



## **VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY**

Beside VSEZ, Duvvada, Visakhapatnam-530049

<b>CERTIFICATES (2018-2019)</b>		
<b>S. No</b>	<b>Name of Add on /Certificate programs offered</b>	<b>Page No</b>
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2	Herbal Cosmetics	<a href="#"><u>3</u></a>
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4	Microbial Pathogenicity Mechanisms and Associated	<a href="#"><u>5</u></a>
5	2D echocardiography	<a href="#"><u>6</u></a>
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14	Interpretation of Vital Signs	<a href="#"><u>15</u></a>
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20	Change Control In Pharmaceutical Industry	<a href="#"><u>21</u></a>
21	Professional Ethics in Animal Handling	<a href="#"><u>22</u></a>
22	Internal Audit System in Pharmaceutical Industry	<a href="#"><u>23</u></a>

## TOPICS:

S.no	Topic	Number of hours
1	Lab setup and Working in Lab	5 Hrs
2	Weighing Techniques	5 Hrs
3	Pipetting Techniques	5 Hrs
4	Solid Sample Preparation Techniques	5 Hrs
5	Mobile Phase Preparation	5 Hrs
6	Operation and Calibration of Analytical Balance	5 Hrs
Total hrs		30 hrs

## RESOURCE PERSON

Dr. T. Hemant Kumar  
Vignan Institute of Pharmaceutical Technology



## COORDINATOR

Mr. K. Vara Prasada Rao  
Vignan Institute of Pharmaceutical Technology, Duvvada.

Upon completion of course, the assessment is done by multiple choice questions.

## ABOUT THE INSTITUTION

Vignan Institute of Pharmaceutical technology is one of the constituent colleges of vignan Institutions well known for quality education with GLOBAL STANDARDS AND INDIAN VALUES. VIPT was established in 2006 with a view to provide job oriented professional courses in Pharmacy, VIPT offers B.Pharm., M.Pharm., Pharm.D. programmes. The College is affiliated to the JNTU Kakinada, approved by the All India Council for Technical Education (AICTE), Pharmacy Council of India (PCI), Govt. of Andhra Pradesh. The College is ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified for its safety and waste disposal methods employed. The infrastructure available makes the college a conducive academic learning that provides students with good quality education in a clean, comfortable environment. The college is presently one of the largest graduate, postgraduate and research institutions in Andhra Pradesh imparting quality pharmaceutical education.

## 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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Value Added Course On  
**Analytical Laboratory Skill  
Development in Pharmaceutical  
Industry**  
**22<sup>th</sup> - 28<sup>th</sup> Nov. 2018**  
**Venue: Lecture Hall, F-07,  
First Floor, VIPT**



Organised by  
**Department of Pharmaceutical Analysis**



**VIGNAN**  
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DUVVADA, VISAKHAPATNAM

S.No.	Topics	No. of Hrs
1	Introduction Of Herbal cosmetics	5
2	Classification Of Cosmetics	5
3	Raw materials used in Herbal Cosmetics	5
4	Formulation of cosmetic products using herbs	5
5	Evaluation of Herbal cosmetics	5
6	Stability studies Of Herbal cosmetics	5
	<b>Total</b>	<b>30</b>

### RESOURCE PERSON

**Dr. G. Chandra Sekhara Rao,**  
Professor,  
Yalmarthy Pharmacy college



### CO-ORDINATOR

**Mr. P. N. Mallikarjun**  
Assistant Professor,  
Vignan Institute of Pharmaceutical Technology

**Assessment procedure:** After completion of course Assessment was done by Multiple Choice Questions

### ABOUT THE INSTITUTION

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### COURSE OBJECTIVES

Course will lay the foundation for pharmaceuticals 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 students will be able to know

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

## Value Added Course On **HERBAL COSMETICS**

**22<sup>nd</sup> -28<sup>th</sup> November 2018**

**Venue: Lecture Hall-02, VIPT.**



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**Department of Pharmaceutics**

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DUVVADA, VISAKHAPATNAM

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**PHARMACEUTICAL TECHNOLOGY**  
Beside: VSEZ, Duvvada, Visakhapatnam-4

S.No.	Topics	Number of Hrs
1	Introduction	2
2	Drugs effecting the central nervous system	4
3	Neuromuscular Blocking Drugs	4
4	Anticancer Drugs	4
5	Antibiotics	4
6	Cardiovascular drugs	4
7.	Antiasthma drugs	4
8.	Antiparasitic drugs	4
Total		30

### RESOURCE PERSON

**Prof. Girija Sastry Vedula**  
Andhra University college of  
Pharmacaceutical Sciences



### CO-ORDINATOR

**Mr. A. Kanaka Raju**  
Assistant Professor  
Vignan Institute of Pharmaceutical Technology

Upon completion of course, the assessment is done by  
multiple choice questions.

