



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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1.2.2: Number of add on / certificate programs offered during academic year: 2022 - 2023.

1.2.2: Number of students enrolled in certificate / add on programs as against the total number of students during the year: 2022- 2023.

INDEX

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DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy/2022-23/01

Date: 02-08-2022

CIRCULAR

This is to inform all the students of third year Pharm D that a value-added course will be conducted on the topic **“High Performance Liquid Chromatography & its usage in assessing Hg in human blood”** from 16/08/2022 to 22/08/2022. Interested students are required to sign-up for the above-mentioned course with **“GEDELA VERMA”** Pharma Trainee, Crystal Management services.



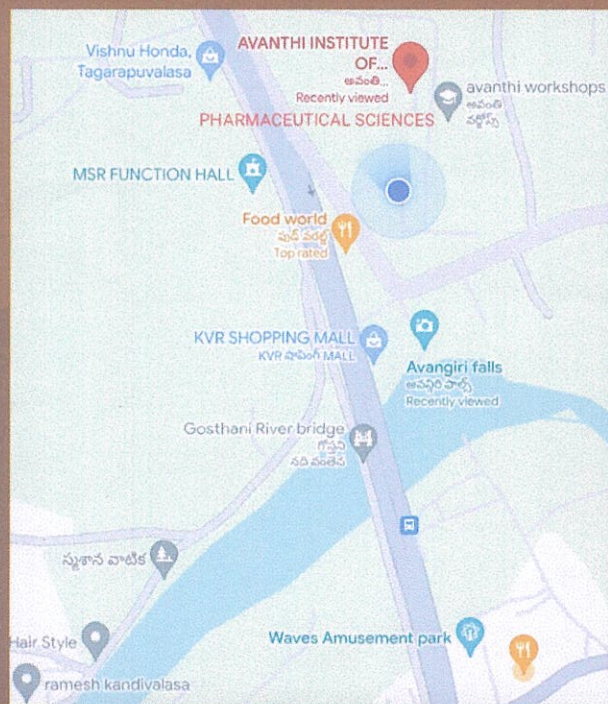

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Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE. The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapuvalasa Bridge adjacent to NH-16. Students of Avanthi boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU.

Route Map



Organizing Committee

Cheif Patron

Smt. M.Gnaneshwari,
Chairperson, AIPS

Patron

Dr. M.B.V.Raju, Principal, AIPS

Convener

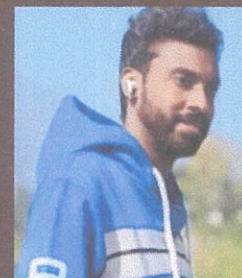
V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate
Professor

Resource Person

Mr. G. P. Verma,
Pharma trainer,



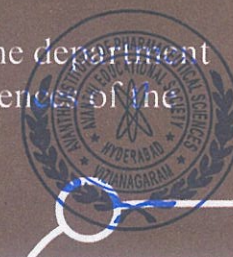
C.M.S

Organizing Committee

Mr. K. Venkata Radhika, Assistant
Professor
Dr. T. Rushi, Assistant Professor
Dr. D. Subha Sri, Assistant Professor

Members

All the faculty from the department
of Pharmaceutical Sciences of the
host institute



6 Days Workshop

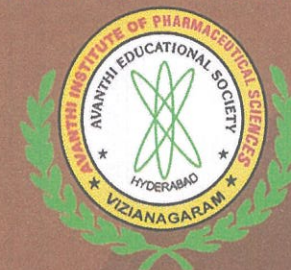
On

**High Performance Liquid
Chromatography and its
usage in assessing Hg values
in Human blood**

16-08-2022 to 22-08-2022

Organized By:

**DEPARTMENT OF
PHARMACY PRACTICE**



**AVANTHI INSTITUTE OF
PHARMACEUTICAL
SCIENCES**

(APPROVED BY PCI, A.I.C.TE, NEW
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VIZIANAGARAM)

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Course Title	: High Performance Liquid Chromatography and its use in assessing Hg values in Human blood
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Mr. G. P. Verma, Pharma trainer, C.M.S., Dwarakanagar, Visakhapatnam
Course Coordinator	: Dr. V. C. Randeep Raj, Associate Professor
Dates	: 16-08-2022 to 22-08-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2022/01

Objective:

- To confirm the identity of a drug and provide quantitative results
- Also to monitor the progress of the therapy of a disease

Outcomes:

- Accuracy
- Precision
- High-speed Analysis
- Precise flow rate and control




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Syllabus

1. Introduction to HPLC

- a. Overview of Chromatography
 - Definition and types of chromatography
 - Principles of separation
- b. Introduction to HPLC
 - Basic components and instrumentation
 - Key differences between HPLC and other chromatographic techniques

2. HPLC Principles and Techniques

- a. Principles of HPLC Separation
 - Stationary and mobile phases
 - Retention time and resolution
- b. Instrumentation in HPLC
 - Pumps, columns, detectors, and injectors
 - Data acquisition and analysis

3. Mercury Analysis Techniques

- a. Introduction to Mercury Analysis
 - Sources and forms of mercury
 - Health implications of mercury exposure
- b. Methods for Mercury Analysis
 - Overview of different analytical techniques for mercury determination
 - Advantages and disadvantages of each method

4. HPLC in Mercury Analysis

- a. HPLC Applications in Environmental and Biological Samples
 - Overview of HPLC in mercury analysis
 - Sample preparation techniques for blood analysis
- b. Quantitative Analysis of Mercury in Blood Samples
 - Calibration curves and standards
 - Quality control and assurance in HPLC analysis

5. HPLC Method Development and Optimization

- a. Method Development in HPLC
 - Choosing appropriate columns and mobile phases
 - Optimization of chromatographic conditions
- b. Troubleshooting in HPLC
 - Common issues and solutions in method development
 - Maintaining system performance




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Referencebook: High Performance Liquid Chromatography in Phytochemical Analysis by
Monica H. P. Selvamani.

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	16-08-2022	6hrs	1. Introduction to HPLC a. Overview of Chromatography <ul style="list-style-type: none">• Definition and types of chromatography• Principles of separation b. Introduction to HPLC <ul style="list-style-type: none">• Basic components and instrumentation• Key differences between HPLC and other chromatographic techniques
2.		17-08-2022	6hrs	2. HPLC Principles and Techniques a. Principles of HPLC Separation <ul style="list-style-type: none">• Stationary and mobile phases• Retention time and resolution b. Instrumentation in HPLC <ul style="list-style-type: none">• Pumps, columns, detectors, and injectors• Data acquisition and analysis
3.		18-08-2022	6hrs	3. Mercury Analysis Techniques a. Introduction to Mercury Analysis <ul style="list-style-type: none">• Sources and forms of mercury• Health implications of mercury exposure b. Methods for Mercury Analysis <ul style="list-style-type: none">• Overview of different analytical techniques for mercury determination• Advantages and disadvantages of each method




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ESTD : 2005

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TIMETABLE

CLASS: III PHARM. D

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	High Performance Liquid Chromatography and its usage in assessing Hg values in Human blood	Break	High Performance Liquid Chromatography and its usage in assessing Hg values in Human blood	Lunch	High Performance Liquid Chromatography and its usage in assessing Hg values in Human blood	High Performance Liquid Chromatography and its usage in assessing Hg values in Human blood	Break	High Performance Liquid Chromatography and its usage in assessing Hg values in Human blood	High Performance Liquid Chromatography and its usage in assessing Hg values in Human blood
TUE									
WED									
THU									
FRI									
SAT									


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				regulations • Reporting requirements for mercury values in human blood
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Assessment:

- 1. What does HPLC stand for?**
 - a. High Precision Liquid Chromatography
 - b. High Performance Liquid Chromatography
 - c. Highly Polarized Liquid Chromatography
 - d. High Purity Liquid Chromatography
- 2. Which of the following is the primary principle behind HPLC separation?**
 - a. Filtration
 - b. Distillation
 - c. Chromatography
 - d. Crystallization
- 3. What is the role of the stationary phase in HPLC?**
 - a. It remains stationary to allow separation.
 - b. It moves to facilitate separation.
 - c. It reacts with the sample.
 - d. It evaporates during the process.
- 4. What type of detector is commonly used in HPLC for quantifying analytes?**
 - a. Refractive Index Detector (RID)
 - b. Ultraviolet-Visible (UV-Vis) Detector
 - c. Mass Spectrometer (MS)
 - d. All of the above
- 5. How does HPLC aid in assessing mercury (Hg) values in human blood?**
 - a. By direct measurement of mercury concentration
 - b. By separating and quantifying mercury species
 - c. By measuring the color change in blood samples
 - d. By assessing the pH of blood samples
- 6. Which mercury species is often targeted in HPLC analysis of human blood?**
 - a. Elemental Mercury (Hg⁰)
 - b. Methylmercury (CH₃Hg⁺)
 - c. Inorganic Mercury (Hg²⁺)
 - d. All of the above
- 7. Why is HPLC preferred for assessing mercury levels over other methods?**
 - a. It provides rapid results
 - b. It offers high sensitivity and selectivity
 - c. It requires minimal sample preparation
 - d. All of the above
- 8. Which chromatographic column is commonly used in HPLC for mercury analysis?**
 - a. Gas Chromatography Column
 - b. Reverse Phase Column
 - c. Size Exclusion Column
 - d. Ion Exchange Column




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9. In HPLC, what is the purpose of the mobile phase?
- It remains stationary during separation.
 - It dissolves the sample components.
 - It reacts with the stationary phase.
 - It measures the pressure in the column.
10. What is the significance of peak retention time in HPLC analysis?
- It indicates the time taken for the sample to pass through the column.
 - It represents the time when the detector is turned on.
 - It is unrelated to the separation process.
 - It measures the pressure of the mobile phase.


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Date : 16-08-2022 to 22-08-2022
No. of Students Enrolled : 22
Subject : "High Performance Liquid Chromatography and its usage in assessing Hg values in Human blood" III Pharm. D

S. No	Roll No	Student Name
1	20T51T0001	Amireddy Priyanka
2	20T51T0002	Arabolu Rohitha
3	20T51T0003	Balantrapu Kavaya Sri
4	20T51T0004	Charakani Gowthami
5	20T51T0005	Chavali Arunakumari
6	20T51T0006	Chilla Anitha Reddy
7	20T51T0007	Dantukurti Lalitha
8	20T51T0008	Doddi Sai Jyothi Poojitha
9	20T51T0009	Gedda Tarun
10	20T51T0010	Gompa Varshini
11	20T51T0011	Guravana Sireesha
12	20T51T0012	Kanuri Sai Lavanya
13	20T51T0013	Kotana Anoohya
14	20T51T0016	Mohammed Aarifa Mushrafi Rizvi
15	20T51T0017	Pedada Sindhuja
16	20T51T0018	PillaLikitha Satya Ganga Sivani
17	20T51T0019	Puppala Sowmya
18	20T51T0020	Swetha Sri Sahu



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6. Ethical and Regulatory Considerations

a. Ethical Considerations in Mercury Analysis

- Ensuring data integrity and accuracy
- Responsible reporting and communication of results

b. Regulatory Guidelines for Mercury Analysis


- Compliance with environmental and health regulations
- Reporting requirements for mercury values in human blood


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4.		19-08-2022	6hrs	<p>4. HPLC in Mercury Analysis</p> <p>a. HPLC Applications in Environmental and Biological Samples</p> <ul style="list-style-type: none">• Overview of HPLC in mercury analysis• Sample preparation techniques for blood analysis <p>b. Quantitative Analysis of Mercury in Blood Samples</p> <ul style="list-style-type: none">• Calibration curves and standards• Quality control and assurance in HPLC analysis
5.		21-08-2022	6hrs	<p>5. HPLC Method Development and Optimization</p> <p>a. Method Development in HPLC</p> <ul style="list-style-type: none">• Choosing appropriate columns and mobile phases• Optimization of chromatographic conditions <p>b. Troubleshooting in HPLC</p> <ul style="list-style-type: none">• Common issues and solutions in method development• Maintaining system performance
6.		22-08-2022	6hrs	<p>6. Ethical and Regulatory Considerations</p> <p>a. Ethical Considerations in Mercury Analysis</p> <ul style="list-style-type: none">• Ensuring data integrity and accuracy• Responsible reporting and communication of results <p>b. Regulatory Guidelines for Mercury Analysis</p> <ul style="list-style-type: none">• Compliance with environmental and health



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19	20T51T0021	Tadi Jyothi
20	20T51T0022	Tadi Ramya
21	20T51T0023	Vuriviti Pavani
22	20T51T0024	Pyla Upendra


