

**Summary Report on Add on /Certificate/ Value Added Programs for Academic Year 2018-2019**

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VALUE-ADDED COURSE on ANALYTICAL LABORATORY SKILL DEVELOPMENT IN PHARMACEUTICAL INDUSTRY

SUMMARY REPORT

A Value-Added Course for B. Pharmacy 1st Year Students was organized by the Department of Pharmaceutical analysis at Vignan institute of pharmaceutical technology 22-11-18 to 28-11-18.

The course was conducted on “Analytical Laboratory Skill Development in Pharmaceutical Industry”. The resource person for the course is **Dr. T. Hemant Kumar**, Associate Professor Vignan Institute of Pharmaceutical Technology, Visakhapatnam, Andhra Pradesh. The course started on 22-11-18 with the welcome address by the coordinator **Mr. K. Vara Prasada Rao, VIPT**. It ended on 28-11-18 with concluding remarks by the resource person. A total of 24 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective: To train the students in Analytical Laboratory skills required for pharmaceutical and certification will be provided after successful completion.

Course Outcomes:

Upon completion of the course the student is able to :

1. Understand the principles of Pharmaceutical analysis.
2. Develop Analytical Skills.
3. Perform quantitative and qualitative analysis of drugs using various analytical Instruments.



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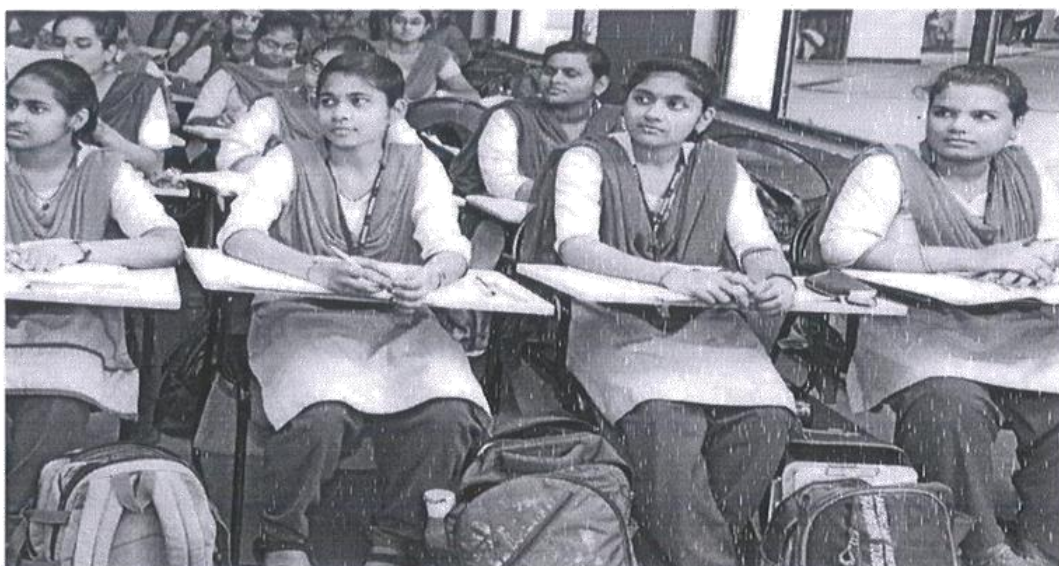
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Name of the Value added Course: **Analytical Laboratory Skill Development in Pharmaceutical Industry**

Date: **22-11-18 to 28-11-18**

Latitude	17.71184°
Longitude	83.164142°



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PROGRAM SCHEDULE


Date& Time	Topic	No. of Hours
22.11.2018 9:30 AM to 12:30PM &1:30 PM to 4:30 PM	Lab setup and Working in Lab	5 Hrs
23.11.2018 9:30 AM to 12:30PM &1:30 PM to 4:30 PM	Weighing Techniques	5 Hrs
24.11.2018 9:30 AM to 12:30PM &1:30 PM to 4:30 PM	Pipetting Techniques	5 Hrs
26.11.2018 9:30 AM to 12:30PM &1:30 PM to 4:30 PM	Solid Sample Preparation Techniques	5 Hrs
27.11.2018 9:30 AM to 12:30PM &1:30 PM to 4:30 PM	Mobile Phase Preparation	5 Hrs
28.11.2018 9:30 AM to 12:30PM &1:30 PM to 4:30 PM	Operation and Calibration of Analytical Balance	5 Hrs
Total		30 Hrs


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VALUE-ADDED COURSE on

HERBAL COSMETICS

SUMMARY REPORT

A Value-Added Course for 1st Year Students of B Pharmacy was organized by the Department of Pharmaceutics at Vignan Institute Of Pharmaceutical Technology from 22nd to 28th November 2018. The course was conducted on **HERBAL COSMETICS**. The resource person for the course is **Dr G. Chandra Sekhara Rao**, Professor, Yalamarthy Pharmacy College. The course started on 22 November 2018 with the welcome address by the coordinator **Mr.P. N. Mallikarjun**, Assistant Professor, VIPT. It ended on 28th November 2018 with concluding remarks by the resources person. A total of 24 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives :

Course will lay the foundation for Pharmaceutics and help students understand the concept of Herbal products and types of excipients used in products related to skin, hair care etc .

.Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Through this course students will learn about manufacturing of the cosmetic products.
- Description of several ingredients and their percentage involved in the production process.
- This course will increase their ease of understanding of cosmetic product manufacturing.



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Name of the Value added Course: **Natural products as leads for New pharmaceuticals**

Date: **22nd to 28th November 2018**

Latitude	17.012614 ⁰
Longitude	83.481251 ⁰



4/2/2018
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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
22 nd November 2018 01:00 to 06:00PM	Introduction Of Herbal cosmetics: Definition, advantages and disadvantages	5
23 rd November 2018 01:00 to 06:00PM	Classification Of Cosmetics Classification of based on the physical form, site of application etc	5
24 th November 2018 01:00 to 06:00PM	Raw materials used in Herbal Cosmetics Description of raw materials and their properties	5
26 th November 2018 01:00 to 06:00PM	Formulation of cosmetic products using herbs. Formulation of cosmetics which include colourants, protective agents, preservatives etc, Manufacturing methods of herbal cosmetics	5
27 nd November 2018 01:00 to 06:00PM	Evaluation of Herbal cosmetics Which Include: Patch test, Sensitization test , Skin irritation test, Biological assay , Toxicity studies, Color , Shelf life etc	5
28 th November 2018 01:00 to 06:00PM	Stability studies Of Herbal cosmetics: Storage conditions required for the preservation of herbal cosmetics	5
Total		30 Hrs

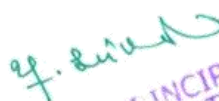

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VALUE ADDED COURSE

on

Natural products as leads for New Pharmaceuticals SUMMARY REPORT

A Value Added Course for B.Pharmacy 1st Year Students was organized by the Department of Pharmaceutical Chemistry at Vignan institute of Pharmaceutical Technology from 22nd Nov 2018 to 28th Nov 2018. The course was conducted on "*Natural products as leads for New pharmaceuticals*". The resource person for the course is **Prof Girija Sastry Vedula**, Department of Pharmaceutical Chemistry, Andhra university College of Pharmaceutical Sciences, Duvvada, Visakhapatnam, A.P, India. The course started on 22nd Nov 2018 with the welcome address by the coordinator **Mr.A.Kanaka Raju, Assistant Professor**. It ended on 28th Nov 2018 with concluding remarks by the resource person. A total of 21 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective:

This course will summarize all the aspects related to the natural products as leads for new pharmaceuticals, Identify natural drugs effecting Central nervous systems and different types of diseases & disorders.

