



## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

Beside VSEZ, Duvvada, Visakhapatnam-530049

### **Summary Report on Add on /Certificate/ Value Added Programs for Academic Year 2020-2021**

S. No	Name of Add on /Certificate/ Value added programs offered	Page No
1	Applications of Galenical products	<a href="#">2-4</a>
2	Analytical Chemistry	<a href="#">5-7</a>
3	Food Chemistry	<a href="#">8-10</a>
4	Food Preservation Technology	<a href="#">11-13</a>
5	Introduction to Marine, Aquatic and Geomicrobiology and its Applications	<a href="#">14-16</a>
6	Precision Medicine	<a href="#">17-19</a>
7	Palliative and End of Life Care	<a href="#">20-21</a>
8	Pharmacovigilance of Herbal Medicines	<a href="#">22-23</a>
9	Methods of Strain Improvement for Industrially Important Microorganisms	<a href="#">24-26</a>
10	Vermicomposting Technology	<a href="#">27-29</a>
11	Herbal Formulation- Development and Standardization	<a href="#">30-32</a>
12	Critical Care Neuralgia Treatment	<a href="#">33-35</a>
13	Gene Related Therapeutics	<a href="#">36-38</a>
14	Medical Terminologies	<a href="#">39-41</a>
15	Interpretation of Vital Signs	<a href="#">42-44</a>
16	Clinical Skills for Health Care Providers	<a href="#">45-47</a>
17	Patient Safety in Health Care	<a href="#">48-50</a>
18	Basics of SAS Programming	<a href="#">51-54</a>
19	Pharmaceutical Management and Marketing	<a href="#">55-57</a>
20	Certificate Programme on Enantiomeric Chromatography in Drug Discovery	<a href="#">58-60</a>
21	Animal Dose Calculation and Interpretation	<a href="#">61-63</a>



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## VALUE ADDED COURSE on

### Applications of Galenical Products

#### SUMMARY REPORT

A Value added course for 1<sup>st</sup> Year Students of B Pharmacy was organized by Vignan Institute Of Pharmaceutical Technology from 03<sup>rd</sup> to 14<sup>th</sup> May 2021. The course was conducted on "Applications of Galenical Products" virtually. The resource person for the course is **Dr P.V. Kamala Kumari**, Professor, VIPT. The course started on 03 May 2021 with the welcome address by the coordinator **Dr. M. Saritha**, Professor, VIPT and introductory remarks by the resource person. It ended on 14<sup>th</sup> May 2021 with concluding remarks by the resources person. A total of 25 students participated and completed the course. The overall feedback from the participants was very good.

#### Course Objectives:

The purpose of this course is for better understanding of Galencial products, method of extraction and its applications.

#### Course Outcomes:

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

1. Understand the Principles, selection of solvent and method of extraction.
2. Describe Maceration process of organized an organized and unorganized drugs.
3. Explain Percolation process and maceration vs percolation-selection of products.
4. Galenical products and its application.



*Y. Suresh*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



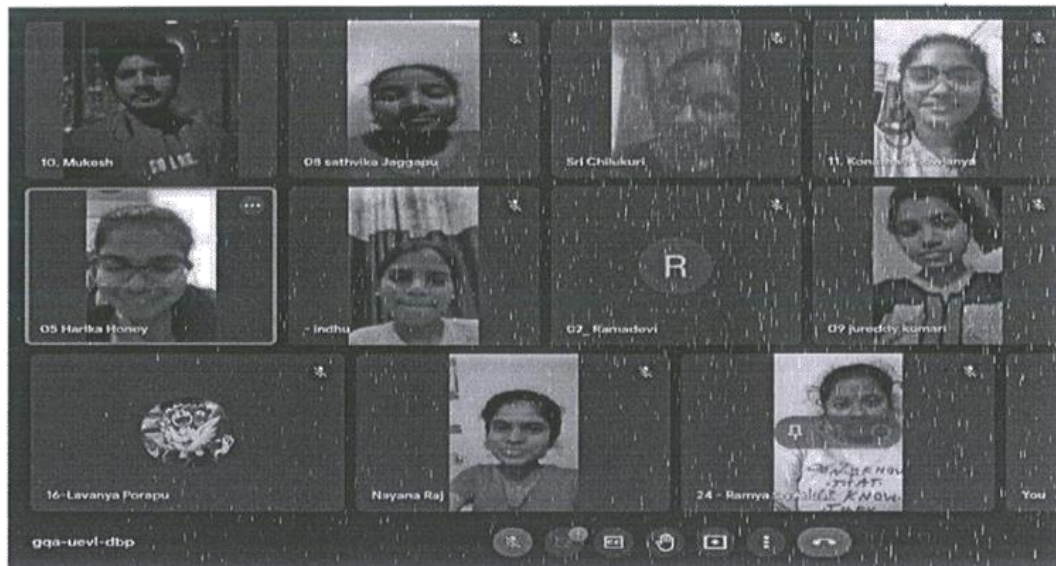
## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)



Name of the Value added Course : **Applications of Galenical Products**  
Date: 03<sup>rd</sup> to 14<sup>th</sup> May 2021.



*Handwritten signature in green ink*

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49





## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

### PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
03 <sup>rd</sup> May 2021 01:00PM to 04:00PM	<b>Introduction to Galenical products:</b> Definition , types, examples, sources of Galenicals	3
04 <sup>rd</sup> May 2021 01:00PM to 04:00PM	<b>Introduction to Galenical products:</b> Sources of galenicals	3
05 <sup>th</sup> May 2021 01:00PM to 04:00PM	<b>Principles involved ,selection of solvent and method of extraction:-</b> classification of solvents along with uses of solvents,	3
06 <sup>th</sup> May 2021 01:00PM to 04:00PM	<b>Maceration process of organized and unorganized drugs:</b> Steps involved in maceration	3
07 <sup>th</sup> May 2021 01:00PM to 04:00PM	<b>Maceration process of organized and unorganized drugs:</b> Steps involved in maceration	3
10 <sup>th</sup> May 2021 01:00PM to 04:00PM	<b>Percolation process and maceration vs percolation- selection of products:</b> Percolation , maceration and differences between percolation and maceration	3
11 <sup>th</sup> May 2021 01:00PM to 04:00PM	<b>Percolation process and maceration vs percolation- selection of products:</b> Percolation , maceration and differences between percolation and maceration	3
12 <sup>th</sup> May 2021 01:00PM to 04:00PM	<b>Galenical Products:</b> examples of Galenicals like tincture of belladonna, opium tincture etc	3
13 <sup>th</sup> May 2021 01:00PM to 04:00PM	<b>Application of Galenical products:</b> Application of Galenicals in the preparation of medicines from crude drugs	3
14 <sup>th</sup> May 2021 01:00PM to 04:00PM	<b>Application of Galenical products:</b> Application of Galenicals in the preparation of medicines from crude drugs	3
<b>Total</b>		<b>30 Hrs</b>

CO-ORDINATOR



PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## VALUE ADDED COURSE

on

### Analytical Chemistry

## SUMMARY REPORT

A Value added course for B.Pharmacy 1<sup>st</sup> Year Students was organized by the Department of Pharmaceutical Analysis at Vignan Institute of Pharmaceutical Technology from 03.05.21 to 14.05.21. The course was conducted on "*Analytical Chemistry*" virtually. 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 3<sup>rd</sup> May 2021 with the welcome address by the co-ordinator **Dr. P. Chiranjeevi**, Professor, VIPT introduced the resource person. It ended on 14<sup>th</sup> May 2021 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:

To train the students on Analytical Chemistry where they will acquire information on Role of Analytical Chemistry and its techniques, Basis of Chemical Analysis in Pharmaceutical Analysis. 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:

- Understand the Principles of Analytical Chemistry.
- Identify the Correct Technique/ Method for Analysis.
- Performing of Different Methods.
- Design the Methodology for an Analysis.



*4/5/2021*  
**PRINCIPAL**  
**VIGNAN INSTITUTE OF**  
**PHARMACEUTICAL TECHNOLOGY**  
Beside: VSEZ, Duvvada, Visakhapatnam-49



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com



Name of the Value added Course : value added course on **Analytical Chemistry**

Date: 03.05.21 to 14.05.21.



*4/5/21*  
— PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
03.05.21 3:00-6.00 PM & 04.05.21 3:00-6.00 PM	<b>Introduction</b> Chemicals and Materials, Analysis Methods Role of Analytical Chemistry and Techniques	3+3
05.05.2021 3:00-6.00 PM & 06.05.21 3:00-6.00 PM	Chemical Equilibria and Basis of Chemical Analysis Spectrochemical Methods - I	3+3
07.05.2021 3:00-6.00 PM & 10.05.21 3:00-6.00 PM	Spectrochemical Methods - II Thermal Methods - I	3+3
11.05.2021 3:00-6.00 PM & 12.05.21 3:00-6.00 PM	Thermal Methods – II Electroanalytical Methods - I	3+3
13.05.2021 3:00-6.00 PM	Electroanalytical Methods – II Electrochemical Sensors	3
14.05.2021 3:00-6.00 PM	Bioanalytical Chemistry Applications of Chemical Analysis	3
<b>Total</b>		<b>30</b>


  
CO - ORDINATOR



  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## VALUE ADDED COURSE

on

## Food Chemistry

### SUMMARY REPORT

A Value added course for B.Pharmacy 1<sup>st</sup> Year Students was organized by the Department of Pharmaceutical Analysis at Vignan Institute of Pharmaceutical Technology from 03.05.21 to 14.05.21. The course was conducted on “*Food Chemistry*” virtually. The resource person for the course is **Mr. K. Varaprasada Rao**, Associate Professor, Department of Pharmaceutical Analysis, Vignan Institute of Pharmaceutical Technology, Duvvada, Visakhapatnam, A.P, India. The course started on 03<sup>rd</sup> May 2021 with the welcome address by the co-ordinator **Mr. A. Kanaka Raju**, Assistant Professor, VIPT. It ended on 14<sup>th</sup> May 2021 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 Objectives:

To train the students on Food Chemistry where they will acquire information on Role of Food Chemistry and its basic scientific principles to food systems and practical applications. 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:

- Understand the Principles of Food Chemistry.
- Identify the chemical composition of main types of foods, Correct Technique/ Method for Analysis.
- Performing of Different Methods.
- Design the novel product development.