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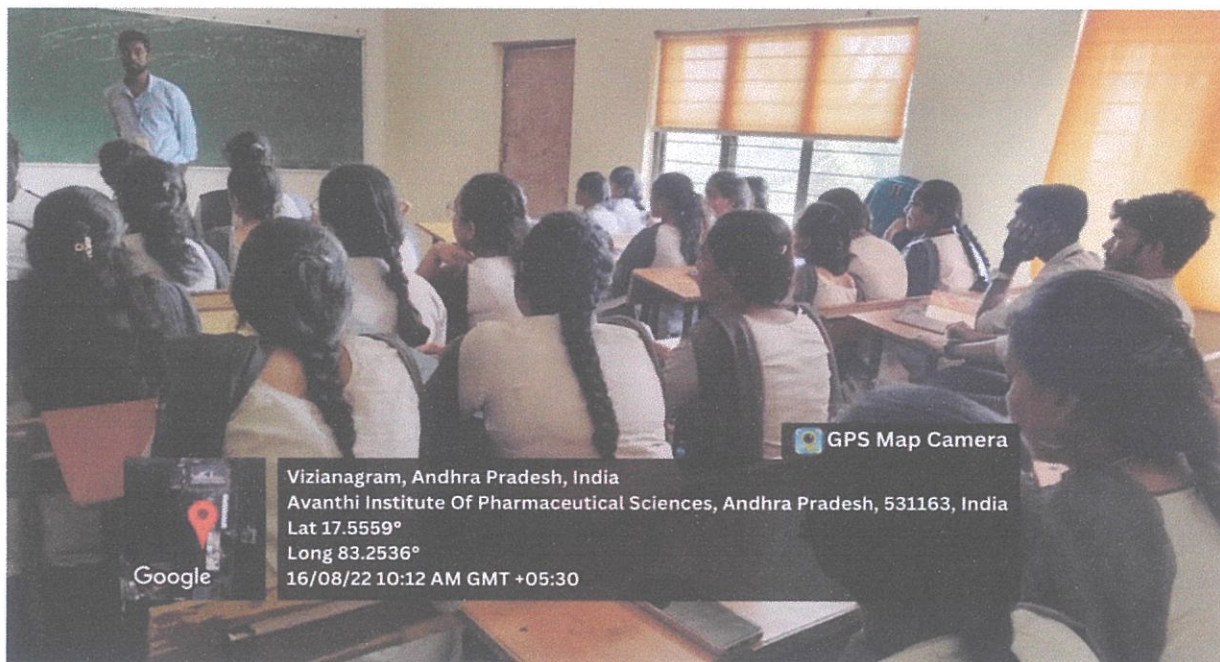

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The students of 3rd Pharm. D certificate program attending “**HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND ITS USAGE IN ASSESSING HG VALUES IN HUMAN BLOOD**” by the Mr. G. P. Verma, Pharma trainer, C.M.S., Dwarakanagar, Visakhapatnam.


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Date : 16-08-2022 to 22-08-2022

Subject : "High Performance Liquid Chromatography and its usage in assessing Hg values in Human Blood" III Pharm. D

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1	20T51T0001	Amireddy Priyanka	A	✓	A	✓	✓	A
2	20T51T0002	Arabolu Rohitha	✓	✓	✓	✓	✓	✓
3	20T51T0003	Balantrapu Kavya Sri	✓	✓	✓	A	✓	A
4	20T51T0004	Charakani Gowthami	✓	✓	✓	✓	A	✓
5	20T51T0005	Chavali Arunakumari	A	✓	✓	A	✓	✓
6	20T51T0006	Chilla Anitha Reddy	✓	✓	✓	✓	✓	✓
7	20T51T0007	Dantukurti Lalitha	A	A	A	A	A	A
8	20T51T0008	Doddi Sai Jyothi Poojitha	✓	✓	A	✓	✓	✓
9	20T51T0009	Gedda Tarun	✓	✓	✓	A	✓	✓
10	20T51T0010	Gompa Varshini	✓	✓	✓	✓	✓	A
11	20T51T0011	Guravana Siresha	✓	A	✓	✓	A	✓
12	20T51T0012	Kanuri Sai Lavanya	✓	✓	✓	✓	✓	✓
13	20T51T0013	Kotana Anoohya	A	✓	✓	A	✓	✓
14	20T51T0016	Mohammed Aarifa Mushrafi Rizvi	✓	✓	✓	✓	✓	A
15	20T51T0017	Pedada Sindhuja	✓	✓	✓	✓	A	✓
16	20T51T0018	Pilla Likitha Satya Ganga Sivani	A	A	A	A	A	A
17	20T51T0019	Puppala Sowmya	✓	A	✓	✓	✓	✓
18	20T51T0020	Swetha Sri Sahu	A	✓	A	✓	✓	✓
19	20T51T0021	Tadi Jyothi	✓	✓	✓	A	✓	A
20	20T51T0022	Tadi Ramya	✓	A	✓	✓	A	✓

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21	20T51T0023	Vuriviti Pavani	✓	✓	A	✓	✓	✓
22	20T51T0024	Pyla Upendra	A	A	A	A	A	A


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Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
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Date : 16-08-2022 to 22-08-2022
No. of Students Enrolled : 22
Subject : "High Performance Liquid Chromatography and its usage in assessing Hg values in Human blood" III Pharm. D

S. No	Roll No	Student Name	No. of classes Attended	% of classes Attended
1	20T51T0001	Amireddy Priyanka	18	50%
2	20T51T0002	Arabolu Rohitha	36	100%
3	20T51T0003	Balantrapu Kavya Sri	24	66%
4	20T51T0004	Charakani Gowthami	30	83%
5	20T51T0005	Chavali Arunakumari	24	66%
6	20T51T0006	Chilla Anitha Reddy	36	100%
7	20T51T0007	Dantukurti Lalitha	NIL	0%
8	20T51T0008	Doddi Sai Jyothi Poojitha	30	83%
9	20T51T0009	Gedda Tarun	30	83%
10	20T51T0010	Gompa Varshini	30	83%
11	20T51T0011	Guravana Sireesha	24	66%
12	20T51T0012	Kanuri Sai Lavanya	36	100%
13	20T51T0013	Kotana Anoohya	24	66%
14	20T51T0016	Mohammed Aarifa Mushrafi Rizvi	30	83%
15	20T51T0017	Pedada Sindhuja	30	83%
16	20T51T0018	PillaLikitha Satya Ganga Sivani	NIL	0%
17	20T51T0019	Puppala Sowmya	30	83%



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18	20T51T0020	Swetha Sri Sahu	24	66%
19	20T51T0021	Tadi Jyothi	24	66%
20	20T51T0022	Tadi Ramya	24	66%
21	20T51T0023	Vuriviti Pavani	30	83%
22	20T51T0024	Pyla Upendra	NIL	0%


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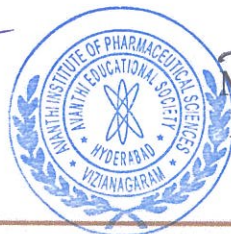
OF PARTICIPATION

This certificate is presented to:

BALANTRAPU KAVYA SRI

bearing roll no. **20T51T0003** pursuing III Pharm D has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.

V. Anurag Kumar
CONVENER



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DIRECTOR

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This certificate is presented to:

CHAVALI ARUNAKUMARI

bearing roll no. 20T51T0005 pursuing III Pharm D has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.

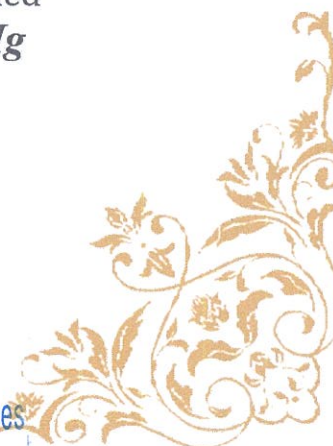
V. Krishna Sankar
CONVENER



Jyotsna
MANAGING
DIRECTOR

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CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

CHILLA ANITHA REDDY

bearing roll no. 20T51T0006 pursuing III Pharm D has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.

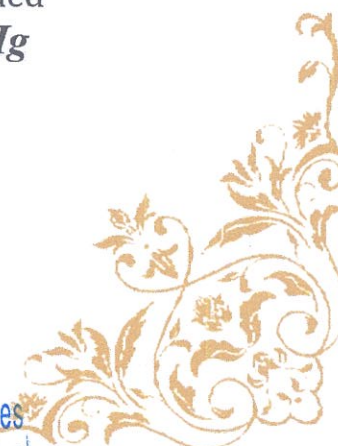
V. Mungaiyan
CONVENER



Jeyadev
MANAGING
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CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

DODDI SAI JYOTHI POOJITHA

bearing roll no. **20T51T0008** pursuing **III Pharm D** has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.


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This certificate is presented to:

GOMPA VARSHINI

bearing roll no. **20T51T0010** pursuing **III Pharm D** has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.

V. Uma Sankar
CONVENER



Jyoti
MANAGING
DIRECTOR

[Signature]
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This certificate is presented to:

KANURI SAI LAVANYA

bearing roll no. 20T51T0012 pursuing III Pharm D has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.

V. Muralidharan
CONVENER



Jeyaraj
MANAGING
DIRECTOR

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OF PARTICIPATION

This certificate is presented to:

MOHAMMED AARIFA MUSHRAFI RIZVI

bearing roll no. 20T51T0016 pursuing III Pharm D has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.


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This certificate is presented to:

PILLA LIKITHA SATYA GANGA SIVANI

bearing roll no. **20T51T0018** pursuing **III Pharm D** has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.

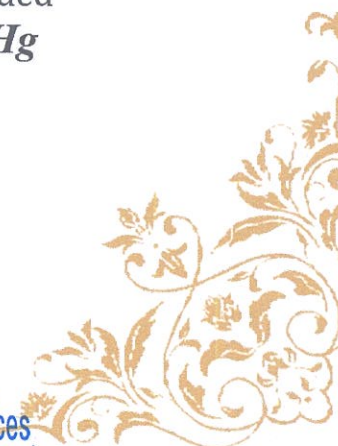
V. Muralidhar
CONVENER



L. S. S.
MANAGING
DIRECTOR

A. S.
PRINCIPAL
PRINCIPAL

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This certificate is presented to:

SWETHA SRI SAHU

bearing roll no. **20T51T0020** pursuing **III Pharm D** has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.


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This certificate is presented to:

TADI JYOTHI

bearing roll no. **20T51T0021** pursuing **III Pharm D** has successfully completed Value Added Course on "*High performance liquid chromatography and its usage in assessing Hg values in human blood*" held from 16-08-2022 to 22-08-2022.

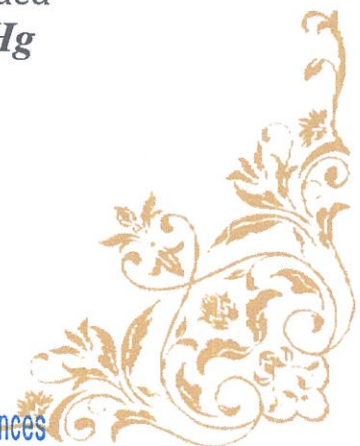
V. Uma Sankar
CONVENER



Jyoti
MANAGING
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hvs
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DEPARTMENT OF PHARMACY


Ref no: AIPS/Pharmacy/2022-23/02

Date: 19-09-2022

CIRCULAR

This is to inform all the students of II year M. Pharm that a value-added course will be conducted on the topic “Unlocking Conversation with AI, chat GPT, interphase and Applications” from 03/10/2022 to 08/10/2022. Interested students are required to sign-up for the above-mentioned course with “**Dr. D. Vasudha**” Professor at Vignan Institute of Pharmaceutical Technology Duvvada Visakhapatnam.




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INSTITUTION:

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE. The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapuvulasa Bridge adjacent to NH-16. Students of Avanthi boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU

ROUTE MAP:



ORGANISING COMMITTEE:

Chief Patron

Smt. M.Gnaneshwari, Chairperson, AIPS

Patron

Dr. M.B.V.Raju, Principal, AIPS

Convener

V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate Professor

Speaker

Dr. D. Vasudha

Professor

Vignan Institute of Pharmaceutical

Technology

Organizing Committee

Mrs. B. Ramavathi, Associate Professor

Mr. A. Naga Srinivas, Associate Professor

Mrs. B. Sravani, Associate Professor

Members

All the faculty from the department of Pharmaceutical Sciences of the host institute



6 days Workshop
on
Unlocking conversation with
AI Chat GPT interface and applications

03 - 10 - 2022 to 08 - 10 - 2022

Organized by

DEPARTMENT OF
PHARMACY



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BHOGAPURAM(MANDAL), VIZIANAGARAM -531162.