### ABOUT THE INSTITUTION

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### COURSE OBJECTIVES

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

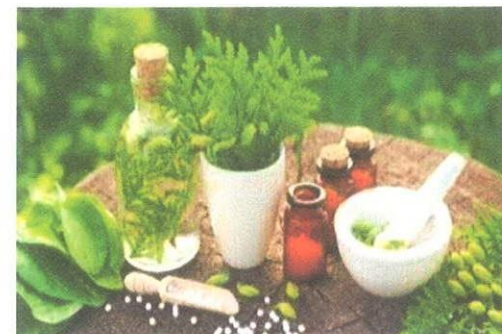


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Beside: YSEZ, Duvvada, Visakhapatnam-49

## Value Added Course on Natural products as leads for New pharmaceuticals

22<sup>nd</sup> -28<sup>th</sup> November 2018

**Venue:** Lecture Hall F03, First Floor, VIPT



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Department of Pharmaceutical  
Chemistry



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DUVVADA, VISAKHAPATNAM

S.No	Topic	Number of hours
1	Microbial Pathogenicity Mechanisms	5
2	Bacterial infections	5
3	Viral infections	5
4	Fungal infections	5
5	Role of host factors that prevent infections	5
6	Special attention to prophylaxis and immunization	5
	<b>Total</b>	<b>30</b>

## RESOURCE PERSON

**Mr. B. Rama Rao**  
Assistant Professor,  
Vignan Institute of Pharmaceutical  
Technology



## COORDINATOR

**Dr.S.Satya Lakshmi**  
Associate Professor  
Vignan Institute of Pharmaceutical  
Technology

## ASSESSMENT

Upon completion of the course assessment is done by multiple choice questions

## ABOUT THE INSTITUTION

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## 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 factors that can support the microorganisms to spread infections.
2. Explain various pathogenic mechanisms to cause infections.
3. Identify the suitable anti-microbial agents for treatment.
4. Make use of prophylactic measures to avoid infectious diseases.

## Value Added Course on Microbial Pathogenicity Mechanisms and Associated Infectious Diseases

10<sup>th</sup> to 15<sup>th</sup> December 2018

Venue: Lecture hall F01, First Floor VIPT



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Department of Pharmaceutics



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S.No	Topic	No.of hours
1	Introduction to echocardiography	3
2	Applications of echocardiography	6
3	Applications of echocardiography	9
4	What do echocardiography results indicate	12
	<b>Total</b>	<b>30</b>

#### RESOURCE PERSON

Dr. Santosh Kumar Ranajit  
Associate Professor, Vignan institute of  
Pharmaceutical technology



#### CO-ORDINATOR

Mrs. V. Jhansi Lakshmi  
Assistant Professor,  
Vignan Institute of Pharmaceutical Technology

#### ASSESSMENT

Upon completion of the course, assessment is done by  
Multiple choice questions.

#### ABOUT THE INSTITUTION

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#### COURSE OBJECTIVES

This Course will enable you to lay the foundation for Pharmacology and help to understand the concept of Echocardiography.

#### COURSE OUTCOMES

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

1. Understand the applications of 2D echocardiography
2. Explain the importance of echocardiogram



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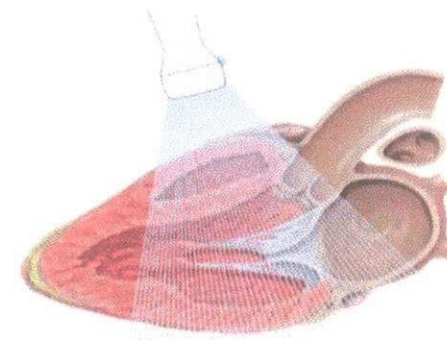
Value Added Course  
on

