year: 2023-24

It is hereby informed to all the students of B. Pharm Third Year that we are going to conduct an Add on course on **"Quality by Design Approach for Formulation Development"** which will be held on 05/08/2023, 12/08/2023, 19/08/2023 and 26/08/2023. Interested Candidates should register to Ms. Minal Chaudhari before 31/07/2023 upto 5:00 pm.

Course Content

Day 1: Introduction to Quality by Design (QbD), Global regulatory perspectives on Quality by Design

Day 2: Design of Experiments (DoE) in pharmaceutical product and process optimization

Day 3: PAT tools for implementation of Quality by Design

Day 4: Quality by Design approach for formulation development: Case Study

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Add on Course in

FORMULATION DEVELOPMENT USING QUALITY BY DESIGN APPROACH

About Course:

This course presents a novel and tested method for developing pharmaceutical products which is currently being implemented globally in the pharmaceutical sector. Pharmaceutical firms may ensure that quality is ingrained in the product by using this unique approach, which is based on the application of product and process understanding supported by a systematic methodology. For scientists employed in the pharmaceutical sector, familiarity with Quality by Design (QbD) is very crucial.

Objectives:
1) To understand the fundamental principles of QbD, current regulatory requirements, DoE, relationship between QbD and PAT tools.

2) To get the practical approach of application of QbD principles in formulation development

Course Contents:

Introduction to Quality by Design (QbD)

Fundamentals of Quality by design, Steps involved in QbD, Keyaspects of QbD, Tools of QbD.

Unit II: 04 hours

Global regulatory perspectives on Quality by Design Regulatory perspectives on QbD, ICH Q8,

Q9 and Q10 guidelines.

Unit III: 08 hours

Design of Experiments (DoE) in pharmaceutical product and process optimization

Fundamentals of experimental designs, Selection of experimental designs, Screening designs, Optimization designs, DoE considerations in QbD.

Unit IV: 06 hours

PAT tools for implementation of Quality by Design

Relationship between QbD and Process Analytical Technology(PAT), In-line, on-line, at-line analysis through PAT. .

Unit V: 8 hours

Quality by Design approach for formulation development: Case Study

Case study of formulation development through QbD paradigm. Identification of QTPP, CQA, Risk assessment, DoE with focus on critical material and process attributes.

Course Outcome:

A 30-hour add-on course on the "Quality by Design" (QbD) approach for formulation development will provide you with a deep understanding of how to integrate quality into the product development process from the very beginning. Here's what you can typically expect to achieve from such a course:

1. Understanding Quality by Design (QbD)

Conceptual Framework:

- **Principles of QbD:** Introduction to the fundamental principles of QbD, including its importance and benefits.
- **Regulatory Guidelines:** Understanding relevant regulatory guidelines and expectations (e.g., FDA, EMA) for QbD in formulation development.

QbD Process:

- **Quality Target Product Profile (QTPP):** How to define and document the desired quality attributes and performance criteria for the product.
- **Critical Quality Attributes (CQAs):** Identifying and characterizing CQAs that impact the safety, efficacy, and quality of the final product.
- **Critical Process Parameters (CPPs):** Determining which process parameters are critical to maintaining CQAs and overall product quality.

2. Implementation of QbD in Formulation Development

Formulation Design:

- **Design Space:** Establishing a design space where formulation and process variables can be optimized to ensure product quality.
- **Risk Assessment:** Tools and techniques for risk assessment and management, such as Failure Mode and Effects Analysis (FMEA) and Risk Priority Number (RPN).

Experimental Design:

- **Design of Experiments (DoE):** Applying DoE methodologies to understand the relationship between formulation variables and CQAs.
- **Data Analysis:** Interpreting experimental data to make informed decisions about formulation adjustments.

Process Optimization:

- **Process Analytical Technology (PAT):** Implementing PAT tools to monitor and control critical aspects of the manufacturing process.
- **Scale-Up:** Strategies for scaling up the formulation process from lab to commercial production while maintaining quality.

3. Documentation and Control

Quality Documentation:

- **QbD Documentation:** Best practices for documenting QbD-related activities, including risk assessments, design space definitions, and control strategies.
- **Regulatory Submissions:** Preparing and presenting QbD-related information in regulatory submissions and interactions.

Continuous Improvement:

- **Feedback Loops:** Establishing feedback loops for continuous monitoring and improvement of the formulation and process.

- **Change Control:** Managing changes to formulations or processes while ensuring that quality is maintained.

4. Practical Application

Case Studies:

- **Real-World Examples:** Analyzing case studies to see how QbD principles have been applied in actual formulation development scenarios.
- **Hands-On Exercises:** Engaging in practical exercises or simulations to apply QbD concepts and tools.

Expert Insights:

- **Guest Speakers:** Opportunities to learn from industry experts and practitioners who can provide insights and answer questions about QbD implementation.

Additional Benefits:

- **Enhanced Skills:** Improved ability to apply QbD principles in formulation development to ensure higher quality and compliance.
- **Regulatory Compliance:** Better understanding of regulatory expectations and how to meet them.
- **Career Advancement:** Increased expertise in a critical area of pharmaceutical and formulation development, potentially leading to career growth opportunities.

Certification:

Some courses may offer a certificate of completion or even preparation for certification in QbD principles, which can be a valuable credential in the field.

Overall, a 30-hour course on the Quality by Design approach for formulation development aims to equip you with the knowledge and skills necessary to integrate quality into every stage of the formulation process, ensuring that products meet the highest standards of safety and efficacy.

Conducted by: Shreeyash Institute of Pharmaceutical Education and Research, Gat No. 258, Satara Parisar, Beed Bypass, Chhatrapati Sambhajnagar - 431136, Maharashtra

Course Coordinator: Dr. Vishal C. Gurumkhi, Associate Professor and Head of QA Department

CONTACT: 8380048820

Phone: 02406608778   Website: www.syppharmacy.org   **Email: hodqa@syppharmacy.org**

Shreeyash Pratishthan's
SHREEYASH INSTITUTE OF PHARMACEUTICAL
EDUCATION & RESEARCH
(D. Pharm, B. Pharm & M. Pharm)

Approved by AICTE, PCI New Delhi, Government of Maharashtra, DTE Mumbai (Institute Code : 2572) and Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere & MSBTE Mumbai.

ISO
9001:201!

Date: 02/08/2023

NOTICE

All the students of B Pharm Final year and M. Pharm are hereby informed that our institute

has organized an Online Seminar on "*Research Methodology*" on 04/08/2023 at 03:30 PM.

All the students have to attend the same.

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Shreeyash Pratishthan's
SHREEYASH INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH
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Photograph:

Shreeyash Pratishthan's
Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad

Guest Lecture Series : 01

Topic: Research Methodolgy

By: Dr. Priti Jain
School of Pharmaceutical Sciences,
DPSRU, Delhi

Time : 3.30pm
Date : 4th Aug. 23

Organized By: **Department of Pharmaceutical Chemistry**
@ https://meet.google.com/nfu-ddwt-bbg
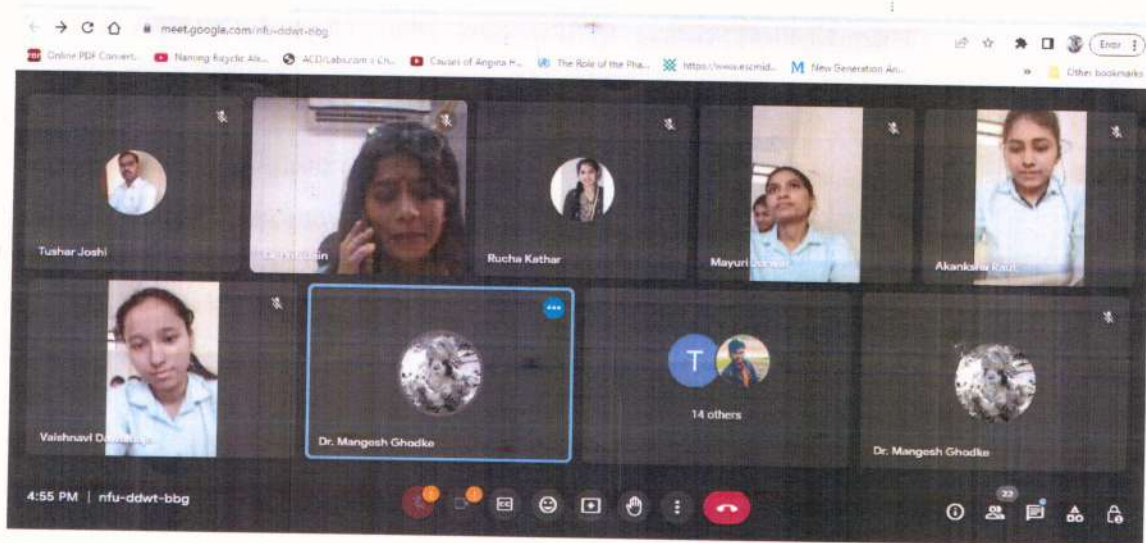
Activity in charge/s

Principal

PRINCIPAL
Shreeyash Institute Of Pharmaceutical
Education And Research, Aurangabad

Date: - 07/03/2023

NOTICE

Academic Year: 2022-23

It is hereby informed to all the students of B. Pharm Final Year that we are going to conduct an Add on course on **"HPLC: A Comprehensive Short Course for Analysts"** which will be held on 19/03/2023, 26/03/2023, 02/04/2023 and 09/04/2023. Interested Candidates should register to Ms. Minal Chaudhari before 15/03/2023 up to 5:00 pm.

Course Content

Day 1: Module I: General Chapters

Day 2: Module II: Method Development and Validation

Day 3: Module III: Practical handling - Hands on HPLC Software, Instrument handling

Day 4: Single component & Multi-component formulation analysis on HPLC, Qualitative drugs analysis and interpretation on HPLC

Dr.Ganesh Tapadiya

PRINCIPAL
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Education And Research, Aurangabad

Add on Course
on
High Performance Liquid Chromatography:
A Comprehensive Short Course for Analysts (30 Hrs.)

Eligibility:

B. Pharm

M. Pharm

Principal & Convener

Dr. Ganesh G. Tapadiya

Coordinator

Ms. Minal Y. Chaudhari

Expert

Dr. Milind D. Kamble
Head, Dept. of Pharmaceutics

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Course Module

HPLC: A Comprehensive Short Course for Analysts

Introduction:
Quality Assurance (QA) and Quality Control (QC) are vital professions ensuring safe healthcare products globally. With rising regulatory demands on pharmaceuticals, skilled QA/QC professionals are essential for ensuring product quality.

Aims and Objectives:
The aim of this short course is to train specialists as effective teachers, analytical experts, and research workers in the field of Analysis. The course offers theoretical depth, hands-on skills, and practical exposure in HPLC for competent and confident Analytical Testing.