*Principle*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



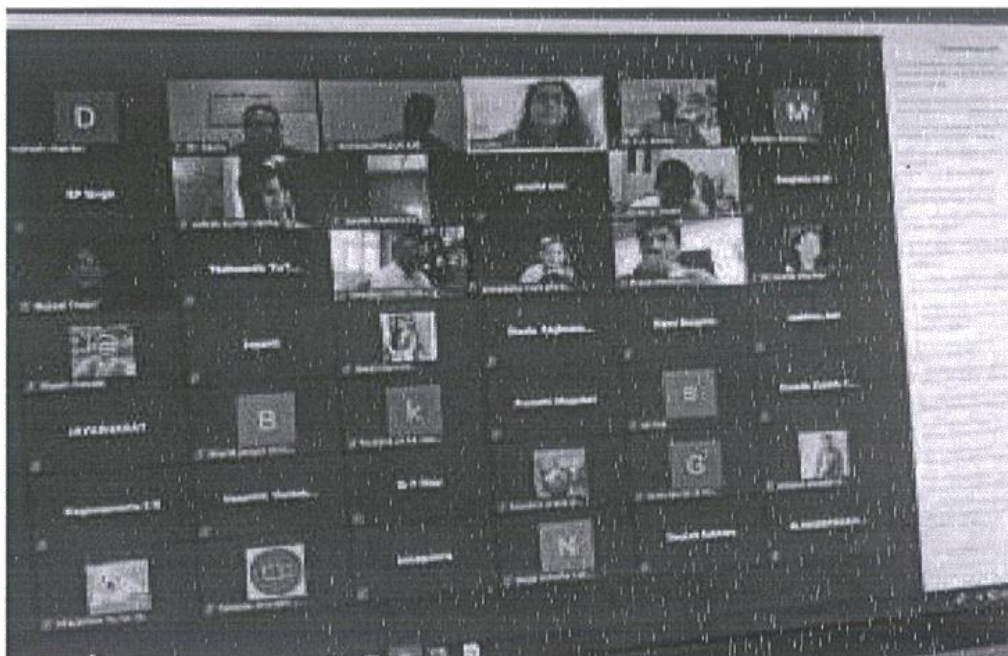
## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : vptvizag@gmail.com



Name of the Value added Course : **Food Chemistry**

Date: 03.05.21 to 14.05.21.



*4 sivarekha*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

### PROGRAM SCHEDULE


Date& Time	Topic	No. of Hours
03.05.21 3:00-6.00 PM & 04.05.21 3:00-6.00 PM	Introduction to Food Chemistry Introduction to Food and Nutrition Colorimeter Introduction to Chromatography	3+3
05.05.21 3:00-6.00 PM & 06.05.21 3:00-6.00 PM	Electrophoresis Spectrophotometer Spectroscopy Atomic Absorption Spectrophotometer Carbohydrates	3+3
07.05.21 3:00-6.00 PM & 10.05.21 3:00-6.00 PM	Lipids Sources of Fat and Oil Proteins Water Soluble Vitamins Fat Soluble Vitamins	3+3
11.05.21 3:00-6.00 PM & 12.05.21 3:00-6.00 PM	Dietary Minerals Water Enzymes Flavours Food Pigments	3+3
13.05.21 3:00-6.00 PM	Quality control and management Liquid Waste Trickling Filters Value addition to Fruits and Vegetables through Processing Treatment Method-Solid Waste	3
14.05.21 3:00-6.00 PM	Biological Composting Drying and Incineration Browning reactions in food New Product Development	3
<b>Total</b>		<b>30</b>

  
CO - ORDINATOR



  
PRINCIPAL  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## VALUE ADDED COURSE on Food Preservation Technology

### SUMMARY REPORT

A Value added course for B.Pharmacy 1<sup>st</sup> Year Students was organized by the Department of Pharmaceutical Analysis at Vignan Institute of Pharmaceutical Technology from 03.05.21 to 14.05.21. The course was conducted on "*Food Preservation Technology*" virtually. The resource person for the course is **Dr.M.B.Venkatapathi Raju, Principal**, Avanthi Institute of Pharmaceutical Sciences, Vizianagaram, A.P, India. The course started on 03<sup>rd</sup> May 2021 with the welcome address by the co-ordinator **Dr.K.Poorna Nagasree, Associate Professor** and introduced the resource person. It ended on 14<sup>th</sup> May 2021 with concluding remarks by the resource person. A total of 22 students participated and completed the course. The overall feedback from the participants was very good.

#### Course Objectives:

To train the students on Food Preservation Technology which is a multi disciplinary course aimed towards imparting knowledge for students. The course has wide applications in Food industry (Chocolate, Bread and Biscuits, Jams, and all other ready to eat packed foods and beverages), Dairy industry (For preservation of Milk and Milk products like Flavoured milk, cheese, etc.,) Pharmaceutical industry (As a part of Nutraceuticals many pharma industry expect students to have the knowledge of Food preservation techniques). 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:

- Understand the Principles of Food Preservation Technology.
- Identify the various food products and their preservation techniques.
- Performing Different Methods.
- Design the Procedure for Preservation.



*Dr. M.B. Venkatapathi Raju*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com



Name of the Value added Course : **Food Preservation Technology**

Date: 03.05.21 to 14.05.21.



*G. Suresh*  
— PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhap.



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333; email : viptvizag@gmail.com

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
03.05.21 3:00-06.00 PM & 04.05.21 3:00-06.00 PM	Basic Principle of Food Preservation Principle and Traditional Methods of Food Protection in Preservation Bio-Preservation and Chemical Preservatives Modern Technologies in Food Preservation Microorganisms in Food Characteristics of Microorganisms in Food Food Spoilage by Microorganisms Control of Microorganisms in Foods	3+3
05.05.21 3:00-06.00 PM & 06.05.21 3:00-06.00 PM	Food Borne Disease Preservation by Salt and Sugar Enzymes in Fruit Processing/Liquefaction Value Addition to Fruits and Vegetables through Processing Bottling Food Products Freezing of Products	3+3
07.05.21 3:00-06.00 PM & 10.05.21 3:00-06.00 PM	Introduction to Refrigeration and Freezing Refrigeration and Freezing – Pressure Enthalpy and freezing methods Steam Evaporation and Dehydration Meat and Poultry Industry in India	3+3
11.05.21 3:00-06.00 PM & 12.05.21 3:00-06.00 PM	Preservation of Meat: Chilling and Freezing, Irradiation ,Thermal Processing Canning of Fish Fish Curing and Smoking Microbial Spoilage of Fish, Meat, Poultry and Egg Chilling and Freezing of Fish Design of Activated Sludge Process	3+3
13.05.21 3:00-06.00 PM	Post-Harvest Losses of Fruits, Vegetables and Preservation Sterilizing Equipments	3
14.05.21 3:00-06.00 PM	Laminar Air Flow (LAF) Cabinet Identification of Hazards Sanitation and Sanitizers	3
Total		30

K. prana  
CO - ORDINATOR



Principal  
PRINCIPAL  
VIGNAN INSTITUTE  
PHARMACEUTICAL TECH.  
Beside: VSEZ, Duvvada, Visakhapatnam-530049

Principal  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006  
An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution  
Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P  
Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## VALUE ADDED COURSE on INTRODUCTION TO MARINE, AQUATIC AND GEOMICROBIOLOGY AND ITS APPLICATIONS

### SUMMARY REPORT

A Value Added Course for II B.Pharmacy Students organized by the Department of Pharmaceutics at Vignan Institute of Pharmaceutical Technology from 17<sup>th</sup> August to 29<sup>th</sup> August 2020. The course was conducted on “**Introduction to Marine, Aquatic and Geomicrobiology and its Applications**” virtually . The resource person for the course is **Mr. B. Rama Rao, Associate Professor**, Vignan Institute of Pharmaceutical Technology, Andhra Pradesh. The course started on 17<sup>th</sup> August, 2020 with the welcome address by the coordinator, Dr. S. Satya Lakshmi, VIPT. It ended on 29<sup>th</sup> August, 2020 with concluding remarks by the source person. A total of 28 students participated and completed the course. The overall feedback from the participants was very good.

**Course Objectives:** Understand the role of microorganisms as agents of environmental change. Recognize microorganisms as indicators of alteration of an ecosystem. Understand microbial processes aimed to solve environmental problems.

#### Course Outcomes:

Upon completion of the course:

1. Apply knowledge of the biology and distribution of certain species of microorganisms in order to use them as bio-indicators of contamination and other environmental impacts.
2. Apply the metabolic processes of organisms, to industrial processes related to environment.
3. Recognise and use the properties of microorganisms to remedy problems of environmental impacts



*g. survelu*  
**PRINCIPAL**  
**VIGNAN INSTITUTE OF**  
**PHARMACEUTICAL TECHNOLOGY**  
Beside: VSEZ, Duvvada, Visakhapatnam-45



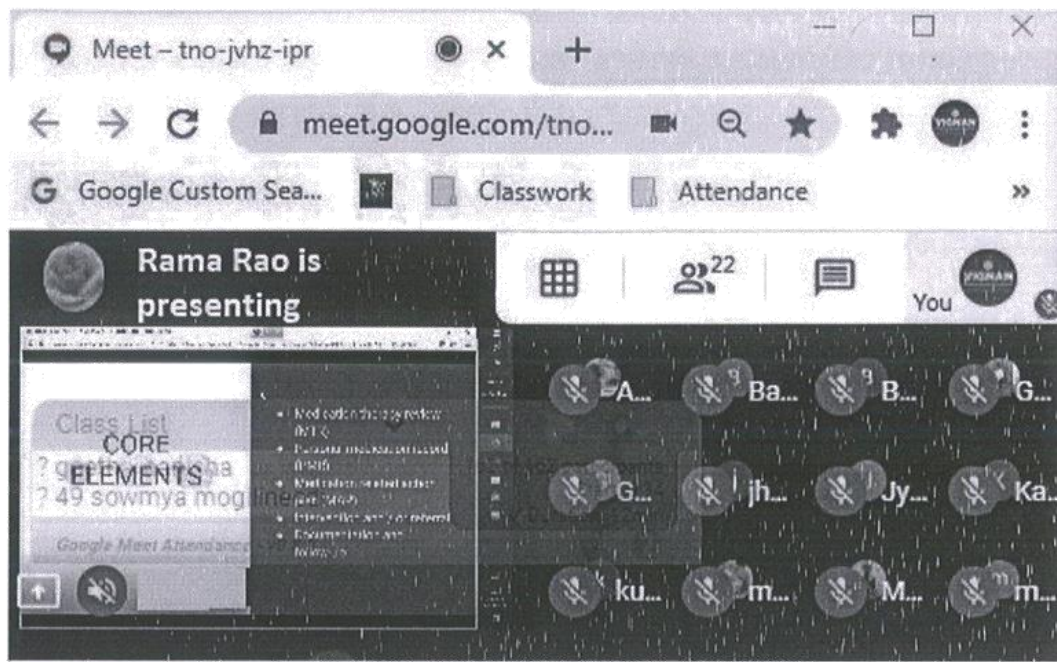
# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)



Name of the Value added Course : **INTRODUCTION TO MARINE, AQUATIC AND GEOMICROBIOLOGY AND ITS APPLICATIONS**

Date: 17<sup>th</sup> August to 29<sup>th</sup> August 2020.