**2D echocardiography**

10<sup>th</sup> December 2018 to 15<sup>th</sup> December  
2018

Venue: Lecture Hall-F02, First Floor, VIPT

2D (two-dimensional) ultrasound



Organised by  
Department of Pharmacology



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DUVVADA, VISAKHAPATNAM

S.No.	Topics	No of Hrs
1	Introduction	2
2	Types of alkylating agents	3
3	Sites of Reaction and correlation with Biologic effects	3
4	General structural considerations	3
5	Number of Reactive centres	3
6	Naturally occurring compounds and Analogs as carriers of Alkylating Groups	3
7.	Dual Antagonists	3
8.	Alkylating Agents capable of Being Activated (or) Potentiated	4
9.	The Application of pH Differences on alkylating agents	3
10	Compounds Designed for Intra arterial Infusion	3
11	Total	30

### RESOURCE PERSON

**Prof. Dr. Y. Rajendra Prasad**  
Andhra University college of  
Pharmaceutical Sciences



### CO-ORDINATOR

**Dr.k.Purna Naga Sree**  
**Associate Professor**  
Vignan Institute of Pharmaceutical Technology

### ASSESSMENT

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### ABOUT THE INSTITUTION

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### COURSE OBJECTIVES

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



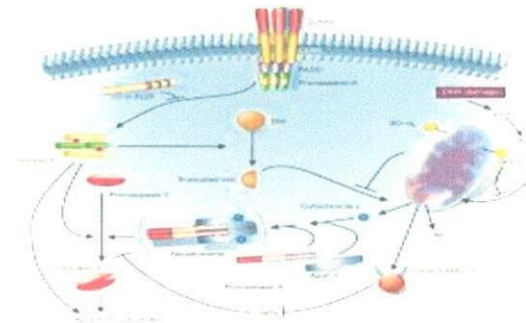
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Beside: VSEZ, Duvvada, Visakhapatnam-49

## Value Added Course on

## The Design of Tumor – Inhibitory Alkylating drugs

10<sup>th</sup> -15<sup>th</sup> Dec 2018

**Venue:** Lecture Hall F03, First Floor, VIPT



Organized by  
**Department of Pharmaceutical  
Chemistry**



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DUVVADA, VISAKHAPATNAM

S.NO	Topics	Number of hours
1	Introduction of Neutraceuticals	5
2	Properties of organisms	5
3	Methods to production from various microbial Sources	5
4	Methods to production from various microbial Sources	5
5	Mechanism of action	5
6	Applications	5
	<b>Total</b>	<b>30</b>

### RESOURCE PERSON

**Mr. B. Rama Rao**  
Assistant Professor,  
Vignan Institute of Pharmaceutical  
Technology



### COORDINATOR

**Dr. S. Satya Lakshmi,**  
Associate Professor,  
Vignan Institute of Pharmaceutical  
Technology

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### 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 nutraceutical 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 neutraceuticals compounds.
3. Identify the methods to formulate functional foods.
4. Discuss the applications of microbial functional foods and neutraceuticals.



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Beside: VSEZ, Duvvada, Visakhapatnam-49

## Value Added Course on Microbes as Functional Foods and Neutraceuticals

26<sup>th</sup> Nov to 1<sup>st</sup> Dec 2018

**Venue:** Lecture hall F03, First Floor  
VIPT



Organized by  
**Department of Pharmaceutics**



**VIGNAN**  
INSTITUTE OF PHARMACEUTICAL TECHNOLOGY  
DUVVADA, VISAKHAPATNAM

S.No	Topic	Number of hours
1	Food and Health	5
2	Role of Nutraceuticals	5
3	Nutraceuticals in the management of lifestyle disorders	5
4	Applications of Nutraceuticals	5
5	Nutraceuticals in Indian Marketing	5
6	Future Prospects	5
	<b>TOTAL</b>	<b>30</b>

#### RESOURCE PERSON

Mr.P.Balakrishnaiah  
Associate Professor  
Vignan Institute of Pharmaceutical Technology



#### COORDINATOR

Ms. T. Satya Lakshmi  
Assistant Professor  
Vignan Institute of Pharmaceutical Technology

#### ASSESSMENT

**Assessment procedure:** Assessment is done by multiple choice questions

#### ABOUT THE INSTITUTION

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#### COURSE OBJECTIVES

This source mainly Studies the concept of food components and nutrition plays a crucial role in the prevention of chronic diseases and Understand the role of micronutrients that are incorporated into functional foods, contribute to an enhancement of immuno competence.