Duration of course
Short Course duration is 30 Hours covering Theory and Practical

Eligible Candidate
➢ Students holding Bachelor degree of Sciences, Pharmacy, Technology etc. are eligible for attending this Short Course.
➢ Students pursuing the Master degree of sciences, Pharmacy, Technology etc. are also eligible for attending this Short Course.

Course Structure: Theory
Module I: General Chapters
➢ Basic Principle, Instrumentation, Applications, Advantages and Disadvantages of High Performance Liquid Chromatography (HPLC Waters 2996).

Module II: Method Development and Validation
➢ Introduction to Method Development and validation
➢ Study of parameters in Method development.
➢ Importance in Research and Quality control.
➢ Importance and need of validation in Analysis
➢ Study of Validation parameters according to ICH guidelines

Practicals - Module III
➢ Hands on HPLC Software
➢ Instrument handling
➢ Single component formulation analysis on HPLC
➢ Multi-component formulation analysis on HPLC
➢ Qualitative drugs analysis and interpretation on HPLC
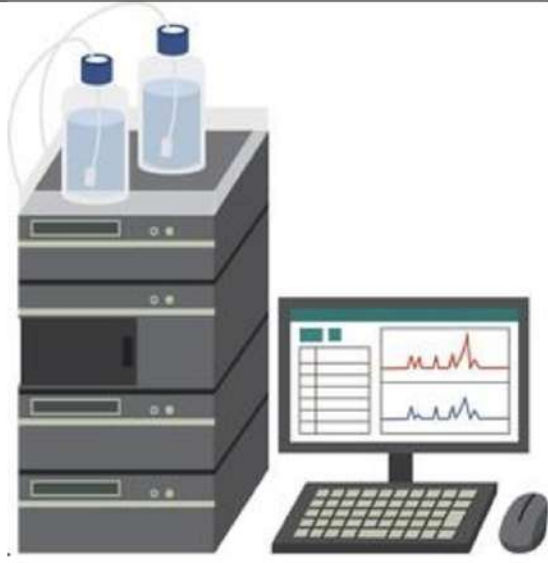➢ Study of Validation parameters

Shreeyash Pratishthan's
Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad

HPLC: A Comprehensive Short Course for Analysts

Organized by:

Shreeyash Institute of Pharmaceutical Education & Research, Aurangabad

Shreeyash Institute of Pharmaceutical Education and Research

Shreeyash Institute of Pharmaceutical Education and Research is a Well-Known Pharmacy Institute located in Aurangabad, Maharashtra, India. It is affiliated to Dr Babasaheb Ambedkar Technological University, Lonere, Raigad. The institute offers Diploma, Undergraduate and Postgraduate Programs in Pharmacy including Diploma in Pharmacy (D.Pharm), Bachelor of Pharmacy (B. Pharm) and Master of Pharmacy (M.Pharm) courses. Shreeyash Institute of Pharmaceutical Education and Research is renowned for its high-quality education, advanced research facilities, and significant contributions to the pharmaceutical sciences.

Outcome of Short Course

✓ Outcome of the Short Course is to train specialist who can be effective teachers and medical experts and research workers in the specialised field of analysis.
✓ Short Course is designed to develop in-depth theoretical knowledge with hands on skills.
✓ Short Course is providing practical exposure to the participants to perform analytical testing using HPLC competently and confidently.
✓ Short Course makes the participant expertise in the method development and validation of single drug and simultaneous estimation of drug and troubleshooting on HPLC.

Eligible candidate :

➢ Students holding bachelor degree of Sciences, Pharmacy technology etc. are eligible for admission to Short Course.
➢ Students persuing the Master degree of science, Pharmacy, Technology etc. are also eligible for admission to Short Course.

Benefits to participants:
Candidates will get expertise in
✓ Product development
✓ Standardization of drugs and food product
✓ Analytical method development
✓ Quality Control
✓ Documentation and Validation

Short Course Duration- 4 Days - 19th March 2023, 26th March 2023, 2nd April 2023, 9th April 2023
(30 Hours) including Theory and Practical

For further details Please Contact

Ms. Minal Y. Chaudhari
Assistant Professor, Shreeyash Institute of Pharmaceutical Education & Research, Aurangabad
Mob. No. 9823853844

Shreeyash Pratishthan's

SHREEYASH INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

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Date: - 10 / 03 / 2023

NOTICE

Academic Year: 2022-23

It is hereby informed to all the students of B. Pharm First Year that we are going to conduct an Add on course on **"Inculcating Interview Skills and Personality Development"** which will be held on 18/03/2023, 25/03/2023, 01/04/2023 and 08/04/2023. Interested Candidates should register to Ms. Minal Chaudhari before 15/03/2023 up to 5:00 pm.

Course Content

Day 1: Introduction to Interview Skills and Personality Development, Effective Communication Skills, Professional Etiquette and Body Language, Interpersonal Skills and Teamwork

Day 2: SWOT analysis, Interview Preparation and Techniques, Handling Interview Challenges

Day 3: Resume writing, Practical sessions/ demonstrations

Day 4: Practical sessions/ demonstrations

Dr.Ganesh Tapadiya

PRINCIPAL
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Education And Research, Aurangabad

Course Module

Add on Course

On

Inculcating Interview Skills and Personality Development

Shreeyash Pratishthan's

Shreeyash Institute of Pharmaceutical Education and Research,

Shreeyash Campus, Gut No 258 (P), Satara Parisar, Near SRPF Camp, Beed by Pass Road, Aurangabad - 431010 (M.S.)

Website: www.syppharmacy.org, Email: shreeyashiper@gmail.com

Principal & Convenor: **Dr. Ganesh G. Tapadiya**

Course Coordinator: **Ms. Minal Y. Chaudhari**

Assistant Professor and In-charge, Industry Institute Interaction cell

Mobile: 09823853844, Email: minal.chaudhari@syppharmacy.org

Course Expert: **Mr. Anil Palve**

Head MBA Department, Training & Placement Officer

PREFACE

Scope and Significance:

Mastering interview skills is vital for achieving success in various professional endeavours. Whether securing employment, gaining admission to educational institutions, or advancing within a career, effective interview skills play a crucial role. They enable individuals to make favourable first impressions, articulate ideas clearly, and showcase their problem-solving abilities and adaptability. Moreover, honing interview skills cultivates confidence and professionalism, essential traits that help candidates stand out in competitive environments. By mastering these skills, individuals not only increase their chances of securing desired opportunities but also enhance their overall career trajectory.

Simultaneously, investing in personality development is equally essential for personal and professional growth. Developing self-awareness, confidence, and strong interpersonal skills enhances one's ability to build meaningful relationships, collaborate effectively, and navigate challenges with resilience. Personality development also fosters traits such as emotional intelligence and leadership qualities, which are critical for success in leadership roles and for making a positive impact within teams and organizations. Ultimately, by focusing on both interview skills and personality development, individuals can unlock their full potential, achieve career aspirations, and lead fulfilling lives characterized by continuous growth and professional achievement.

Course Details:

Eligibility for the course: All the Diploma, Graduates and Post Graduate Students.

Course Mode of Conduct:

Blended mode both theory and Practical

Offline (Classroom)

Online platforms

Course Duration:

4 Days - 26th Feb 2022, 5th March 2022, 12th March 2022, 19th March 2022 (30 Hrs of Theory and Practical) without affecting regular academic activities

Medium of Instructions: English

For more details Contact: **Mr Kishan B. Jaiswal,** Asst. Professor, Shreeyash Institute of Pharmaceutical Education & Research, Chh. Sambhajinagar. Mob:- 8830486696

Objectives of Course

1. Enhancing Interview Competence: To prepare participants for job interviews by enhancing skills in preparation, confident question answering, and showcasing qualifications and experience.

2. Improving Communication Skills: To enhance participants' verbal and non-verbal communication skills for clear expression, active listening, and effective professional engagement.

3. Building Self-Confidence: To increase participants' confidence through techniques for managing nervousness, presenting oneself confidently, & handling challenging situations in interviews and the workplace.

4. Developing Professional Etiquette: To instruct participants in workplace etiquette, covering dressing, body language, and manners to cultivate a polished and professional image.

5. Strengthening Interpersonal Skills: To improve participants' relationship-building skills, fostering collaboration and adept navigation of diverse personalities within teams or organizations.

6. Cultivating Positive Attitude: To cultivate a positive mindset for tackling challenges with resilience, adaptability, and a solution-oriented approach.

7. Self-Awareness and Self-Improvement: To prompt participants to reflect on strengths, weaknesses, and growth areas, fostering ongoing self-improvement and personal development.

8. Effective Networking: To teach participants effective networking for building meaningful professional connections and leveraging them for career advancement.

9. Conflict Resolution and Problem-Solving: To teach constructive conflict resolution techniques and foster a logical, creative problem-solving approach.

10. Global and Cultural Sensitivity: To promote cultural awareness and respect for diversity, enabling effective interactions in a globalized workplace.

11. Leadership and Teamwork: To cultivate leadership and teamwork skills for effective project and team collaboration.

12. Overall Professionalism: To install professionalism encompassing integrity, accountability, time management, and ethical behaviour in participants.

Course Content: (Total 30 hrs theory and Practical sessions)

The content of an inculcating interview skills and personality development certificate course will be theory as well as practical training sessions covering following topics.

1: Introduction to Interview Skills and Personality Development: (01)
- Understanding the importance of interview skills and personality development
- Setting personal goals for the course

2: Effective Communication Skills: (03)
- Verbal and non-verbal communication
- Active listening and asking probing questions
- Articulating thoughts clearly and concisely
- Building Self-Confidence

3: Professional Etiquette and Body Language (02)
- Dressing for success and appropriate grooming
- Understanding body language cues and gestures
- Handshakes, eye contact, and posture

4: Interpersonal Skills and Teamwork (02)
- Developing rapport and building relationships
- Collaborating within teams and across departments
- Resolving conflicts and handling difficult conversations
- Positive Attitude and Mindset

5: SWOT analysis (01)
- Identifying strengths, weaknesses, and areas for improvement

6: Interview Preparation and Techniques (03)
- Researching the company and role
- Responding to common interview questions
- Behavioural and situational interview techniques

7: Handling Interview Challenges (02)
- Addressing gaps in employment or qualifications
- Discussing salary expectations and negotiation strategies
- Handling tricky or unexpected interview questions

8: Resume writing (01)

9: Practical sessions/ demonstrations (15)
- Mock Interview
- Group Discussions
- Presentations
- Public Speaking

This course covers essential areas for interview success and overall personality development, aiming to equip participants with skills that enhance their professional presence and maximize career growth potential.