*Y. S. S. S.*  
**PRINCIPAL**  
**VIGNAN INSTITUTE OF**  
**PHARMACEUTICAL TECHNOLOGY**  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
17 <sup>th</sup> August 2020 01:00PM to 04:00PM	Introduction to environmental microbiology	3
18 <sup>th</sup> August 2020 01:00PM to 03:00PM	Environmental microbiology, its impact on marine species.	2
19 <sup>th</sup> August 2020 01:00PM to 04:00PM	Marine microbiology and various species	3
20 <sup>th</sup> August 2020 01:00PM to 03:00PM	Isolation methods for Marine organisms	2
21 <sup>th</sup> August 2020 01:00PM to 04:00PM	Applications of marine microbiology	3
22 <sup>th</sup> August 2020 01:00PM to 03:00PM	Industrial applications of marine microbiology	2
24 <sup>th</sup> August 2020 01:00PM to 04:00PM	Introduction to Geo-microbiology	3
25 <sup>th</sup> August 2020 01:00PM to 03:00PM	Effects of minerals and metals to microbial growth, activity and survival	2
26 <sup>th</sup> August 2020 01:00PM to 04:00PM	Role of microbes in driving the Earth's biogeochemical cycles	3
27 <sup>th</sup> August 2020 01:00PM to 03:00PM	Environmental remediation by microbes	2
28 <sup>th</sup> August 2020 01:00PM to 04:00PM	Applications of geomicrobiology	3
29 <sup>th</sup> August 2020 01:00PM to 03:00PM	Influence on ecosystem	2
Total		30

S. Satyalakshmi  
CO-ORDINATOR



Y. Sivaiah  
PRINCIPAL  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



Y. Sivaiah  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## VALUE-ADDED COURSE

on

“Precision Medicine”

## SUMMARY REPORT

A Value-Added Course for B. Pharmacy 2<sup>st</sup> Year Students was organized by the Department of Pharmacology at Vignan institute of pharmaceutical technology 17-08-2020 to 29-08-2020. The course was conducted on “Vignan Institute of Pharmaceutical Technology”, Duvvada, Visakhapatnam virtually. The resource person for the course is Mr. **Mr. Venkatesh kamuju** Senior research associate, Suven life sciences, Hyderabad, , Andhra Pradesh. The course started on 17.08.20 with the welcome address by the coordinator and introductory remarks by Mr. **Koppala RVS Chaitanya**, Assistant Professor, VIPT. It ended on 29.08.20 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 Objective:

This course will lay the foundation for Pharmacology and help students understand the emerging approach for disease treatment and prevention that takes into account individual variability in genes, environment, and lifestyle for each person.

### Course Outcomes:

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

- Understand the role of genetics in developing various disease treatment patterns.
- Explain the use of big data as diagnostic and decision-making disease prevention.
- Explore various applications and benefits of precision medicine.
- Related the difference to personalized medicine



*Y. Srinivasulu*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)



77 Tangeti Deekshita



PRINCIPAL VIPP - AC

NEW

PRINCIPAL VIPP - AC



Name of the Value added Course : **"Precision Medicine"**

Date: 17-08-2020 to 29-08-2020.



*4/8/2020*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P


Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

### PROGRAM SCHEDULE


Date& Time	Topic	No. of Hours
17.08.2020&18.08.2020 2.30pm -5.00pm	Introduction , Definition, impact Overview of precision medicine.	5
19.08.2020&20.08.2020 2.30pm -5.00pm	Relationship to personalized medicine	5
21.08.2020&24.08.2020 2.30pm -5.00pm	Scientific basis for precision medicine	5
25.08.2020&26.08.2020 3.00pm -6.00pm	Practice tools, Artificial intelligence in precision medicine	6
27.08.2020&28.08.2020 3.00pm -6.00pm	Precision Medicine Initiative	6
29.08.2020 3.00pm -6.00pm	Benefits of precision medicine	3
Total		30

  
CO-ORDINATOR



  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com)

(Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## VALUE-ADDED COURSE

on

**"Palliative and End of Life Care"**

### SUMMARY REPORT

A Value-Added Course for B. Pharmacy 2<sup>nd</sup> Year Students was organized by the Department of Pharmacology at Vignan institute of pharmaceutical technology 17-08-2020 to 29-08-2020. The course was conducted on "Vignan Institute of Pharmaceutical Technology", Duvvada, Visakhapatnam virtually. The resource person for the course is **Dr. G. Vasantha** Associate Professor, **Avanthi** Institute of Pharmaceutical Technology, Andhra Pradesh. The course started on 17.08.2020 with the welcome address by the coordinator V.Jhansilakshmi. It ended on 29.08.20 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 Objective:

This course will lay the foundation for Pharmacology and help students understand the emerging approach in handling wound and analgesia, surgical and transfusion, orthopaedics, trauma, geriatric, paediatrics, ocular, cardiovascular medical emergencies and to provide simulated clinical settings in providing help in emergencies

#### Course Outcomes:

- Understand the role of health care professionals in palliative care.
- Explain the use of essential medicines in providing end of life care.
- Explore the pros and cons of palliative care in life threatening diseases
- Explore various ways to control pain and other symptoms of illness



*G. Vasantha*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com)

(Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333; email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)



Name of the Value added Course : **Palliative and End of Life Care**

Date: 17.08.20 to 29.08.20.

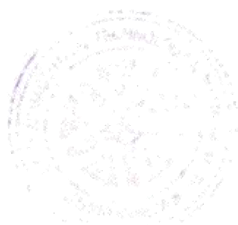
## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
17.08.2020&18.08.2020 2.30pm -5.00pm	Introduction	5
19.08.2020&20.08.2020 2.30pm -5.00pm	Symptoms management	5
21.08.2020&24.08.2020 2.30pm -5.00pm	Quality of life	5
25.08.2020&26.08.2020 3.00pm -6.00pm	End of life care	6
27.08.2020&28.08.2020 3.00pm -6.00pm	Terminal care, Correlation to end of life and terminal care	6
29.08.2020 3.00pm -6.00pm	Pros and cons of palliative care	3
Total		30

V. Jha  
CO-ORDINATOR



*[Signature]*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



*[Signature]*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333; email: viptvizag@gmail.com

### VALUE ADDED COURSE on PHARMACOVIGILANCE OF HERBAL MEDICINES

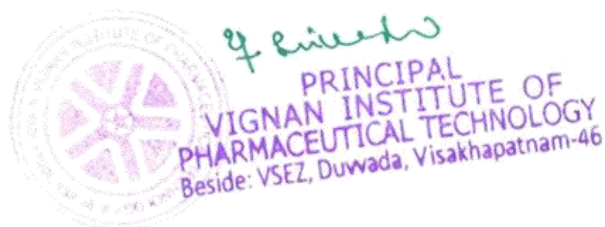
A certificate programme for B Pharmacy 3<sup>rd</sup> Year Students was organized by the Department of Pharmacognosy & Phytochemistry at Vignan Institute of Pharmaceutical Technology from 17<sup>th</sup> to 29<sup>th</sup> August 2020. The course was conducted on "*Pharmacovigilance of Herbal Medicines*" virtually. The resource person for the course is Mrs K Swathi Priya, Assistant Professor, Srinivasa Rao College of Pharmacy, Visakhapatnam. The course started on 17<sup>th</sup> August 2020 with the welcome address by the coordinator, Dr. K. Gana Manjusha. It ended on 29<sup>th</sup> Aug 2020 with concluding remarks by the resources person. A total of 23 students participated and completed the course. The overall feedback from the participants was very good.

**Course Objective:** To make students understand the concept of pharmacovigilance and its associated tools have been developed in relation to synthetic drugs, and applying these methods to monitoring the safety of herbal medicines presents unique challenges in addition to those described for conventional medicines.

#### Course Outcomes:

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

- ❖ Explain adverse drug reactions of herbal medicines.
- ❖ Describe the appropriate use of herbal medicines.
- ❖ Discuss about challenges associated with safety monitoring of herbal medicines







## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333: email: viptvizag@gmail.com

### PROGRAM SCHEDULE


Date& Time	Topic	Nb. of Hours
17 <sup>th</sup> August 2020 02:30 PM to 05:00 PM	Introduction- safety, guidelines, Background-problems, Current situation action required, action needed	2.5
18 <sup>th</sup> August 2020 02:30 PM to 05:00 PM	Objectives ,Glossary, What is pharmacovigilance?, The WHO International Drug Monitoring Programme,	2.5
19 <sup>th</sup> August 2020 02:30 PM to 05:00 PM	Functions of national pharmacovigilance centres, Functions of UMC	2.5
20 <sup>th</sup> August 2020 02:30 PM to 05:00 PM	Challenges in Monitoring the Safety of Herbal Medicines Regulation, quality assurance and control, Appropriate use	2.5
21 <sup>th</sup> August 2020 02:30 PM to 05:00 PM	Sources of Reports- Reports from health-care professionals, Reports from consumers,	2.5
24 <sup>th</sup> August 2020 02:30 PM to 05:00 PM	Manufacturers', Reports from other sources	2.5
25 <sup>th</sup> August 2020 03:00 PM to 06:00 PM	Herbal products targeted for safety monitoring	3
26 <sup>th</sup> August 2020 03:00 PM to 06:00 PM	Reporting of suspected adverse drug reactions, Who should report and to whom? What information should be requested?	3
27 <sup>th</sup> August 2020 03:00 PM to 06:00 PM	How to report, Recording and coding the identity of herbal medicines, Other reporting issues	3
28 <sup>th</sup> August 2020 03:00 PM to 06:00 PM	Assessment of Case reports	3
29 <sup>th</sup> August 2020 03:00 PM to 06:00 PM	Concluding Remarks	3
Total		30

  
CO-ORDINATOR



  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49

  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## VALUE ADDED COURSE on METHODS OF STRAIN IMPROVEMENT FOR INDUSTRIALLY IMPORTANT MICROORGANISMS

### SUMMARY REPORT

A Value Added Course for B. Pharmacy III Students organized by the Department of Pharmaceutics at Vignan Institute of Pharmaceutical Technology from 17<sup>th</sup> August to 29<sup>th</sup> August 2020. The course was conducted virtually on "**Methods of strain improvement for industrially important microorganisms**". The resource person for the course is **Dr. Nagamani, Associate Professor**, Viswananda Institute of Pharmaceutical Sciences, Andhra Pradesh. The course started on 17<sup>th</sup> August, 2020 with the welcome address by the coordinator, Dr. S. Satya Lakshmi. It ended on 29<sup>th</sup> August, 2020 with concluding remarks by the source person. A total of 22 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 advantages of improved strains over wild strains, methods of strain improvement, selection of improved strains, and commercial production of industrial products.

#### Course Outcomes:

Upon completion of the course:

1. Understand the importance of strain improvement.
2. Explain various methods of strain improvement.
3. Manipulate the conditions to improve the yield.



*4-2-2020*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

Meet - tno-jvhz-ivr

meet.google.com/tno...

Google Custom Sea... Classwork Attendance

Dr. Nagamani is presenting

You

A... Ba... B...

G... jh... Jy...

ku... m... M...