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Course Title	: Unlocking Conversation with AI, chat GPT, interface and Applications
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Dr. D. Vasudha, Professor, Vignan Institute of Pharmaceutical Technology
Course Coordinator	: Dr. T. Rushi
Dates	: 03-10-2022 to 08-10-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2022/02

Objective:

- A type of artificial intelligence (AI) that can simulate human conversation
- It is made possible by natural language processing (NLP), a field of AI that allows computers to understand and process human language
- Efficient and streamlined communication

Outcomes:

- Improved decision-making
- Improved language skills
- Potential for more advanced language models



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Syllabus

- 1. Introduction to Conversational AI and ChatGPT**
 - Overview of Conversational AI
 - Introduction to ChatGPT and its capabilities
 - Historical context and evolution of chatbots
 - Ethical considerations in AI and chatbot development
- 2. Fundamentals of Natural Language Processing (NLP)**
 - Basics of NLP and its applications
 - Tokenization, POS tagging, and Named Entity Recognition
 - Word embeddings and language models
 - Sentiment analysis and text classification
- 3. Understanding ChatGPT Architecture**
 - Overview of GPT (Generative Pre-trained Transformer) architecture
 - Deep dive into ChatGPT's working principles
 - Limitations and challenges in language generation
- 4. Interface Design for Conversational AI**
 - Principles of user-centered design
 - Designing effective conversational interfaces
 - Multi-modal interfaces and accessibility considerations
 - Usability testing for conversational interfaces
- 5. Human-Computer Interaction (HCI) in Conversational AI**
 - Human factors in AI interactions
 - User engagement and retention strategies
 - Handling errors and user feedback
 - Designing for emotional intelligence in chatbots
- 6. Applications of Conversational AI**
 - Industry-specific applications (e.g., customer service, healthcare, education)
 - Case studies of successful implementations
 - Building and deploying chatbots for specific use cases
 - Ethical considerations in AI applications


Course Coordinator


HOD



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TIMETABLE

CLASS: II M. PHARMACY (Pharmaceutical Analysis)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Pilot plant scale techniques	Break	Pilot plant scale techniques	Lunch	Pilot plant scale techniques	Pilot plant scale techniques	Break	Pilot plant scale techniques	Pilot plant scale techniques
TUE									
WED									
THU									
FRI									
SAT									

CLASS: II M. PHARMACY (Pharmacology)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Pilot plant scale techniques	Break	Pilot plant scale techniques	Lunch	Pilot plant scale techniques	Pilot plant scale techniques	Break	Pilot plant scale techniques	Pilot plant scale techniques
TUE									
WED									
THU									
FRI									
SAT									



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CLASS: II M. PHARMACY (Pharmaceutics)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20
MON	Pilot plant scale techniques	Break	Pilot plant scale techniques	Lunch	Pilot plant scale techniques	Pilot plant scale techniques	Break	Pilot plant scale techniques	Pilot plant scale techniques
TUE									
WED									
THU									
FRI									
SAT									

Course Coordinator



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Reference book: "Conversational Intelligence: How Great Leaders Build Trust & Get Extraordinary Results" by Judith E. Glaser

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	03-10-2022	6hrs	1. Introduction to Conversational AI and Chat GPT <ul style="list-style-type: none">• Overview of Conversational AI• Introduction to Chat GPT and its capabilities• Historical context and evolution of chatbots• Ethical considerations in AI and chatbot development
2.		04-10-2022	6hrs	2. Fundamentals of Natural Language Processing (NLP) <ul style="list-style-type: none">• Basics of NLP and its applications• Tokenization, POS tagging, and Named Entity Recognition• Word embeddings and language models• Sentiment analysis and text classification
3.		05-10-2022	6hrs	3. Understanding Chat GPT Architecture <ul style="list-style-type: none">• Overview of GPT (Generative Pre-trained Transformer) architecture• Deep dive into Chat GPT's working principles• Limitations and challenges in language generation




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4.		06-10-2022	6hrs	4. Interface Design for Conversational AI <ul style="list-style-type: none">Principles of user-centered designDesigning effective conversational interfacesMulti-modal interfaces and accessibility considerationsUsability testing for conversational interfaces
5.		07-10-2022	6hrs	5. Human-Computer Interaction (HCI) in Conversational AI <ul style="list-style-type: none">Human factors in AI interactionsUser engagement and retention strategiesHandling errors and user feedbackDesigning for emotional intelligence in chatbots
6.		08-10-2022	6hrs	6. Applications of Conversational AI <ul style="list-style-type: none">Industry-specific applications (e.g., customer service, healthcare, education)Case studies of successful implementationsBuilding and deploying chatbots for specific use casesEthical considerations in AI applications

Dhi
Course Coordinator



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D. Veelisa
HOD

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Assessment:

1. What is Chat GPT?

- A large language model created by OpenAI that can process and generate human-like text.
- A chatbot that can hold conversations with humans.
- A search engine that can provide answers to questions in a human-like way.
- A virtual assistant that can help users with tasks such as scheduling appointments and making travel arrangements.

2. What does the acronym 'GPT' stand for in ChatGPT?

- Generative Pre-trained Transformer
- Large Language Model
- Chat Generative Pre-trained Transformer
- OpenAI Chat GPT

3. What is the main purpose of ChatGPT?

- To generate creative text formats
- To translate languages
- To write different kinds of creative content
- To provide answers to questions in a human-like way

4. What approach was used to transfer learning to ChatGPT?

- Supervised learning
- Reinforcement learning
- Both supervised and reinforcement learning
- None of the above

5. Artificial Intelligence is about _____.

- Playing a game on Computer
- Making a machine Intelligent
- Programming on Machine with your Own Intelligence
- Putting your intelligence in Machine

6. Among the given options, which search algorithm requires less memory?

- Depth First Search
- Breadth-First Search
- Linear Search

7. The component of an Expert system is _____.

- Knowledge Base
- Inference Engine
- User Interface
- All of the above




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8. The available ways to solve a problem of state-space-search.

- a. 1
- b. 2
- c. 3
- d. 4

9. An AI agent perceives and acts upon the environment using_____.

- a. Sensors
- b. Perceiver
- c. Actuators
- d. Both a and c

10. Which rule is applied for the Simple reflex agent?

- a. Simple-action rule
- b. Simple &Condition-action rule
- c. Condition-action rule
- d. None of the above

Course Coordinator



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Date : 03-10-2022 to 08-10-2022
No. of Students Enrolled : 26
Subject : "Unlocking Conversation with AI, chat GPT, interphase and Applications"
VI Pharm D

S.No	Roll No.	Student Name
1	17T51T0001	AKULA SANJUNA REVATHI
2	17T51T0002	BATCHU DIVYA VANI
3	17T51T0003	BITRA TANISH
4	17T51T0004	BONELA NIHARIKA
5	17T51T0005	CHANDANAPALLI SAI HIMABINDU
6	17T51T0006	DAKAMURI KANAKA SATYA VASANTHA SENA
7	17T51T0007	DAMODARA PADMAPRIYA
8	17T51T0008	GANNAMANENI SAIPADMINI
9	17T51T0009	GINNE HIMAJA
10	17T51T0010	KALEPU MANISHA
11	17T51T0011	KARI SREEVANI
12	17T51T0013	SHAIK NAYAB
13	17T51T0014	KOLIPAKA KARISHMA
14	17T51T0015	KOLLA JAGADEESWARI
15	17T51T0016	MAROTHU NAVYA SREE
16	17T51T0017	MYLAPALLI ABHISEKHAR
17	17T51T0018	NIMMAL PREMA KUMARI
18	17T51T0019	PENTAKOTA AKHILA



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19	17T51T0020	PIRLA DHANYA SWAROOPA
20	17T51T0021	PULUGURTHA SUMATHYA
21	17T51T0022	SAVARA GUNASEKHAR
22	17T51T0023	SHRUTI BHARADWAJ
23	17T51T0024	VEJENDLA GEETHA
24	17T51T0025	TANKALA MOUNIKA
25	17T51T0026	MENDEMU RATNAJYOTHIRMAI
26	16T51T0003	B. HEMANTHA NISSI


Course Coordinator


HOD




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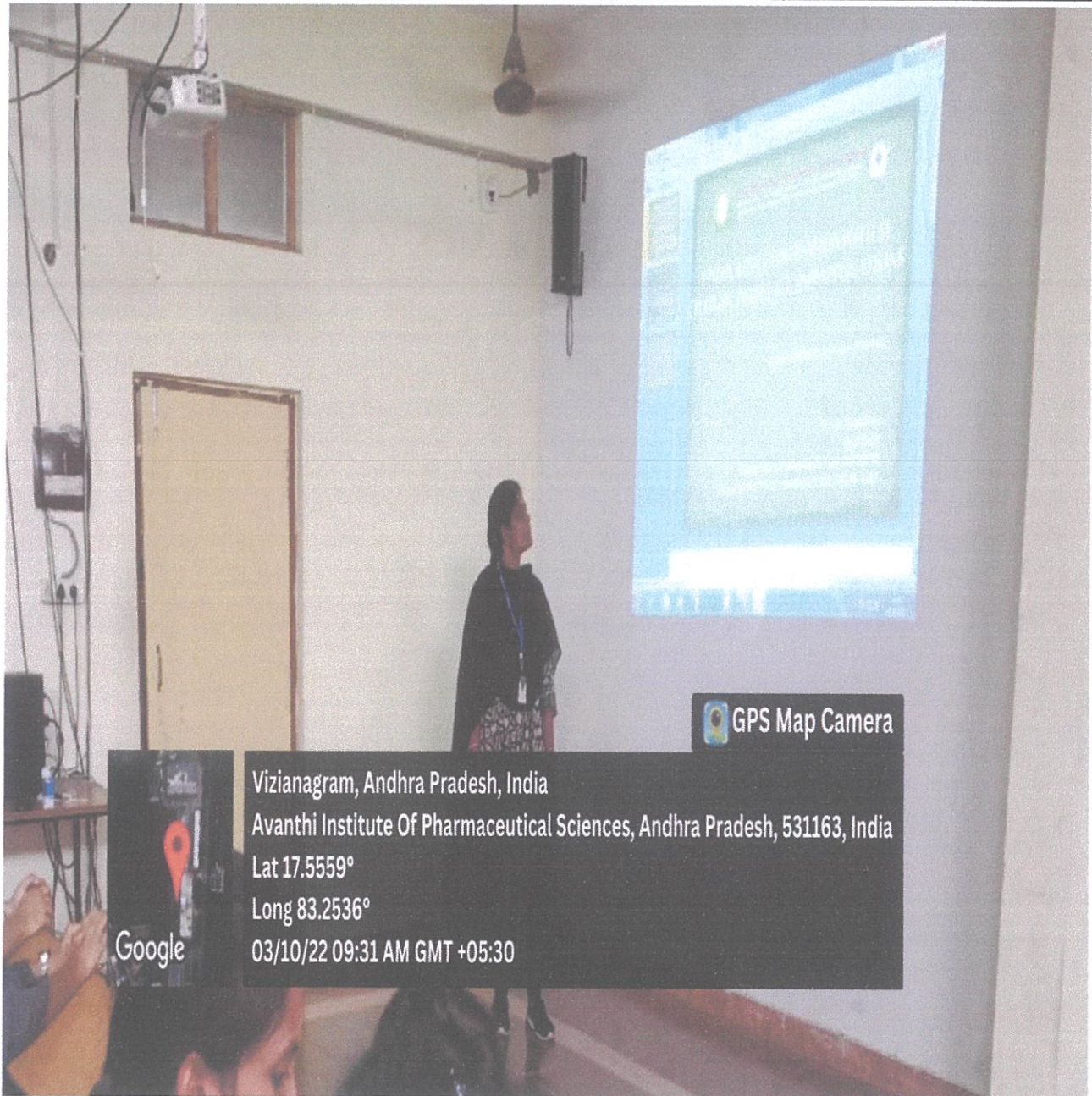
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Bhogapuram (M), Vizianagaram Dist



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Vizianagram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Andhra Pradesh, 531163, India
Lat 17.5559°
Long 83.2536°
03/10/22 09:31 AM GMT +05:30

The students of 1st year B. Pharmacy certificate program attending “UNLOCKING CONVERSATION WITH AI, CHAT GPT, INTERFACE AND APPLICATIONS” by the Professor Dr. D. Vasudha, Vignan Institute of Pharmaceutical Technology

D. Vasudha
Course Coordinator

N. Neelima
HOD



N. Neelima
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Date : 03-10-2022 to 08-10-2022

Subject : "Unlocking Conversation with AI, chat GPT, interphase and Applications
II M. Pharmacy (Pharmaceutical analysis)