Course Outcome:

A 30-hour course focused on interview skills and personality development is designed to equip you with practical tools and techniques for excelling in job interviews and improving your overall professional demeanor. Here's what you might expect to gain from such a course:

1. Interview Skills

Preparation:

- **Research:** How to research companies and roles effectively.
- **Resume/CV Writing:** Tips for crafting a compelling resume and cover letter.
- **Common Questions:** Understanding and preparing for common interview questions.

Presentation:

- **Answering Techniques:** Techniques for structuring your answers, such as the STAR (Situation, Task, Action, Result) method.
- **Body Language:** How to use positive body language and manage nervous habits.

Practical Skills:

- **Mock Interviews:** Participating in simulated interviews to practice responses and receive feedback.
- **Question Handling:** Strategies for handling difficult or unexpected questions.
- **Follow-Up:** Best practices for post-interview follow-up and thank-you notes.

2. Personality Development

Self-Awareness:

- **Strengths and Weaknesses:** Identifying personal strengths and areas for improvement.
- **Self-Assessment:** Tools and techniques for self-assessment and reflection.

Communication Skills:

- **Effective Communication:** Enhancing verbal and non-verbal communication skills.
- **Listening Skills:** Active listening techniques to improve interactions.

Confidence Building:

- **Public Speaking:** Tips and practice for speaking confidently in front of others.
- **Self-Presentation:** Techniques for presenting yourself confidently in professional settings.

Interpersonal Skills:

- **Networking:** Strategies for effective networking and building professional relationships.
- **Team Dynamics:** Understanding and improving your role in team environments.

Personal Branding:

- **Online Presence:** Managing your online presence, including LinkedIn and other professional networks.

- **Personal Style:** Developing a professional style and image that aligns with your career goals.

Additional Benefits:

- **Professional Growth:** Enhanced ability to handle interviews and professional interactions more effectively.
- **Self-Esteem:** Improved self-confidence and self-presentation skills.
- **Career Advancement:** Better preparation for job searches and career development.

Certification:

Some courses might offer a certificate of completion, which can be a valuable addition to your resume or LinkedIn profile.

Overall, a 30-hour course in interview skills and personality development aims to prepare you for job interviews and professional situations by improving your communication, confidence, and personal presentation.

Shreeyash Pratishthan's

SHREEYASH INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

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Board of Technical Education (MSBTE), **(MSBTE Code- 1838)** Mumbai

Date: - 10/11/2022

NOTICE

Academic Year: 2022-23

It is hereby informed to all the students of B. Pharm Second Year that we are going to conduct an Add on course on **"Computer Skills"** which will be held on 19/11/2022, 26/11/2022, 03/12/2022 and 10/12/2022. Interested Candidates should register to Ms. Minal Chaudhari before 15/11/2022 up to 5:00 pm.

Course Content

Day 1: Microsoft word, Microsoft Outlook

Day 2: Microsoft Power Point, Microsoft Project

Day 3: Microsoft Excel

Day 4: Microsoft access

Dr.Ganesh Tapadiya

PRINCIPAL
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Education And Research, Aurangabad

Course Module

Add on Course

On

COMPUTER SKILLS

Shreeyash Pratishthan's
Shreeyash Institute of Pharmaceutical Education and Research,

Shreeyash Campus, Gut No 258 (P), Satara Parisar, Near SRPF Camp, Beed By Pass Road,

Aurangabad - 431010 (M.S.)

Website: www.syppharmacy.org, Email: shreeyashiper@gmail.com

Course Coordinator: Ms. Minal Chaudhari,

Assistant Professor and In-charge, Industry Institute Interaction cell

Mobile: 09823853844, Email: minal.chaudhari@syppharmacy.org

About the SYIPER

Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad, is a prestigious institution dedicated to Pharmaceutical Education and Research. Established in 2017, the institute has evolved into a centre of excellence, offering undergraduate and postgraduate programs in pharmaceutical sciences. The institute is approved by the Pharmacy Council of India (PCI) and affiliated with the Maharashtra State Board of Technical Education (MSBTE).

The institute is committed to providing high-quality education, research, and training in pharmaceutical sciences. Its state-of-the-art infrastructure, advanced laboratories, and experienced faculty create an ideal learning environment for students. Research is a significant focus area, with emphasis on drug development, pharmacology, and pharmaceutical technology. The institute has established collaborations with industry and academic partners, providing students with opportunities for internships, projects, and placements. Shreeyash Institute of Pharmaceutical Education and Research aims to produce competent pharmacists, researchers, and industry professionals who can contribute to the healthcare sector and society.

PREFACE

Scope and Significance:

Computer skills are increasingly crucial in the field of pharmacy due to their significant impact on various aspects of pharmaceutical practice and research. Here's why mastering these skills is essential:

1. **Data Management:** Pharmacists frequently deal with large datasets related to patient records, drug interactions, and clinical trials. Proficiency in computer skills enables efficient data entry, management, and analysis, ensuring accuracy and compliance with regulatory requirements.

2. **Research and Analysis:** Pharmacy students equipped with computer skills can conduct literature reviews, analyze research data, and interpret findings using specialized software and databases. This enhances their ability to contribute to evidence-based practice and drug development.

3. **Communication and Documentation:** Effective communication within healthcare teams and with patients relies on using electronic health records (EHR) and other digital communication tools. A computer skills course teaches students how to navigate these systems securely and professionally.

4. **Pharmacy Management Systems:** Knowledge of computer systems is essential for using pharmacy management software to track inventory, process prescriptions, and manage patient information efficiently. This improves operational efficiency and patient care.

5. **Professional Development:** Learning computer skills prepares pharmacy students for evolving technologies in the healthcare sector. It equips them with the adaptability needed to stay current with industry advancements and regulatory changes.

In conclusion, integrating a computer skills course into the pharmacy curriculum enhances students' ability to thrive in modern pharmaceutical practice. It equips them with the tools needed to succeed in data-driven research, patient care, and pharmacy management, thereby shaping competent and future-ready pharmacists.

Objectives of the Course:

1. **Skill Development:** Equip students with essential computer skills required in pharmaceutical practice, research, and management.

2. **Data Management Proficiency:** Enable students to efficiently manage and analyze pharmaceutical data using appropriate software and tools.

3. **Research Enhancement:** Enhance students' ability to conduct literature reviews, analyze research data, and apply findings to pharmaceutical sciences.

4. **Communication and Documentation:** Teach students effective use of electronic health records (EHR) and digital communication tools for professional communication and documentation.

5. **Pharmacy Management Systems:** Familiarize students with pharmacy management software for inventory tracking, prescription processing, and patient management.

6. **Adaptability and Professionalism:** Prepare students to adapt to evolving technologies in healthcare and pharmaceutical industries while maintaining professionalism and compliance with regulatory standards.

7. **Career Readiness:** Enhance students' employability by equipping them with practical computer skills relevant to pharmaceutical practice and research.

8. **Integration of Theory and Practice:** Provide hands-on training and practical exposure to reinforce theoretical knowledge and develop confidence in using computer applications in pharmacy.

These objectives aim to ensure that pharmacy students gain comprehensive computer skills essential for their professional development and success in the pharmaceutical field.

Course Content: (Total 30 hrs theory and Practical sessions)

The content of Computer Skills certificate course will be theory as well as practical training sessions covering following topics.

Microsoft word - 6 hours

Introduction to Microsoft word, document views, entering and editing text, saving and opening documents, navigating and selecting text, editing, copying and moving text, formatting documents, using bullet and number lists, using tabs, introduction to tables, inserting pictures, page layout and printing

Microsoft PowerPoint - 6 hours

Introduction to Microsoft PowerPoint, creating a presentation, entering and editing text, managing text, text boxes and tables, pictures and drawings, smart art and charts, presentation designs and formatting, printing PowerPoint presentations, simple animations, running slide shows

Microsoft Excel - 6 hours

Introduction to Microsoft Excel, entering and amending data, saving and opening work books, navigating and selecting ranges, entering formulas, inserting/deleting rows and columns, formatting worksheets, using simple functions, copying, moving and autofill, relative vs absolute references, previewing and printing

Microsoft access - 6 hours

Overview of relational databases, introduction to Microsoft access, creating a database, creating tables and modifying table design, working with tables select queries, creating and using forms, creating and using reports, database management

Microsoft Outlook 3 hours

Customise messages settings, organise and locate Outlook messages, set calendar options, track activities using the journal, assign and track tasks, share folder information, customise the outlook environment.

Microsoft Project - 3 hours

Fundamentals of project management, introduction to MS project, task relationships and constraints, resources and calendars, assigning resources to task, managing costs, analysing and tuning schedules, reporting and tracking progress, customising Microsoft project, consoliding multiple projects

Syllabus design and developed by:

Mr. Kishan B. Jaiswal

Course Outcome :

A 30-hour Microsoft Office course can provide you with a comprehensive understanding of various Office applications, depending on the specific focus of the course. Here's a general outline of what you might expect to achieve from such a course:

1. Microsoft Word

- **Basic Skills:** Creating, formatting, and editing documents; using styles and themes.
- **Intermediate Skills:** Advanced formatting, creating tables, using templates, and incorporating graphics.
- **Advanced Skills:** Mail merge, creating and managing long documents, and using advanced features like track changes and comments.

2. Microsoft Excel

- **Basic Skills:** Navigating the interface, creating and formatting spreadsheets, basic formulas and functions.
- **Intermediate Skills:** Using intermediate functions (e.g., VLOOKUP, HLOOKUP, and IF statements), creating charts and graphs, and data management techniques.
- **Advanced Skills:** Advanced formulas and functions, pivot tables, data analysis tools, and automating tasks with macros.

3. Microsoft PowerPoint

- **Basic Skills:** Creating and formatting presentations, using templates and themes.
- **Intermediate Skills:** Incorporating multimedia elements, designing slide layouts, and using transitions and animations.
- **Advanced Skills:** Creating custom templates, advanced animation techniques, and preparing presentations for different devices and formats.

4. Microsoft Outlook

- **Basic Skills:** Managing emails, calendar events, and contacts.
- **Intermediate Skills:** Using advanced email features (e.g., rules, filters), scheduling meetings, and managing tasks.
- **Advanced Skills:** Integrating Outlook with other Office applications, using advanced search and organizational tools.

5. Microsoft Access (if included)

- **Basic Skills:** Creating and managing databases, using tables, forms, queries, and reports.
- **Intermediate Skills:** Advanced querying techniques, database relationships, and data validation.
- **Advanced Skills:** Designing complex database structures, automating tasks with macros, and using VBA (Visual Basic for Applications) for custom solutions.

Additional Benefits:

- **Improved Efficiency:** Learn shortcuts and tips to speed up your workflow.
- **Professional Competency:** Enhanced ability to create professional documents, reports, and presentations.
- **Problem-Solving Skills:** Ability to handle complex tasks and troubleshoot common issues in Microsoft Office applications.

Certification:

Depending on the course, you might receive a certificate of completion or even prepare for Microsoft Office Specialist (MOS) certification exams.