Course Outcomes:

Upon completion of the course, the student will

- Understand the natural drugs effecting different systems.
- Explain the Natural products as leads for New pharmaceuticals.
- Describe Important chemical concepts and principles as leads for pharmaceuticals



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Name of the Value added Course: **Natural products as leads for New pharmaceuticals**

Date: **22nd to 28th November 2018**

Latitude	17.012614 ⁰
Longitude	83.481251 ⁰



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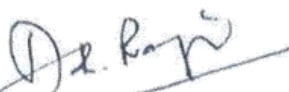
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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hrs
22 nd Nov 2018 1.00PM-6.00PM	Introduction, Drugs effecting the central nervous system	5
23 rd Nov 2018 1.00PM-6.00PM	Neuromuscular Blocking Drugs	5
24 th Nov 2018 1.00PM-6.00PM	Anticancer Drugs	5
26 th Nov 2018 1.00PM-6.00PM	Antibiotics	5
27 th Nov 2018 1.00PM-6.00PM	Cardiovascular drugs	5
28 th Nov 2018 1.00PM-6.00PM	Antiasthma drugs, Antiparasitic drugs	5
Total		30



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VALUE ADDED COURSE on MICROBIAL PATHOGENICITY MECHANISMS AND ASSOCIATED INFECTIOUS DISEASES SUMMARY REPORT

A Value Added Course for B. Pharmacy Students organized by the Department of Pharmaceutics at Vignan Institute of Pharmaceutical Technology from 10th December to 15th December 2018. The course was conducted on “Microbial Pathogenicity Mechanisms and Associated Infectious Diseases”. The resource person for the course is **Mr. B. Rama Rao, Assistant Professor**, Vignan Institute of Pharmaceutical Technology, Andhra Pradesh. The course started on 10th December, 2018 with the welcome address by the coordinator **Dr. S. Satya Lakshmi, VIPT**. It ended on 15th December, 2018 with concluding remarks by the resource person. A total of 26 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives: This course will make the students aware of factors that can help the microbes to cause infections, the microbial mechanisms that contribute pathogenesis in the host and prophylactic measures to avoid spreading of viral, bacterial and fungal infections

Course Outcomes:

Upon completion of the course:

1. Understand the impact of biotechnology and biological waste materials on environment.
2. Explain various types of microorganisms and its involvement.
3. Identify the suitable method of treatment.
4. Make use of these techniques alternative to conventional treatment methods.



24/12/2018
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Name of the Value added Course: **Microbial Pathogenicity Mechanisms and Associated Infectious Diseases**

Date: **10th December to 15th December 2018**

Latitude	17.71184°
Longitude	83.164141°

Y. Divya

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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
10 th December 2018 01:00PM to 06:00PM	Microbial Pathogen city Mechanisms	5
11 th December2018 01:00PM to 06:00PM	Bacterial infections	5
12 th December2018 01:00PM to 06:00PM	Viral infections	5
13 th December2018 01:00PM to 06:00PM	Fungal infections	5
14 th December2018 01:00PM to 06:00PM	Role of host factors that prevent infections	5
15 th December2018 01:00PM to 06:00PM	Special attention to prophylaxis and immunization	5
Total		30 Hours

S. Satyalakshmi
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VALUE-ADDED COURSE

on

2D – ECHOCARDIOGRAPHY

SUMMARY REPORT

A Value-Added Course for IIB.Pharmacy-II Semester Students of Pharmaceutical Analysis was organized by the Department of Pharmacology at Vignan institute of Pharmaceutical Technology from 10.12.2018 to 15.12.2018. The course was conducted on “2D – ECHOCARDIOGRAPHY”. The resource person for the course is Dr..Santosh Kumar Ranajit , Associate Professor, Department of Pharmacology ,Vignan institute of Pharmaceutical Technology, Duvvada,Visakhapatnam, A.P, India. The course started on 10.12.2018 with the welcome address by the coordinator Mrs.V.Jhansi Lakshmi and introduced the resource person. It ended on 15.12.2018 with concluding remarks by the resource person. A total of 30 students enrolled and 27 students completed the course. The overall feedback from the participants was very good.

Course Objective:

- To disseminate knowledge on 2D – ECHOCARDIOGRAPHY

Course Outcome:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Understand the applications of 2D echocardiography
- Explain the importance of echocardiogram



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Name of the Value added Course: **2D – ECHOCARDIOGRAPHY**

Date: 10.12.2018 to 15.12.2018

Latitude	17.71167 ⁰
Longitude	83.164152 ⁰



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
10.12.2018 10:30-12:30PM 1:30-2:30PM	Introduction to echocardiography Cardiac Anatomy related to echocardiography Basic physics of ultrasound Principles of echocardiography Transducers	3Hrs
11.12.2018 9:30-12:30PM 1:30-4:30PM	Applications of Echocardiography Mitral valve diseases Aortic valve diseases Pulmonary valve diseases Tricuspid valve disease	6Hrs
12.12.2018 13.12.2018 9:30-1:30PM 1:30-6:30PM	Why and how echocardiography Performed Assessment of LV function and mass Assessment of Pulmonary pressure Assessment of pulmonary artery systolic pressure Assessment of MPAP	9Hrs
14.12.2018 15.12.2018 9:30-12:30PM 01:30-04:30 PM	What do echocardiography results Indicate Two-dimensional and Motion-mode echocardiography Principles of Doppler Echocardiography Continuous Wave vs Pulsed wave Doppler echo Color Doppler Echocardiography	12Hrs
Total		30Hrs

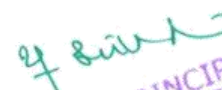

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VALUE ADDED COURSE
on
THE DESIGN OF TUMOR – INHIBITORY ALKYLATING
DRUGS
SUMMARY REPORT

A Value Added Course for B.Pharmacy 2nd Year Students was organized by the Department of Pharmaceutical Chemistry at Vignan institute of Pharmaceutical Technology from 10th Dec 2018 to 15th Dec 2018. The course was conducted on "*The Design of Tumor – Inhibitory Alkylating drug*". The resource person for the course is **Dr. Y. Rajendra prasad**, Department of Pharmaceutical Chemistry, Andhra university College of Pharmaceutical Sciences, Visakhapatnam, A.P, India. The course started on 10th Dec 2018 with the welcome address by the coordinator **Dr. K.Purna Naga Sree**, Associate Professor, VIPT and introduced the resource person. It ended on 15th Dec 2018 with concluding remarks by the resource person. A total of 28 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective:

This course will make the student aware of design of tumour Inhibitory, Naturally occurring compounds and Analogs as carriers of alkylating agents.

Course Outcomes:

Upon completion of the course:

- Understand the importance of alkylating agents .
- Explain Naturally occurring compounds and Analogs as carriers of Alkylating Groups.
- Analyze the compounds Designed for Intra arterial Infusion.



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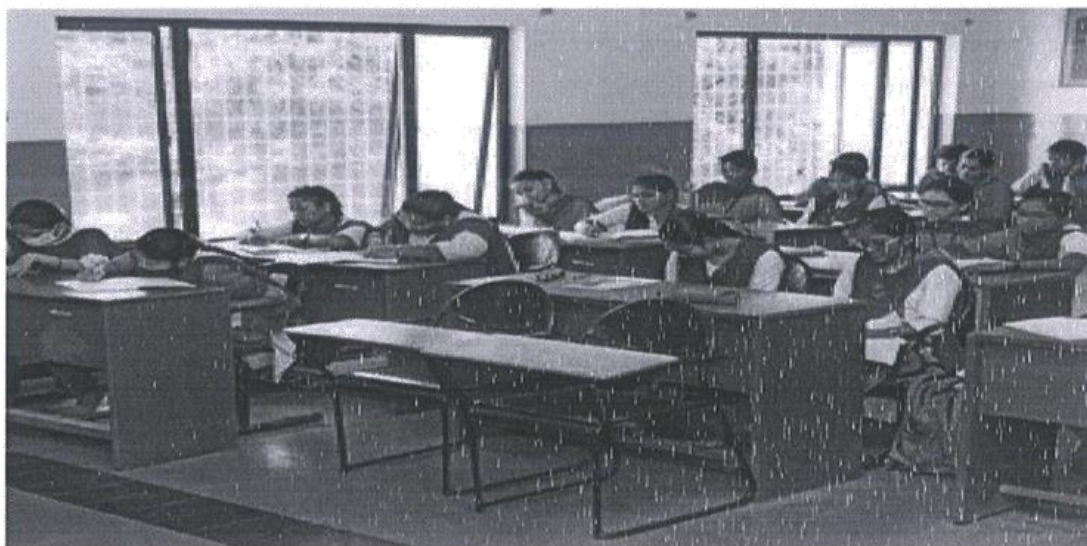
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Name of the Value added Course: **The Design of Tumor – Inhibitory Alkylating drug**

Date: 10th to 15th Dec 2018

Latitude 17.711839⁰

Longitude 83.164099⁰



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PROGRAM SCHEDULE


Date& Time	Topic	No. of Hrs
10 th Dec 2018 1.00PM-6.00PM	Introduction, Types of alkylating agents	5
11 th Dec 2018 1.00PM-6.00PM	Sites of Reaction and correlation with Biologic effects, General structural considerations	5
12 th Dec 2018 1.00PM-6.00PM	Number of Reactive centres , Naturally occurring compounds and Analogs as carriers of Alkylating Groups	5
13 th Dec 2018 1.00PM-6.00PM	Dual Antagonists, Alkylating Agents capable of Being Activated (or) Potentiated	5
14 th Dec 2018 1.00PM-6.00PM	The Application of pH Differences on alkylating agents	5
15 th Dec 2018 1.00PM-6.00PM	Compounds Designed for Intra arterial Infusion	5
Total		30