**Name of the Value added Course :** Methods of strain improvement for industrially important microorganisms

**Date:** 17.08.20 to 29.08.20.



*Dr. Subeeha*  
**PRINCIPAL**  
**VIGNAN INSTITUTE OF**  
**PHARMACEUTICAL TECHNOLOGY**  
Beside: VSEZ, Duvvada, Visakhapatnam-46





## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

### PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
17 <sup>th</sup> August 2020 01:00PM to 02:00PM	Introduction to strain improvement	01
18 <sup>th</sup> August 2020 01:00PM to 02:00PM	Advantages of strain improvement	01
19 <sup>th</sup> August 2020 01:00PM to 03:00PM	Disadvantages of improved strains compared to wild strains	02
20 <sup>th</sup> August 2020 01:00PM to 05:00PM	Methods of strain improvement	04
21 <sup>st</sup> August 2020 01:00PM to 05:00PM	Methods of strain improvement	04
24 <sup>th</sup> August 2020 01:00PM to 05:00PM	Regulatory mechanism of improved strains	04
25 <sup>th</sup> August 2020 01:00PM to 04:00PM	Regulatory mechanism of improved strains	03
26 <sup>th</sup> August 2020 01:00PM to 03:00PM	Selection methods for improved strains	02
27 <sup>th</sup> August 2020 01:00PM to 04:00PM	Approaches to select improved strains	03
28 <sup>th</sup> August 2020 01:00PM to 04:00PM	Application of improved strains in industries	03
29 <sup>th</sup> August 2020 01:00PM to 04:00PM	Industrial production by improved strains	03
Total		30

*S. Satyalakshmi*  
CO-ORDINATOR



*Y. Suresh*  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



*Y. Suresh*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333; email : viptvizag@gmail.com

### VALUE ADDED COURSES on VERMICOMPOSTING TECHNOLOGY

A Value-Added Course for B Pharmacy 3<sup>rd</sup> Year Students was organized by the Department of Pharmacognosy & Phytochemistry at Vignan Institute of Pharmaceutical Technology from 17<sup>th</sup> to 29<sup>th</sup> August 2020. The course was conducted on "*Vermicomposting Technology*". The resource person for the course is **Mrs. Aruna Kumari**, Assoc. Prof., Viswanandha Institute of Pharmaceutical Technology. The course started on 17<sup>th</sup> August 2020 with the welcome address by the coordinator, Ms.T.Satya Lakshmi, VIPT and introductory remarks by the resource person. It ended on 29<sup>th</sup> Aug 2020 with concluding remarks by the resources person. A total of 23 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 concept of vermicomposting technology as one of the best method to treat organic wastes. Understand the role of earth worms in soil biology.

#### Course Outcomes:

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

1. Understand serious environmental hazards and economic problems associated with disposal of organic waste.
2. Explain basic requirements for vermicomposting
3. Explore various process of vermicomposting



*q. s. s. s. s.*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



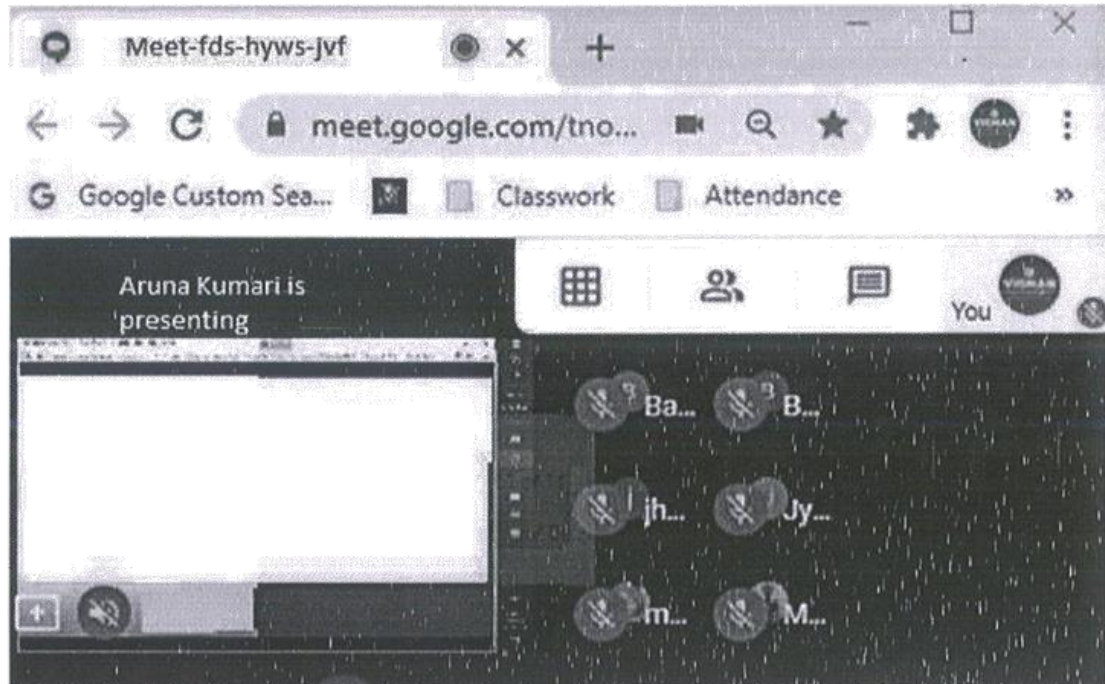
## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333: email : viptvizag@gmail.com



Name of the Value added Course : Vermicomposting Technology

Date: 17.08.20 to 29.08.20.



*4. Siveetha*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333: email : viptvizag@gmail.com

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
17 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Details of agro-industrial organic wastes Burning of organic wastes Treatment of solid organic wastes Vermi composting technology	3
18 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Earthworms for bioconversion Fragmentation and breakdown Consumption and Humification Nitrogen mineralization Effects on the C/N ratio	3
19 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Vermitechnology in Waste Management Feeds for Vermitech systems Animal manures, Kitchen Waste and Urban waste , Paper pulp and card board solids Compost and waste products, Industrial Wastes	3
20 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	In aquaculture , Vermifilter Ground Water Recharge Water recovery Vermicomposting : Basic Process Maturing and stabilization phase	3
21 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Initial pre-composting phase Mesophilic phase, Mechanism of Earthworm action	3
24 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Vermicomposting Systems: A.Windrow system Wedge System, Container System	3
25 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Continuous Flow Systems Maintaining Continuous Flow Feeding Rates Excessive Heating	3
26 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Vermicompost : Quantity and Application The Value of Vermicompost	3
27 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Future Prospects- Future research works	3
28 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Commercial vermicompost unit requirements Land Building and/or Shed Shed: Vermi-beds Seed Stock Roads, Paths & Fencing Operational Costs	3
29 <sup>th</sup> August 2020 01:00 PM to 04:00 PM	Concluding Remarks	3
<b>Total</b>		<b>33</b>

*T. S. S. S. S.*  
CO-ORDINATOR



*Y. S. S. S.*  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside VSEZ, Duvvada, Visakhapatnam-530049



*Y. S. S. S.*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside VSEZ, Duvvada, Visakhapatnam-530049



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333: email : viptvizag@gmail.com

## VALUE-ADDED COURSE

on

### Herbal Formulation- Development and Standardization

## SUMMARY REPORT

A Value-Added Course for B.Pharmacy IV Year Students was organized by the Department of Pharmacognosy and Phytochemistry at Vignan Institute of Pharmaceutical Technology from 01<sup>st</sup> to 11<sup>th</sup> September 2020 virtually. The course was conducted on “**Certificate programme on Herbal Formulation- Development and Standardization**”. The resource person for the course is **Dr B Ganga Rao, Professor, Andhra University College of Pharmaceutical Sciences, Visakhapatnam**. He has experience to train students and industrial persons in Global Regulatory Framework. The course started on 01<sup>st</sup> September 2020 with the welcome address by the coordinator and introductory remarks by the Coordinator Dr. Gana Manjusha K, Associate Professor, VIPT. It ended on 11<sup>th</sup> September 2020 with concluding remarks by the resources person. A total of 27 students participated and completed the course. The overall feedback from the participants was very good.

**Course Objective:** Herbal medicine has been utilized in many diseases since ancient times by saints and munis. Herbal medicine has many active constituents for many diseases but the proper knowledge must be necessary for the preparation of herbal formulation otherwise active constituents will be damaged. The quality control standards of various medicinal plants used in indigenous system of medicine are becoming more relevant today in view of commercialization of formulations based on medicinal plants. For standardization and quality assurance purposes, following three attributes are desirable i) Authenticity, ii) Purity and iii) Assay. Authenticity relates to proving that the material is true. Authentication in itself involves many parameters including gross morphology, microscopy, chemical analysis and DNA fingerprinting.

#### Course Outcomes:

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

- Understand the role of plant sources in preparing herbal formulations.
- Explain role of Quality control standards of various medicinal plants in view of commercialization.
- Explain the importance of Authenticity related to herbal formulation.



*G. Ravi*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333: email : viptvizag@gmail.com

Meet-zcx-hrsd-pyt

meet.google.com/tno...

Google Custom Sea... Classwork Attendance

Dr. Ganga Ram is presenting

You

A... Ba... G... jh... ku... m...

Name of the Value added Course : Herbal Formulation- Development and Standardization

Date: 01.09.20 to 11.09.20.



*Y. Srinivas*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

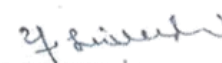
Phone 0891-2511222/2589777, Fax: 0891-2752333; email : viptvizag@gmail.com

### PROGRAM SCHEDULE


Date& Time	Topic	No. of Hours
01 <sup>st</sup> September 2020 01:00 to 03:00PM	Introduction to Global Regulatory Framework	3
02 <sup>nd</sup> September 2020 01:00 to 03:00PM	Minimum requirements for assessment of safety of herbal medicines.	3
03 <sup>rd</sup> September 2020 01:00 to 03:00PM	Minimum requirements for assessment of the efficacy of herbal medicines.	3
04 <sup>th</sup> September 2020 01:00 to 03:00PM	Quality assurance of herbal medicinal products	3
05 <sup>th</sup> September 2020 01:00 to 03:00PM	Collection Practices (GACP) and Good Manufacturing Practices (GMP)	3
07 <sup>th</sup> September 2020 01:00 to 03:00PM	Guidelines related to Good Agricultural	3
08 <sup>th</sup> September 2020 01:00 to 03:00PM	Authenticity relates to proving that the material	3
09 <sup>th</sup> September 2020 01:00 to 03:00PM	chemical analysis and DNA fingerprinting	3
10 <sup>th</sup> September 2020 01:00 to 03:00PM	Control of advertisements of herbal medicinal products	3
11 <sup>th</sup> September 2020 01:00 to 03:00PM	Current Scientific Status and Challenges Ahead	3
TOTAL		30

  
CO-ORDINATOR



  
PRINCIPAL  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside VSEZ, Duvvada, Visakhapatnam-49



  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside VSEZ, Duvvada, Visakhapatnam-49



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com)

(Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## VALUE-ADDED COURSE on “Critical Care Neuralgia Treatment” SUMMARY REPORT

A Value-Added Course for B. Pharmacy 4<sup>th</sup> Year Students was organized by the Department of Pharmaceutical analysis at Vignan institute of pharmaceutical technology 01-09-2020 to 12-09-2020. The course was conducted on “Vignan Institute of Pharmaceutical Technology”, Duvvada, Visakhapatnam virtually .The resource person for the course is **Dr. K. Rajkiran**, Professor, Vignan Institute of Pharmaceutical Technology, Visakhapatnam. The course started on 1.09.20 with the welcome address by the coordinator and introductory remarks by Mr. Koppala RVS Chaitanya. It ended on 12.09.20 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 Objective:

This course will lay the foundation for Pharmacology and help students understand the concept of critical care neuralgia treatment with sufficient knowledge in pain pathway responsible for transmission. Understand what is critical ill neuropathy, what cause it, how to diagnose the ill, how to treat the neuralgia by imparting ethically acclaimed standards in providing the critical care cum end of life care in illness related neuropathy

### Course Outcomes:

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

- Explore Critical ill neuralgia ethically with established standards
- Perform and integrate relevant investigations , diagnostic and therapeutics
- Understand the care to the critically ill neuropathy patients
- Plan and deliver comprehensive treatment for illness using principles of rational drug therapy
- Understand effective, humane and timely end of life care in neuropathy
- Demonstrate sufficient understanding of the basic science related to critical ill neuralgi



*Y. Suresh*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)



Name of the Value added Course : "Critical Care Neuralgia Treatment"

Date: 01-09-2020 to 12-09-2020.