Overall, a 30-hour course should give you a strong foundation in Microsoft Office applications and help you apply these skills effectively in a professional setting.

Course Details:

Eligibility for the course: All the Diploma, Graduates and Post Graduate Students.

Course Mode of Conduct:

Blended mode both theory and Practical

Offline (Classroom)

Online platforms

Course Duration:

4 Days (30 contact hrs of theory and Practical) without affecting regular academic activities

Medium of Instructions: English

Experts and trainers from training institutes and professional organizations will conduct the sessions.

For more details Contact:
Mr. Kishan B. Jaiswal,
Assistant Professor,
Shreeyash Institute of Pharm. Edu. & Res.,
Chh. Sambhajnagar
Mob. 8830486696

Date: 09.11.2022

NOTICE

All the students and teaching staff are hereby informed that our institute has organized a One Day Workshop on *"Diamond in Me.....A student development program"* on Saturday 12th November, 2022 from 10:30 am to 04:30 pm.

So, all the students and staff members are requested to attend the same.

PRINCIPAL
Shreeyash Institute Of Pharmaceutical
Education And Research, Aurangabad

Copy to: 1. Notice Board

Shreeyash Institute of Pharmaceutical Education and Research

Organizes

One Day Workshop
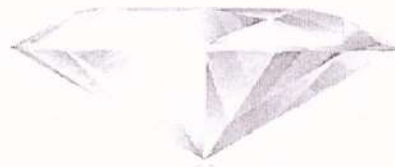
DIAMOND IN ME
(Student Development Program)

SIR NAGESH JONDHALE
IE CENTRE
Amazon # 1 Best Selling Author
Multiple World Record Holder
Leadership Trainer
Success Expert

Success Is.......

When **Two** of You Fall In **Love**
"You" and "Your Work"
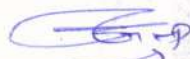
PRINCIPAL
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Education And Research, Aurangabad

Schedule

Time	Session
10:30 am - 11:00 am	Inaugural Function
11:00 am -1:00 pm	1st session Diamond in me
1:0 pm– 1:30 pm	Lunch Time
1:30 pm - 3:00pm	2nd session Dynamic Communication Skill
3:00 pm – 4:00 pm	Q & A session
4:00 pm – 4:30 pm	Vote of Thanks

CONVENOR
Dr. Ganesh G. Tapadiya
(Principal)

Co-Convenor
Dr. Milind D. Kamble
(HOD)

Coordinator
Mr. Uday U. Dunakhe
(HOD)

Ms. Priti B. Undre
(Asst. Professor)
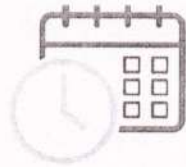
12th November,2022
at 10:30 am to 4:30pm

Venue : Seminar Hall

Gut no. 258(P), Satara Parisar, Beed Bypass Road, Tal. & Dist Aurangabad.
Website: syppharmacy.org | Email: shreeyashiper@gmail.com

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Shreeyash Pratishthan's
SHREEYASH INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH
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Date: 11.10.2022

NOTICE

All the students of B. Pharm 3rd Year and Final Year are hereby informed that our institute has organized a Seminar on *"Pharmaceutical Industry: Departments, Roles and Responsibilities"* on Friday 14th October, 2022 at 2:00-5:00 pm.

So, all the students should attend the same.

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Website: syppharmacy.org | Email: shreeyashiper@gmail.com

ISO 9001:2015

Seminar On

Pharmaceutical Industry: Departments Roles and Responsibilities

14th October, 2022
at 2:30 pm

Eminent Speaker

Mr. Abhijit Korde
IPQA Officer

Ajanta Pharma Ltd.

Convener
Dr. Ganesh G. Tapadiya
(Principal)

Co-convener
Mr. Sachin A. Dhawale

Co-ordinator
Ms. Priti B. Undre

Date:05.08.2022

NOTICE

All the students of B Pharm 3rd Year and Final Year are hereby informed that our institute has organized a seminar on *"Trends and Advances in Nanotechnology and Pharmaceutical Sciences"*, 07.08.2022 from 02:00 pm to 05:00 pm.

So, all the students should attend the seminar.

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Date: - 04 / 05 / 2022

NOTICE

Academic Year: 2022-23

It is hereby informed to all the students of B. Pharm Third Year that we are going to conduct an Add on course on **"Quality by Design Approach for Formulation Development"** which will be held on 14/05/2022, 21/05/2022, 28/05/2022 and 04/06/2022. Interested Candidates should register to Ms. Minal Chaudhari before 11/05/2022 up to 5:00 pm.

Course Content

Day 1: Introduction to Quality by Design (QbD), Global regulatory perspectives on Quality by Design

Day 2: Design of Experiments (DoE) in pharmaceutical product and process optimization

Day 3: PAT tools for implementation of Quality by Design

Day 4: Quality by Design approach for formulation development: Case Study

Dr.Ganesh Tapadiya

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Education And Research, Aurangabad

Add on Course in

FORMULATION DEVELOPMENT USING QUALITY BY DESIGN APPROACH

About Course:

This course presents a novel and tested method for developing pharmaceutical products which is currently being implemented globally in the pharmaceutical sector. Pharmaceutical firms may ensure that quality is ingrained in the product by using this unique approach, which is based on the application of product and process understanding supported by a systematic methodology. For scientists employed in the pharmaceutical sector, familiarity with Quality by Design (QbD) is very crucial.

Objectives:

1) To understand the fundamental principles of QbD, current regulatory requirements, DoE, relationship between QbD and PAT tools.

2) To get the practical approach of application of QbD principles in formulation development

Course Contents:

Introduction to Quality by Design (QbD)

Fundamentals of Quality by design, Steps involved in QbD, Keyaspects of QbD, Tools of QbD.

Unit II: 04 hours

Global regulatory perspectives on Quality by Design Regulatory perspectives on QbD, ICH Q8,

Q9 and Q10 guidelines.

Unit III: 08 hours

Design of Experiments (DoE) in pharmaceutical product andprocess optimization

Fundamentals of experimental designs, Selection of experimental designs, Screening designs, Optimization designs, DoE considerationsin QbD.

Unit IV: 06 hours

PAT tools for implementation of Quality by Design

Relationship between QbD and Process Analytical Technology(PAT), In-line, on-line, at-line analysis through PAT. .

Unit V: 8 hours

Quality by Design approach for formulation development: Case Study

Case study of formulation development through QbD paradigm. Identification of QTPP, CQA, Risk assessment, DoE with focus on critical material and process attributes.

Course Outcome:

A 30-hour add-on course on the "Quality by Design" (QbD) approach for formulation development will provide you with a deep understanding of how to integrate quality into the product development process from the very beginning. Here's what you can typically expect to achieve from such a course:

1. Understanding Quality by Design (QbD)

Conceptual Framework:

- **Principles of QbD:** Introduction to the fundamental principles of QbD, including its importance and benefits.
- **Regulatory Guidelines:** Understanding relevant regulatory guidelines and expectations (e.g., FDA, EMA) for QbD in formulation development.

QbD Process:

- **Quality Target Product Profile (QTPP):** How to define and document the desired quality attributes and performance criteria for the product.
- **Critical Quality Attributes (CQAs):** Identifying and characterizing CQAs that impact the safety, efficacy, and quality of the final product.
- **Critical Process Parameters (CPPs):** Determining which process parameters are critical to maintaining CQAs and overall product quality.

2. Implementation of QbD in Formulation Development

Formulation Design:

- **Design Space:** Establishing a design space where formulation and process variables can be optimized to ensure product quality.
- **Risk Assessment:** Tools and techniques for risk assessment and management, such as Failure Mode and Effects Analysis (FMEA) and Risk Priority Number (RPN).

Experimental Design:

- **Design of Experiments (DoE):** Applying DoE methodologies to understand the relationship between formulation variables and CQAs.
- **Data Analysis:** Interpreting experimental data to make informed decisions about formulation adjustments.

Process Optimization:

- **Process Analytical Technology (PAT):** Implementing PAT tools to monitor and control critical aspects of the manufacturing process.
- **Scale-Up:** Strategies for scaling up the formulation process from lab to commercial production while maintaining quality.

3. Documentation and Control

Quality Documentation:

- **QbD Documentation:** Best practices for documenting QbD-related activities, including risk assessments, design space definitions, and control strategies.
- **Regulatory Submissions:** Preparing and presenting QbD-related information in regulatory submissions and interactions.

Continuous Improvement:

- **Feedback Loops:** Establishing feedback loops for continuous monitoring and improvement of the formulation and process.

- **Change Control:** Managing changes to formulations or processes while ensuring that quality is maintained.

4. Practical Application

Case Studies:

- **Real-World Examples:** Analyzing case studies to see how QbD principles have been applied in actual formulation development scenarios.
- **Hands-On Exercises:** Engaging in practical exercises or simulations to apply QbD concepts and tools.

Expert Insights:

- **Guest Speakers:** Opportunities to learn from industry experts and practitioners who can provide insights and answer questions about QbD implementation.

Additional Benefits:

- **Enhanced Skills:** Improved ability to apply QbD principles in formulation development to ensure higher quality and compliance.
- **Regulatory Compliance:** Better understanding of regulatory expectations and how to meet them.
- **Career Advancement:** Increased expertise in a critical area of pharmaceutical and formulation development, potentially leading to career growth opportunities.

Certification:

Some courses may offer a certificate of completion or even preparation for certification in QbD principles, which can be a valuable credential in the field.

Overall, a 30-hour course on the Quality by Design approach for formulation development aims to equip you with the knowledge and skills necessary to integrate quality into every stage of the formulation process, ensuring that products meet the highest standards of safety and efficacy.

Conducted by: Shreeyash Institute of Pharmaceutical Education and Research, Gat No. 258, Satara Parisar, Beed Bypass, Chhatrapati Sambhajnagar - 431136, Maharashtra

Course Coordinator: Ms. Minal Chaudhari , Assistant Professor, Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad

CONTACT: 9823853844

Phone: 02406608778   **Website:** www.syppharmacy.org   **Email:** minal.chaudhari@syppharmacy.org

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Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere & MSBTE Mumbai.

Date: 18.04.2022

NOTICE

All the students of B. Pharm 2nd, 3rd and final Year and teaching staff are hereby informed that our

institute has organized a Seminar on *"Adverse Drug Reaction"* on Thursday 21st April 2022 from

11:00 am to 01.00 pm.

So, all the students and staff members are requested to attend the seminar.

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Date: - 25 / 03 / 2022

NOTICE

Academic Year: 2021-22

It is hereby informed to all the students of B. Pharm Final Year that we are going to conduct an Add on course on **"HPLC: A Comprehensive Short Course for Analysts"** which will be held on 02/04/2022, 09/04/2022, 16/04/2022 and 23/04/2022. Interested Candidates should register to Ms. Minal Chaudhari before 28/03/2022 up to 5:00 pm.