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VALUE ADDED COURSE on MICROBES AS FUNCTIONAL FOODS AND NEUTRACEUTICALS SUMMARY REPORT

A Value Added Course for B. Pharmacy Students organized by the Department of Pharmaceutics at Vignan Institute of Pharmaceutical Technology from 26th November to 01th December 2018. The course was conducted on “Microbes as Functional Foods and Neutraceuticals”. The resource person for the course is **Mr. B. Rama Rao, Assistant Professor**, Vignan Institute of Pharmaceutical Technology, Andhra Pradesh. The course started on 26th November, 2018 with the welcome address by the coordinator **Dr. S. Satya Lakshmi, VIPT**. It ended on 01th December, 2018 with concluding remarks by the resource person. A total of 27 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives: This course will make the students aware of methods to produce functional foods and neutraceuticals from microorganisms. They can understand the mechanisms of action of novel neutraceutical compounds. They can learn the qualitative aspects related to microbial functional foods. Finally they acquire information about the potential applications of neutraceuticals.

Course Outcomes:

Upon completion of the course:

1. Understand the properties of microorganisms to act as functional foods and neutraceuticals.
2. Explain the mechanism of action of novel neutraceutical compounds.
3. Identify the methods to formulate functional foods.
4. Discuss the applications of microbial functional foods and neutraceuticals.



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Name of the Value added Course: **Microbes as Functional Foods and Neutraceuticals**

Date: 26th to 01th December 2018

Latitude	17.71174°
Longitude	83.164131°



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
26 th November 2018 01:00PM to 06:00PM	Introduction of Neutraceuticals	5
27 th November 2018 01:00PM to 06:00PM	Properties of organisms	5
28 th November 2018 01:00PM to 06:00PM	Methods to production from various microbial Sources	5
29 th November 2018 01:00PM to 06:00PM	Methods to production from various microbial Sources	5
30 th November 2018 01:00PM to 06:00PM	Mechanism of action	5
01 th December 2018 01:00PM to 06:00PM	Applications	5
Total		30 Hours

S. Satyalakshmi
CO-ORDINATOR



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VALUE-ADDED COURSE on FUNCTIONAL FOODS AND NEUTRACEUTICALS SUMMARY REPORT

A Value-Added Course for B.Pharmacy 3rd Year Students was organized by the Department of Pharmacognosy and Phytochemistry at Vignan Institute of Pharmaceutical Technology from 26th November 2018 to 01st December 2018. The course was conducted on “**Functional Foods and Nutraceuticals**”. The resource person for the course is **Dr P. Balakrishnaiah**, Associate Professor, Vignan Institute of Pharmaceutical Technology. He has experience to train students and industrial persons in **Functional Foods and Nutraceuticals**. The course started on 26th November 2018 with the welcome address by the coordinator and introductory remarks by the Coordinator **Ms. T. Satya Lakshmi**, VIPT. It ended on 01st December, 2018 with concluding remarks by the resource person. A total of 29 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective: Functional foods are the foods that are thought to provide benefits beyond basic nutrition and may play a role in reducing or minimizing the risk of certain diseases and other health conditions. Research has demonstrated that there are many potential health benefits from food components and that, nutrition plays a crucial role in the prevention of chronic diseases, as most of them can be related to diet. Studies have pointed out that not only pre- and probiotics, but also single micronutrients incorporated into functional foods contribute to an enhancement of immune competence.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Understand the importance of food and food supplements in preventing diseases.
- Explain the role of nutraceuticals in enhancement of Immune resistance.
- Explore various sources to prevent chronic life style diseases



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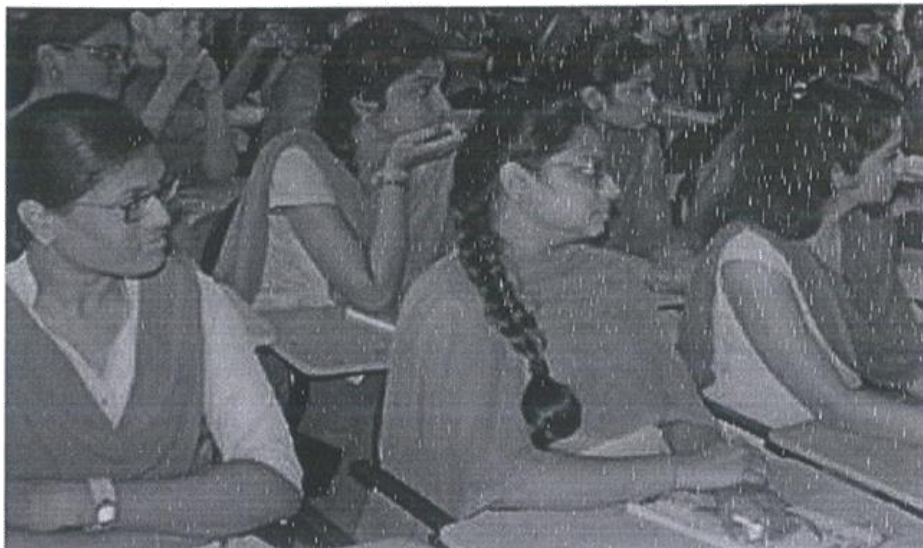
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Name of the Value added Course: **Functional Foods and Nutraceuticals**
Date: **26th November to 01st December 2018**

Latitude 17.711543°

Longitude 83.164228°



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
26 th November 2018 01:00 to 06:00PM	Food and Health	5 Hrs
27 th November 2018 01:00 to 06:00PM	Role of Nutraceuticals	5 Hrs
28 th November 2018 01:00 to 06:00PM	Nutraceuticals in the management of lifestyle disorders	5 Hrs
29 th November 2018 01:00 to 06:00PM	Applications of Nutraceuticals	5 Hrs
30 th November 2018 01:00 to 06:00PM	Nutraceuticals in Indian Marketing	5 Hrs
01 st December 2018 01:00 to 06:00PM	Future Prospects	5 Hrs
Total		30 Hrs

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VALUE-ADDED COURSE

on

Pharmacokinetics and Pharmacodynamics – A Pharmacognosy Perspective

SUMMARY REPORT

A Value-Added Course for B.Pharmacy 3rd Year Students was organized by the Department of Pharmacognosy and Phytochemistry at Vignan Institute of Pharmaceutical Technology from 26th November 2018 to 01st December 2018. The course was conducted on “**Pharmacokinetics and Pharmacodynamics – A Pharmacognosy Perspective**”. The resource person for the course is **Mrs D.Aruna Kumari**, Associate professor, **Viswanadha Institute of Pharmaceutical Sciences**. She has experience to train students and industrial persons in Pharmacokinetics and Pharmacodynamics – A Pharmacognosy Perspective. The course started on 26th November 2018 with the welcome address by the coordinator and introductory remarks by the Coordinator **Mrs. Gana Manjusha K**, Assistant Professor, VIPT. It ended on 01st December 2018 with concluding remarks by the resources person. A total of 29 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective: This course will help students understand the concept of absorption, distribution, metabolism, excretion and pharmacodynamics, Understand the importance of adverse drug events, adverse drug reactions, and drug targets and Polypharmacy.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Understand primary pharmacokinetic parameters clearance, apparent VD, and bioavailability, as well as the secondary parameters elimination half-life, T_{max} and C_{max}.
- Discuss the impact of adverse drug reactions and the need for pharmacovigilance.
- Discuss the importance of drug_drug and drug_herb interactions.
- Describe the basic and molecular basis for drug and drug target interactions.
- Identify the mechanisms for cellular effects of the drug-receptor interaction