S. No	Roll No	Student Name	03/10/22	04/10/22	05/10/22	06/10/22	07/10/22	08/10/22
1	17T51T0001	Akula Sanjuna Revathi	✓	✓	✓	✓	A	✓
2	17T51T0002	Batchu Divya Vani	✓	A	A	✓	✓	✓
3	17T51T0003	Bitra Tanish	✓	✓	✓	A	✓	A
4	17T51T0004	Bonela Niharika	A	✓	✓	✓	✓	✓
5	17T51T0005	Chandanapalli Sai Himabindu	✓	✓	✓	✓	✓	✓
6	17T51T0006	Dakamuri Kanaka Satya Vasantha Sena	✓	✓	✓	✓	✓	✓
7	17T51T0007	Damodara Padmapriya	✓	A	✓	A	✓	✓
8	17T51T0008	Gannamaneni Saipadmini	A	✓	✓	✓	✓	✓
9	17T51T0009	Ginne Himaja	✓	✓	A	✓	✓	✓
10	17T51T0010	Kalepu Manisha	✓	✓	✓	✓	✓	A
11	17T51T0011	Kari Sreevani	✓	✓	✓	✓	✓	✓
12	17T51T0013	Shaik Nayab	✓	✓	✓	A	✓	✓
13	17T51T0014	Kolipaka Karishma	A	A	✓	✓	A	✓
14	17T51T0015	Kolla Jagadeeswari	✓	✓	A	✓	✓	✓
15	17T51T0016	Marothu Navya Sree	✓	✓	✓	✓	✓	A
16	17T51T0017	Mylapalli Abhisekhar	✓	A	✓	✓	✓	✓
17	17T51T0018	Nimmal Prema Kumari	A	✓	✓	A	✓	✓
18	17T51T0019	Pentakota Akhila	✓	✓	✓	✓	✓	✓



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19	17T51T0020	Pirla Dhanya Swaroop	✓	✓	✓	A	✓	✓
20	17T51T0021	Pulugurtha Sumathya	✓	✓	A	✓	A	✓
21	17T51T0022	Savara Gunasekhar	A	✓	✓	✓	✓	✓
22	17T51T0023	Shruti Bharadwaj	✓	✓	✓	✓	✓	A
23	17T51T0024	Vejendla Geetha	✓	A	✓	✓	✓	✓
24	17T51T0025	Tankala Mounika	✓	✓	✓	✓	A	✓
25	17T51T0026	Mendemu Ratnajyothirmai	A	✓	A	A	✓	✓
26	16T51T0003	B. Hemantha Nissi	✓	✓	✓	✓	✓	✓

Dehri
Course Coordinator

V. Lingaiah
HOD

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Bhogapuram (M), Vizianagaram Dist
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Date : 03-10-2022 to 08-10-2022
No. of Students Enrolled : 26
Subject : "Unlocking Conversation with AI, chat GPT, interface and Applications"
VI Pharm D

S.No	Roll No.	Student Name	No. of classes Attended	% of classes Attended
1	17T51T0001	AKULA SANJUNA REVATHI	30	83%
2	17T51T0002	BATCHU DIVYA VANI	24	66%
3	17T51T0003	BITRA TANISH	24	66%
4	17T51T0004	BONELA NIHARIKA	30	83%
5	17T51T0005	CHANDANAPALLI SAI HIMABINDU	36	100%
6	17T51T0006	DAKAMURI KANAKA SATYA VASANTHA SENA	36	100%
7	17T51T0007	DAMODARA PADMAPRIYA	24	66%
8	17T51T0008	GANNAMANENI SAIPADMINI	30	83%
9	17T51T0009	GINNE HIMAJA	30	83%
10	17T51T0010	KALEPU MANISHA	30	83%
11	17T51T0011	KARI SREEVANI	36	100%
12	17T51T0013	SHAIK NAYAB	30	83%
13	17T51T0014	KOLIPAKA KARISHMA	18	50%
14	17T51T0015	KOLLA JAGADEESWARI	30	83%
15	17T51T0016	MAROTHU NAVYA SREE	30	83%
16	17T51T0017	MYLAPALLI ABHISEKHAR	30	83%
17	17T51T0018	NIMMAL PREMA KUMARI	24	66%

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18	17T51T0019	PENTAKOTA AKHILA	36	100%
19	17T51T0020	PIRLA DHANYA SWAROOPA	30	83%
20	17T51T0021	PULUGURTHA SUMATHYA	24	66%
21	17T51T0022	SAVARA GUNASEKHAR	30	83%
22	17T51T0023	SHRUTI BHARADWAJ	30	83%
23	17T51T0024	VEJENDLA GEETHA	30	83%
24	17T51T0025	TANKALA MOUNIKA	30	83%
25	17T51T0026	MENDEMU RATNAJYOTHIRMAI	18	50%
26	16T51T0003	B. HEMANTHA NISSI	36	100%


Course Coordinator




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Certificate of Completion

This is to certify that Mr/Ms

KALEPU MANISHA

bearing roll no. 17T51T0010 pursuing VI Pharm D has successfully completed Value Added Course on

“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”

held from 03-10-2022 to 08-10-2022 .


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www.avanthi-pharma.ac.in, principal@avanthi-pharma.ac.in

Certificate of Completion

This is to certify that Mr/Ms

KARI SREEVANI

bearing roll no. 17T51T0011 pursuing VI Pharm D has successfully completed Value Added Course on

“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”

held from 03-10-2022 to 08-10-2022 .


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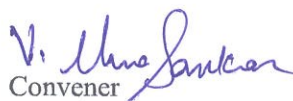
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Certificate of Completion

This is to certify that Mr/Ms
MYLAPALLI ABHISEKHAR
bearing roll no. 17T51T0017 pursuing VI Pharm D has successfully completed Value Added Course on
“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”
held from 03-10-2022 to 08-10-2022 .


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Certificate of Completion

This is to certify that Mr/Ms
NIMMAL PREMA KUMARI
bearing roll no. 17T51T0018 pursuing VI Pharm D has successfully completed Value Added Course on
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Certificate of Completion

This is to certify that Mr/Ms
PENTAKOTA AKHILA
bearing roll no. 17T51T0019 pursuing VI Pharm D has successfully completed Value Added Course on
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held from 03-10-2022 to 08-10-2022 .


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Certificate of Completion

This is to certify that Mr/Ms **BONU PRIYANKA** bearing roll no. 21T51S01601 pursuing
II M Pharmacy has successfully completed Value Added Course on
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held from 03-10-2022 to 08-10-2022 .


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This is to certify that Mr/Ms **KALIGOTLA NAGA HIMA BINDU** bearing roll no.
21T51S01606 pursuing
II M Pharmacy has successfully completed Value Added Course on
**“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND
APPLICATIONS”**
held from 03-10-2022 to 08-10-2022 .


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Certificate of Completion

This is to certify that Mr/Ms **KENGUVA RAMYA** bearing roll no. 21T51S01607 pursuing
II M Pharmacy has successfully completed Value Added Course on
“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND
APPLICATIONS”
held from 03-10-2022 to 08-10-2022 .

V. Muralidharan
Convener



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Certificate of Completion

This is to certify that Mr/Ms ***KESAMSETTY V SAI APARNA LAHARI LIKHITA***
bearing roll no. 21T51S01608 pursuing
II M Pharmacy has successfully completed Value Added Course on
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Certificate of Completion

This is to certify that Mr/Ms **MEKA VASMIKA** bearing roll no. 21T51S01611 pursuing
II M Pharmacy has successfully completed Value Added Course on
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APPLICATIONS”
held from 03-10-2022 to 08-10-2022 .


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Certificate of Completion

This is to certify that Mr/Ms
AKULA SANJUNA REVATHI
bearing roll no. 17T51T0001 pursuing VI Pharm D has successfully completed Value Added Course on
“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”
held from 03-10-2022 to 08-10-2022.


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Certificate of Completion

This is to certify that Mr/Ms
BATCHU DIVYA VANI
bearing roll no. 17T51T0002 pursuing VI Pharm D has successfully completed Value Added Course on
“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”
held from 03-10-2022 to 08-10-2022 .


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Certificate of Completion

This is to certify that Mr/Ms
DAMODARA PADMAPRIYA
bearing roll no. 17T51T0007 pursuing VI Pharm D has successfully completed Value Added Course on
“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”
held from 03-10-2022 to 08-10-2022 .


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Certificate of Completion

This is to certify that Mr/Ms
GANNAMANENI SAIPADMINI
bearing roll no. 17T51T0008 pursuing VI Pharm D has successfully completed Value Added Course on
“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”
held from 03-10-2022 to 08-10-2022 .


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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Certificate of Completion

This is to certify that Mr/Ms

GINNE HIMAJA

bearing roll no. 17T51T0009 pursuing VI Pharm D has successfully completed Value Added Course on

“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”

held from 03-10-2022 to 08-10-2022 .



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Certificate of Completion

This is to certify that Mr/Ms **MOTAPALLI RESHMA SATYA SRI** bearing roll no.

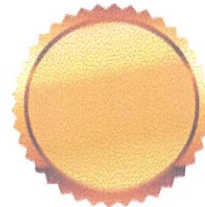
21T51S01612 pursuing

II M Pharmacy has successfully completed Value Added Course on

“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS”

held from 03-10-2022 to 08-10-2022 .


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PRINCIPAL

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Certificate of Completion

This is to certify that Mr/Ms **KUCHARLAPATI PAVANI** bearing roll no. 21T51S0602 pursuing II M Pharmacy has successfully completed Value Added Course on “UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND APPLICATIONS” held from 03-10-2022 to 08-10-2022 .


V. Uma Sankar
Convener




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Certificate of Completion

This is to certify that Mr/Ms **MANISH KUMAR** bearing roll no. 21T51S0603 pursuing II M Pharmacy has successfully completed Value Added Course on “UNLOCKING CONVERSATION WITH AL CHAT GPT, INTERFACE AND APPLICATIONS” held from 03-10-2022 to 08-10-2022 .

V. Naveen Kumar
Convener



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This is to certify that Mr/Ms **YV DATA RACHANA** bearing roll no. 21T51S0604 pursuing II M Pharmacy has successfully completed Value Added Course on “UNLOCKING CONVERSATION WITH AL CHAT GPT, INTERFACE AND APPLICATIONS” held from 03-10-2022 to 08-10-2022 .

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This is to certify that Mr/Ms **RONGALI RAMADEVI** bearing roll no. 21T51S0605 pursuing II M Pharmacy has successfully completed Value Added Course on “UNLOCKING CONVERSATION WITH AL CHAT GPT, INTERFACE AND APPLICATIONS” held from 03-10-2022 to 08-10-2022 .


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Certificate of Completion

This is to certify that Mr/Ms **PRETOM CHAKRABORTY** bearing roll no. 21T51S0606 pursuing
II M Pharmacy has successfully completed Value Added Course on
**“UNLOCKING CONVERSATION WITH AI CHAT GPT, INTERFACE AND
APPLICATIONS”**
held from 03-10-2022 to 08-10-2022 .

V. Lingamkar
Convener



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Certificate of Completion

This is to certify that Mr/Ms **YALLA HEMALATHA** bearing roll no. 21T51S0607 pursuing II M Pharmacy has successfully completed Value Added Course on “UNLOCKING CONVERSATION WITH AL CHAT GPT, INTERFACE AND APPLICATIONS” held from 03-10-2022 to 08-10-2022 .

V. Muzumdar
Convener



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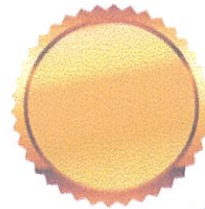
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This is to certify that Mr/Ms **SILAPARA SETTY SHYAM SAI** bearing roll no. 21T51S0308
pursuing

II M Pharmacy has successfully completed Value Added Course on
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This is to certify that Mr/Ms **SINGIDI VENKATA ANIL CHANDRA** bearing roll no. 21T51S0309 pursuing

II M Pharmacy has successfully completed Value Added Course on
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held from 03-10-2022 to 08-10-2022 .


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Certificate of Completion

This is to certify that Mr/Ms **JAMI JYOSHNA** bearing roll no. 21T51S0314 pursuing II M Pharmacy has successfully completed Value Added Course on
“UNLOCKING CONVERSATION WITH AL CHAT GPT, INTERFACE AND APPLICATIONS”
held from 03-10-2022 to 08-10-2022 .