#### COURSE OUTCOMES

Upon completion of the course:

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

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## Value Added Course on Functional Foods and Nutraceuticals

26<sup>th</sup> Nov to 01<sup>st</sup> Dec 2018

Venue: Lecture Hall-F02, First Floor

### Nutraceuticals and Functional Foods

Natural Remedy



Organised by

Department of Pharmacognosy & Phytochemistry



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INSTITUTE OF PHARMACEUTICAL TECHNOLOGY  
DUVVADA, VISAKHAPATNAM



S.No	Contents	Number of Hrs
1	Absorption, Distribution, Metabolism, and Excretion	5
2	Determination of Pharmacokinetic Parameters	5
3	Pharmacokinetics and Drug Interactions	5
4	The Impact of ADRs	5
5	The Assessment of ADRs—Severity and Seriousness	5
6	Polypharmacy, Pharmacodynamics and Drug Interactions	5
Total hrs		30

### RESOURCE PERSON

**Mrs D.Aruna Kumari,**  
Associate Professor,  
Viswanadha Institute of Pharmaceutical Sciences



### COORDINATOR

**Mrs K.Gana Manjusha**  
Assistant Professor  
Vignan Institute of Pharmaceutical Technology

### Assessment

**Assessment procedure:** Assessment is done by multiple choice questions

### ABOUT THE INSTITUTION

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### 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 students will be able to:

1. Understand primary pharmacokinetic parameters clearance, apparent VD, and bioavailability, as well as the secondary parameters elimination half-life, Tmax and Cmax.
2. Discuss the impact of adverse drug reactions and the need for pharmacovigilance.
3. Discuss the importance of drug-drug and drug-herb interactions..

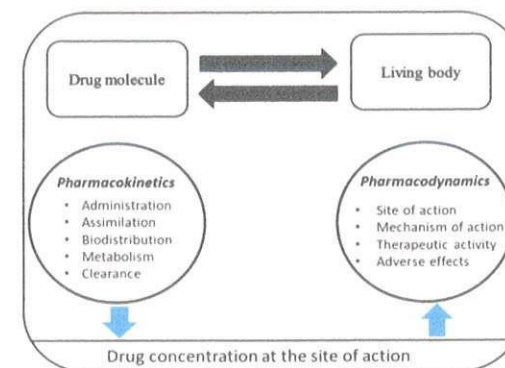


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## Value Added Course on Pharmacokinetics and Pharmacodynamics – A Pharmacognosy Perspective

26<sup>th</sup> Nov to 01<sup>st</sup> Dec 2018

Venue: Lecture Hall-F03, VIPT First Floor



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Department of Pharmacognosy &  
Phytochemistry



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DUVVADA, VISAKHAPATNAM

Name of the Topic	Hours
Overview of Drugs & Cosmetics Act and Rules thereunder, Overview of New Drug and Clinical Trials Rules, 2019	5
Phases of Clinical Trial, Forms, and Fees, Regulatory Pathway and Data Requirements for NDCT, 2019	5
Guidelines to Conduct BA/BE studies, Ethics Committee Registration and Re-registration	5
Requirements for Import/Manufacture of New Drug/IND	5
Clinical Trial Related Guidelines (NDCT Rules), Content of Proposed Clinical Trial	5
Common Observations During Submission of CT/BA/BE Protocol, Drug Development	5
Salient Feature of NDCT 2019 (What's New in NDCT?), Online Submission (SUGAM)	5
<b>Total</b>	<b>35</b>

#### RESOURCE PERSON

**Dr. P. V. Madhavi Latha ,**  
Associate Professor,  
VITAM College, Visakhapatnam.



#### CO-ORDINATOR

**Dr. P. Chiranjeevi,**  
Associate Professor  
Vignan Institute of Pharmaceutical Technology.

#### Assessment

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#### 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,

- 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

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## Value Added Course

on

## Current Regulatory Requirements for Conducting Clinical Trials in India

18<sup>th</sup> to 25<sup>th</sup> June 2018

Venue: Lecture Hall – F01,  
First Floor, VIPT



Organised by  
Department of Pharmaceutical  
Analysis



**VIGNAN**  
INSTITUTE OF PHARMACEUTICAL TECHNOLOGY  
DUVVADA, VISAKHAPATNAM

## TOPICS:

S.no	Topic	Number of hours
1	Basis of Separation	5
2	Sample Preparation	5
3	Method Development	5
4	Buffer Effect	5
5	Detection Sensitivity and Selectivity	5
6	Method Validation	5
Total hrs		30

## RESOURCE PERSON

Dr. T. Hemanth Kumar,  
Vignan Institute of Pharmaceutical  
Technology



## COORDINATOR

Mr. K. Vara Prasada Rao  
Vignan Institute of Pharmaceutical Technology, Duvvada.

Upon completion of course, the assessment is done by multiple choice questions.