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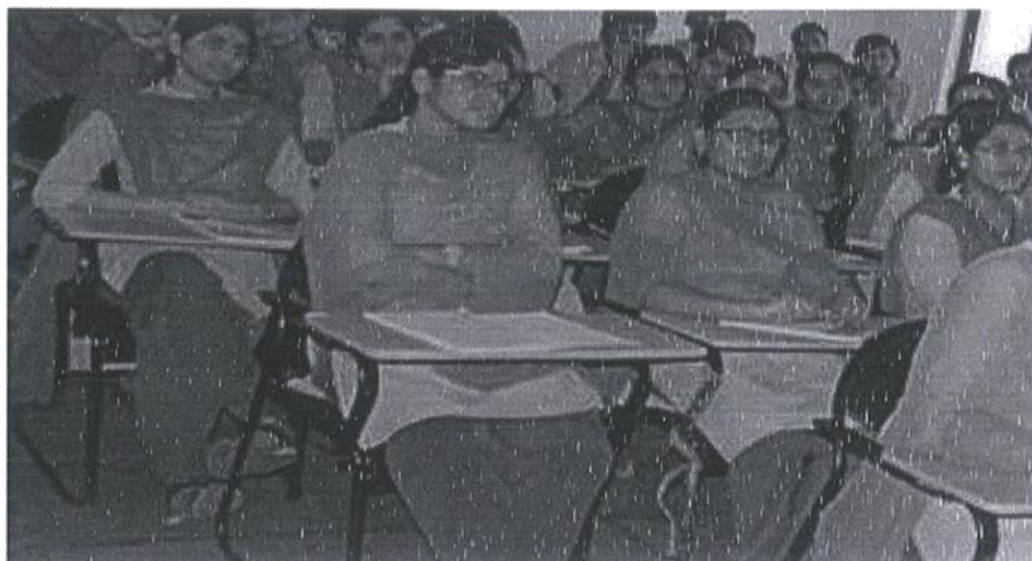
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Name of the Value added Course: **Pharmacokinetics and Pharmacodynamics – A Pharmacognosy Perspective**

Date: **26th November to 01st December 2018**

Latitude	17.711543°
Longitude	83.164228°



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
26 th November 2018 01:00 to 06:00PM	Absorption, Distribution, Metabolism, and Excretion	5
27 th November 2018 01:00 to 06:00PM	Determination of Pharmacokinetic Parameters	5
28 th November 2018 01:00 to 06:00PM	Pharmacokinetics and Drug Interactions	5
29 th November 2018 01:00 to 06:00PM	The Impact of ADRs	5
30 th November 2018 01:00 to 06:00PM	The Assessment of ADRs—Severity and Seriousness	5
01 st December 2018 01:00 to 06:00PM	Polypharmacy, Pharmacodynamics and Drug Interactions	5
Total		30

Gana K...
CO-ORDINATOR



G. Srinivas
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VALUE ADDED COURSE on CURRENT REGULATORY REQUIREMENTS FOR CONDUCTING CLINICAL TRIALS IN INDIA

SUMMARY REPORT

A Value added course for B.Pharmacy 4th Year Students was organized by the Department of Pharmaceutical Analysis at Vignan Institute of Pharmaceutical Technology from 18.06.2018 to 25.06.2018. The course was conducted on "*Current Regulatory Requirements for Conducting Clinical Trials in India*". The resource person for the course is **Dr. P. V. Madhavi Latha**, Associate Professor, Department of Pharmaceutical Analysis, VITAM College, Visakhapatnam, A.P, India. The course started on 18th June, 2018 with the welcome address by the co-ordinator **Dr. P. Chiranjeevi**, Associate Professor, VIPT and introduced the resource person. It ended on 25th June, 2018 with concluding remarks by the resource person. A total of 24 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

To train the students carrying out a clinical trial or involved in new drug development or research for the purpose of seeking regulatory approval in India to know about the current regulatory requirements. Certification will be provided after successful completion of the course.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Current New Drugs and Clinical Trials Rules for conducting clinical trials of the new drug or investigational new drug (IND) to be manufactured or imported in India
- Essential documents required for the conduct and approval of clinical trials, new drug/IND
- Essence and purpose of important trial-related guidelines, such as Good Clinical Practice (GCP), national ethical guidelines for biomedical & health research for human participants (2017), etc



Dr. P. V. Madhavi Latha
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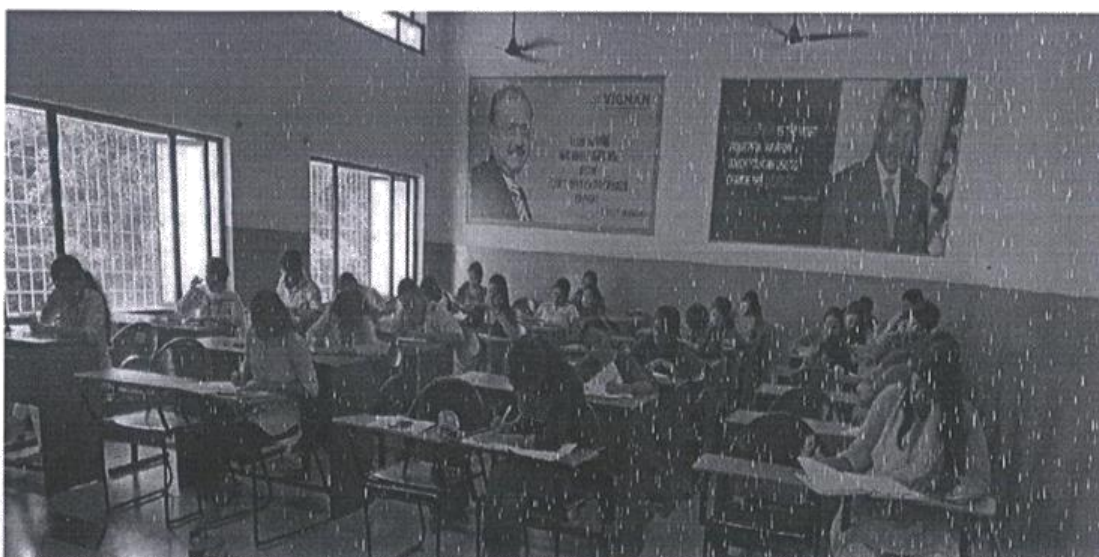
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Name of the Value added Course: **Current Regulatory Requirements for Conducting Clinical Trials in India**

Date: 18.06.2018 to 25.06.2018.

Latitude

17.711716°

Longitude

83.164142°



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
18.06.18 9:30-12.30 PM & 2:00-4:00 PM	Overview of Drugs & Cosmetics Act and Rules thereunder , Overview of New Drug and Clinical Trials Rules, 2019	5
19.06.18 9:30-12.30 PM & 2:00-4:00 PM	Phases of Clinical Trial, Forms, and Fees, Regulatory Pathway and Data Requirements for NDCT, 2019	5
20.06.18 9:30-12.30 PM & 2:00-4:00 PM	Guidelines to Conduct BA/BE Studies, Ethics Committee Registration and Re-Registration	5
21.06.18 9:30-12.30 PM & 2:00-4:00 PM	Requirements for Import/Manufacture of New Drug/IND for Conducting Clinical Trials in India	5
22.06.18 9:30-12.30 PM & 2:00-4:00 PM	Clinical Trial Related Guidelines (NDCT Rules), Content of Proposed Clinical Trial Protocol, Post Marketing Assessment and Clinical Trial Compensation	5
23.06.18 9:30-12.30 PM & 2:00-4:00 PM	Common Observations During Submission of CT/BA/BE Protocol, Drug Development Process: Overview	5
25.06.18 9:30-12.30 PM & 2:00-4:00 PM	Salient Feature of NDCT 2019 (What's New In NDCT?), Online Submission (SUGAM), Online Submission (CTRI)	5
Total		35

CO - ORDINATOR



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VALUE-ADDED COURSE
on
HPLC METHOD DEVELOPMENT IN PHARMACEUTICAL INDUSTRY
SUMMARY REPORT

A Value-Added Course for B. Pharmacy 4th Year Students was organized by the Department of Pharmaceutical analysis at Vignan institute of pharmaceutical technology 18-06-18 to 23-06-18. The course was conducted on **"HPLC Method Development in Pharmaceutical Industry"**. The resource person for the course is **Dr. T. Hemant Kumar**, Associate Professor, Vignan Institute of Pharmaceutical Technology, Visakhapatnam, Andhra Pradesh. The course started on 18.06.18 with the welcome address by the coordinator and introductory remarks **Mr. K. Vara Prasada Rao**, Vignan Institute of Pharmaceutical Technology, Visakhapatnam. It ended on 23-06-18 with concluding remarks by the resource person. A total of 23 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective: To train the students in skills required for method development of High Performance of Liquid Chromatography and certification will be provided after successful completion.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Understand the principles of Chromatographic Separation.
- Develop Analytical Skills.
- Perform quantitative and qualitative analysis of drugs using various analytical Instruments.
- Validation of Developed Analytical Method.