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DEPARTMENT OF PHARMACY

Ref no: AIPS/B. Pharmacy/2022-23/03

Date: 26-09-2022

CIRCULAR

This is to inform all the students of IV-year B. Pharm that a value-added course will be conducted on the topic “**Emerging Trends in Targeted Drug Delivery System**” from 10/10/2022 to 15/10/2022. Interested students are required to sign-up for the above-mentioned course with “**Dr. M. Saritha**” Professor at Vignan Institute of Pharmaceutical Technology Duvvada Visakhapatnam.




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INSTITUTION:

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE. The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapavalasa Bridge adjacent to NH-16. Students of Avanthi boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU

ROUTE MAP:



ORGANISING COMMITTEE:

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Smt. M.Gnaneshwari, Chairperson, AIPS

Patron

Dr. M.B.V.Raju, Principal, AIPS

Convener

V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate Professor

Speaker

Dr. M. Saritha

Professor

Vignan Institute of Pharmaceutical Technology



Organizing Committee

Ms. D. Purnima Yadav, Associate Professor

Mr. V. H. S. Reddy, Associate Professor

Mr. M. Rajeswarara Rao, Assistant Professor

Members

All the faculty from the department of Pharmaceutical Sciences of the host institute

6 days Workshop on Emerging Trends in Targetted Drug Delivery Systems

10 - 10 - 2022 to 15 - 10 - 2022

Organized by

DEPARTMENT OF
PHARMACY



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Course Title	: Emerging Trends in Targeted drug delivery system
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Dr. M. Saritha, Professor, Vignan Institute of Pharmaceutical Technology
Course Coordinator	: Ms. D. Purnima Yadav, Associate Professor
Dates	: 10-10-2022 to 15-10-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/B. Pharm/2022/03

Objectives:

- Helps maintain the required plasma and tissue drug levels in the body
- Thereby preventing any damage to the healthy tissue via the drug
- Delivering the drug at a rate- and site-controlled manner as per treatment needs

Outcomes:

- Reduction of frequencies of dosage taken by a patient
- Having a more uniform effect of the drug
- Reduction of drug side effects
- Reduced fluctuation in circulating drug levels



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Syllabus

1. Introduction to Drug Delivery Systems

- Overview of drug delivery systems
- Importance of targeted drug delivery
- Types of drug delivery systems: oral, parenteral, transdermal, etc.
- Challenges in conventional drug delivery

2. Fundamentals of Targeted Drug Delivery

- Basic principles of targeted drug delivery
- Drug targeting strategies
- Ligands and receptors in targeted delivery
- Cell and tissue-specific targeting

3. Nanoparticle-Based Drug Delivery Systems

- Introduction to nanoparticles in drug delivery
- Types of nanoparticles: liposomes, micelles, polymeric nanoparticles
- Applications of nanotechnology in drug delivery
- Challenges and considerations in nanoparticle-based delivery

4. Advanced Drug Delivery Technologies

- RNA-based drug delivery
- Gene therapy and CRISPR-Cas9 in drug delivery
- Smart drug delivery systems
- Responsive and stimuli-sensitive drug carriers

5. Targeted Drug Delivery for Specific Diseases

- Cancer-targeted drug delivery
- Neurological disorders and drug targeting
- Cardiovascular targeted drug delivery
- Infectious diseases and targeted therapies

6. Regulatory and Ethical Considerations

- Regulatory pathways for approval of targeted drug delivery systems
- Ethical considerations in research and development
- Safety and toxicity assessment
- Intellectual property issues in drug delivery

D. Purnima
Course Coordinator

[Signature]
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M. Pavani
Dr. M. PAVANI, M.Pharm, Ph.D.
HOD
Professor



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TIMETABLE

CLASS: IV B. PHARMACY

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Emerging Trends in Targeted drug delivery system	Break	Emerging Trends in Targeted drug delivery system	Lunch	Emerging Trends in Targeted drug delivery system	Emerging Trends in Targeted drug delivery system	Break	Emerging Trends in Targeted drug delivery system	Emerging Trends in Targeted drug delivery system
TUE									
WED									
THU									
FRI									
SAT									

D. Purnima
Course Coordinator

M. PAVANI
HOD
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor
Avanthi Institute of Pharmaceutical Sciences
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Reference books: Transdermal drug delivery system by Chien YW and Banga AK.

S.No	No. of weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
1.	Week-1	10-10-2022	6hrs	1. Introduction to Drug Delivery Systems <ul style="list-style-type: none">• Overview of drug delivery systems• Importance of targeted drug delivery• Types of drug delivery systems: oral, parenteral, transdermal, etc.• Challenges in conventional drug delivery
2.		11-10-2022	6hrs	2. Fundamentals of Targeted Drug Delivery <ul style="list-style-type: none">• Basic principles of targeted drug delivery• Drug targeting strategies• Ligands and receptors in targeted delivery• Cell and tissue-specific targeting
3.		12-10-2022	6hrs	3. Nanoparticle-Based Drug Delivery Systems <ul style="list-style-type: none">• Introduction to nanoparticles in drug delivery• Types of nanoparticles: liposomes, micelles, polymeric nanoparticles• Applications of nanotechnology in drug delivery• Challenges and considerations in nanoparticle-based delivery



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4.		13-10-2022	6hrs	4. Advanced Drug Delivery Technologies <ul style="list-style-type: none">• RNA-based drug delivery• Gene therapy and CRISPR-Cas9 in drug delivery• Smart drug delivery systems• Responsive and stimuli-sensitive drug carriers
5.		14-10-2022	6hrs	5. Targeted Drug Delivery for Specific Diseases <ul style="list-style-type: none">• Cancer-targeted drug delivery• Neurological disorders and drug targeting• Cardiovascular targeted drug delivery• Infectious diseases and targeted therapies
6.		15-10-2022	6hrs	6. Regulatory and Ethical Considerations <ul style="list-style-type: none">• Regulatory pathways for approval of targeted drug delivery systems• Ethical considerations in research and development• Safety and toxicity assessment• Intellectual property issues in drug delivery




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Course Coordinator

HOD

Assessment:

- 1. What is the primary goal of targeted delivery system?**
 - a. Minimize drug efficacy
 - b. Reduce drug stability
 - c. Deliver drugs specifically to the intended site
 - d. Reduce drug stability
- 2. Which factor plays a crucial role in achieving targeted drug delivery?**
 - a. Random drug administration
 - b. Drug dosage
 - c. Carrier molecules specificity
 - d. Drug expiration date
- 3. Which is common targeting strategy in drug delivery?**
 - a. Passive targeting
 - b. Aggressive targeting
 - c. Random targeting
 - d. Blind targeting
- 4. Which type of nanoparticles is commonly used in targeted drug delivery?**
 - a. Liposomes
 - b. Antibiotics
 - c. Antacids
 - d. Steroids
- 5. What is advantage of targeted drug delivery system?**
 - a. Increased drug side effects
 - b. Reduced drug concentration at the targetsite
 - c. Enhance therapeutic efficacy
 - d. Reduces drug specificity
- 6. What is the role of ligand in targeted drug delivery?**
 - a. Reduces drug specificity
 - b. Enhance drug toxicity
 - c. Binds to the drug receptor
 - d. Decreases drug absorption
- 7. Which type of targeting uses specific antigens on target cells for drug delivery?**
 - a. Active Targeting
 - b. Passive Targeting
 - c. Random Targeting
 - d. Non-specific Targeting
- 8. What is the common example of an active targeting ligand used in drug delivery?**
 - a. Glucose
 - b. Salt
 - c. water


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- d. Oxygen
9. Which factors influence the choice of carrier in targeted drug delivery system?
- Drug Solubility
 - Carrier Color
 - Drug Taste
 - Targeted Organ Size
10. Which route of administration is often utilized for targeted drug delivery to the brain?
- Intravenous Injection
 - Oral ingestion
 - Dermal application
 - Nasal Spray

D. Purnima
Course Coordinator

M. Pavan
HOD
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor
Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
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Date : 10-10-2022 to 15-10-2022
No. of Students Enrolled : 102
Subject : "Emerging Trends in Targeted drug delivery system"
IV B. Pharmacy

S. No	Roll No	Student Name
1	19T51R0001	Alajangi Jhansi
2	19T51R0002	AnguluruJyothirmai
3	19T51R0003	Arava Naveen
4	19T51R0004	BandaruHanokHemanth Kumar
5	19T51R0005	BandaruRamakala
6	19T51R0006	Bankapalli Sai Rajitha
7	19T51R0007	BeharaDurgaSampatBhavana
8	19T51R0008	BiddikaPrasanth Kumar
9	19T51R0009	BodapatiKaveri
10	19T51R0010	Boddu Mary Mani
11	19T51R0011	Bogi Pradeep
12	19T51R0012	BolliBindhusri
13	19T51R0013	BontalakotiSheshadrimani
14	19T51R0014	BonulaSaikumar
15	19T51R0015	BosiRajkumar
16	19T51R0016	BottaMamatha
17	19T51R0017	BuddalaKasturi
18	19T51R0018	BudumuruGayatri



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20	19T51R0020	ChilakalaTeja
21	19T51R0021	ChintaKiranmayi
22	19T51R0022	ChinthalaSwathimathi
23	19T51R0023	DoddiShanmukhaRithika
24	19T51R0024	DonthalaKusuma
25	19T51R0025	DundangiSarvani
26	19T51R0026	DuvvanaHemalatha
27	19T51R0027	DwarapureddiLavanya
28	19T51R0028	Era JyothiProdhan
29	19T51R0029	GajjalaSreekanth
30	19T51R0030	GajjalaAdi Narayana
31	19T51R0031	Gorrela Raju
32	19T51R0032	Gudivada Gopala Krishna
33	19T51R0033	GuralaVedhikaSridevi
34	19T51R0034	GuranaBhavani
35	19T51R0035	Gunupuru Nagendra
36	19T51R0036	JagannadhaDurga Devi
37	19T51R0037	Jami Thanuja
38	19T51R0038	KaibadaSwapna
39	19T51R0039	KantreddiSatishkumar
40	19T51R0040	KattaAvinash




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41	19T51R0041	KedariNavya
42	19T51R0042	KedarisettyPavithra
43	19T51R0043	Kollu Veera Manikantha
44	19T51R0044	KommaGowthamiBhavani
45	19T51R0045	KommuriRevathi
46	19T51R0046	Kondagorri Hari
47	19T51R0047	KondalaRojaRamani
48	19T51R0048	KornanaPavan Kumar
49	19T51R0049	Kotamahanthi Sujatha
50	19T51R0050	Kotari Santhosh
51	19T51R0051	KunthuriUmamahesh
52	19T51R0052	KuppaSridevi
53	19T51R0053	Lankalapalli Sai Bhuvaneswari
54	19T51R0054	Lingampalli Satya Sri Hamsika
55	19T51R0055	Lotti Chandrika
56	19T51R0056	MadugulaSirisha
57	19T51R0057	MallaPavithraPavani
58	19T51R0058	MamidiSravani
59	19T51R0059	MamidisetiNaina
60	19T51R0060	MariserlaDevayani
61	19T51R0061	Matta Suseela
62	19T51R0062	MiriyalaRenukaSwathi




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63	19T51R0063	Mohammad Nafisa
64	19T51R0064	MosalikantiRishika
65	19T51R0065	MulliMadhuri
66	19T51R0066	MutyalaLohith
67	19T51R0067	Mylapalli Devi
68	19T51R0068	NagamTanuja
69	19T51R0069	Nammi Padma
70	19T51R0070	NeradabilliSadhana
71	19T51R0071	Padala Sharon
72	19T51R0072	Palo Swathi
73	19T51R0073	PasupuletiBhanu Prakash
74	19T51R0074	Patnaikuni Sai Jahnvi
75	19T51R0075	PeetalaMrudhula
76	19T51R0076	PothinaKavya
77	19T51R0077	PotnuruSrilekha
78	19T51R0078	Puli Harsha Veena
79	19T51R0079	RajanaDilip Kumar
80	19T51R0080	RamadeviRasula
81	19T51R0081	RatnalaBhargavi
82	19T51R0082	ReddiBhavanthi
83	19T51R0083	Saka Sesanka
84	19T51R0084	SarapentaHarinhadh




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85	19T51R0085	Saripilli L S D K Vamsi Yadav
86	19T51R0086	Shankar Rao Bora
87	19T51R0087	ShivaniNamburu
88	19T51R0088	SiragamAkhil Kumar
89	19T51R0089	Srivatsavai Lakshmi Sandili
90	19T51R0090	Sunkara Anju Sree
91	19T51R0091	Tadi Abhishek
92	19T51R0092	Tapa Poojitha
93	19T51R0093	TelapalliHaritha
94	19T51R0094	TelikicherlaVeenapani
95	19T51R0095	ThamatapuAravind
96	19T51R0096	Toyaka Manisha
97	19T51R0097	Vankayalapati Sai Sravani
98	19T51R0098	VantakulaLavanya
99	19T51R0099	YammalaVamsi
100	19T51R01A1	Paspu Reddy Sharnalatha
101	19T51R01A2	KoyyaRoshini
102	19T51R01A3	SimhadriGnanaPrasanna