## ABOUT THE INSTITUTION

Vignan Institute of Pharmaceutical technology is one of the constituent colleges of vignan Institutions well known for quality education with GLOBAL STANDARDS AND INDIAN VALUES. VIPT was established in 2006 with a view to provide job oriented professional courses in Pharmacy, VIPT offers B.Pharm., M.Pharm., Pharm.D. programmes. The College is affiliated to the JNTU Kakinada, approved by the All India Council for Technical Education (AICTE), Pharmacy Council of India (PCI), Govt. of Andhra Pradesh. The College is ISO 9001 & ISO 14001 Certified for its safety and waste disposal methods employed. The infrastructure available makes the college a conducive academic learning that provides students with good quality education in a clean, comfortable environment. The college is presently one of the largest graduate, postgraduate and research institutions in Andhra Pradesh imparting quality pharmaceutical education.

## 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.

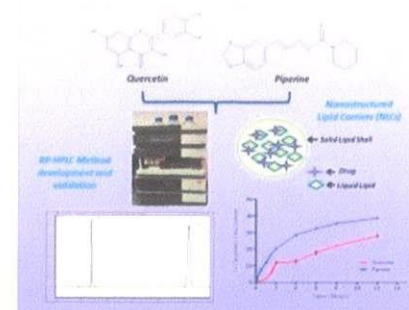
## COURSE OUTCOMES

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

## Value Added Course On HPLC Method Development in Pharmaceutical Industry

18<sup>th</sup> to 23<sup>rd</sup> June 2018

Venue: Lecture Hall, F-02



Organised by  
Department of Pharmaceutical Analysis



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DUVVADA, VISAKHAPATNAM

S.No.	Topics	Number of Hrs
1	Introduction	2
2	Classification of Peptidomimetics	3
3	Design of Conformationally Restricted Peptides	3
4	Template mimetics	3
5	Peptide Bond Isosteres	4
6	From transition state A nalog Inhibitors to Non Peptide Inhibitors : Examples in Protease Inhibitors	4
7.	Speeding up Peptidomimetic Research	4
8.	Toward Rational Drug Design : Discovery of Novel Non- Peptide Peptidomimetics	4
9.	Historical Development of Important Non Peptide Peptidomimetics	3
Total		30

## RESOURCE PERSON

**Prof. Dr. Y. Rajendra Prasad**  
Andhra University college of  
Pharmaceutical Sciences



## CO-ORDINATOR

**Dr.K.Purna Naga Sree**  
Associate Professor

Vignan Institute of Pharmaceutical Technology

**ASSESSMENT:** Upon completion of course, the assessment is done by multiple choice questions.

## ABOUT THE INSTITUTION

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## COURSE OBJECTIVES

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

## COURSE OUTCOMES

- Understand the design of conformationally restricted peptides
- Explain the discovery of Novel non-peptide peptidomimetics
- Describe the novel non – peptide peptidomimetics

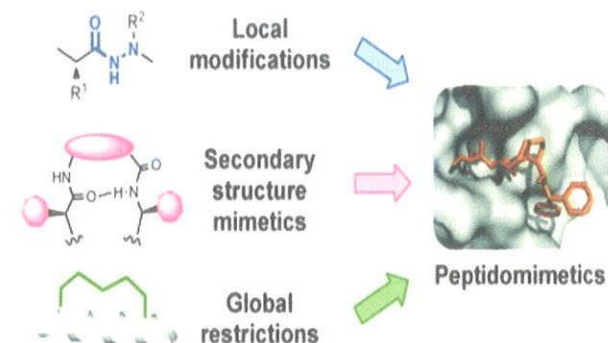
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PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam



## Value Added Course on PEPTIDOMIMETICS FOR DRUG DESIGN

18<sup>th</sup> -23<sup>rd</sup> June 2018

**Venue:** Lecture Hall F03,First Floor,  
VIPT



Organized by  
**Department of Pharmaceutical  
Chemistry**

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INSTITUTE OF PHARMACEUTICAL TECHNOLOGY  
DUVVADA, VISAKHAPATNAM

S.no	Topic	Number of hours
1	Introduction to Epidemiology	2
2	Concepts of Bacteriology and Mycology	4
3	General Pathology	4
4	Advanced Epidemiology	5
5	Systemic and Surgical Pathology	5
6	Bacterial Pathogenesis and Host Response	5
7	Advanced Topics in Comparative Pathology	5
	TOTAL	30

**RESOURCE PERSON**  
**Dr. R. Kiran MBBS,**  
Radiology



**COORDINATOR**  
**Dr. K. Raj Kiran**

Professor  
Vignan Institute of Pharmaceutical Technology

Upon completion of course, the assessment is done by multiple choice questions.