Dr. R. Srinivas

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Name of the Value added Course: **HPLC Method Development in Pharmaceutical Industry**

Date: 18-06-18 to 23-06-18

Latitude	17.71189°
Longitude	83.164138°

Principals

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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
18.06.2018 1:00 PM to 6:00PM	Basis of Separation Isocratic Elution gradient Elution	5
19.06.2018 1:00 PM to 5:00PM	Sample Preparation Ionic samples Non ionic samples	5
20.06.2018 1:00 PM to 5:00PM	Method Development Reverse Phase HPLC Normal Phase HPLC	5
21.06.2018 1:00 PM to 5:00PM	Buffer Effect Phosphate, Acetate and TEA Buffers	5
22.06.2018 1:00 PM to 5:00PM	Detection Sensitivity and Selectivity UV detector Photodiode detector	5
23.06.2018 1:00 PM to 6:00PM	Method Validation Precision, Accuracy, Linearity, Robustness etc.	5
Total		30Hrs



CO-ORDINATOR




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VALUE ADDED COURSE
on
PEPTIDOMIMETICS FOR DRUG DESIGN

SUMMARY REPORT

A Value Added Course for B.Pharmacy 4th Year Students was organized by the Department of Pharmaceutical Chemistry at Vignan institute of Pharmaceutical Technology from 18th June 2018 to 23rd June 2018. The course was conducted on “**PEPTIDOMIMETICS FOR DRUG DESIGN** “. The resource person for the course is **Dr. Y. Rajendra prasad**, Professor Department of Pharmaceutical Chemistry, Andhra university College of Pharmaceutical Sciences, Visakhapatnam, A.P, India. The course started on 18th June 2018 with the welcome address by the coordinator **Dr. K. Purna Naga Sree**, Associate Professor, VIPT and introduced the resource person. It ended on 23rd June 2018. with concluding remarks by the resource person. A total of 24 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective:

This course will summarize the all aspects related to peptidomimetics template mimetics, Peptidomimetic research, Peptide bond Isosteres

Course Outcomes:

Upon completion of the course:

1. Understand the basic concepts and principles of protein biosynthesis.
2. Apply the principles in the design of various agents for the treatment of diseases.
3. Explain Inhibitors of protein synthesis.



Y. Rajendra
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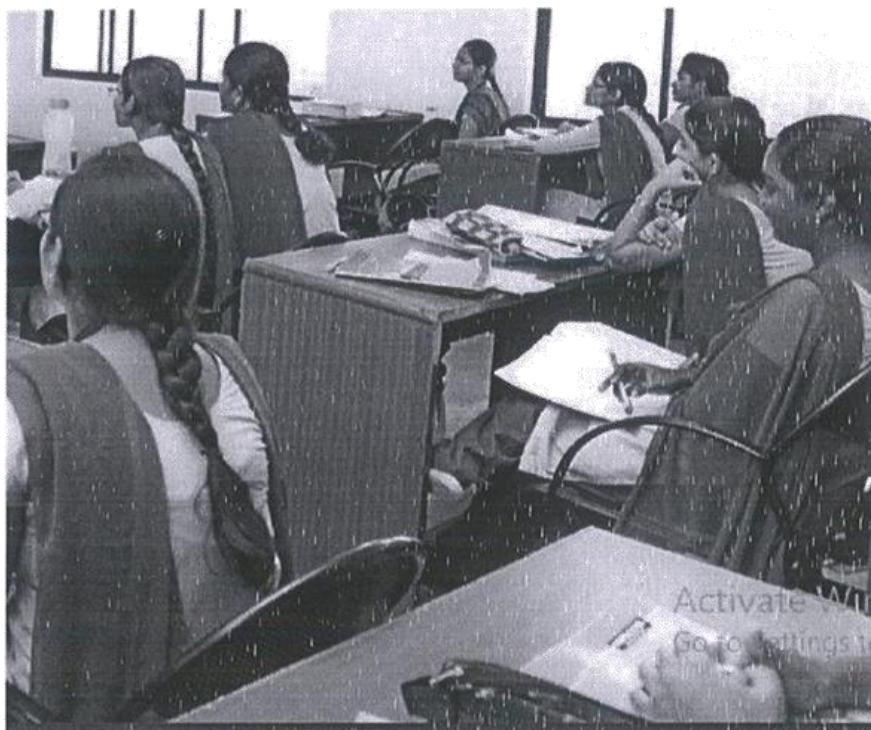
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Vignan Institute of Pharmaceutical Technology, Kapujaggarajupeta,
Vishakapatnam , 530049

Latitude	17.711859 ⁰
Longitude	83.164099 ⁰



27.05.2023
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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hrs
18.06.2018 1.00PM-6.00PM	Introduction, Classification of Peptidomimetics	5
19.06.2018 1.00PM-6.00PM	Design of Conformationally Restricted Peptides	5
20.06.2018 1.00PM-6.00PM	Template mimetics, Peptide Bond Isosteres	5
21.06.2018 1.00PM-6.00PM	From transition state Analog Inhibitors to Non Peptide Inhibitors : Examples in Protease Inhibitors	5
22.06.2018 1.00PM-6.00PM	Speeding up Peptidomimetic Research ,Toward Rational Drug Design : Discovery of Novel Non-Peptide Peptidomimetics	5
23.06.2018 1.00PM-6.00PM	Historical Development of Important Non Peptide Peptidomimetics	5
Total		30

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VALUE-ADDED COURSE on Molecular diagnostics of infectious diseases

SUMMARY REPORT

A Value-Added Course for B.Pharmacy I Year was organized by the Department of Pharmacology at Vignan institute of Pharmaceutical Technology from 18th June to 25th June 2018. The course was conducted on "*Molecular diagnostics of infectious diseases*". The resource person for the course is **Dr.R.Kiran, MBBS, Radiology, Vishakapatnam**. The course started on 18th June 2018 with the welcome address by the coordinator **Dr. K. Rajkiran, Professor, VIPT** who introduced the resource person. It ended on 25th June 2018 with concluding remarks by the resource person. A total of 24 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives:

- This course will help students to understand the concepts of applicability of testing to various sample types including body fluids, lymph node and spleen;
- To understand electrophoretic separation of DNA fragments, the principles of Southern blotting, DNA sequencing and gain basic experience with PCR and gene expression microarrays.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Acquire in-depth knowledge and understand the concepts of emerging and modern molecular technologies for infectious diseases diagnostics.
- Understand principles and opportunities arising from emerging technologies for next generation diagnostics.
- Apply knowledge of molecular diagnostics in the design, appraisal, and development of protocols in the diagnosis of infection.
- Explain the key quality assurance, quality control, and regulatory issues that relate to molecular diagnostics of infection.
- Acquire skills in using scientific literature, critical appraisal and generation of written material to professional standard
- Minimize risks of failure during drug development and post-marketing phases due to undesirable pharmacodynamic effects.



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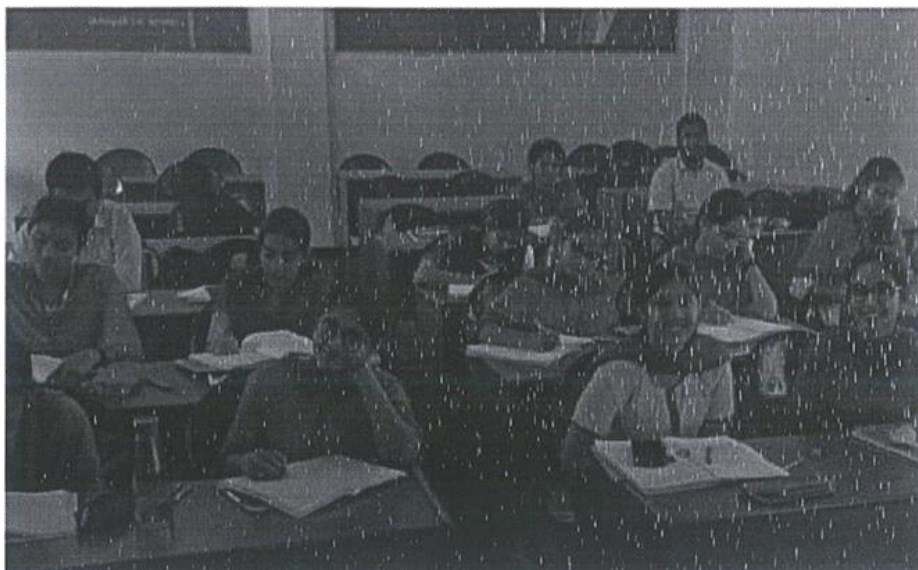
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Visakhapatnam, Andhra Pradesh 530049