Course Content

Day 1: Module I: General Chapters

Day 2: Module II: Method Development and Validation

Day 3: Module III: Practical handling - Hands on HPLC Software, Instrument handling

Day 4: Single component & Multi-component formulation analysis on HPLC, Qualitative drugs analysis and interpretation on HPLC

Dr.Ganesh Tapadiya

PRINCIPAL
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Add on Course
on
High Performance Liquid Chromatography:
A Comprehensive Short Course for Analysts (30 Hrs.)

Eligibility:

B. Pharm

M. Pharm

Principal & Convener

Dr. Ganesh G. Tapadiya

Coordinator

Dr. Milind D. Kamble
Head, Dept. of Pharmaceutics

Expert

Mr. Hrishikesh Rajput,
Topic Expert, Destination Pharmagens, Aurangabad

Course Module

HPLC: A Comprehensive Short Course for Analysts

Introduction:
Quality Assurance (QA) and Quality Control (QC) are vital professions ensuring safe healthcare products globally. With rising regulatory demands on pharmaceuticals, skilled QA/QC professionals are essential for ensuring product quality.

Aims and Objectives:
The aim of this short course is to train specialists as effective teachers, analytical experts, and research workers in the field of Analysis. The course offers theoretical depth, hands-on skills, and practical exposure in HPLC for competent and confident Analytical Testing.

Duration of course
Short Course duration is 30 Hours covering Theory and Practical

Eligible Candidate
➢ Students holding Bachelor degree of Sciences, Pharmacy, Technology etc. are eligible for attending This Short Course.
➢ Students pursuing the Master degree of sciences, Pharmacy, Technology etc. are also eligible for attending this Short Course.

Course Structure: Theory

Module I: General Chapters
➢ Basic Principle, Instrumentation, Applications, Advantages and Disadvantages of High Performance Liquid Chromatography (HPLC Waters 2996).

Module II: Method Development and Validation
➢ Introduction to Method Development and validation
➢ Study of parameters in Method development.
➢ Importance in Research and Quality control.
➢ Importance and need of validation in Analysis
➢ Study of Validation parameters according to ICH guidelines

Practicals - Module III
➢ Hands on HPLC Software
➢ Instrument handling
➢ Single component formulation analysis on HPLC
➢ Multi-component formulation analysis on HPLC
➢ Qualitative drugs analysis and interpretation on HPLC
➢ Study of Validation parameters

Shreeyash Pratishthan's
Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad

HPLC: A Comprehensive Short Course for Analysts

Organized by:

Shreeyash Institute of Pharmaceutical Education & Research, Aurangabad

Shreeyash Institute of Pharmaceutical Education and Research

Shreeyash Institute of Pharmaceutical Education and Research is a Well-Known Pharmacy Institute located in Aurangabad, Maharashtra, India. It is affiliated to Dr Babasaheb Ambedkar Technological University, Lonere, Raigad. The institute offers Diploma, Undergraduate and Postgraduate Programs in Pharmacy including Diploma in Pharmacy (D.Pharm), Bachelor of Pharmacy (B. Pharm) and Master of Pharmacy (M.Pharm) courses. Shreeyash Institute of Pharmaceutical Education and Research is renowned for its high-quality education, advanced research facilities, and significant contributions to the pharmaceutical sciences.

OUTCOME OF Short Course

✓ Outcome of the Short Course is to train specialist who can be effective teachers and medical experts and research workers in the specialised field of analysis.

✓ Short Course is designed to develop in-depth theoretical knowledge with hands on skills.

✓ Short Course is providing practical exposure to the participants to perform analytical testing using HPLC competently and confidently.

✓ Short Course makes the participant expertise in the method development and validation of single drug and simultaneous estimation of drug and troubleshooting on HPLC.

Eligible candidate :	Benefits to participants:
➢ Students holding bachelor degree of Sciences, Pharmacy technology etc. are eligible for admission to Short Course. ➢ Students persuing the Master degree of science, Pharmacy, Technology etc. are also eligible for admission to Short Course.	Candidates will get expertise in ✓ Product development ✓ Standardization of drugs and food product ✓ Analytical method development ✓ Quality Control ✓ Documentation and Validation

Short Course Duration– 4 Days – 2nd April 2022, 9th April 2022, 16th April 2022, 23rd April 2022 (30 Hours) including Theory and Practical

For further details Please Contact

Dr. Mlind Kamble
Associate Professor and Head of Department of Pharmaceutics

Date: - 15 / 02 / 2022

NOTICE

Academic Year: 2021-22

It is hereby informed to all the students of B. Pharm First Year that we are going to conduct an Add on course on **"Inculcating Interview Skills and Personality Development"** which will be held on 26/02/2022, 05/03/2022, 12/03/2022 and 19/03/2022. Interested Candidates should register to Ms. Minal Chaudhari before 21/02/2022 upto 5:00 pm.

Course Content

Day 1: Introduction to Interview Skills and Personality Development, Effective Communication Skills, Professional Etiquette and Body Language, Interpersonal Skills and Teamwork

Day 2: SWOT analysis, Interview Preparation and Techniques, Handling Interview Challenges

Day 3: Resume writing, Practical sessions/ demonstrations

Day 4: Practical sessions/ demonstrations

Dr.Ganesh Tapadiya

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Course Module

Add on Course

On

Inculcating Interview Skills and Personality Development

PREFACE

Scope and Significance:

Mastering interview skills is vital for achieving success in various professional endeavours. Whether securing employment, gaining admission to educational institutions, or advancing within a career, effective interview skills play a crucial role. They enable individuals to make favourable first impressions, articulate ideas clearly, and showcase their problem-solving abilities and adaptability. Moreover, honing interview skills cultivates confidence and professionalism, essential traits that help candidates stand out in competitive environments. By mastering these skills, individuals not only increase their chances of securing desired opportunities but also enhance their overall career trajectory.

Simultaneously, investing in personality development is equally essential for personal and professional growth. Developing self-awareness, confidence, and strong interpersonal skills enhances one's ability to build meaningful relationships, collaborate effectively, and navigate challenges with resilience. Personality development also fosters traits such as emotional intelligence and leadership qualities, which are critical for success in leadership roles and for making a positive impact within teams and organizations. Ultimately, by focusing on both interview skills and personality development, individuals can unlock their full potential, achieve career aspirations, and lead fulfilling lives characterized by continuous growth and professional achievement.

Course Details:

Eligibility for the course: All the Diploma, Graduates and Post Graduate Students.

Course Mode of Conduct:

Blended mode both theory and Practical

Offline (Classroom)

Online platforms

Course Duration:

4 Days - 26th Feb 2022, 5th March 2022, 12th March 2022, 19th March 2022 (30 Hrs of Theory and Practical) without affecting regular academic activities

Medium of Instructions: English

For more details Contact: **Mr Kishan B. Jaiswal,** Asst. Professor, Shreeyash Institute of Pharmaceutical Education & Research, Chh. Sambhajinagar. Mob:- 8830486696

Objectives of Course

1. Enhancing Interview Competence: To prepare participants for job interviews by enhancing skills in preparation, confident question answering, and showcasing qualifications and experience.

2. Improving Communication Skills: To enhance participants' verbal and non-verbal communication skills for clear expression, active listening, and effective professional engagement.

3. Building Self-Confidence: To increase participants' confidence through techniques for managing nervousness, presenting oneself confidently, & handling challenging situations in interviews and the workplace.

4. Developing Professional Etiquette: To instruct participants in workplace etiquette, covering dressing, body language, and manners to cultivate a polished and professional image.

5. Strengthening Interpersonal Skills: To improve participants' relationship-building skills, fostering collaboration and adept navigation of diverse personalities within teams or organizations.

6. Cultivating Positive Attitude: To cultivate a positive mindset for tackling challenges with resilience, adaptability, and a solution-oriented approach.

7. Self-Awareness and Self-Improvement: To prompt participants to reflect on strengths, weaknesses, and growth areas, fostering ongoing self-improvement and personal development.

8. Effective Networking: To teach participants effective networking for building meaningful professional connections and leveraging them for career advancement.

9. Conflict Resolution and Problem-Solving: To teach constructive conflict resolution techniques and foster a logical, creative problem-solving approach.

10. Global and Cultural Sensitivity: To promote cultural awareness and respect for diversity, enabling effective interactions in a globalized workplace.

11. Leadership and Teamwork: To cultivate leadership and teamwork skills for effective project and team collaboration.

12. Overall Professionalism: To install professionalism encompassing integrity, accountability, time management, and ethical behaviour in participants.

Course Content: (Total 30 hrs theory and Practical sessions)

The content of an inculcating interview skills and personality development certificate course will be theory as well as practical training sessions covering following topics.

1: Introduction to Interview Skills and Personality Development: (01)
- Understanding the importance of interview skills and personality development
- Setting personal goals for the course

2: Effective Communication Skills: (03)
- Verbal and non-verbal communication
- Active listening and asking probing questions
- Articulating thoughts clearly and concisely
- Building Self-Confidence

3: Professional Etiquette and Body Language (02)
- Dressing for success and appropriate grooming
- Understanding body language cues and gestures
- Handshakes, eye contact, and posture

4: Interpersonal Skills and Teamwork (02)
- Developing rapport and building relationships
- Collaborating within teams and across departments
- Resolving conflicts and handling difficult conversations
- Positive Attitude and Mindset

5: SWOT analysis (01)
- Identifying strengths, weaknesses, and areas for improvement

6: Interview Preparation and Techniques (03)
- Researching the company and role
- Responding to common interview questions
- Behavioural and situational interview techniques

7: Handling Interview Challenges (02)
- Addressing gaps in employment or qualifications
- Discussing salary expectations and negotiation strategies

- Handling tricky or unexpected interview questions

8: Resume writing (01)

9: Practical sessions/ demonstrations (15)
- Mock Interview
- Group Discussions
- Presentations
- Public Speaking

This course covers essential areas for interview success and overall personality development, aiming to equip participants with skills that enhance their professional presence and maximize career growth potential.

Course Outcome:

A 30-hour course focused on interview skills and personality development is designed to equip you with practical tools and techniques for excelling in job interviews and improving your overall professional demeanor. Here's what you might expect to gain from such a course:

1. Interview Skills

Preparation:

- **Research:** How to research companies and roles effectively.
- **Resume/CV Writing:** Tips for crafting a compelling resume and cover letter.
- **Common Questions:** Understanding and preparing for common interview questions.

Presentation:

- **Answering Techniques:** Techniques for structuring your answers, such as the STAR (Situation, Task, Action, Result) method.
- **Body Language:** How to use positive body language and manage nervous habits.