*4 subweeks*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com)

(Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

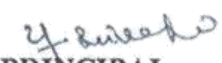
Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## PROGRAM SCHEDULE


Date& Time	Topic	No. of Hours
1.9.2020&2.9.2020 3.00PM to 6.00PM	Introduction Pain management pathways	6
3.9.2020&4.9.2020 3.00PM to 6.00PM	Critical illness neuropathy , Diagnosis and therapy	6
5.9.2020&7.9.2020 3.00PM to 6.00PM	Neurocritical care	6
8.9.2020&9.9.2020 3.00PM to 6.00PM	Chronic pain in critical care survivors	6
10.9.2020&11.9.2020 3.00PM to 6.00PM	Recent advance in neuralgia managements	6
12.9.2020 3.00PM to 6.00PM	Treatment patterns and options in pain management	3
Total		35

  
CO-ORDINATOR



  
PRINCIPAL  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com)

(Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## VALUE-ADDED COURSE

on

### “Gene Related Therapeutics”

## SUMMARY REPORT

A Value-Added Course for IV B. Pharmacy Students was organized by the Department of Pharmaceutical analysis at Vignan institute of pharmaceutical technology 01-09-2020 to 12-09-2020. The course was conducted virtually on at Vignan Institute of Pharmaceutical Technology, Duvvada, Visakhapatnam. The resource person for the course is **Dr. K. Daniel Raju**, Associate Professor, Vignan Institute of Pharmaceutical Technology, Visakhapatnam, Andhra Pradesh. The course started on 1.09.20 with the welcome address by the coordinator and introductory remarks by **Mrs. V. Jhansi**, Assistant Professor, VIPT. It ended on 12.09.20 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 Objective:

This course will lay the foundation for Pharmacology and help students understand the concept of developing a number of new nucleic acid-based therapies, which continue to improve the versatility of these genetic-based treatment approaches. In this course, student will start by building a fundamental understanding of gene therapy, then dive deeper with an in-depth look at important trends, research and advances in gene therapy and gains a clear understanding of how gene therapy works, how it has developed and advanced, and how much potential it has.

### Course Outcomes:

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

- Understand the role of gene in inherited diseases.
- Explain the use of various viral and bacterial vectors in transferring DNA.
- Explore the various applications of gene in therapy
- Understanding the risk and benefits related to gene therapeutics



*4 sivaiah*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com)

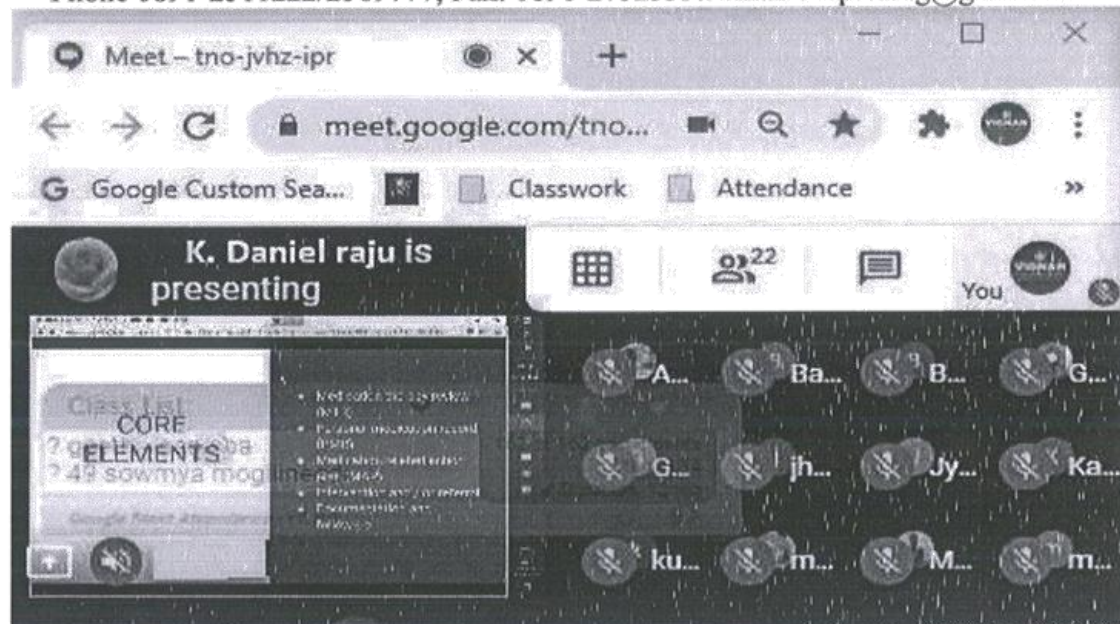
(Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)



Name of the Value added Course : **"Gene Related Therapeutics"**

Date: 01-09-2020 to 12-09-2020.



*[Signature]*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49





## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com)

(Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049, A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

### PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
01.09.20 9.30 AM to 12.30 PM & 2.00PM to 4.00 PM	Introduction : Introduction on Genes, Therapeutics , Role of Genes In Therapeutics, Appilications.	5
02.09.20 & 03.09.20 9.30 AM to 12.00 PM	Basic principles for getting nucleicacids into Cells	2.5 +2.5
03.09.20&04.09.20 9.30 AM to 12.00 PM	Viruses to transfer DNA	2.5 +2.5
05.09.20&07.09.20 9.30 AM to 12.00 PM	Approaches to clinical trials	2.5 +2.5
08.09.20&09.09.20 9.30 AM to 12.00 PM	Genome editing tools	2.5 +2.5
10.09.20&11.09.20 9.30 AM to 12.00 PM	Methodologies for successful RNAi	2.5 +2.5
12.09.20 9.30 AM to 12.30 PM & 2.00PM to 4.00 PM	Expression of non-coding RNAs to regulate disease	5
Total		35

*V. Thaj*  
CO-ORDINATOR



*Y. Srinivas*  
PRINCIPAL

VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



*Y. Srinivas*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## Value Added Course

on

## MEDICAL TERMINOLOGIES

### SUMMARY REPORT

A Value-Added Course for Pharm. D 1<sup>st</sup> Year Students was organized by the Department of Pharmacy Practice at Vignan Institute of Pharmaceutical Technology 03<sup>rd</sup> to 17<sup>th</sup> March 2021. The course was conducted virtually 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 03 March, 2021 with the welcome address by the coordinator and introductory remarks by the **Mr. P. Srinu**, Assistant Professor, VIPT. It ended on 17<sup>th</sup> March 2021 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 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.



*27/3/2021*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

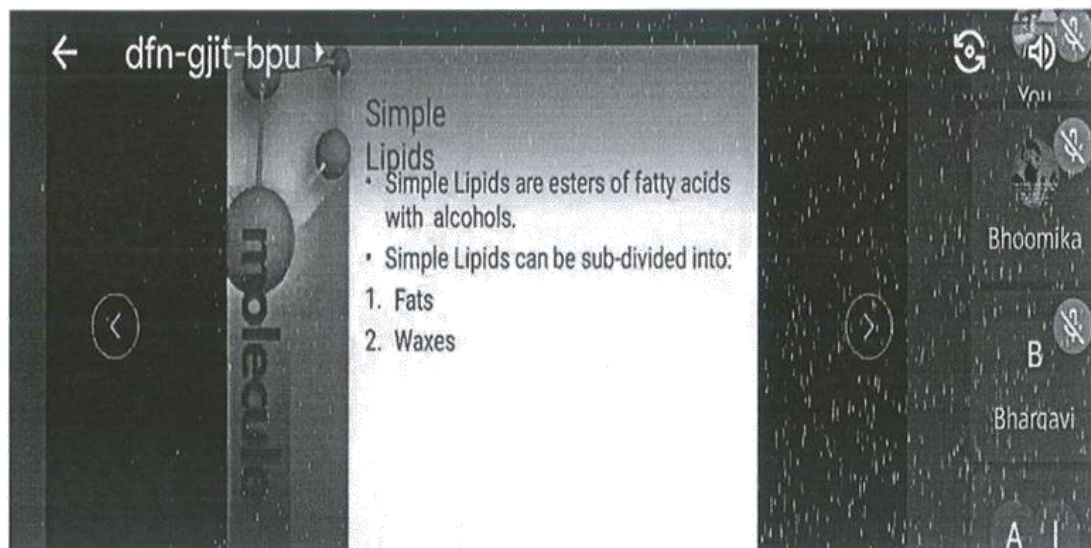
Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## PHOTOGRAPH:



Name of the Value added Course : **MEDICAL TERMINOLOGIES**  
Date: 03<sup>rd</sup> to 17<sup>th</sup> March 2021



*2. Subeesh*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333; email : viptvizag@gmail.com

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
03/03/2021 02:00PM to 05:00PM	<b>Medical terminologies</b> Introduction to different medical terminologies, applications.	3
04/03/2021 02:00PM to 05:00PM	<b>Medical terminologies</b> Basic abbreviations and terms used.	3
05/03/2021 02:00PM to 05:00PM	<b>Medical language and records</b> Case profile forms, patient profile forms, data collection forms, adverse reaction reporting forms, terms and structure.	3
06/03/2021 02:00PM to 05:00PM	Adverse reaction reporting forms, terms and structure.	3
08/03/2021 02:00PM to 05:00PM	<b>Integumentary system</b> Basic definitions in integumentary system, terminologies tests,	3
09/03/2021 02:00PM to 05:00PM	Tests, investigations, clinical manifestations.	3
10/03/2021 02:00PM to 05:00PM	<b>Musculoskeletal system</b> Basic definitions in Musculoskeletal system , terminologies	3
11/03/2021 02:00PM to 05:00PM	Tests, investigations, clinical manifestations.	3
12/03/2021 02:00PM to 05:00PM	<b>Cardiovascular system</b> Basic definitions in Cardiovascular system , terminologies,	3
15/03/2021 02:00PM to 05:00PM	Tests, investigations, clinical manifestations.	3
16/03/2021 02:00PM to 05:00PM	<b>Urinary system</b> Basic definitions in Urinary system ,terminologies, tests, investigations, clinical manifestations.	3
17/03/2021 02:00PM to 05:00PM	<b>Conclusion and Course final assessment</b> Application of different medical terms and assessment.	3
<b>Total</b>		<b>36</b>

*P. Shrinivas*

CO-ORDINATOR



*Principals*  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



*Principals*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## Value Added Course on Interpretation of Vital Signs

### SUMMARY REPORT

A Value Added Course for Pharm.D 2<sup>nd</sup> Year Students was Organized by the Department of Department of Pharmacy Practice at Vignan institute of pharmaceutical technology 06<sup>th</sup> to 18<sup>th</sup> July 2020. The Course was conducted virtually on “**INTERPRETATION OF VITAL SIGNS**”. The Resource Person for the Course was Dr. Wasim Feroz, Assistant Professor, Vignan Institute of Pharmaceutical Technology. The Course was started on 06<sup>th</sup> July 2020 with the welcome note by the Course Coordinator Mr. M. Vinod Kumar, Assistant professor, Vignan Institute of Pharmaceutical Technology. He has also Introduced the Resource Person to students. The Course has ended on 18<sup>th</sup> July 2020 with Concluding Remarks by the Resource Person. A total of 27 students Participated and Completed the Course. The overall feedback from the Participants Regarding the Course was Very Good.