Latitude	17.71178°
Longitude	83.164147°



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
18 th June 2018 1.00PM-3.00PM	Introduction to Epidemiology	2
19 th June 2018 1.00PM-6.00PM	Concepts of Bacteriology and Mycology	4
20 th June 2018 1.00PM-5.00PM	General Pathology	4
21 st June 2018 1.00PM-6.00PM	Advanced Epidemiology	5
22 nd June 2018 1.00PM-6.00PM	Systemic and Surgical Pathology	5
23 rd June 2018 1.00PM-6.00PM	Bacterial Pathogenesis and Host response	5
25 th June 2018 1.00PM-6.00PM	Advanced Topics in Comparative Pathology	5
Total		30 Hrs



CO-ORDINATOR




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Add on Course on Interpretation of Vital Signs SUMMARY REPORT

A Value-Added Course for Pharm.D 1st Year Students was organized by the Department of Pharmacy Practice at Vignan institute of pharmaceutical technology 04th to 11th august 2018. The course was conducted on “**INTERPRETATION OF VITAL SIGNS**”. The resource person for the course is **Dr. Wasim Feroz**, Assistant Professor, Vignan Institute Of Pharmaceutical Technology, Visakhapatnam, Andhra Pradesh. The course started on **04-08-2018** with the welcome address by the coordinator and introductory remarks by the **Head of the Department - Dr. K. Rajkiran** and the resource person. It ended on **11-08-2018** with concluding remarks by the resource person. A total of 19 students participated and completed the course. The overall feedback from the participants was very good.

Course Objectives: The purpose of this course to demonstrate appropriate techniques for measuring vital signs in yourself and others for clinical evaluation of patients.

Course Outcomes:

Upon completion of the course:

1. Assessment of vital signs by clinicians.
2. Summarize Better understanding of systolic and diastolic blood pressure, mean arterial pressure, and assessing blood pressure accurately.
3. Explore the neurological pathways associated with pain, and the difference between pain tolerance and pain threshold.



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PHOTOGRAPH:



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
04-08-2018 11AM to 1:00PM & 02:00 to 05:00PM	Introduction to vital signs Clinical significance, major abbreviations and definitions, variations in vital signs.	05
05-08-2018 11AM to 1:00PM & 02:00 to 05:00PM	Interpretation of Pulse/Heart Rate Definitions, normal values, tachycardia, bradycardia, measurement techniques, interpretation.	05
06-08-2018 11AM to 1:00PM & 02:00 to 05:00PM	Interpretation of Blood Pressure Blood pressure definition, normal ranges, instruments, measurement techniques, hypertension, hypotension, disorders.	05
07-08-2018 11AM to 1:00PM & 02:00 to 05:00PM	Interpretation of Metabolism Definition, disorders, complete blood picture, lipid profile tests, kidney function tests and interpretation.	05
08-08-2018 11AM to 1:00PM & 02:00 to 05:00PM	Interpretation of Temperature Definition, different homeostatic mechanisms, hyperthermia, hypothermia, disorders and interpretation.	05
10-08-2018 11AM to 1:00PM & 02:00 to 05:00PM	Interpretation of Respiration Rate Definition, respiratory capacities, instruments, pulmonary function tests and interpretation.	05
11-08-2018 11AM to 1:00PM & 02:00 to 05:00PM	Interpretation of Pain Pain pathways, definition of pain, pain assessment scales and interpretation	05
TOTAL		35Hrs


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ValueAdded Course on MEDICAL TERMINOLOGIES SUMMARY REPORT

A Value-Added Course for Pharm.D2nd Year Students was organized by the Department of Pharmacy Practice at VignanInstitute Of Pharmaceutical Technology 17th July 2018 TO 25th July 2018 . The course was conducted on “**MEDICAL TERMINOLOGIES**”. The resource person for the course is **Dr. Wasim Feroz**, Assistant Professor, Vignan Institute Of Pharmaceutical Technology, Visakhapatnam, Andhra Pradesh. The course started on : **17-07-2018** with the welcome address by the coordinator and introductory remarks by the **Head of the Department Dr. K. Raj kiran** and the resource person. It ended on **25-07-2018** with concluding remarks by the resource person. A total of 24 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective: This course will lay the foundation for Medical Terminologies and help students to develop basic vocabulary of medical terms and abbreviations.

OUTCOMES OF THE COURSE:

At the end of the course the students will be able to:

- Identify and define prefixes, roots, and suffixes in order to combine forms of terminology.
- Identify major body structure and functions that reinforces knowledge of basic anatomy and physiology.
- It helps you learn the proper terminology for major diseases and pathological conditions as well as each system of the body.
- Develop basic vocabulary of medical terms and abbreviations.



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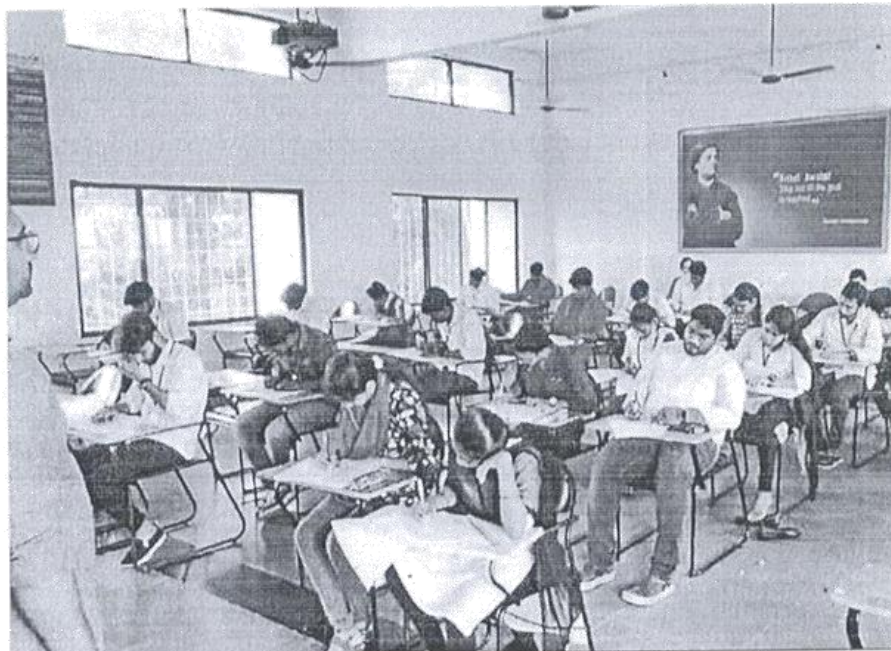
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PHOTOGRAPH:



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
17-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Medical terminologies Introduction to different medical terminologies , applications,basic abbreviations and terms used.	5
18-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Medical language and records Case profile forms,patient profile forms,data collection forms,adverse reaction reporting forms,terms and structure.	5
19-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Integumentary system Basic definitions in integumentary system,terminologies,tests,investigations,clinical manifestations.	5
20-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Musculoskeletal system Basic definitions in Musculoskeletal system ,terminologies,tests,investigations,clinical manifestations.	5
21-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Cardiovascular system Basic definitions in Cardiovascular system ,terminologies,tests,investigations,clinical manifestations.	5
23-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Urinary system Basic definitions in Urinary system ,terminologies,tests,investigations,clinical manifestations.	5
25-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Conclusion and Course final assessment Application of different medical terms and assessment.	5



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Total		35Hrs

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Value Added Course on PREVENTIVE AND SOCIAL MEDICINE SUMMARY REPORT

A Value Added Course for Pharm.D 3rd Year Students was organized by the Department of Pharmacy Practice at Vignan institute of pharmaceutical technology 19th June 2018 to 26th June 2018. The course was conducted on **PREVENTIVE AND SOCIAL MEDICINE**. The resource person for the course is **Mr.P.Srinu**, Assistant Professor, Vignan Institute Of Pharmaceutical Technology, Visakhapatnam, Andhra Pradesh. The course started on : **19-06-2018** with the welcome address by the coordinator and introductory remarks by convenor and the resource person. It ended on **26-06-2018** with concluding remarks by the resource person. A total of 25 students participated and completed the course. The overall feedback from the participants was very good.

COURSE OBJECTIVE:

- Explain the principles of sociology including demographic population dynamics.
- Identify social factors related to health, disease and disability in the context of urban and rural societies.
- Appreciate the impact of urbanization on health and disease.
- Observe and interpret the dynamic of community behaviours.
- Observe the principles of practice of medicine in hospital and community settings.
- Describe the National Health Programmes with particular emphasis on maternal and child health programmes, family welfare planning and population control.