### ABOUT THE INSTITUTION

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### COURSE OBJECTIVE

This course will help the students concepts of applicability of testing to various sample types including body fluids, lymph node and spleen; 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:

1. Acquire In-depth Knowledge And Understand The Concepts of Emerging And Modern molecular technologies Infectious Diseases Diagnosis.
2. Understand Principles And Opportunities Arising From Emerging Technologies For Next Generation Diagnostics
3. Apply Knowledge of Molecular Diagnostics In The Design, Appraisal And Development Of Protocols In The Diagnosis Of Infection.



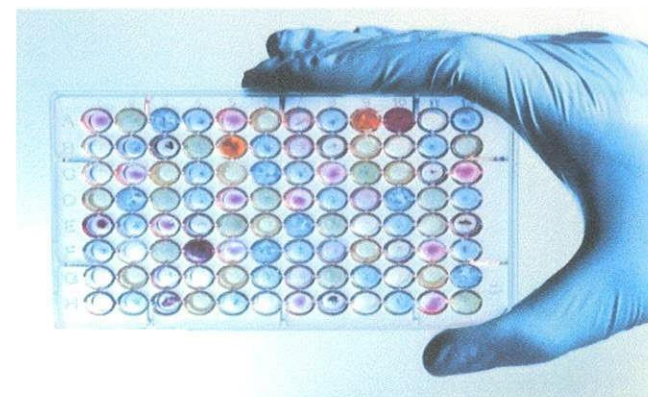
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**VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY**  
Beside: VSEZ, Duvvada, Visakhapatnam-530026

**Value Added Course on**

### MOLECULAR DIAGNOSTICS OF INFECTIOUS DISEASES

From: 18.06.2018 to 25.06.2018

**Venue: Lecture Hall F-04, 1<sup>st</sup> Floor, VIPT**



Organized by  
**Department of Pharmacology**



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INSTITUTE OF PHARMACEUTICAL TECHNOLOGY  
DUVVADA, VISAKHAPATNAM

## TOPICS:

S.No	Topic	No. of Hours
1	Introduction	5
2	Interpretation of Pulse/Heart Rate	5
3	Interpretation of Blood Pressure	5
4	Interpretation of Metabolism	5
5	Interpretation of Temperature	5
6	Interpretation of Respiration Rate	5
7	Interpretation of Pain	5
	<b>Total</b>	<b>35</b>

## RESOURCE PERSON

### Dr. WASIM FEROZ

Assistant Professor,  
Vignan Institute of Pharmaceutical Technology



## CO-ORDINATOR

### MR. P.SRINU

Assistant Professor,  
Vignan Institute of Pharmaceutical Technology

## ASSESSMENT

Upon completion of the course, assessment is done by multiple choice questions.

## ABOUT THE INSTITUTION

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## COURSE OBJECTIVES

To explore the anatomy and physiology underlying the vital signs so that you will develop a systematic, integrated understanding of how the body functions.

## COURSE OUTCOMES

Upon completion of the course:

1. Assessment of vital signs by clinicians.
2. 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.

*Y. Suresh*  
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Beside: VSEZ, Duvvada, Visakhapatnam-49



Add on Course  
on

## INTERPRETATION OF VITAL SIGNS

04<sup>th</sup>-11<sup>th</sup> August 2018

Venue: Lecture Hall-S01, Second Floor,  
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DUVVADA, VISAKHAPATNAM

S.No	Topic	No.of hours
1	Medical Terminology-Basics	5
2	Introduction to Medical Language and Records	5
3	Integumentary System	5
4	Musculoskeletal System	5
5	Cardiovascular system	5
6	Urinary system	5
7	Course Final Assessments and Conclusion	5
	<b>Total</b>	<b>35</b>

Upon completion of the course , assessment is done by multiple choice questions.