D. Purnima
Course Coordinator

[Signature]
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M. PAVANI
HOD
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor



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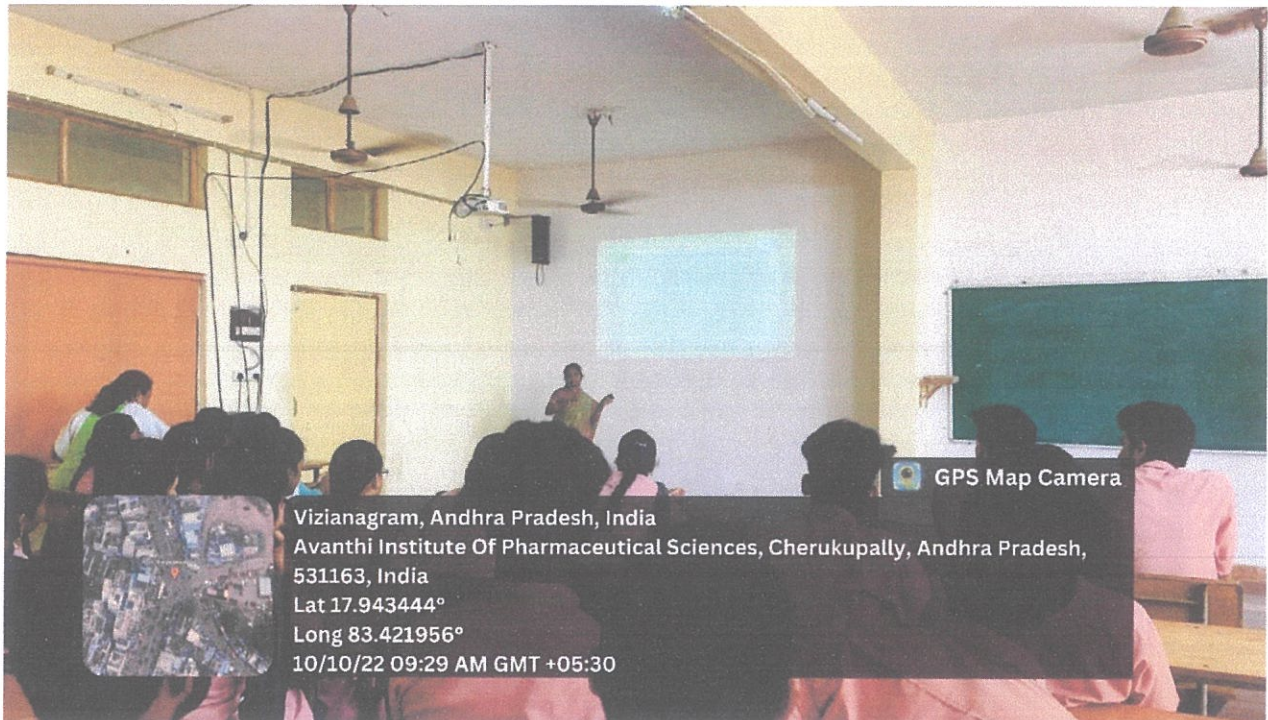


ESTD : 2005

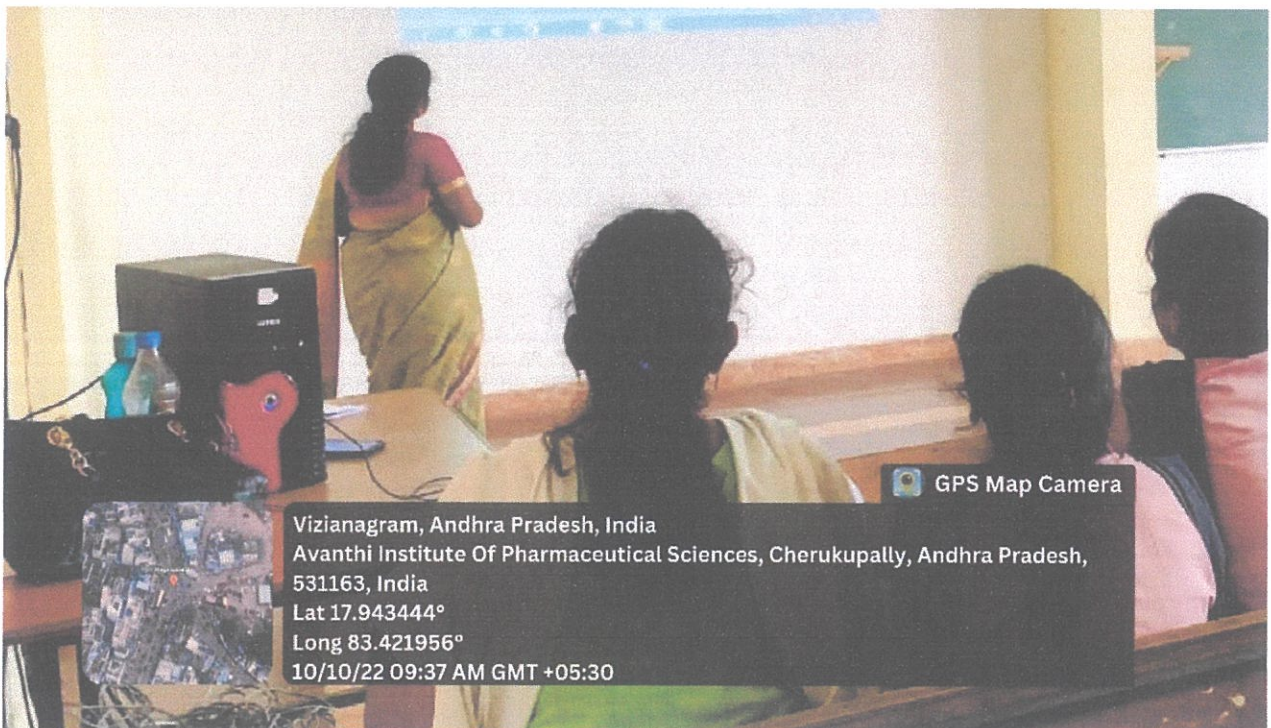
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Vizianagaram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
10/10/22 09:29 AM GMT +05:30



Vizianagaram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
10/10/22 09:37 AM GMT +05:30

The students of 4th year B. Pharmacy certificate program attending “**EMERGING TRENDS IN TARGETED DRUG DELIVERY SYSTEM**” by the Professor Dr. M. Saritha from Vignan Institute of Pharmaceutical Technology

D. Puenninga
Course Coordinator



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M. Saritha
HOD
Professor

Dr. M. Saritha, M.Pharm, Ph.D.

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Date : 10-10-2022 to 15-10-2022

Subject : "Emerging Trends in Targeted drug delivery systems" IV B. Pharmacy

S.No	Roll No.	Student Name	10/10/22	11/10/22	12/10/22	13/10/22	14/10/22	15/10/22
1	19T51R0001	Alajangi Jhansi	A	✓	✓	✓	✓	✓
2	19T51R0002	Anguluru Jyothirmai	✓	A	✓	✓	A	✓
3	19T51R0003	Arava Naveen	✓	✓	✓	✓	✓	✓
4	19T51R0004	Bandaru Hanok Hemanth Kumar	✓	✓	A	✓	✓	✓
5	19T51R0005	Bandaru Ramakala	A	✓	✓	A	✓	A
6	19T51R0006	Bankapalli Sai Rajitha	✓	✓	✓	✓	✓	✓
7	19T51R0007	Behara Durga Sampat Bhavana	A	A	A	A	A	A
8	19T51R0008	Biddika Prasanth Kumar	A	A	A	A	A	A
9	19T51R0009	Bodapati Kaveri	✓	✓	✓	✓	✓	✓
10	19T51R0010	Boddu Mary Mani	A	✓	✓	A	A	A
11	19T51R0011	Bogi Pradeep	✓	✓	A	✓	✓	✓
12	19T51R0012	Bolli Bindhusri	A	✓	✓	✓	✓	✓
13	19T51R0013	Bontalakoti Sheshadrimani	✓	✓	✓	A	A	✓
14	19T51R0014	Bonula Saikumar	✓	A	✓	✓	✓	✓
15	19T51R0015	Bosi Rajkumar	✓	✓	A	A	✓	✓
16	19T51R0016	Botta Mamatha	A	✓	✓	✓	✓	✓
17	19T51R0017	Buddala Kasturi	✓	✓	✓	✓	A	✓
18	19T51R0018	Budumuru Gayatri	A	✓	A	✓	✓	✓
19	19T51R0019	Buradhapati Gopala Krishna	✓	A	✓	✓	✓	✓
20	19T51R0020	Chilakala Teja	✓	✓	✓	✓	✓	A

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21	19T51R0021	Chinta Kiranmayi	A	✓	✓	✓	✓	✓
22	19T51R0022	ChinthalaSwathimathi	✓	A	✓	A	✓	✓
23	19T51R0023	Doddi Shanmukha Rithika	✓	✓	A	✓	✓	✓
24	19T51R0024	Donthala Kusuma	✓	✓	✓	✓	A	✓
25	19T51R0025	Dundangi Sarvani	✓	✓	A	✓	✓	✓
26	19T51R0026	Duvvana Hemalatha	A	A	✓	✓	✓	A
27	19T51R0027	Dwarapureddi Lavanya	✓	✓	✓	✓	A	✓
28	19T51R0028	Era Jyothi Proadhan	✓	✓	A	✓	✓	✓
29	19T51R0029	Gajjala Sreekanth	✓	A	✓	A	✓	A
30	19T51R0030	Gajjala Adi Narayana	A	✓	✓	✓	✓	✓
31	19T51R0031	Gorrela Raju	✓	✓	✓	✓	A	✓
32	19T51R0032	Gudivada Gopala Krishna	✓	✓	✓	✓	✓	✓
33	19T51R0033	Gurala Vedhika Sridevi	A	A	✓	✓	A	✓
34	19T51R0034	Gurana Bhavani	✓	✓	✓	✓	✓	✓
35	19T51R0035	Gunupuru Nagendra	✓	✓	✓	A	✓	✓
36	19T51R0036	Jagannadha Durga Devi	A	✓	A	✓	✓	✓
37	19T51R0037	Jami Thanuja	✓	A	✓	✓	A	A
38	19T51R0038	Kaibada Swapna	✓	✓	✓	✓	✓	A
39	19T51R0039	Kantreddi Satishkumar	✓	A	✓	✓	A	A
40	19T51R0040	Katta Avinash	A	✓	✓	✓	✓	✓
41	19T51R0041	Kedari Navya	✓	A	✓	✓	A	A
42	19T51R0042	Kedarisetty Pavithra	✓	✓	✓	A	✓	✓
43	19T51R0043	Kollu Veera Manikantha	A	✓	A	✓	✓	A

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44	19T51R0044	Komma Gowthami Bhavani	A	✓	✓	✓	A	✓
45	19T51R0045	Kommuri Revathi	✓	A	A	A	A	A
46	19T51R0046	Kondagorri Hari	A	✓	✓	✓	✓	✓
47	19T51R0047	Kondala Roja Ramani	✓	✓	✓	✓	✓	A
48	19T51R0048	Kornana Pavan Kumar	✓	✓	A	✓	A	✓
49	19T51R0049	Kotamahanthi Sujatha	✓	✓	A	✓	✓	✓
50	19T51R0050	Kotari Santhosh	A	✓	✓	✓	A	✓
51	19T51R0051	Kunthuri Umamahesh	✓	A	✓	A	✓	✓
52	19T51R0052	Kuppa Sridevi	✓	✓	✓	✓	✓	✓
53	19T51R0053	Lankalapalli Sai Bhuvaneshwari	A	✓	A	A	A	A
54	19T51R0054	Lingampalli Satya Sri Hamsika	✓	A	✓	✓	✓	✓
55	19T51R0055	Lotti Chandrika	✓	✓	✓	✓	✓	✓
56	19T51R0056	Madugula Sirisha	A	✓	✓	✓	A	✓
57	19T51R0057	Malla Pavithra Pavani	✓	A	✓	✓	✓	✓
58	19T51R0058	Mamidi Sravani	✓	✓	A	A	✓	✓
59	19T51R0059	Mamidiseti Naina	A	✓	✓	✓	✓	A
60	19T51R0060	Mariserla Devayani	✓	A	✓	A	✓	✓
61	19T51R0061	Matta Suseela	✓	✓	✓	✓	✓	✓
62	19T51R0062	Miriyala Renuka Swathi	✓	✓	A	✓	✓	A
63	19T51R0063	Mohammad Nafisa	✓	A	✓	✓	A	✓
64	19T51R0064	Mosalikanti Rishika	A	✓	✓	✓	✓	✓
65	19T51R0065	Mulli Madhuri	✓	✓	✓	A	✓	✓
66	19T51R0066	Mutyala Lohith	✓	✓	A	✓	✓	A