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OUTCOMES OF THE COURSE:

At the end of the course the students will be able to:

- Recognize the concepts and evaluation of public health.
- Relate food to nutrition health, balanced diet, deficiencies and its prevention.
- Illustrate socio cultural factors and its relation with health.
- Identify avoidable habits for personal hygiene and health.
- Explain the principles on the prevention and control of communicable and non-communicable diseases.



G. Ramesh
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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
19-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	History of public health and social preventive and social medicine HIV AND AIDS control programme, TB, Integrated disease surveillance program(IDSP), National leprosy control programme,.	5
20-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Core concept in public health Definition, concepts and evaluation of public health. Understanding the concept of prevention and control of disease, social causes of diseases and social problems of the sick	5
21-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Community medicine Community services in rural, urban and school health: Functions of PHC, Improvement in rural sanitation, national urban health mission, Health promotion and education in school.	5
22-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Nutrition Food in relation to nutrition and health, Balanced diet, Nutritional deficiencies, Vitamin deficiencies, Malnutrition and its prevention	5
23-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Environmental sanitation Housing Environment, Water Quality and Health, The Role of Waste Management, Eating Place Environment and Health, Global Environmental Problems and the Effects	5
25-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Communicable diseases General principles of prevention and control of diseases such as cholera, SARS, Ebola virus, influenza, acute respiratory infections, malaria, chikungunya, dengue, lymphatic filariasis, pneumonia	5
26-06-2018 11AM to 1:00PM &	Non- communicable and lifestyle diseases	5



4 June 2018
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02:00 to 05:00PM		
	Total	35Hrs

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CO-ORDINATOR

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Value Added Course on EVIDENCE BASED TOXICOLOGY

SUMMARY REPORT

A Value-Added Course for Pharm.D 4th Year Students was organized by the Department of Pharmacy Practice at Vignan institute of pharmaceutical technology 25th June 2018 to 2nd July 2018. The course was conducted on “Evidence Based Toxicology”. The resource person for the course is **Dr.P.Swathi**. The course started on : **25-06-2018**. It ended on **02-07-2018** with concluding remarks by the resource person. A total of 28 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective:

- This course will showcase these emerging efforts and address opportunities and challenges to the expanded use of these tools within toxicology.
- This course provides transparent, objective, and consistent tools to identify, select, appraise, and extract evidence across studies.
- To teach students about possible biases that can be introduced at different stages of research.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Emerging efforts and address opportunities and challenges to the expanded use of these tools within toxicology are understood by the student.
- Possible biases that can be introduced at various stages of research were taught to the students.



Dr. Swathi

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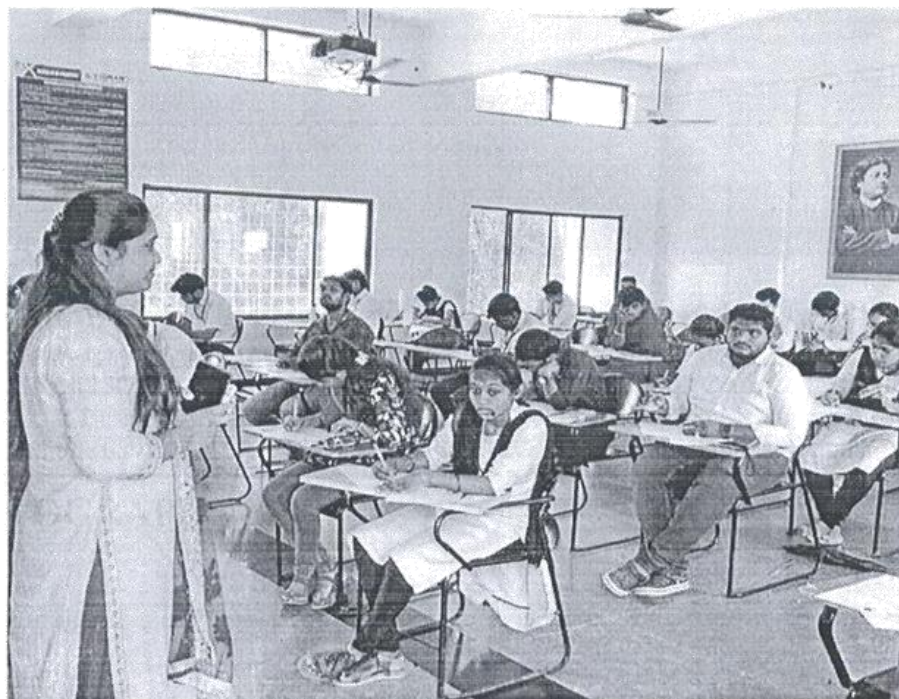
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PHOTOGRAPH:



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Latitude 17.711645⁰

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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
25-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Introduction. Toxicology definitions, branches of toxicology, evidence based decision making .	5
26-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Shortcomings of Current Approaches. Outcomes of current decision making approaches, credibility of evidences.	5
27-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	History and Causation. Evolution of decision making, case studies on different incidents involving toxicological evidences, types of evidences , classification of evidences, pico format.	5
28-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Systematic Review and Meta-Analysis. Systematic review introduction, methodology , need for systematic reviews, Meta analysis methodology and need for meta analysis.	5
29-06-2018 11AM to 1:00PM & 02:00 to 05:00PM	Risk Of Bias and Application to Test Methods Comparison. Various statistical approaches in researches, comparison of different test methods used and choice of tests .	5
01-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Quality assurance, Good Practices and Validation. Various quality assurance methods, good clinical practices guidelines and validation of data and methods.	5
02-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Biometrical Tools and Future Perspective. Significance of evidence based decision making in toxicology and medicine, different databases used in evidence based toxicology and assessment.	5
Total		35Hrs

S. S. S.
CO-ORDINATOR



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Value Added Course

on

INTERPRETATION OF CLINICAL TRIALS

SUMMARY REPORT

A Value-Added Course for Pharm.D 5th Year Students was organized by the Department of Pharmacy Practice at Vignan institute of pharmaceutical technology 04th July 2018 to 11th July 2018. The course was conducted on “**INTERPRETATION OF CLINICAL TRIALS**”. The resource person for the course is Mr.M.Vinod Kumar, Assistant Professor, Vignan Institute Of Pharmaceutical Technology, Visakhapatnam, Andhra Pradesh. The course started on : **04-07-2018** with the welcome address by the coordinator. It ended on **11-07-2018** with concluding remarks by the resource person. A total of 24 students participated and completed the course. The overall feedback from the participants was very good.

- **Course Objective:** This course will provide insight into the use of health care data including an overview of best practices and the practical realities of obtaining useful information from digital health systems via the understanding of the fundamental concepts of health data analytics.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- The course will explain the basic principles for design of randomized clinical trials and how they should be reported.
- Students will be introduced to terminology used in clinical trials and the several common designs used for clinical trials, such as parallel and cross-over designs .
- This provides details in Rationale for Randomization, key issue in the field of clinical trials, the ethics of experimentation in humans.
- This provides detail procedures in reporting results of clinical trials in publications, and covers the consolidated standards of Reporting trials guidelines .
- This course will enlighten the students approach in dealing with interpretation in clinical trials.