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

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

- Identify and define prefixes, roots, and suffices 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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Beside: VSEZ, Duvvada, Visakhapatnam-49

## MEDICAL TERMINOLOGIES

17<sup>th</sup>-25<sup>th</sup> July 2018

**Venue: Lecture Hall-S03,Second Floor,  
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## Department of Pharmacy Practice



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## TOPICS:

S.No	Topic	No .of hours
1	History of Public Health and Preventive and Social Medicine	5
2	Core Concepts in Public Health	5
3	Community Medicine	5
4	Nutrition	5
5	Environmental Sanitation	5
6	Communicable diseases	5
7	Non-communicable and lifestyle diseases	5
	<b>Total</b>	<b>35</b>

## RESOURCE PERSON

**Mr. P. SRINU**

Assistant Professor,  
Vignan Institute of Pharmaceutical  
Technology.



## CO-ORDINATOR

**Dr. WASIM FEROZ**

Pharm.D  
Assistant Professor, Vignan Institute  
of Pharmaceutical Technology

## ASSESSMENT

Upon completion of the course , assessment is done  
by multiple choice questions.



## ABOUT THE INSTITUTION

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## COURSE OBJECTIVE

Lead team of health professionals for planning and managing community health problems effectively and proactively.

## COURSE OUTCOMES

Upon completion of the course,

- Recognize the concepts and evaluation of public health
- Related 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.

*y. sivaiah*  
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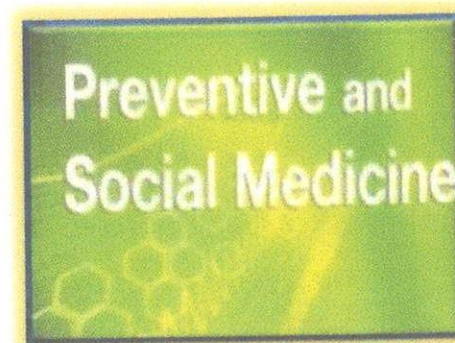
Add on Course

on

## PREVENTIVE AND SOCIAL MEDICINE

19<sup>th</sup>-26<sup>th</sup> June 2018

Venue: Lecture Hall-S04, Second Floor  
VIPT



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DUVVADA, VISAKHAPATNAM

## TOPICS:

S.No	Topic	No.of hours
1	Introduction	5
2	Shortcomings of Current Approaches	5
3	History and Causation	5
4	Systematic Review and Meta-Analysis	5
5	Risk of Bias & Application to Test Methods Comparison	5
6	Quality Assurance, Good Practices, and Validation	5
7	Biometrical Tools & Future Perspectives	5
	<b>Total</b>	<b>35</b>

## RESOURCE PERSON

**Dr.P.SWATHI**

M.Pharm., Ph.D.PDF

A.U College of Pharmaceutical Sciences



## CO-ORDINATOR

**Dr.V.SWATHI**

Pharm.D

Assistant Professor,

Vignan Institute of Pharmaceutical Technology

## ASSESSMENT

Upon completion of the course , assessment is done by multiple choice questions.



## ABOUT THE INSTITUTION

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## COURSE OBJECTIVE

This course provides transparent, objective, and consistent tools to identify, select, appraise, and extract evidence across studies.

## COURSE OUTCOMES

Upon completion of the course,

- Demonstrate emerging efforts and address opportunities and challenges to the expanded use of these tools within toxicology are understood by the student.
- Discuss Possible biases that can be introduced at various stages of research were taught to the students.
- Explain students were taught about methods of validation, how to perform classical validation, its pitfalls, and strategies to overcome them.

*Dr. Swathi*

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**PHARMACEUTICAL TECHNOLOGY**  
Reside: VSEZ Duvvada, Visakh-

Add on Course  
on

## EVIDENCE BASED TOXICOLOGY

**25<sup>th</sup> June – 02<sup>nd</sup> July 2018**

**Venue: Lecture Hall-S02, Second Floor,  
VIPT**



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DUVVADA, VISAKHAPATNAM

S.No	Topic	No.of Hours
1	Types of Trial Designs	5
2	Randomization and Masking	5
3	Outcomes and Analysis	5
4	Ethics	5
5	Reporting Results	5
6	Randomized Clinical Trials	5
7	Summative Assessment - Systematic Review	5
<b>Total</b>		<b>35</b>

### RESOURCE PERSON

**Mr. M.Vinod Kumar**

Assistant Professor,  
Vignan Institute of Pharmaceutical  
Technology



### CO-ORDINATOR

**Mr. P.Srinu**

Assistant professor,  
Vignan Institute of Pharmaceutical  
Technology

### ASSESSMENT

Upon completion of the course, assessment is done by multiple choice questions.

### ABOUT THE INSTITUTION

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### COURSE OBJECTIVE

The course will explain the basic principles for design of randomized clinical trials and how they should be reported.