Practical Skills:

- **Mock Interviews:** Participating in simulated interviews to practice responses and receive feedback.
- **Question Handling:** Strategies for handling difficult or unexpected questions.
- **Follow-Up:** Best practices for post-interview follow-up and thank-you notes.

2. Personality Development

Self-Awareness:

- **Strengths and Weaknesses:** Identifying personal strengths and areas for improvement.
- **Self-Assessment:** Tools and techniques for self-assessment and reflection.

Communication Skills:

- **Effective Communication:** Enhancing verbal and non-verbal communication skills.
- **Listening Skills:** Active listening techniques to improve interactions.

Confidence Building:

- **Public Speaking:** Tips and practice for speaking confidently in front of others.
- **Self-Presentation:** Techniques for presenting yourself confidently in professional settings.

Interpersonal Skills:

- **Networking:** Strategies for effective networking and building professional relationships.
- **Team Dynamics:** Understanding and improving your role in team environments.

Personal Branding:

- **Online Presence:** Managing your online presence, including LinkedIn and other professional networks.

- **Personal Style:** Developing a professional style and image that aligns with your career goals.

Additional Benefits:

- **Professional Growth:** Enhanced ability to handle interviews and professional interactions more effectively.
- **Self-Esteem:** Improved self-confidence and self-presentation skills.
- **Career Advancement:** Better preparation for job searches and career development.

Certification:

Some courses might offer a certificate of completion, which can be a valuable addition to your resume or LinkedIn profile.

Overall, a 30-hour course in interview skills and personality development aims to prepare you for job interviews and professional situations by improving your communication, confidence, and personal presentation.

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Date -07/02/2022

NOTICE

Academic year: 2021-2022

It is hereby informed to all the students of Third and Final year we are going to conduct add on course on **"Good Manufacturing Practices and GMP auditing"** which will be held on 18/02/2022, 25/02/2022, 5/03/2022 and 12/03/2022. Interested candidate should be register to Ms. Minal Chaudhari before 13/02/2022 up to 5:00 pm.

Course content

Day 1: Introduction to GMP &GMP AUDITS

Day 2: Quality system

Day 3: Documentation

Day 4: Quality Assurance

Dr.Ganesh Tapadiya

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"Good Manufacturing Practices and GMP auditing"

Schedule

Day 1: Introduction to Good Manufacturing Practices (GMP)

1.1 Understanding GMP

1.1.1 Introduction to GMP

- **Session Overview:**
  - o Welcome and Course Introduction
  - o Importance of GMP in Industry
  - o Learning Objectives for the Day
- **Topics Covered:**
  - o Definition of GMP
  - o Scope and Application of GMP across various industries (Pharmaceuticals, Food, Cosmetics, etc.)
  - o Key Terminologies and Concepts in GMP

1.1.2 Importance of GMP

- **Session Overview:**
  - o Role of GMP in ensuring product quality and safety
  - o Consequences of non-compliance
- **Topics Covered:**
  - o Case Studies: Incidents of GMP Non-Compliance and Their Impact
  - o Benefits of Implementing GMP

1.1.3 History and Evolution of GMP

- **Session Overview:**
  - o Historical Background and Development of GMP
  - o Key Milestones in the Evolution of GMP Regulations
- **Topics Covered:**
  - o Early Beginnings: From Pure Food and Drug Act to Modern GMP
  - o Evolution of International GMP Standards
  - o Comparative Overview of GMP Regulations (FDA, EMA, WHO)

1.2 Key Principles of GMP
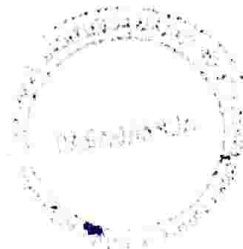
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1.2.1 Hygiene and Cleanliness Standards

- **Session Overview:**
  - Importance of Hygiene in GMP
  - Standards and Best Practices
- **Topics Covered:**
  - Personal Hygiene Requirements for Staff
  - Facility Cleanliness: Design and Maintenance
  - Cross-Contamination Prevention

1.2.2 Facility and Equipment Design

- **Session Overview:**
  - Designing for GMP Compliance
  - Ensuring Equipment and Facilities Meet GMP Standards
- **Topics Covered:**
  - Facility Layout and Workflow Design
  - Equipment Qualification and Maintenance
  - Environmental Control (HVAC Systems, Cleanrooms)

1.2.3 Personnel Qualifications and Training

- **Session Overview:**
  - Role of Personnel in GMP Compliance
  - Training and Qualification Requirements
- **Topics Covered:**
  - Staff Roles and Responsibilities
  - Training Programs and Documentation
  - Ongoing Competency Assessments

1.2.4 Documentation and Record Keeping Practices

- **Session Overview:**
  - Importance of Accurate Documentation
  - Types of Records and Their Role in GMP
- **Topics Covered:**
  - Good Documentation Practices (GDP)
  - Types of GMP Documentation (SOPs, Batch Records, Logbooks)
  - Maintaining Data Integrity and Traceability

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Day 2: Quality Systems

2.1 Components of a Quality System

2.1.1 Definition and Purpose of a Quality Management System (QMS)

- **Session Overview:**
    - Introduction to Quality Systems
    - Role of QMS in GMP
- **Topics Covered:**
    - Definition and Objectives of a QMS
    - Benefits of Implementing a QMS
    - Key Regulatory Requirements for QMS (FDA, EMA, ISO 9001)

2.1.2 Key Elements of a QMS

- **Session Overview:**
    - Detailed Examination of QMS Elements
    - Integration of QMS into GMP Framework
- **Topics Covered:**
    - Quality Manual: Structure and Content
    - Standard Operating Procedures (SOPs): Development and Implementation
    - Quality Policies and Objectives
    - Process and Procedure Documentation

2.1.3 Role of Senior Management in Quality Systems

- **Session Overview:**
    - Leadership and Commitment to Quality
    - Management's Role in Establishing and Maintaining QMS
- **Topics Covered:**
    - Management Responsibility and Accountability
    - Resource Allocation for Quality
    - Continuous Improvement and Quality Culture

2.2 Implementation of Quality Systems

2.2.1 Developing and Implementing a Quality Plan

- **Session Overview:**
    - Strategic Planning for Quality Management
    - Steps for Effective Implementation of a Quality Plan

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Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere & MSBTE Mumbai.

- **Topics Covered:**
  - Setting Quality Objectives and Goals
  - Planning and Scheduling Quality Activities
  - Monitoring and Reviewing Quality Performance

2.2.2 Risk Management Strategies and Tools

- **Session Overview:**
  - Identifying and Managing Risks in GMP
  - Tools and Techniques for Effective Risk Management
- **Topics Covered:**
  - Risk Assessment and Analysis
  - Risk Mitigation Strategies
  - Use of FMEA (Failure Modes and Effects Analysis) and HACCP (Hazard Analysis and Critical Control Points)

2.2.3 Continuous Improvement Practices (CAPA - Corrective and Preventive Actions)

- **Session Overview:**
  - Importance of Continuous Improvement in QMS
  - Implementing CAPA for Sustained Quality
- **Topics Covered:**
  - Identifying Non-Conformities and Root Cause Analysis
  - Developing and Implementing CAPA Plans
  - Monitoring the Effectiveness of CAPA

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Day 3: Documentation

3.1 Importance of Documentation in GMP

3.1.1 Legal and Regulatory Requirements for Documentation

- **Session Overview:**
    - Understanding Regulatory Expectations
    - Importance of Compliance in Documentation
- **Topics Covered:**
    - Overview of Regulatory Requirements (FDA, EMA, WHO)
    - Consequences of Poor Documentation
    - Case Studies: Regulatory Actions Due to Documentation Failures

3.1.2 Types of GMP Documentation

- **Session Overview:**
    - Exploring Various Documentation Types
    - Their Role and Importance in GMP Compliance
- **Topics Covered:**
    - Standard Operating Procedures (SOPs)
    - Batch Records and Production Logs
    - Equipment and Cleaning Logs
    - Training Records and Certificates
    - Audit and Inspection Reports

3.2 Good Documentation Practices (GDP)

3.2.1 Principles of Good Documentation Practices

- **Session Overview:**
    - Introduction to GDP
    - Ensuring Accuracy and Integrity in Documentation
- **Topics Covered:**
    - ALCOA Principles (Attributable, Legible, Contemporaneous, Original, Accurate)
    - Best Practices for Creating and Maintaining Documentation
    - Common Documentation Errors and How to Avoid Them

3.2.2 Writing Effective and Clear SOPs

- **Session Overview:**
    - Importance of Well-Written SOPs
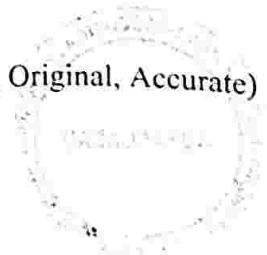
- o Guidelines for Developing SOPs
- **Topics Covered:**
  - o Structure and Components of an SOP
  - o Writing Clear and Concise Instructions
  - o Reviewing and Approving SOPs
  - o Case Study: Analyzing Effective and Ineffective SOPs

3.2.3 Document Control Procedures

- **Session Overview:**
  - o Managing the Lifecycle of Documents
  - o Ensuring Documents are Current and Accessible
- **Topics Covered:**
  - o Creation, Review, and Approval Processes
  - o Document Distribution and Accessibility
  - o Version Control and Document Revision History
  - o Archiving and Retention Requirements

3.2.4 Ensuring Data Integrity in Electronic and Paper-Based Systems

- **Session Overview:**
  - o Safeguarding Data Integrity
  - o Best Practices for Data Management
- **Topics Covered:**
  - o Data Integrity Principles and Regulations
  - o Electronic Records and Signatures (21 CFR Part 11)
  - o Maintaining Integrity in Paper-Based Systems
  - o Audit Trails and Data Security

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Day 4: Quality Assurance (QA)

4.1 Role and Responsibilities of QA

4.1.1 Differentiation between Quality Control (QC) and Quality Assurance (QA)

- **Session Overview:**
    - Understanding the Distinction Between QC and QA
    - Key Roles and Responsibilities of QA
- **Topics Covered:**
    - Definitions and Functions of QC and QA
    - How QA and QC Work Together to Ensure Product Quality
    - Case Studies: Effective QA and QC Collaboration

4.1.2 Key Responsibilities of the QA Department

- **Session Overview:**
    - Comprehensive Overview of QA Responsibilities
    - How QA Contributes to GMP Compliance
- **Topics Covered:**
    - Overseeing Quality Management Systems (QMS)
    - Conducting Internal Audits and Inspections
    - Supplier and Vendor Quality Management
    - Change Control and Deviation Management
    - Document Review and Approval
    - Training and Personnel Qualification