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PHOTOGRAPH:



Vignan Institute of Pharmaceutical Technology, Duvvada, Visakhapatnam, Andhra Pradesh 530049

Latitude	17.711645 ⁰
Longitude	83.164108 ⁰



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
04-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Types of Trial Designs Different trials designs, methods, differences between various designs, observational, interventional studies.	05
05-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Randomization and Masking Randomization methods, single blinded, double blinded randomized control methods, masking methodologies and sampling methods.	05
06-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Outcomes and Analysis Outcomes of trial interpretation, data collection, results interpretation and representation of results.	05
07-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Ethics Ethical committee guidelines, ethical procedures involved, ethical committee composition, protocol writing and protocol interpretation.	05
08-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Reporting Results Results, presentations, graphs, charts, datasets, interpretation of results, various methods of reporting results.	05
09-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Randomized Clinical Trials Randomization, methods, basic methodology, different case studies involved of rcts.	05
11-07-2018 11AM to 1:00PM & 02:00 to 05:00PM	Conclusion and Summative Assessment - Systematic Review	05
Total		35Hrs


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VALUE ADDED COURSE on PHARMACEUTICAL MANUFACTURING AND EMERGING TECHNOLOGIES SUMMARY REPORT

A Value Added Course for 1st Year Students of M. Pharmacy was organized by the Department of Pharmaceutics at Vignan Institute Of Pharmaceutical Technology from 10th to 18th september 2018. The course was conducted on "**Pharmaceutical manufacturing and emerging technologies**". The resource person for the course is **Dr. J. Vijaya Ratna**, Professor, Andhra University. The course started on 10th September 2018 with the welcome address by the coordinator and introductory remarks by the head of the Department **Dr P.V. Kamala Kumari** and the resource person. It ended on 18th September 2018 with concluding remarks by the resources person. A total of 14 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective:

This course enables the student to know about Pharmaceutical manufacturing and emerging technologies

Course Outcomes:

Upon completion of the course, the student will be able to learn the following outcomes:

- Process understanding
- Production planning
- Continuous manufacturing
- Investment planning



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
10 th September 2018 01:00 to 06:00PM	Challenges for pharmaceutical manufacturing Definition, types of manufacturing methods , Production problems, General considerations, advantages	5
11 th September 2018 01:00 to 06:00PM	Fundamental tools for increased process understanding, Risk management Risk register, Root cause analysis, Risk data quality assessment	5
12 th September 2018 01:00 to 06:00PM	Design of experiment, Mechanistic process modelling Factorial designs, fractional factorial designs, Levels and factors in designs	5
14 th September 2018 01:00 to 06:00PM	Fluidic systems and multiple flows, Particle based systems Study of various factors that affect flow, Unit operations, Flow parameters	5
15 th September 2018 01:00 to 06:00PM	Production planning and scheduling Forecast the demand of your product, determine potential options for production	5
17 th September 2018 01:00 to 06:00PM	Capacity and investment planning The option for production that use the combination of resources more effectively, monitor and control	5
18 th September 2018 01:00 to 06:00 PM	Technologies for continuous drug product manufacturing Steps towards continuous manufacturing, recent advances, crystallization, filtration, powder blending, tableting	5
Total		35

P.V. *[Signature]*
CO-ORDINATOR



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VALUE-ADDED COURSE

on

“Change Control in Pharmaceutical Industry”

SUMMARY REPORT

A Value-Added Course for M. Pharmacy 1st Year Students was organized by the Department of Pharmaceutical analysis at Vignan institute of pharmaceutical technology 10.09.18 to 18.09.18. The course was conducted on “Change Control in Pharmaceutical Industry”. The resource person for the course is **Mr. K.B.R. Babu**, Asst. Manager, Biophore India Pharmaceuticals, Visakhapatnam, Andhra Pradesh. The course started on 10.09.18 with the welcome address by the coordinator and introductory remarks Asst. Prof. K. Varaprasad Rao, Vignan Institute of Pharmaceutical Technology, Visakhapatnam. It ended on 18.09.18 with concluding remarks by the resource person. A total of 12 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective: To train the students on the change control procedure in Pharmaceutical Industry and certification will be provided after successful completion.

Course Outcomes:

Upon completion of the course, the student will be able to:

- Classify the Types of Changes in Pharmaceutical Industry
- Apply the Intimation & Review process of the Proposed change
- Understand the Approval & Authorization of Change
- Summarize the implementation of change
- Post evaluation and closing of the Change



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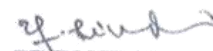
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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
10.09.2018 1:00 PM to 6:00 PM	Types of Changes - Temporary Change - Permanent Change	5 hrs
11.09.2018 1:00 PM to 6:00 PM	- Major Change - Minor change	5 hrs
12.09.2018 1:00 PM to 6:00 PM	Intimation of Change Control	5 hrs
14.09.2018 1:00 PM to 6:00 PM	Review of change	5 hrs
15.09.2018 1:00 PM to 6:00 PM	Approval and Authorization	5 hrs
17.09.2018 1:00 PM to 6:00 PM	Implementation of Change	5 hrs
18.09.2018 1:00 PM to 6:00 PM	Post Evaluation & Closing	5 hrs
Total		35 Hrs

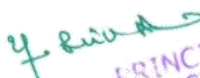

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VALUE-ADDED COURSE

on

Professional ethics in animal handling SUMMARY REPORT

A Value-Added Course for M.Pharmacy I Year Students was organized by the Department of Pharmacology at Vignan institute of Pharmaceutical Technology from 10th September to 19th September 2018. The course was conducted on "Professional ethics in animal handling". The resource person for the course Dr.K.Eswar kumar, Associate Professor, Pharmacology & Toxicology A.U College of pharmaceutical sciences. The course started on 10th September 2018 with the welcome address by the coordinator Dr.K. Rajkiran, Professor, VIPT. It ended on 19th June 2018 with concluding remarks by the resource person. A total of 05 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective:

- This course will help students to understand the concepts of complexities of using animals in research and be able to reframe opinions based on ethical use, legislation and regulation of animals in research;
- To Assess and apply animal ethics legislation, regulation and guidelines in animal research laboratories, agriculture and in the natural environment.

Course Outcomes:

Upon completion of the course, the student will be able to achieve the following outcomes:

- Acquire, care for, use and dispose of animals in compliance with current federal, state and local laws and regulations, and with professional standards.
- Ensure that all individuals under their supervision who are using animals have received instruction in research methods and in the care, maintenance and handling of the species being used, to the extent appropriate to their role.
- Make reasonable efforts to minimize the discomfort, infection, illness and pain of animal subjects.
- Use a procedure subjecting animals to pain, stress or privation only when an alternative procedure is unavailable and the goal is justified by its prospective scientific, educational or applied value.
- Perform surgical procedures under appropriate anesthesia and follow techniques to avoid infection and minimize pain during and after surgery.



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PROGRAM SCHEDULE


Date& Time	Topic	No. of Hours
10 th September 2018 1.00PM-5.00PM	Introduction to different animals and their studies	4
11 th September 2018 1.00PM-5.00PM	Requirements for care and expertise on animals	4
12 th September 2018 1.00PM-5.00PM	Introduction to ethical guidelines CPCSEA and IAEC	4
14 th September 2018 1.00PM-5.00PM	Concepts of OECD guidelines	4
15 th September 2018 1.00PM-5.00PM	Role of animals in drug discovery and development	4
17 th September 2018 1.00PM-5.00PM	Role of animals in disease treatment and Equipments used	4
18 th September 2018 1.00PM-5.00PM	Drug dosage calculations and convert between units	4
19 th September 2018 1.00PM-3.00PM	Drug dosage calculations and convert between units	2
Total		30 Hrs


CO-ORDINATOR




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VALUE-ADDED COURSE

on

Internal Audit in Pharmaceutical Industry

SUMMARY REPORT

A Value-Added Course for M. Pharmacy II/II Year Students was organized by the Department of Pharmaceutical analysis at Vignan institute of pharmaceutical technology 16-07-18 to 23-07-18. The course was conducted on "Internal Audit System in Pharmaceutical Industry". The resource person for the course is **Dr. T. Hemant Kumar**, Associate Professor, Vignan Institute of Pharmaceutical Technology. The introductory remarks were given by the coordinator **Mr. K. Varaprasad Rao, VIPT**. It ended on 23.07.18 with concluding remarks by the resource person. A total of 37 students participated and completed the course. The overall feedback from the participants was very good.

Course Objective: To train the students on Good manufacturing practices according to ICH Q7 guideline by understanding the scope of internal audit in pharmaceutical industry.

Course Outcomes:

Upon completion of the course, the student will be able to:

- 1) Understand the audit process in the Pharmaceutical Industry
- 2) Prepare Audit Schedule
- 3) Evaluate Audit checkpoints in Departments Quality control, production, Warehouse etc.
- 4) Apply Corrective action and Preventive actions



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PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
16.07.2018 9:00 AM to 1:00PM 2:00 PM to 5:00 PM	Preparing the Audit Plan :	7
17.07.2018 9:00 AM to 1:00PM 2:00 PM to 5:00 PM	Selection of Auditors	7
18.07.2018 9:00 AM to 1:00PM 2:00 PM to 5:00 PM	Conducting of Audit	7
19.07.2018 9:00 AM to 1:00PM 2:00 PM to 5:00 PM	Preparation of Audit Report	7
20.07.2018 9:00 AM to 1:00PM 2:00 PM to 5:00 PM	Non conformity Report	7
21.07.2018 9:00 AM to 1:00PM 2:00 PM to 5:00 PM	Corrective Action & Preventive action(CAPA)	7
23.07.2018 10:00 AM to 1:00PM	Closing of Non Compliance	3
Total		45Hrs



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