#### Course Objective:

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 :

- Assessment of vital signs by clinicians.
- Better understanding of systolic and diastolic blood pressure, mean arterial pressure, and assessing blood pressure accurately.
- Better understanding of how health care providers assess metabolic rate.
- Explore the neurological pathways associated with pain, and the difference between pain tolerance and pain threshold.



*Principals*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## PHOTOGRAPHS:



Name of the Value added Course : **Interpretation of Vital Signs**

Date: 06th to 18th July 2020.



*7. Nivetha*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049, A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [yiptvizag@gmail.com](mailto:yiptvizag@gmail.com)

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
06-07-2020 02:00 to 05:00PM	<b>Introduction to vital signs</b> Clinical significance, major abbreviations and definitions, variations in vital signs.	3
07-07-2020 02:00 to 05:00PM	<b>Interpretation of Pulse/HeartRate</b> Definitions, normal values,	3
08-07-2020 02:00 to 05:00PM	Tachycardia, bradycardia, measurement techniques, interpretation.	3
09-07-2020 02:00 to 05:00PM	<b>Interpretation of Blood Pressure</b> Blood pressure definition. BP normal ranges, instruments, measurement techniques, hypertension, hypotension, disorders	3
10-07-2020 02:00 to 05:00PM	<b>Interpretation of Metabolism</b> Definition, disorders.	3
11-07-2020 02:00 to 05:00PM	Complete blood picture, lipid profile tests, kidney function tests and interpretation.	3
13-07-2020 02:00 to 05:00PM	<b>Interpretation of Temperature</b> Definition, different homeostatic mechanisms	3
14-07-2020 02:00 to 05:00PM	Hyperthermia, hypothermia, disorders and interpretation.	3
15-07-2020 02:00 to 05:00PM	<b>Interpretation of Respiration Rate</b> Definition respiratory capacities,	3
16-07-2020 02:00 to 05:00PM	Instruments, pulmonary function tests and interpretation.	3
17-07-2020 02:00 to 05:00PM	<b>Pain pathways</b> Definition of pain, Interpretation of Pain	3
18-07-2020 02:00 to 05:00PM	Pain: pain assessment scales and interpretation	3
<b>Total</b>		<b>36</b>

*M. Vignan*

CO-ORDINATOR



*Y. Srinivas*  
PRINCIPAL

PRIN  
VIGNAN INS.  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-530049



*Y. Srinivas*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## VALUE ADDED COURSE on CLINICAL SKILLS FOR HEALTH CARE PROVIDERS SUMMARY REPORT

A Value Added Course for Pharm.D 3<sup>rd</sup> Year Students was Organized by the Department of Department of Pharmacy Practice at Vignan institute of pharmaceutical technology 13<sup>th</sup> to 25<sup>th</sup> July 2020 virtually. The Course was conducted virtually on "CLINICAL SKILLS FOR HEALTH CARE PROVIDERS". The Resource Person for the Course was **Mr.M.Vinod Kumar**, Assistant Professor, Vignan Institute of Pharmaceutical Technology. The Course was started on 13<sup>th</sup> July 2020 with the welcome note by the Course Coordinator **Dr.Wasim Feroz**, Assistant professor, Vignan Institute of Pharmaceutical Technology, He has also Introduced the Resource Person to students. The Course has Ended on 25<sup>th</sup> July 2020 with Concluding Remarks by the Resource Person. A total of 19 students Participated and Completed the Course. The overall feedback from the Participants Regarding the Course was very Good.

### Course Objective:

This course is designed with a singular goal: to improve the care you provide to your patients with substance use disorders.

### Course Outcomes:

Upon Completion of the Course :

- You will ultimately be prepared to provide compassionate and evidence-based care to a large population of patients living with addiction a chronic, often relapsing-remitting disease, but a treatable one.



*g. sivar*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





## VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

### PHOTOTGRAPH:



Name of the Value added Course : **CLINICAL SKILLS FOR HEALTH CARE PROVIDERS**

Date: 13/07/20 to 25/07/20



*Y. Srinivas*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
13-07-2020 01:00 to 4:00pm	Compassion toward patients with substance use Disorders Mental/emotional, physical, and behavioural problems such as chronic guilt; an inability to reduce or stop consuming the substance(s) despite repeated attempts	3
14-07-2020 01:00 to 4:00pm	Compassion toward patients with substance use disorders- driving while intoxicated; and physiological withdrawal symptoms.	3
15-07-2020 01:00 to 4:00pm	Recommending treatment options- Question, identifying management options and outcomes, collecting.	3
16-07-2020 01:00 to 4:00pm	Recommending treatment options- Summarizing evidence, and applying value judgments or preferences to arrive at an optimal course of action.	3
17-07-2020 01:00 to 4:00pm	Interpretation of patients condition Sorts of explanations, patient leaflets, explanation framework.	3
18-07-2020 01:00 to 4:00pm	Interpretation of patients condition importance for recovery, provisional and differential diagnosis. testing (ordering, reviewing, and acting on test results) reaching a final diagnosis.	3
20-07-2020 01:00 to 4:00pm	Management of patients with substance use disorders- Individual, group or family therapy nature of addiction, becoming drug-free and preventing relapse	3
21-07-2020 01:00 to 4:00pm	Management of patients with substance use disorders. Levels of care and settings that vary depending on your needs, such as outpatient, residential and inpatient programs.	3
22-07-2020 01:00 to 4:00pm	Psychosocial or behavioural therapies for patients with substance use disorders- Family-based treatment. Motivational interviewing. Cognitive-behavioral therapy (CBT) Contingency management training.	3
23-07-2020 01:00 to 4:00pm	Psychosocial or behavioural therapies Screening and brief intervention. School-based treatment. Addiction counseling. Mutual help groups.	3
24-07-2020 01:00 to 4:00pm	Societal factors-Lifestyle include wealth, religion, buying habits, education level	3
25-07-2020 01:00 to 4:00pm	Societal factors-family size and structure and population density.	3
Total		36

*Wahim feloz*  
CO-ORDINATOR

*Y. Srinivas*  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



*Y. Srinivas*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## Value Added Course on PATIENT SAFETY IN HEALTH CARE SUMMARY REPORT

A Value Added Course for Pharm D 4<sup>th</sup> Year Students was organized by the Department of Pharmacy Practice at Vignan Institute of Pharmaceutical Technology from 15<sup>th</sup> to 29<sup>th</sup> June 2020 virtually. The course was conducted on “Patient Safety in Health Care” virtually. The resource person for the course is **Mr. P. Srinu, Assistant Professor, Vignan Institute of Pharmaceutical Technology**. He has experience to train students and industrial persons in Patient safety in various organizations. The course started on 15<sup>th</sup> June 2020 with the welcome address by the coordinator and introductory remarks by the head of the Department **Dr K. Raj Kiran, Professor, VIPT**. It ended on 29<sup>th</sup> June 2020 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 Patient Safety In Health Care and help students understand the relationship between medical errors and patient safety events.

### Course Outcomes:

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

- Understand the concepts of patient safety and impact of patient safety events in health care facilities.
- Understand the role of leadership in managing patient safety events.
- Understand styles and methods of leadership that impact the quality and patient safety.
- Understand how to interpret and use generic patient safety goals to prevent patient safety events.
- Understand the principles and concepts of culture of safety, and how to perform an organizational assessment.
- Develop competencies in using a four-step change management model to support improvement projects.
- Describe the relationship between medical errors and patient safety events.



*4 Srinu*  
**PRINCIPAL**  
**VIGNAN INSTITUTE OF**  
**PHARMACEUTICAL TECHNOLOGY**  
Beside: VSEZ, Duvvada, Visakhapatnam-46



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

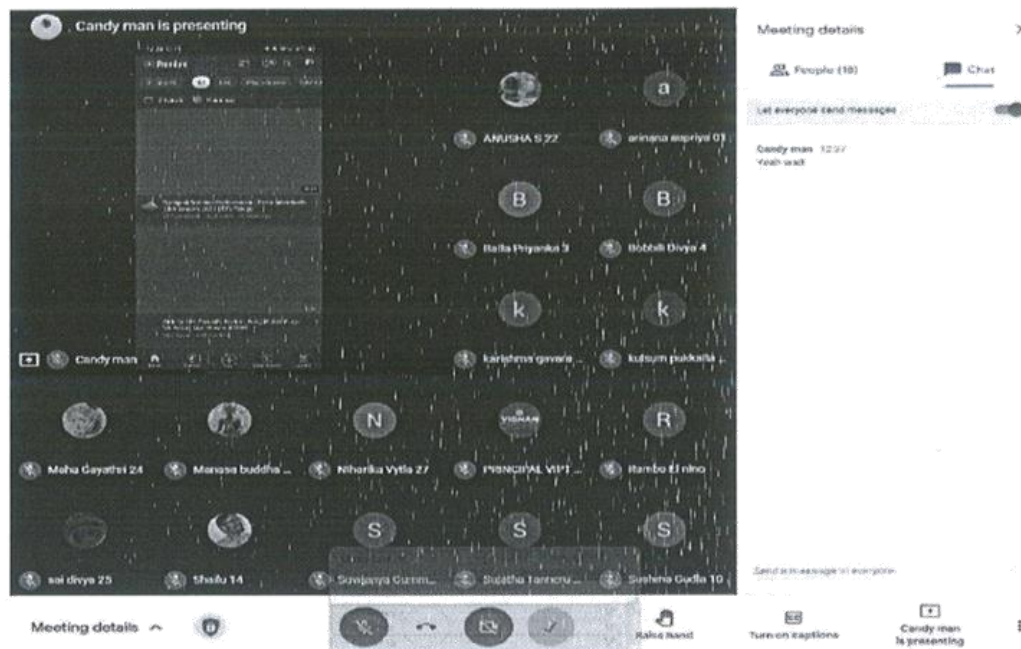
www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com



Name of the Value added Course : **PATIENT SAFETY IN HEALTH CARE**  
Date: 15<sup>th</sup> to 29<sup>th</sup> June 2020