4.1.3 Role of QA in Compliance and Continuous Improvement

- **Session Overview:**
    - Ensuring Compliance Through QA
    - Driving Continuous Improvement Initiatives
- **Topics Covered:**
    - Regulatory Compliance and QA's Role in Meeting Standards
    - Implementing Corrective and Preventive Actions (CAPA)
    - Continuous Improvement Tools and Techniques
    - Case Study: Successful Implementation of QA-Driven Improvements

4.2 Quality Audits and Inspections

4.2.1 Types of Audits: Internal, External, Regulatory

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- **Session Overview:**
  - Understanding Different Types of Audits
  - Preparing for and Conducting Audits
- **Topics Covered:**
  - Internal Audits: Purpose, Planning, and Execution
  - External Audits: Engaging Third-Party Auditors
  - Regulatory Inspections: Preparing for Regulatory Visits
  - Audit Case Studies: Common Findings and Best Practices

4.2.2 Preparing for Quality Audits

- **Session Overview:**
  - Detailed Preparation for Quality Audits
  - Ensuring Readiness and Compliance
- **Topics Covered:**
  - Developing an Audit Plan and Schedule
  - Preparing Documentation and Records
  - Training Staff for Audit Readiness
  - Mock Audits and Pre-Inspection Assessments

4.2.3 Conducting Audits: Techniques and Best Practices

- **Session Overview:**
  - Effective Audit Execution
  - Techniques for Thorough and Objective Auditing
- **Topics Covered:**
  - Audit Methodologies and Tools
  - Conducting Interviews and Collecting Evidence
  - Identifying and Documenting Non-Conformities
  - Communicating Findings Effectively

4.2.4 Post-Audit Activities: Reporting and CAPA

- **Session Overview:**
  - Post-Audit Follow-Up and CAPA Implementation
  - Ensuring Continuous Improvement Post-Audit
- **Topics Covered:**
  - Analyzing Audit Findings and Root Cause Analysis
  - Developing Corrective and Preventive Action Plans
  - Tracking and Verifying CAPA Implementation
  - Continuous Monitoring and Follow-Up Audits

AURANGABAD

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Date: 20.12.2021

NOTICE

All the Students of B. Pharm 3rd & 4th Year and teaching staff are hereby informed that our institute has organized a Seminar on *"Strategies for Preparation of GPAT"* on Friday, 24th December 2021 from 10:30 am to 12.30 pm.

So, all the students and staff members are requested to attend the seminar.

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Board of Technical Education (MSBTE), **(MSBTE Code- 1838)** Mumbai

Date: - 15 / 11 / 2021

NOTICE

Academic Year: 2021-22

It is hereby informed to all the students of B. Pharm Second Year that we are going to conduct an Add on course on **"Computer Skills"** which will be held on 27/11/2021, 04/12/2021, 11/12/2021 and 18/12/2021. Interested Candidates should register to Ms. Minal Chaudhari before 22/11/2021 up to 5:00 pm.

Course Content

Day 1: Microsoft word, Microsoft Outlook

Day 2: Microsoft Power Point, Microsoft Project

Day 3: Microsoft Excel

Day 4: Microsoft access

Dr.Ganesh Tapadiya

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Shreeyash Pratishthan's
Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad

Course Module

Add on Course

On

COMPUTER SKILLS

Shreeyash Pratishthan's
Shreeyash Institute of Pharmaceutical Education and Research,

Shreeyash Campus, Gut No 258 (P), Satara Parisar, Near SRPF Camp, Beed By Pass Road,

Aurangabad - 431010 (M.S.)

Website: www.syppharmacy.org, Email: shreeyashiper@gmail.com

Course Coordinator: Ms. Minal Chaudhari,

Assistant Professor and In-charge, Industry Institute Interaction cell

Mobile: 09823853844, Email: minal.chaudhari@syppharmacy.org

About the SYIPER

Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad, is a prestigious institution dedicated to Pharmaceutical Education and Research. Established in 2017, the institute has evolved into a centre of excellence, offering undergraduate and postgraduate programs in pharmaceutical sciences. The institute is approved by the Pharmacy Council of India (PCI) and affiliated with the Maharashtra State Board of Technical Education (MSBTE).

The institute is committed to providing high-quality education, research, and training in pharmaceutical sciences. Its state-of-the-art infrastructure, advanced laboratories, and experienced faculty create an ideal learning environment for students. Research is a significant focus area, with emphasis on drug development, pharmacology, and pharmaceutical technology. The institute has established collaborations with industry and academic partners, providing students with opportunities for internships, projects, and placements. Shreeyash Institute of Pharmaceutical Education and Research aims to produce competent pharmacists, researchers, and industry professionals who can contribute to the healthcare sector and society.

PREFACE

Scope and Significance:

Computer skills are increasingly crucial in the field of pharmacy due to their significant impact on various aspects of pharmaceutical practice and research. Here's why mastering these skills is essential:

1. **Data Management:** Pharmacists frequently deal with large datasets related to patient records, drug interactions, and clinical trials. Proficiency in computer skills enables efficient data entry, management, and analysis, ensuring accuracy and compliance with regulatory requirements.

2. **Research and Analysis:** Pharmacy students equipped with computer skills can conduct literature reviews, analyze research data, and interpret findings using specialized software and databases. This enhances their ability to contribute to evidence-based practice and drug development.

3. **Communication and Documentation:** Effective communication within healthcare teams and with patients relies on using electronic health records (EHR) and other digital communication tools. A computer skills course teaches students how to navigate these systems securely and professionally.

4. **Pharmacy Management Systems:** Knowledge of computer systems is essential for using pharmacy management software to track inventory, process prescriptions, and manage patient information efficiently. This improves operational efficiency and patient care.

5. **Professional Development:** Learning computer skills prepares pharmacy students for evolving technologies in the healthcare sector. It equips them with the adaptability needed to stay current with industry advancements and regulatory changes.

In conclusion, integrating a computer skills course into the pharmacy curriculum enhances students' ability to thrive in modern pharmaceutical practice. It equips them with the tools needed to succeed in data-driven research, patient care, and pharmacy management, thereby shaping competent and future-ready pharmacists.

Objectives of the Course:

1. **Skill Development:** Equip students with essential computer skills required in pharmaceutical practice, research, and management.

2. **Data Management Proficiency:** Enable students to efficiently manage and analyze pharmaceutical data using appropriate software and tools.

3. **Research Enhancement:** Enhance students' ability to conduct literature reviews, analyze research data, and apply findings to pharmaceutical sciences.

4. **Communication and Documentation:** Teach students effective use of electronic health records (EHR) and digital communication tools for professional communication and documentation.

5. **Pharmacy Management Systems:** Familiarize students with pharmacy management software for inventory tracking, prescription processing, and patient management.

6. **Adaptability and Professionalism:** Prepare students to adapt to evolving technologies in healthcare and pharmaceutical industries while maintaining professionalism and compliance with regulatory standards.

7. **Career Readiness:** Enhance students' employability by equipping them with practical computer skills relevant to pharmaceutical practice and research.

8. **Integration of Theory and Practice:** Provide hands-on training and practical exposure to reinforce theoretical knowledge and develop confidence in using computer applications in pharmacy.

These objectives aim to ensure that pharmacy students gain comprehensive computer skills essential for their professional development and success in the pharmaceutical field.

Course Content: (Total 30 hrs theory and Practical sessions)

The content of Computer Skills certificate course will be theory as well as practical training sessions covering following topics.

Microsoft word - 6 hours

Introduction to Microsoft word, document views, entering and editing text, saving and opening documents, navigating and selecting text, editing, copying and moving text, formatting documents, using bullet and number lists, using tabs, introduction to tables, inserting pictures, page layout and printing

Microsoft PowerPoint - 6 hours

Introduction to Microsoft PowerPoint, creating a presentation, entering and editing text, managing text, text boxes and tables, pictures and drawings, smart art and charts, presentation designs and formatting, printing PowerPoint presentations, simple animations, running slide shows

Microsoft Excel - 6 hours

Introduction to Microsoft Excel, entering and amending data, saving and opening work books, navigating and selecting ranges, entering formulas, inserting/deleting rows and columns, formatting worksheets, using simple functions, copying, moving and autofill, relative vs absolute references, previewing and printing

Microsoft access - 6 hours

Overview of relational databases, introduction to Microsoft access, creating a database, creating tables and modifying table design, working with tables select queries, creating and using forms, creating and using reports, database management

Microsoft Outlook 3 hours

Customise messages settings, organise and locate Outlook messages, set calendar options, track activities using the journal, assign and track tasks, share folder information, customise the outlook environment.

Microsoft Project - 3 hours

Fundamentals of project management, introduction to MS project, task relationships and constraints, resources and calendars, assigning resources to task, managing costs, analysing and tuning schedules, reporting and tracking progress, customising Microsoft project, consoliding multiple projects

Syllabus design and developed by:

Mr. Kishan B. Jaiswal

Course Outcome :

A 30-hour Microsoft Office course can provide you with a comprehensive understanding of various Office applications, depending on the specific focus of the course. Here's a general outline of what you might expect to achieve from such a course:

1. Microsoft Word

- **Basic Skills:** Creating, formatting, and editing documents; using styles and themes.
- **Intermediate Skills:** Advanced formatting, creating tables, using templates, and incorporating graphics.
- **Advanced Skills:** Mail merge, creating and managing long documents, and using advanced features like track changes and comments.

2. Microsoft Excel

- **Basic Skills:** Navigating the interface, creating and formatting spreadsheets, basic formulas and functions.
- **Intermediate Skills:** Using intermediate functions (e.g., VLOOKUP, HLOOKUP, and IF statements), creating charts and graphs, and data management techniques.
- **Advanced Skills:** Advanced formulas and functions, pivot tables, data analysis tools, and automating tasks with macros.

3. Microsoft PowerPoint

- **Basic Skills:** Creating and formatting presentations, using templates and themes.
- **Intermediate Skills:** Incorporating multimedia elements, designing slide layouts, and using transitions and animations.
- **Advanced Skills:** Creating custom templates, advanced animation techniques, and preparing presentations for different devices and formats.

4. Microsoft Outlook

- **Basic Skills:** Managing emails, calendar events, and contacts.
- **Intermediate Skills:** Using advanced email features (e.g., rules, filters), scheduling meetings, and managing tasks.
- **Advanced Skills:** Integrating Outlook with other Office applications, using advanced search and organizational tools.

5. Microsoft Access (if included)

- **Basic Skills:** Creating and managing databases, using tables, forms, queries, and reports.
- **Intermediate Skills:** Advanced querying techniques, database relationships, and data validation.
- **Advanced Skills:** Designing complex database structures, automating tasks with macros, and using VBA (Visual Basic for Applications) for custom solutions.

Additional Benefits:

- **Improved Efficiency:** Learn shortcuts and tips to speed up your workflow.
- **Professional Competency:** Enhanced ability to create professional documents, reports, and presentations.
- **Problem-Solving Skills:** Ability to handle complex tasks and troubleshoot common issues in Microsoft Office applications.