### COURSE OUTCOMES

Upon completion of the course,

- Define and describe the basic principles for design of randomized clinical trials and reporting procedures are discussed.
- Discuss terminology used in clinical trials and the several common designs used for clinical trials, such as parallel and cross-over designs.



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Beside: VSEZ, Duvvada, Visakhapatnam-49

Add on Course  
on

## INTERPRETATION OF CLINICAL TRIALS

**04<sup>th</sup>-11<sup>th</sup> July 2018**

**Venue: Lecture Hall-F08, VIPT**



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DUVVADA, VISAKHAPATNAM

S.No.	Topics	No. of Hrs
1	Challenges for pharmaceutical manufacturing	5
2	Fundamental tools for increased process understanding, Risk management	5
3	Desing of experiment, Mechanistic process modelling	5
4	Fluidic systems and multiple flows, Particle based systems	5
5	Production planning and scheduling	5
6	Capacity and investment planning	5
7	Technologies for continuous drug product manufacturing	5
<b>Total</b>		<b>35</b>

#### RESOURCE PERSON

**Dr. J. Vijaya Ratna**  
Professor,  
Andhra University.



#### CO-ORDINATOR

**Dr. P.V. Kamala Kumari,**  
Professor  
Vignan Institute of Pharmaceutical Technology

#### Assessment:

After completion of course the assessment procedure was done by Multiple Choice Questions.



#### ABOUT THE INSTITUTION

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#### COURSE OBJECTIVES

Students will know the methodology, different excipients used in solid dosage forms and their evaluation with references to production technologies

#### COURSE OUTCOMES

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

1. Process understanding
2. Production planning
3. Continuous manufacturing
4. Investment planning

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Beside: VSEZ, Duvvada, Visakhapatnam-45

#### Value Added Course On

#### PHARMACEUTICAL MANUFACTURING AND EMERGING TECHNOLOGIES

10<sup>th</sup> September to 18<sup>th</sup> September, 2018

Venue: Tutorial Room -01, Second Floor, VIPT



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INSTITUTE OF PHARMACEUTICAL TECHNOLOGY  
DUVVADA, VISAKHAPATNAM

## TOPICS:

S.no	Topic	Number of hours
1	Types of Changes - Temporary Change - Permanent Change	5 hrs
2	- Major Change - Minor change	5 hrs
3	Intimation of Change Control	5 hrs
4	Review of change	5 hrs
5	Approval and Authorization	5 hrs
6	Implementation of Change	5 hrs
7	Post Evaluation & Closing	5 hrs
Total hrs		35 hrs

## RESOURCE PERSON

Mr. K. B. R. Babu, Asst. Manager,  
Biophore India Pharmaceuticals,  
Visakhapatnam



## COORDINATOR

Mr. K. Vara Prasada Rao  
Vignan Institute of Pharmaceutical Technology, Duvvada.

Upon completion of course, the assessment is done by multiple choice questions.

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## 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

Value Added Course On  
**Change Control in Pharmaceutical Industry**  
**10<sup>th</sup> - 18<sup>th</sup> Sept. 2018**  
**Venue: Lecture Hall, F-01, First Floor, VIPT**



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**Department of Pharmaceutical Analysis**



*g. k. rao*  
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PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam



**TOPICS:**

S.no	Topic	Number of hours
1	Preparing the Audit Plan	7
2	Selection of Auditors	7
3	Conducting of Audit	7
4	Preparation of Audit Report	7
5	Non conformity Report	7
6	Corrective Action & Preventive action(CAPA)	7
7	Closing of Non Compliance	3

Total hrs 45 hrs

**RESOURCE PERSON**

Dr. T. Hemanth Kumar  
Vignan Institute of Pharmaceutical  
Technology

**COORDINATOR**

Mr. K. Vara Prasada Rao  
Vignan Institute of Pharmaceutical Technology, Duvvada.

Upon completion of course, the assessment is done by multiple choice questions.

**ABOUT THE INSTITUTION**

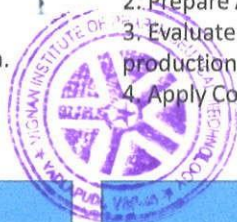
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**COURSE OBJECTIVE**

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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Duvvada, VSEZ, Duvvada, etc.

Value Added Course On

**Internal Audit System in  
Pharmaceutical Industry**16<sup>th</sup> - 23<sup>rd</sup> July 2018

Venue: Tutorial Room-01,  
Third Floor, VIPT



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DUVVADA, VISAKHAPATNAM