*27 June 2020*  
**PRINCIPAL**  
**VIGNAN INSTITUTE OF**  
**PHARMACEUTICAL TECHNOLOGY**  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
15/06/2020 02:00 to 05:00PM	<b>Guidelines and Safety Practices for Improving Patient Safety-</b> The Need to Understand Guidelines Before Improving Safety, The Current Patient Safety Picture and the Demand for Guidelines, Implementing the Research on Patient Safety to Improve Clinical Practice, The Challenges of Improving Safety and the Current Limits of Guidelines	3
16/06/2020 02:00 to 05:00PM	<b>Human Error and Patient Safety-</b> Introduction, What Is an Error? Understanding Error, Understanding the Influence of the Wider System	3
17/06/2020 02:00 to 05:00PM	The History of Patient Safety and Quality Improvement-	3
18/06/2020 02:00 to 05:00PM	Patients for Patient Safety- What is Co-production in Healthcare? Co-Production in research, Co-production in Medical Professions Education Courses, Co-production in Healthcare Organization Quality Improvement: An Overview	3
19/06/2020 02:00 to 05:00PM	<b>Human Factors and Ergonomics in Health Care and Patient Safety from the Perspective of Medical Residents-</b> Introduction, Application of SEIPS Model to Medical Residents, Challenges and Trade-Offs in Improving Residents' Work System,	3
20/06/2020 02:00 to 05:00PM	<b>Patient Safety in the World-</b> Introduction, Epidemiology of Adverse Events.	3
22/06/2020 02:00 to 05:00PM	Most Frequent Adverse Events, Implementation Strategy, Recommendations and Future Challenges	3
24/06/2020 02:00 to 05:00PM	<b>Infection Prevention and Control-</b> Introduction, Main Healthcare-Associated Infection, Antimicrobial Resistance, Healthcare-Associated Infection Prevention, Risk Management Tools,	3
25/06/2020 02:00 to 05:00PM	Engaging Patients and Families in Infection Prevention, Identification and Rapid Management of Sepsis: A Test Bed for the Integration of Risk Management and IPC	3
26/06/2020 02:00 to 05:00PM	<b>Patient Safety Management</b> Contextualizing Patient Safety in the Patient Journey, Recommendations	3
27/06/2020 02:00 to 05:00PM	Adverse Event Investigation and Risk Assessment- Risk Management in Complex Human Systems and Organizations, First Order and Second Order Problem Solving	3
29/06/2020 02:00 to 05:00PM	<b>Patient Safety Management</b> Clinical Risk Management, Systemic Analysis of Adverse Events, Analysis of Systems and Processes Reliability An Integrated Vision of Patient Safety	3
<b>Total Hrs</b>		<b>36</b>

*S. H.*  
CO-ORDINATOR

*Y. Srinivas*  
PRINCIPAL



VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46

VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



Value Added Course  
on  
**Basics of SAS Programming**

## SUMMARY REPORT

A Value-Added Course for Pharm.D V<sup>th</sup> Year Students was organized by the Department of Pharmacy Practice at Vignan Institute of Pharmaceutical Technology 18<sup>th</sup> May 2020 to 01<sup>st</sup> June 2020 virtually. The course was conducted on “**Basics of SAS Programming**”. The resource person for the course is **Mr. KRVS CHAITANYA**, Assistant Professor, Vignan Institute of Pharmaceutical Technology, Visakhapatnam, Andhra Pradesh. The course started on 18-05-2020 with the welcome address by the coordinator. It ended on 01-06-2020 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 Objectives:** This course will enable you to understand and use the fundamentals of the SAS programming language, Access different types of data, Apply SAS programming principles in practical examples

**Course Outcomes:**

Upon completion of the course,

1. To use SAS Studio to write and submit SAS programs that access SAS, Microsoft Excel, and text data.
2. To explore and validate data, prepare data by sub setting rows and computing new columns, analyze and report on data, export data and results to other formats, use SQL in SAS to query and join tables.
3. To understand and control DATA step processing, create an accumulating column and process data in groups.
4. Manipulate data with functions, convert column type, create custom formats



*g. siveetha*  
— PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

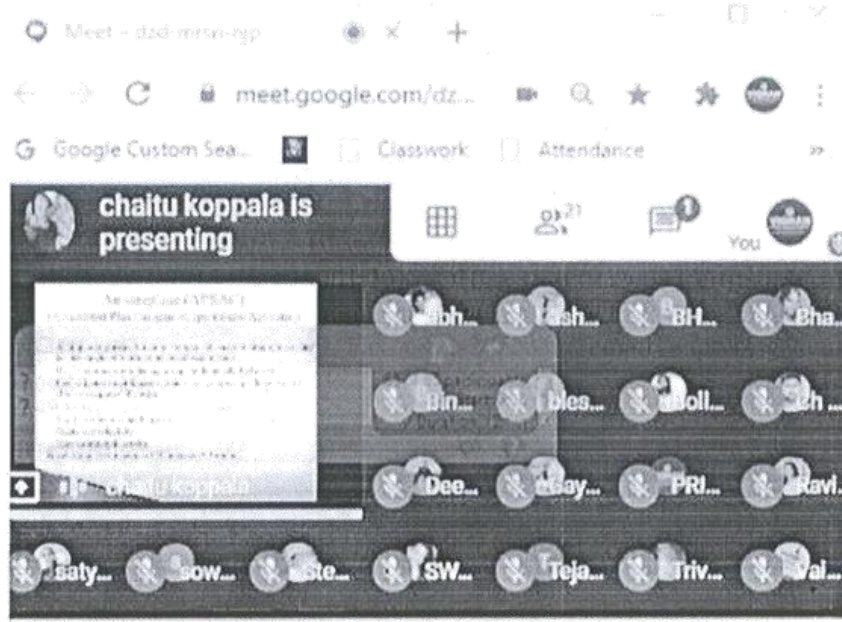
Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## Photograph:



*4 signed*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049, A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333; email : viptvizag@gmail.com

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
18 <sup>th</sup> May 2020 02:00 to 05:00PM	Getting Started with SAS Programming- Comfortably navigate the SAS window environment, Subset and create new datasets.	3
19 <sup>th</sup> May 2020 02:00 to 05:00PM	Getting Started with SAS Programming- Write and debug basic SAS programs. Use SAS function for basic data management tasks.	3
20 <sup>th</sup> May 2020 02:00 to 05:00PM	Getting Started with SAS Programming- Merge and append data. Modify SAS output for presentation.	3
21 <sup>st</sup> May 2020 02:00 to 05:00PM	Course Overview and DataSetup- As file stored in a SAS library that SAS creates and processes	3
22 <sup>nd</sup> May 2020 02:00 to 05:00PM	Course Overview and DataSetup- Data values that are organized as a table of observations (rows) and variables (columns) that can be processed by SAS software	3
25 <sup>th</sup> May 2020 02:00 to 05:00PM	Course Overview and DataSetup- Descriptor portion. Data portion, SAS programming tools and the fundamentals of SAS program structure and syntax.	3
26 <sup>th</sup> May 2020 02:00 to 05:00PM	SAS Programming Interfaces- Exploring and Validating Data	3
27 <sup>th</sup> May 2020 02:00 to 05:00PM	SAS Programming Interfaces- common data manipulations, such as filtering rows and columns, computing new columns, and performing conditional processing.	3
28 <sup>th</sup> May 2020 02:00 to 05:00PM	SAS Program Structure- data step, PROC step, output step.	3



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

29 <sup>th</sup> May 2020 02:00 to 05:00PM	SAS Program Structure- Data set, label, variables, values, and run.	3
30 <sup>th</sup> May 2020 02:00 to 05:00PM	Exploring Data with Procedures- export SAS tables and results to Excel, Microsoft Word, and PDF files.	3
01 <sup>st</sup> June 2020 02:00 to 05:00PM	Exploring Data with Procedures- QL procedure to read and filter data. You also learn to create and join tables by using SQL.	3
Total		36 Hrs

  
CO-ORDINATOR



  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## VALUE ADDED COURSE On PHARMACEUTICAL MANAGEMENT AND MARKETING SUMMARY REPORT

A Value Added Course for M. Pharmacy Students organized by the Department of Pharmaceutics at Vignan Institute of Pharmaceutical Technology from 3<sup>rd</sup> to 11<sup>th</sup> May 2021. The course was conducted on "**Pharmaceutical Management and Marketing**". The resource person for the course is **Dr. G. Chandra Sekhara Rao, Professor**, Yalamarthy College of pharmacy, AP. The course started on 3<sup>rd</sup> May 2021 with the welcome address by the coordinator **Dr. P.V. Kamala Kumari, Professor**. It ended on 11<sup>th</sup> May 2021 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 Objectives:

- To Describe the concept of pharmaceutical marketing
- To Enumerate the concept of product management in pharmaceutical industry
- Discuss the various components of promotion of pharmaceutical products
- Explain the different pharmaceutical marketing channels
- Discuss the emerging concepts of marketing

### Course Outcomes:

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

- A thorough overview of the general principles of marketing including marketing as a process
- Marketing effectiveness in the pharmaceutical environment
- A coverage of marketing brand and generic drugs with special emphasis on direct-to-consumer advertising and the impact of social media and technology



*Handwritten signature*

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

The screenshot shows a Zoom meeting in progress. On the left, a grid of 12 participants is visible, each with a circular profile picture. Some participants have their first letter displayed in a circle (P, N, J, R, S, M). On the right, the 'Meeting details' sidebar is open, showing 22 people in the meeting. Below the participant list, a chat window is active, displaying messages from 'You' and several participants, all starting with 'Good morning'. A notification at the bottom right states 'Jyotirmayee Sahoo joined'.

Name of the Value added Course: **Pharmaceutical Management and Marketing**

Date: 3<sup>rd</sup> to 11<sup>th</sup> May 2021



*2 weeks*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
3 <sup>rd</sup> May 2021 01:00PM to 04:00PM	Introduction and Fundamental rules in Marketing: Value of Marketing, The Characteristic of The Market, Characteristic, Structure And Organization of Pharmaceutical Market	5
4 <sup>th</sup> May 2021 01:00PM to 04:00PM	Management of Pharmaceutical Marketing: Process of Marketing Management, Marketing Management And Its Evolution, The Organizational Structure of Services Marketing	5
5 <sup>th</sup> May 2021 01:00PM to 04:00PM	Marketing Research and the Information, Marketing Information Systems: The purpose, objects and methods of marketing research, The value of the pharmaceutical information, marketing information systems	5
6 <sup>th</sup> May 2021 01:00PM to 04:00PM	Methods and systems of Distribution of Pharmaceutical product	5
7 <sup>th</sup> May 2021 01:00PM to 04:00PM	Sales Promotion of Pharmaceutical Goods: Personal Selling. Network And Direct Marketing, Exhibitions And Trade Fairs, Advertising on Point of Selling, Merchandising In Pharmacies Enterprises And Institutions	5
10 <sup>th</sup> May 2021 01:00PM to 04:00PM	Forms of entering of Pharmaceutical companies on Foreign Markets: Strategy of International Marketing	5
11 <sup>th</sup> May 2021 01:00PM to 04:00PM	Pricing policy in International Marketing, Promotion of medicines in Foreign Markets: Office of International Marketing	5
Total		35

  
CO-ORDINATOR

  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49

  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## Certificate Programme on Enantiomeric Chromatography in Drug Discovery

### SUMMARY REPORT

A Certificate programme on **Enantiomeric Chromatography in Drug Discovery** for M.Pharmacy 1<sup>st</sup> Year Students of Pharmaceutical Analysis was organized by the Department of Pharmaceutical Analysis at Vignan institute of Pharmaceutical Technology from 03<sup>rd</sup> to 12<sup>th</sup> May, 2021. The resource person for the course is **Mrs. R. Deepthi**, Assistant Professor, Department of Pharmaceutical Analysis, Vignan institute of Pharmaceutical Technology, Duvvada, Visakhapatnam, A.P, India. The course started on 03<sup>rd</sup> May, 2021 with the welcome address by the coordinator **Mr. K. Varaprasada Rao**, Assistant Professor, VIPT and introduced the resource person. It ended on 12<sup>th</sup> May, 2021 with concluding remarks by the resource person. A total of 14 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 Enantiomeric Chromatography on HPLC and SFC on Chiral Stationary Phases (CSPs) 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 Enantiomeric Chromatographic Separation.
- Understand the application of emerging technology of Supercritical Fluid Chromatography.
- Perform quantitative and qualitative analysis of enantiomers using various analytical Instruments.