Certification:

Depending on the course, you might receive a certificate of completion or even prepare for Microsoft Office Specialist (MOS) certification exams.

Overall, a 30-hour course should give you a strong foundation in Microsoft Office applications and help you apply these skills effectively in a professional setting.

Course Details:

Eligibility for the course: All the Diploma, Graduates and Post Graduate Students.

Course Mode of Conduct:

Blended mode both theory and Practical

Offline (Classroom)

Online platforms

Course Duration:

4 Days (30 contact hrs of theory and Practical) without affecting regular academic activities

Medium of Instructions: English

Experts and trainers from training institutes and professional organizations will conduct the sessions.

For more details Contact:

Mr. Kishan B. Jaiswal,
Assistant Professor,
Shreeyash Institute of Pharm. Edu. & Res.,
Chh. Sambhajnagar
Mob. 8830486696

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Photograph:

Activity in charge/s

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Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere & MSBTE Mumbai.**

Date: 20.11.2021

NOTICE

All the students and teaching staff are hereby informed that our institute has organized Seminar on *"Gas Chromatography and its applications"* on Wednesday 24th November, 2021 from 11:00 am to 01:00 pm.

So, all the students and staff members are requested to attend the same.

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Education (MSBTE), **(MSBTE Code- 1838)** Mumbai

Date: 28.09.2021

NOTICE

All the students of B. Pharm Final Year are hereby informed that our institute has organized a

Webinar on *"Scientific writing skill and DoE in Pharmaceutical Research"* on Sunday

03.10.2021 at 11:00 am through online Zoom platform.

So all the students and teachers are requested to attend the same.

Principal
Shreeyash Institute Of Pharmaceutical
Education and Research
Chh.Sambhajinagar

Date: - 18 / 08 / 2021

NOTICE

Academic Year: 2021-22

It is hereby informed to all the students of B. Pharm Third Year that we are going to conduct an Add on course on **"Quality by Design Approach for Formulation Development"** which will be held on 28/08/2021, 04/09/2021, 11/09/2021 and 18/09/2021. Interested Candidates should register to Ms. Minal Chaudhari before 25/08/2021 up to 5:00 pm.

Course Content

Day 1: Introduction to Quality by Design (QbD), Global regulatory perspectives on Quality by Design

Day 2: Design of Experiments (DoE) in pharmaceutical product and process optimization

Day 3: PAT tools for implementation of Quality by Design

Day 4: Quality by Design approach for formulation development: Case Study

Dr.Ganesh Tapadiya

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Education And Research, Aurangabad

Add on Course in

FORMULATION DEVELOPMENT USING QUALITY BY DESIGN APPROACH

About Course:

This course presents a novel and tested method for developing pharmaceutical products which is currently being implemented globally in the pharmaceutical sector. Pharmaceutical firms may ensure that quality is ingrained in the product by using this unique approach, which is based on the application of product and process understanding supported by a systematic methodology. For scientists employed in the pharmaceutical sector, familiarity with Quality by Design (QbD) is very crucial.

Objectives:

1) To understand the fundamental principles of QbD, current regulatory requirements, DoE, relationship between QbD and PAT tools.

2) To get the practical approach of application of QbD principles in formulation development

Course Contents:

Introduction to Quality by Design (QbD)

Fundamentals of Quality by design, Steps involved in QbD, Keyaspects of QbD, Tools of QbD.

Unit II: 04 hours

Global regulatory perspectives on Quality by Design Regulatory perspectives on QbD, ICH Q8,

Q9 and Q10 guidelines.

Unit III: 08 hours

Design of Experiments (DoE) in pharmaceutical product andprocess optimization

Fundamentals of experimental designs, Selection of experimental designs, Screening designs, Optimization designs, DoE considerationsin QbD.

Unit IV: 06 hours

PAT tools for implementation of Quality by Design

Relationship between QbD and Process Analytical Technology(PAT), In-line, on-line, at-line analysis through PAT. .

Unit V: 8 hours

Quality by Design approach for formulation development: Case Study

Case study of formulation development through QbD paradigm. Identification of QTPP, CQA, Risk assessment, DoE with focus on critical material and process attributes.

Course Outcome:

A 30-hour add-on course on the "Quality by Design" (QbD) approach for formulation development will provide you with a deep understanding of how to integrate quality into the product development process from the very beginning. Here's what you can typically expect to achieve from such a course:

1. Understanding Quality by Design (QbD)

Conceptual Framework:

- **Principles of QbD:** Introduction to the fundamental principles of QbD, including its importance and benefits.
- **Regulatory Guidelines:** Understanding relevant regulatory guidelines and expectations (e.g., FDA, EMA) for QbD in formulation development.

QbD Process:

- **Quality Target Product Profile (QTPP):** How to define and document the desired quality attributes and performance criteria for the product.
- **Critical Quality Attributes (CQAs):** Identifying and characterizing CQAs that impact the safety, efficacy, and quality of the final product.
- **Critical Process Parameters (CPPs):** Determining which process parameters are critical to maintaining CQAs and overall product quality.

2. Implementation of QbD in Formulation Development

Formulation Design:

- **Design Space:** Establishing a design space where formulation and process variables can be optimized to ensure product quality.
- **Risk Assessment:** Tools and techniques for risk assessment and management, such as Failure Mode and Effects Analysis (FMEA) and Risk Priority Number (RPN).

Experimental Design:

- **Design of Experiments (DoE):** Applying DoE methodologies to understand the relationship between formulation variables and CQAs.
- **Data Analysis:** Interpreting experimental data to make informed decisions about formulation adjustments.

Process Optimization:

- **Process Analytical Technology (PAT):** Implementing PAT tools to monitor and control critical aspects of the manufacturing process.
- **Scale-Up:** Strategies for scaling up the formulation process from lab to commercial production while maintaining quality.

3. Documentation and Control

Quality Documentation:

- **QbD Documentation:** Best practices for documenting QbD-related activities, including risk assessments, design space definitions, and control strategies.
- **Regulatory Submissions:** Preparing and presenting QbD-related information in regulatory submissions and interactions.

Continuous Improvement:

- **Feedback Loops:** Establishing feedback loops for continuous monitoring and improvement of the formulation and process.

- **Change Control:** Managing changes to formulations or processes while ensuring that quality is maintained.

4. Practical Application

Case Studies:

- **Real-World Examples:** Analyzing case studies to see how QbD principles have been applied in actual formulation development scenarios.
- **Hands-On Exercises:** Engaging in practical exercises or simulations to apply QbD concepts and tools.

Expert Insights:

- **Guest Speakers:** Opportunities to learn from industry experts and practitioners who can provide insights and answer questions about QbD implementation.

Additional Benefits:

- **Enhanced Skills:** Improved ability to apply QbD principles in formulation development to ensure higher quality and compliance.
- **Regulatory Compliance:** Better understanding of regulatory expectations and how to meet them.
- **Career Advancement:** Increased expertise in a critical area of pharmaceutical and formulation development, potentially leading to career growth opportunities.

Certification:

Some courses may offer a certificate of completion or even preparation for certification in QbD principles, which can be a valuable credential in the field.

Overall, a 30-hour course on the Quality by Design approach for formulation development aims to equip you with the knowledge and skills necessary to integrate quality into every stage of the formulation process, ensuring that products meet the highest standards of safety and efficacy.

Conducted by: Shreeyash Institute of Pharmaceutical Education and Research, Gat No. 258, Satara Parisar, Beed Bypass, Chhatrapati Sambhajnagar - 431136, Maharashtra

Course Coordinator: Ms. Minal Chaudhari , Assistant Professor, Shreeyash Institute of Pharmaceutical Education and Research, Aurangabad

CONTACT: 9823853844

Phone: 02406608778   Website: www.syppharmacy.org   **Email:** minal.chaudhari@syppharmacy.org

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Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere & MSBTE Mumbai.

Date: 10.05.2021

NOTICE

All the teaching staff and students of B. Pharm 3rd & 4th year are hereby informed that our institute has organized a Webinar on *"Computational techniques in Healthcare and Pharmaceuticals"* on Thursday 13nd May, 2021 at 11:00 am.

So, all the students and staff members are requested to attend the Webinar.

Principal
Shreeyash Institute Of Pharmaceuti.
Education And Research, Aurangabao

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Date: 23.10.2020

NOTICE

All the B. Pharm 3rd & Final Year Students and teaching faculty members are hereby informed that our institute has organized a Webinar on *"Introduction to bio analytical studies for clinical research"* on Wednesday, 28th October 2020 from 11:00 am to 12:00 pm.

So, all the Students and staff members are requested to attend the Webinar.

Principal
PRINCIPAL
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Education And Research, Aurangabad

Date: 11.06.2020

NOTICE

All the B. Pharm 3rd& Final Year Students and teaching faculty members are hereby informed that our institute has organized a Webinar on "*Biopharmaceutical Drug Development*" on Thursday, 15th June 2020 from 04:00 pm to 05:00 pm.

So, all the Students and staff members are requested to attend the Webinar.

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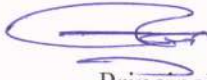
Date: 04.06.2020

NOTICE

All the teaching staff and students of B. Pharm 3rd year are hereby informed that our institute has organized a Webinar on *"Important Named reaction for GPAT and NIPER"* on Monday8th June, 2020 at 04:00 pm.

So, all the students and staff members are requested to attend the Webinar.

Principal
Shreeyash Institute Of Pharmaceutical
Education And Research, Aurangabad

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Date: 04.09.2019

NOTICE

All the 2nd and 3rd year students and teaching staff are hereby informed that our institute has organized a Webinar on **"Pharmacist role in public healthcare"** on 07th September, 2019 from 2:00 pm to 04:30 pm.

So, all the students and staff members are requested to attend the session.

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Education And Research, Aurangabad

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Date: 04.09.2019

NOTICE

All the 3rd and 2nd year students and teaching staff are hereby informed that our institute has organized Seminar on *"Research Paper writing, Personality Development"* on Friday 06th September, 2019 from 11:00 am to 01:00 pm.

So, all the students and staff members are requested to attend the same.

Principal
Shreeyash Institute Of Pharmaceutical
Education And Research, Aurangabad

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Shreeyash Pratishthan's

SHREEYASH INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

(D. Pharm & B. Pharm)

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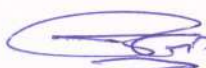
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Date: 04.09.2019

NOTICE

All the 2nd and 3rd yearstudents and teaching staff members are hereby informed that our institute has organized a Seminar on *"GPAT Guidance Session"* on Friday 06thSeptember, 2019 at 02:00 pm in Seminar hall.

So, all the students and staff members are requested to attend the Seminar.

Principal
PRINCIPAL
Shreeyash Institute Of Pharmaceutical
Education And Research, Aurangabad

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