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67	19T51R0067	Mylapalli Devi	✓	A	✓	A	✓	✓
68	19T51R0068	Nagam Tanuja	A	✓	✓	✓	A	✓
69	19T51R0069	Nammi Padma	✓	A	✓	✓	✓	✓
70	19T51R0070	Neradabilli Sadhana	✓	✓	A	✓	A	✓
71	19T51R0071	Padala Sharon	✓	✓	✓	✓	✓	✓
72	19T51R0072	Palo Swathi	A	✓	✓	A	✓	✓
73	19T51R0073	Pasupuleti Bhanu Prakash	✓	A	✓	✓	A	✓
74	19T51R0074	Patnaikuni Sai Jahnvi	✓	✓	✓	✓	✓	✓
75	19T51R0075	Peetala Mrudhula	✓	✓	A	✓	✓	A
76	19T51R0076	Pothina Kavya	A	✓	✓	✓	A	✓
77	19T51R0077	Potnuru Srilekha	✓	A	✓	✓	✓	✓
78	19T51R0078	Puli Harsha Veena	✓	✓	✓	✓	✓	✓
79	19T51R0079	Rajana Dilip Kumar	✓	A	✓	A	✓	✓
80	19T51R0080	Ramadevi Rasula	A	✓	✓	✓	A	✓
81	19T51R0081	Ratnala Bhargavi	✓	✓	✓	✓	✓	A
82	19T51R0082	Reddi Bhavanthi	✓	✓	A	✓	A	✓
83	19T51R0083	Saka Sesanka	✓	A	✓	A	A	A
84	19T51R0084	SarapentaHarinhadh	A	✓	✓	A	✓	A
85	19T51R0085	Saripilli L S D K Vamsi Yadav	✓	✓	A	✓	✓	✓
86	19T51R0086	Shankar Rao Bora	✓	✓	✓	✓	A	✓
87	19T51R0087	Shivani Namburu	A	A	✓	✓	✓	A
88	19T51R0088	Siragam Akhil Kumar	✓	✓	A	✓	✓	✓
89	19T51R0089	Srivatsavai Lakshmi Sandili	✓	A	✓	A	✓	✓

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90	19T51R0090	Sunkara Anju Sree	A	✓	✓	A	✓	✓
91	19T51R0091	Tadi Abhishek	✓	✓	A	✓	A	✓
92	19T51R0092	Tapa Poojitha	A	✓	✓	✓	A	✓
93	19T51R0093	Telapalli Haritha	A	✓	✓	✓	✓	✓
94	19T51R0094	Telikicherla Veenapani	✓	A	✓	✓	✓	A
95	19T51R0095	Thamatapu Aravind	✓	✓	✓	✓	A	✓
96	19T51R0096	Toyaka Manisha	✓	✓	✓	✓	✓	✓
97	19T51R0097	Vankayalapati Sai Sravani	A	✓	✓	A	✓	✓
98	19T51R0098	Vantakula Lavanya	✓	✓	✓	✓	✓	✓
99	19T51R0099	Yammala Vamsi	✓	A	✓	✓	A	A
100	19T51R01A1	Paspu Reddy Sharnalatha	✓	✓	✓	✓	✓	✓
101	19T51R01A2	Koyya Roshini	✓	A	A	✓	A	✓
102	19T51R01A3	Simhadri Gnana Prasanna	✓	A	✓	A	✓	✓

D. Purnima

Course Coordinator

H. Pavani

HOD

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CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist



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Date : 10-10-2022 to 15-10-2022
No. of Students Enrolled : 102
Subject : "Emerging Trends in Targeted drug delivery system"
IV B. Pharmacy

S. No	Roll No	Student Name	No. of classes Attended	% of classes Attended
1	19T51R0001	Alajangi Jhansi	30	83%
2	19T51R0002	Anguluru Jyothirmai	24	66%
3	19T51R0003	Arava Naveen	36	100%
4	19T51R0004	Bandaru Hanok Hemanth Kumar	30	83%
5	19T51R0005	Bandaru Ramakala	18	50%
6	19T51R0006	Bankapalli Sai Rajitha	36	100%
7	19T51R0007	Behara Durga Sampat Bhavana	NIL	0%
8	19T51R0008	Biddika Prasanth Kumar	NIL	0%
9	19T51R0009	Bodapati Kaveri	36	100%
10	19T51R0010	Boddu Mary Mani	12	33%
11	19T51R0011	Bogi Pradeep	30	83%
12	19T51R0012	Bolli Bindhusri	30	83%
13	19T51R0013	Bontalakoti Sheshadrimani	24	66%
14	19T51R0014	Bonula Saikumar	30	83%
15	19T51R0015	Bosi Rajkumar	24	66%
16	19T51R0016	Botta Mamatha	30	83%
17	19T51R0017	Buddala Kasturi	30	83%




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18	19T51R0018	Budumuru Gayatri	24	66%
19	19T51R0019	Buradhapati Gopala Krishna	30	83%
20	19T51R0020	Chilakala Teja	30	83%
21	19T51R0021	Chinta Kiranmayi	30	83%
22	19T51R0022	Chinthala Swathimathi	24	66%
23	19T51R0023	Doddi Shanmukha Rithika	30	83%
24	19T51R0024	Donthala Kusuma	30	83%
25	19T51R0025	Dundangi Sarvani	30	83%
26	19T51R0026	Duvvana Hemalatha	18	50%
27	19T51R0027	Dwarapureddi Lavanya	30	83%
28	19T51R0028	Era Jyothi Prodhan	30	83%
29	19T51R0029	Gajjala Sreekanth	18	50%
30	19T51R0030	Gajjala Adi Narayana	30	83%
31	19T51R0031	Gorrela Raju	30	83%
32	19T51R0032	Gudivada Gopala Krishna	36	100%
33	19T51R0033	GuralaVedhika Sridevi	18	50%
34	19T51R0034	Gurana Bhavani	36	100%
35	19T51R0035	Gunupuru Nagendra	30	83%
36	19T51R0036	Jagannadha Durga Devi	24	66%
37	19T51R0037	Jami Thanuja	18	50%
38	19T51R0038	Kaibada Swapna	30	83%
39	19T51R0039	Kantreddi Satishkumar	18	50%




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40	19T51R0040	Katta Avinash	30	83%
41	19T51R0041	Kedari Navya	18	50%
42	19T51R0042	Kedarisetty Pavithra	30	83%
43	19T51R0043	Kollu Veera Manikantha	18	50%
44	19T51R0044	Komma Gowthami Bhavani	24	66%
45	19T51R0045	Kommuri Revathi	6	16%
46	19T51R0046	Kondagorri Hari	30	83%
47	19T51R0047	Kondala Roja Ramani	30	83%
48	19T51R0048	Kornana Pavan Kumar	24	66%
49	19T51R0049	Kotamahanthi Sujatha	30	83%
50	19T51R0050	Kotari Santhosh	24	66%
51	19T51R0051	Kunthuri Umamahesh	24	66%
52	19T51R0052	Kuppa Sridevi	36	100%
53	19T51R0053	Lankalapalli Sai Bhuvaneshwari	6	16%
54	19T51R0054	Lingampalli Satya Sri Hamsika	30	83%
55	19T51R0055	Lotti Chandrika	36	100%
56	19T51R0056	Madugula Sirisha	24	66%
57	19T51R0057	Malla Pavithra Pavani	36	100%
58	19T51R0058	Mamidi Sravani	24	66%
59	19T51R0059	Mamidiseti Naina	24	66%
60	19T51R0060	Mariserla Devayani	24	66%
61	19T51R0061	Matta Suseela	36	100%



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62	19T51R0062	Miriyala Renuka Swathi	24	66%
63	19T51R0063	Mohammad Nafisa	24	66%
64	19T51R0064	Mosalikanti Rishika	30	83%
65	19T51R0065	Mulli Madhuri	30	83%
66	19T51R0066	Mutyala Lohith	24	66%
67	19T51R0067	Mylapalli Devi	24	66%
68	19T51R0068	Nagam Tanuja	24	66%
69	19T51R0069	Nammi Padma	30	83%
70	19T51R0070	Neradabilli Sadhana	24	66%
71	19T51R0071	Padala Sharon	36	100%
72	19T51R0072	Palo Swathi	24	66%
73	19T51R0073	Pasupuleti Bhanu Prakash	24	66%
74	19T51R0074	Patnaikuni Sai Jahnvi	36	100%
75	19T51R0075	Peetala Mrudhula	24	66%
76	19T51R0076	Pothina Kavya	24	66%
77	19T51R0077	Potnuru Srilekha	30	83%
78	19T51R0078	Puli Harsha Veena	36	100%
79	19T51R0079	Rajana Dilip Kumar	24	66%
80	19T51R0080	Ramadevi Rasula	24	66%
81	19T51R0081	Ratnala Bhargavi	30	83%
82	19T51R0082	Reddi Bhavanthi	24	66%
83	19T51R0083	Saka Sesanka	12	33%



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84	19T51R0084	Sarapenta Harinhadh	18	50%
85	19T51R0085	Saripilli L S D K Vamsi Yadav	30	83%
86	19T51R0086	Shankar Rao Bora	30	83%
87	19T51R0087	Shivani Namburu	18	50%
88	19T51R0088	Siragam Akhil Kumar	30	83%
89	19T51R0089	Srivatsavai Lakshmi Sandili	24	66%
90	19T51R0090	Sunkara Anju Sree	24	66%
91	19T51R0091	Tadi Abhishek	24	66%
92	19T51R0092	Tapa Poojitha	24	66%
93	19T51R0093	Telapalli Haritha	30	83%
94	19T51R0094	Telikicherla Veenapani	24	66%
95	19T51R0095	Thamatapu Aravind	30	83%
96	19T51R0096	Toyaka Manisha	36	100%
97	19T51R0097	Vankayalapati Sai Sravani	24	66%
98	19T51R0098	Vantakula Lavanya	36	100%
99	19T51R0099	Yammala Vamsi	18	50%
100	19T51R01A1	Paspu Reddy Sharnalatha	36	100%
101	19T51R01A2	Koyya Roshini	18	50%
102	19T51R01A3	Simhadri Gnana Prasanna	18	50%

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Course Coordinator

M. Pavan

Dr. M. PAVAN, Ph.D.,
HOD Professor

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held from 10-10-2022 to 15-10-2022.


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KATTA AVINASH

Bearing roll no. **19T51R0040** pursuing **IV B Pharmacy** has successfully completed Value added Course on

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TELAPALLI HARITHA

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KOYYA ROSHINI

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Bearing roll no. **19T51R0006** pursuing **IV B Pharmacy** has successfully completed Value added Course on

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BANDARU RAMAKALA

Bearing roll no. **19T51R0005** pursuing **IV B Pharmacy** has successfully completed Value added Course on

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BANDARU HANOK HEMANTH KUMAR

Bearing roll no. **19T51R0004** pursuing **IV B Pharmacy** has successfully completed Value added Course on

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V. Mungaiyan
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DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2022-23/04

Date: 02-11-2022

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This is to inform all the students of third year B. Pharm that a value-added course will be conducted on the topic “Medical Scribing” from 07-11-2022 to 12-11-2022. Interested students are required to sign-up for the above-mentioned course with “**Dr. T. Geethika**” Virtual Medical Scribe, Aquity Solutions.