*q. sivech*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

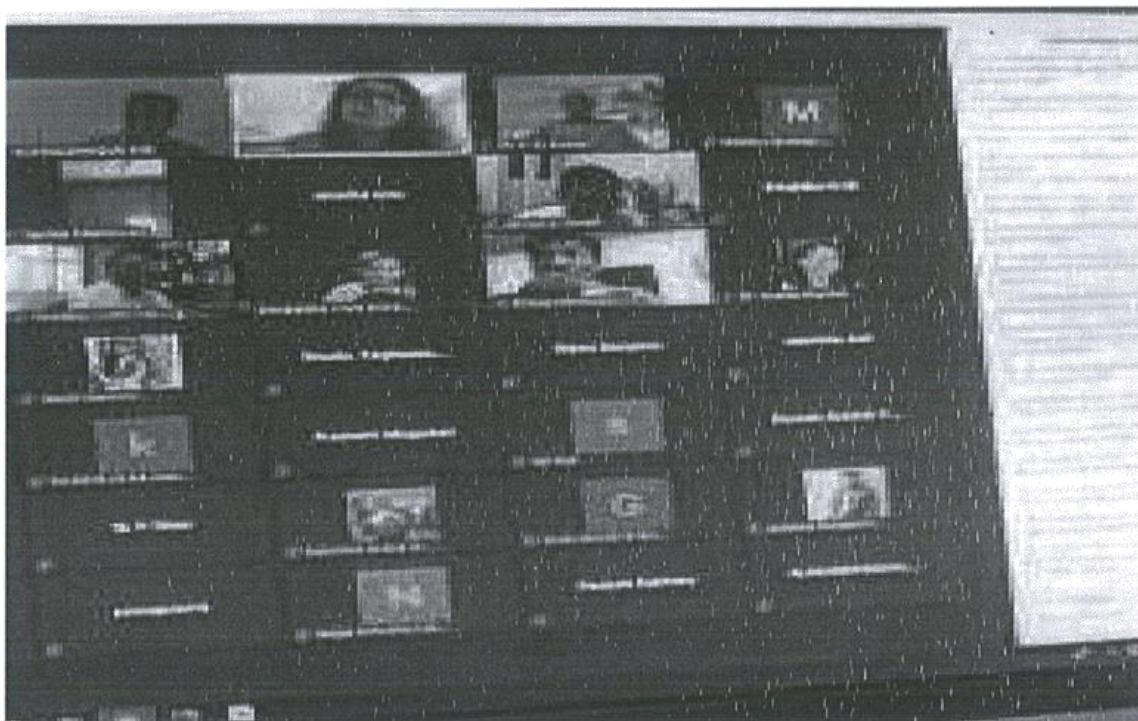
www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049, A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com



Name of the Value added Course : Enantiomeric Chromatography in Drug Discovery

Date: 03<sup>rd</sup> to 12<sup>th</sup> May 2021



*Y. Subrah*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

www.vignanpharma.com (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd. 2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : viptvizag@gmail.com

## PROGRAM SCHEDULE


Date& Time	Topic	No. of Hours
03.05.21 9:30-12.30 pm	Techniques of enantioselective chromatography on CSPs- • Gas chromatography (GC) • Capillary electrophoresis (CE) • Thin-layer liquid chromatography (TLC) • High performance liquid chromatography (HPLC) • Supercritical fluid chromatography (SFC)	3
04.05.21 9:30-12.30 pm		3
05.05.21 9:30-12.30 pm & 1:30- 4:30 pm	HPLC and SFC CSPs under different mobile-phase Modes- • Pirkle-type CSPs • Derivatized polysaccharide CSPs • Macrocyclic-type CSPs • Ligand exchange-type CSPs • Protein-based CSPs • Other polymer-type CSPs	6
06.05.21 9:30-12.30 pm & 1:30- 4:30 pm	Macrocyclic CSPs- Characterisation of Chirobiotic columns, Application profiles for Chirobiotic CSPs, Method Development	6
07.05.21 9:30-12.30 pm & 1:30- 4:30 pm	Polysaccharide CSPs- Introduction, Methods Development, Chiral Selectivities And Efficiencies, Immobilized Vs Coated Csp.s.	6
10.05.21 9:30-12.30 pm & 1:30- 4:30 pm	Strategies for fast enantioselective method development in drug discovery- Introduction, The classical commercial CSPs, Newly-developed CSPs, Design methods for prospective CSPs, Method development in bioanalytical SFC, Two dimensional SFC methods for nantioseparation, Hyphenated detectors in SFC, Sample preparation in chiral bioanalyses, Validation, Selected applications of enantioselective SFC method.	6
11.05.21 9:30-12.30 pm & 12.05.21 9:30-12.30 pm	Considerations of laboratory-scale preparative enantioseparation in drug discovery- Introduction, Trends in Chiral Separations on Preparative Scale in Early Phases of Drug Discovery and Development, Control Measures and Lab Infrastructure, Equipment, case studies.	6
<b>Total</b>		<b>36</b>

  
CO - ORDINATOR



  
PRINCIPAL



  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-49





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## VALUE-ADDED COURSE

on

### Animal Dose Calculation and Interpretation 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 3<sup>rd</sup> May to 12<sup>th</sup> May 2021. The course was conducted virtually on "*Animal Dose Calculation and Interpretation*". The resource person for the course is **Dr. K. Eswar Kumar, Associate Professor, Andhra University College of Pharmaceutical Sciences**. The course started on 3<sup>rd</sup> May 2021 with the welcome address by the coordinator **MR. K.V.R.S.Chaitanya**, Assistant Professor, VIPT. It ended 12<sup>th</sup> May 2021 with concluding remarks by the resource person. A total of 4 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 dose calculations in animals; determine the best injection site, route and dosage forms for the treatment of a particular condition in a particular species and class of animal.

#### Course Outcomes:

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

- Understand the different routes of drug administration and their relative advantages and disadvantages.
- Understand different issues such as volume of administration, site of delivery, pH of the substance, and other factors to refine the technique.
- Differentiate the techniques of drugs administration and identify the site of drug injection.
- Identify the procedures for various techniques of drug administration.



*Y. Suresh*  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46





# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

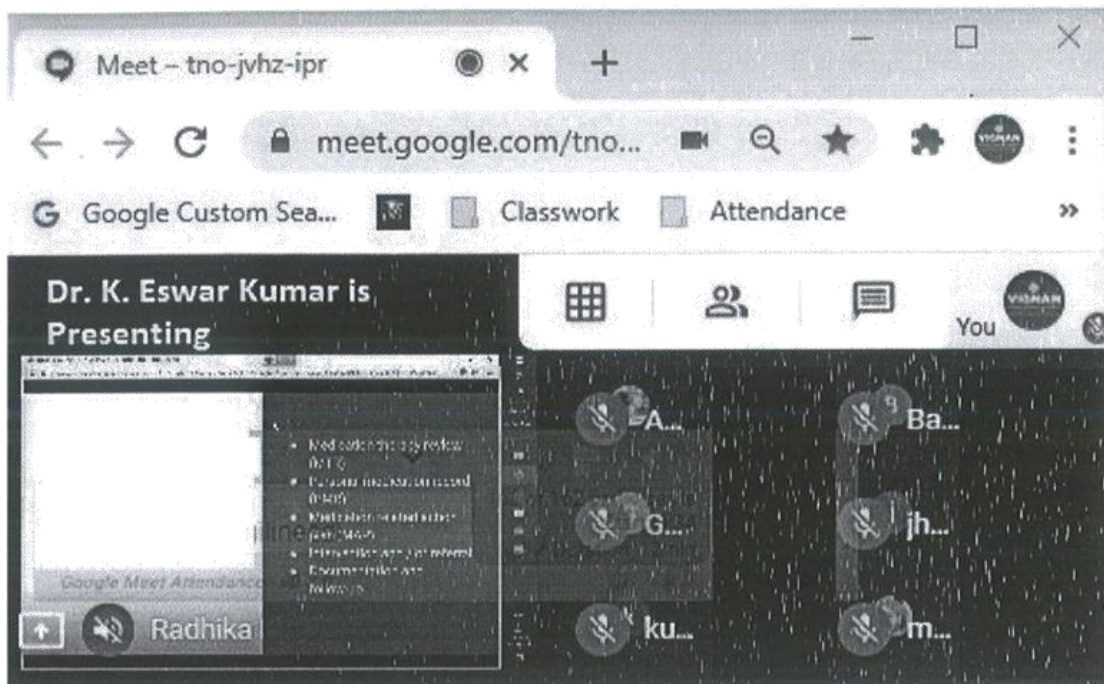
[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK)

Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)



Name of the Value added Course : **Animal Dose Calculation and Interpretation**

Date: 3<sup>rd</sup> to 17<sup>th</sup> May 2021



*Y. Suresh*

For  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam-46



# VIGNAN INSTITUTE OF PHARMACEUTICAL TECHNOLOGY

[www.vignanpharma.com](http://www.vignanpharma.com) (Approved by AICTE, PCI New Delhi & Affiliated to JNTUK) Estd.2006

An ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certified Institution

Beside VSEZ, Kapujaggaraju peta Duvvada, Visakhapatnam-530049. A.P

Phone 0891-2511222/2589777, Fax: 0891-2752333:: email : [viptvizag@gmail.com](mailto:viptvizag@gmail.com)

## PROGRAM SCHEDULE

Date& Time	Topic	No. of Hours
3 <sup>rd</sup> May 2021 1.00PM-5.00PM	Introduction to different animals and their studies	4
4 <sup>th</sup> May 2021 1.00PM-5.00PM	Role of animals in disease treatment and Equipments used in dosage measurement	4
5 <sup>th</sup> May 2021 1.00PM-5.00PM	Defined Daily Dose for Animals (DDDA) and Defined Course Dose for Animals (DCDA)	4
6 <sup>th</sup> May 2021 1.00PM-5.00PM	Drug dosage calculations and convert between units.	4
7 <sup>th</sup> May 2021 1.00PM-5.00PM	Use of BSA and body weight for Dose Translation	4
10 <sup>th</sup> May 2021 1.00PM-6.00PM	Human equivalent dose calculation based on body surface area	5
11 <sup>th</sup> May 2021 1.00PM-6.00PM	Interpretation of animal dose and human equivalent dose for drug development	5
12 <sup>th</sup> May 2021 1.00PM-6.00PM	Introduction to different animals and their studies	5
Total		30

  
COORDINATOR

  
PRINCIPAL

PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam



  
PRINCIPAL  
VIGNAN INSTITUTE OF  
PHARMACEUTICAL TECHNOLOGY  
Beside: VSEZ, Duvvada, Visakhapatnam