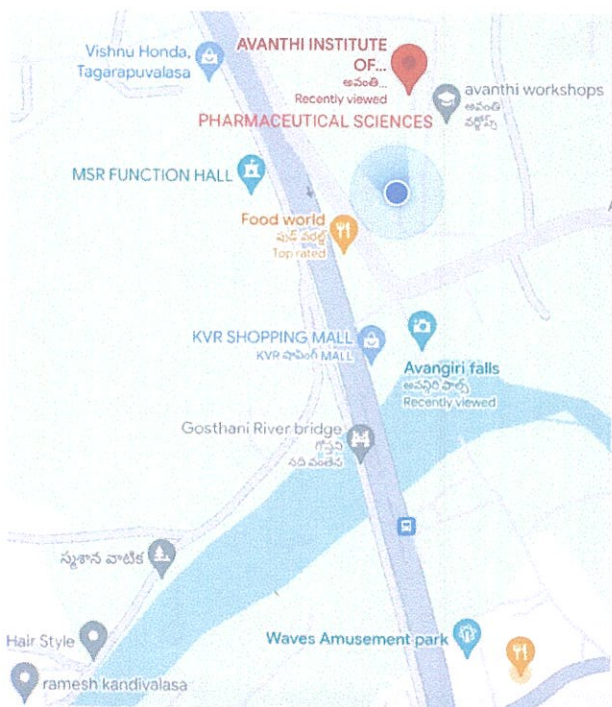



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of Pharmaceutical Sciences at the
host institute



6 Days Workshop

On

Medical Scribing

07/11/2022 - 12/11/2022

Organized By:

**DEPARTMENT OF
PHARMACY**



**AVANTHI INSTITUTE OF
PHARMACEUTICAL
SCIENCES**

(APPROVED BY PCI, A.I.C.TE, NEW
DELHI, AFFILIATED TO J.N.T.U.K
KAKINADA)

CHERUKUPALLY (VILLAGE), NEAR
TAGARAPUVALASA BRIDGE,
BHO GAPURAM (MANDAL), VIZIANAGARAM

Avanthy Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



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Course Title	: Medical scribing
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Dr. T. Geethika, Virtual Medical Scribe, Aqity Solutions, Ramatalkies, Visakhapatnam
Course Coordinator	: Mrs. M. Rekha, Associate Professor
Dates	: 07-11-2022 to 12-11-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/B. Pharm/2022/04

Objectives:

- Record patient encounters in a precise and detailed manner.
- Ensure correct spelling, grammar, and medical terminology usage.
- Utilize electronic health records (EHR) systems proficiently for timely and accurate data entry.
- Streamline the documentation process to support healthcare providers.

Outcomes:

- Enhanced accuracy in medical documentation leads to a more complete and reliable patient record, reducing the risk of errors and improving patient care.
- Medical scribes allow healthcare providers to focus more on patient care and less on documentation, leading to increased efficiency during patient encounters.
- The presence of medical scribes streamlines the documentation process, reducing administrative burden on healthcare providers and improving overall workflow efficiency.
- Medical scribes help save time for healthcare providers by handling documentation tasks, allowing them to see more patients or spend additional time with each patient.
- With the burden of documentation reduced, healthcare providers can devote more attention encounters to patients, fostering improved communication and understanding during medical.



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Syllabus

1. Introduction to Medical Scribing:

- Overview of the role of a medical scribe
- Importance of accurate medical documentation
- Understanding the healthcare team and communication

2. Medical Terminology:

- Basic medical vocabulary
- Anatomical terms and systems
- Prefixes, suffixes, and root words

3. Anatomy and Physiology:

- Overview of major body systems
- Understanding common medical conditions
- Recognizing key anatomical structures

4. Electronic Health Records (EHR) Training:

- Familiarity with EHR systems commonly used in healthcare
- Data entry and navigation in EHR software
- HIPAA regulations and patient confidentiality

5. Clinical Procedures:

- Documentation of patient histories
- Recording vital signs and measurements
- Documenting physical examinations and diagnostic tests

6. Common Medical Diagnoses:

- Understanding and documenting various medical conditions
- Recognizing symptoms and diagnostic criteria

H. K. in reko

Course Coordinator



M. pavani

Dr. M. P. HODI, M.Pharm, Ph.D.
Professor

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TIMETABLE

CLASS: III B PHARMACY

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Medical Scribing	Break	Medical Scribing	Lunch	Medical Scribing	Medical Scribing	Break	Medical Scribing	Medical Scribing
TUE									
WED									
THU									
FRI									
SAT									

M. K. ...

Course Coordinator

H. PAVANI

HOD

Dr. M. PAVANI, M.Pharm, Ph.D.
Professor

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H. PAVANI
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Reference book: "Medical Terminology: An Illustrated Guide" by Barbara Janson Cohen

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	07-11-2022	6hrs	1. Introduction to Medical Scribing: <ul style="list-style-type: none">• Overview of the role of a medical scribe• Importance of accurate medical documentation• Understanding the healthcare team and communication
2.		08-11-2022	6hrs	2. Medical Terminology: <ul style="list-style-type: none">• Basic medical vocabulary• Anatomical terms and systems• Prefixes, suffixes, and root words
3.		09-11-2022	6hrs	3. Anatomy and Physiology: <ul style="list-style-type: none">• Overview of major body systems• Understanding common medical conditions• Recognizing key anatomical structures
4.		10-11-2022	6hrs	4. Electronic Health Records (EHR) Training: <ul style="list-style-type: none">• Familiarity with EHR systems commonly used in healthcare• Data entry and navigation in EHR software• HIPAA regulations and patient confidentiality




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5.		11-11-2022	6hrs	5. Clinical Procedures: <ul style="list-style-type: none">• Documentation of patient histories• Recording vital signs and measurements• Documenting physical examinations and diagnostic tests
6.		12-11-2022	6hrs	6. Common Medical Diagnoses: <ul style="list-style-type: none">• Understanding and documenting various medical conditions• Recognizing symptoms and diagnostic criteria

M. K. R. Reddy

Course Coordinator



M. Pavani
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor
HOD

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Assessment:

1. What does the term "polydipsia" refer to in medical language?
 - a. Excessive thirst
 - b. Abnormal heart rhythm
 - c. Difficulty breathing
 - d. Increased appetite
2. In which part of the respiratory system does gas exchange primarily occur?
 - a. Trachea
 - b. Bronchi
 - c. Alveoli
 - d. Pharynx
3. What section of the SOAP note is used to record the healthcare provider's interpretation of the patient's condition?
 - a. Subjective
 - b. Objective
 - c. Assessment
 - d. Plan
4. When documenting a patient's blood pressure, which two measurements are typically recorded?
 - a. Systolic and diastolic
 - b. Heart rate and respiratory rate
 - c. Temperature and oxygen saturation
 - d. BMI and weight
5. A patient with "otitis media" is likely experiencing an issue in which part of the body?
 - a. Eyes
 - b. Ears
 - c. Nose
 - d. Throat
6. Which class of medications is commonly prescribed to reduce inflammation and pain?
 - a. Antibiotics
 - b. Analgesics
 - c. Antihypertensive
 - d. Antipyretics
7. What is the primary purpose of the Health Insurance Portability and Accountability Act (HIPAA)?
 - a. Ensure patient access to healthcare
 - b. Protect patient confidentiality and privacy
 - c. Regulate healthcare provider billing practices
 - d. Standardize medical coding procedures



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8. In professional communication, what does the acronym "SBAR" stand for?
 - a. Situation, Background, Assessment, Recommendation
 - b. Subject, Body, Analysis, Result
 - c. Symptoms, Diagnosis, Treatment, Recovery
 - d. Support, Breakdown, Alternative, Resolution
9. What is the purpose of a Holter monitor in cardiology?
 - a. Measure blood pressure over a 24-hour period
 - b. Record continuous electrocardiogram (ECG) over an extended period
 - c. Monitor respiratory rate during sleep
 - d. Assess blood glucose levels over time
10. Which organization is responsible for overseeing and regulating the safety and health of workers in the United States?
 - a. Centers for Disease Control and Prevention (CDC)
 - b. World Health Organization (WHO)
 - c. Occupational Safety and Health Administration (OSHA)
 - d. Food and Drug Administration (FDA)

M. Krishna
Course Coordinator

M. Pavan
Dr. M. PAVANI, HOD
Professor

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Dr. M. Pavan
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Date : 07-11-2022 to 12-11-2022

No. of Students Enrolled : 96

Subject : "Medical Scribing" III B. Pharmacy

S. No	Roll No.	Student Name
1	20T51R0001	Aakula Mariyamma
2	20T51R0002	Addakula Nandini
3	20T51R0003	Addanki Anil Kumar
4	20T51R0004	Akkireddy Mohan Krishna
5	20T51R0005	Ampolu Priyanka
6	20T51R0008	Arika Swathi
7	20T51R0009	Bankapalli Anuradha
8	20T51R0010	Bara Uma Sivani
9	20T51R0012	Batna Lavanya
10	20T51R0013	Bavana Tejaswini
11	20T51R0014	Bevara Bhavana
12	20T51R0015	Bhavarapu Raviteja
13	20T51R0016	Bonala Radha Shyam Priya
14	20T51R0018	Boosa Vara Naveen Reddy
15	20T51R0019	Chidireddy Devi Divya
16	20T51R0020	Chigurupati Himasri
17	20T51R0021	Chinthapalli Kavya
18	20T51R0022	Chitti Ganesh



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19	20T51R0023	Dayanidhi Pavani
20	20T51R0024	Dhuvvana Ramya Varshini
21	20T51R0025	Doddi Manikanta
22	20T51R0026	Dummu Yamuna
23	20T51R0027	Dusuru Santhosh
24	20T51R0028	Elipothi Ramya
25	20T51R0029	Emandi Komal Hari Rama Krishna
26	20T51R0030	Erothi Bhargavi
27	20T51R0031	Gangireddy Meghana
28	20T51R0032	Ganganitha
29	20T51R0033	Geddapu Susritha
30	20T51R0034	Gorakala Gayathri
31	20T51R0035	Gorele Chandrika
32	20T51R0036	Gutti Sai Yeswanth
33	20T51R0037	Indigabilli Oliva Kumari
34	20T51R0038	Itamsetti Indu
35	20T51R0039	Jagana Thanmai
36	20T51R0040	Jakkireddy Ajay Reddy
37	20T51R0041	Jammu Jenni Paul
38	20T51R0042	Jonnapalli Alaja
39	20T51R0043	Kamisetty Jyothsna
40	20T51R0044	Kanuri Lehari Aparna Sriyani




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41	20T51R0045	Karri Devi
42	20T51R0046	Kattevarapu Srinivasa Rao
43	20T51R0047	Kesa Harika
44	20T51R0048	Kilari Usha Rani
45	20T51R0049	Kinjangi Neerajapriya
46	20T51R0050	Kommala Rupa
47	20T51R0051	Kona Lohitha
48	20T51R0052	Kontajaya Lakshmi
49	20T51R0053	Korada Jayasri
50	20T51R0054	Korakula Viditha
51	20T51R0055	Kosana Jahnvi
52	20T51R0056	Kotipalli Balu
53	20T51R0057	Koyya Yamuna
54	20T51R0058	Kunkupudi Divya Ratna
55	20T51R0059	M S K Poojitha
56	20T51R0060	Mahanthi Gayathri
57	20T51R0061	Majji Purnima
58	20T51R0062	Makka Keerthana
59	20T51R0063	Masa Samuel Raj
60	20T51R0064	Metta Gayathri
61	20T51R0065	Modalavalasa Sravani
62	20T51R0066	Mylapilli Prasanna Lakshmi




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63	20T51R0067	Nandika Jyothi
64	20T51R0068	Naramsetti Jhansi
65	20T51R0070	Neelamsetti Bala Shankar
66	20T51R0071	Orlotu Rasmitha
67	20T51R0072	Palavani Vyshnavi
68	20T51R0073	Pandiri Rajeev
69	20T51R0074	Panthagada Sruthi
70	20T51R0075	Pathivada Manisha
71	20T51R0076	Patnala Jayanth Sri Harsha
72	20T51R0077	Pattika Mukhesh
73	20T51R0078	Pavan Kumar Meela
74	20T51R0079	Pinapatruni Dhana Sai Teja
75	20T51R0080	Pondala Sai Sireesha
76	20T51R0081	Pragada Nisha
77	20T51R0082	Pulakhaandam Nagavadrddhan
78	20T51R0083	Rokkam Eswararao
79	20T51R0084	Sarapenta Sravani
80	20T51R0085	Sharma Jyothirmai
81	20T51R0086	Siripuram Kiran Dattatreya
82	20T51R0087	Suratha Hari Sai
83	20T51R0088	Tanga Raj Latha Sri
84	20T51R0089	Thammineni Bhargavi




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85	20T51R0090	Thanuku Ashika Sai
86	20T51R0091	Thota Lohitha
87	20T51R0092	Vadakkeveetil Leah Suzeine Raju
88	20T51R0093	Vajrapu Harika
89	20T51R0094	Varanas Abhilash
90	20T51R0095	Vasupalli Lavanya
91	20T51R0096	Veluswamy Gayathri
92	20T51R0097	Vemakoti Hemanth Kumar
93	20T51R0098	Yamala Adi Lakshmi
94	20T51R0099	Yarra Jhansi
95	20T51R00A0	Yarrarapu Iswarya
96	20T51R0017	Yetchrla Tharun

M. Krishna
Course Coordinator

M. Pavan
HOD
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor
Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
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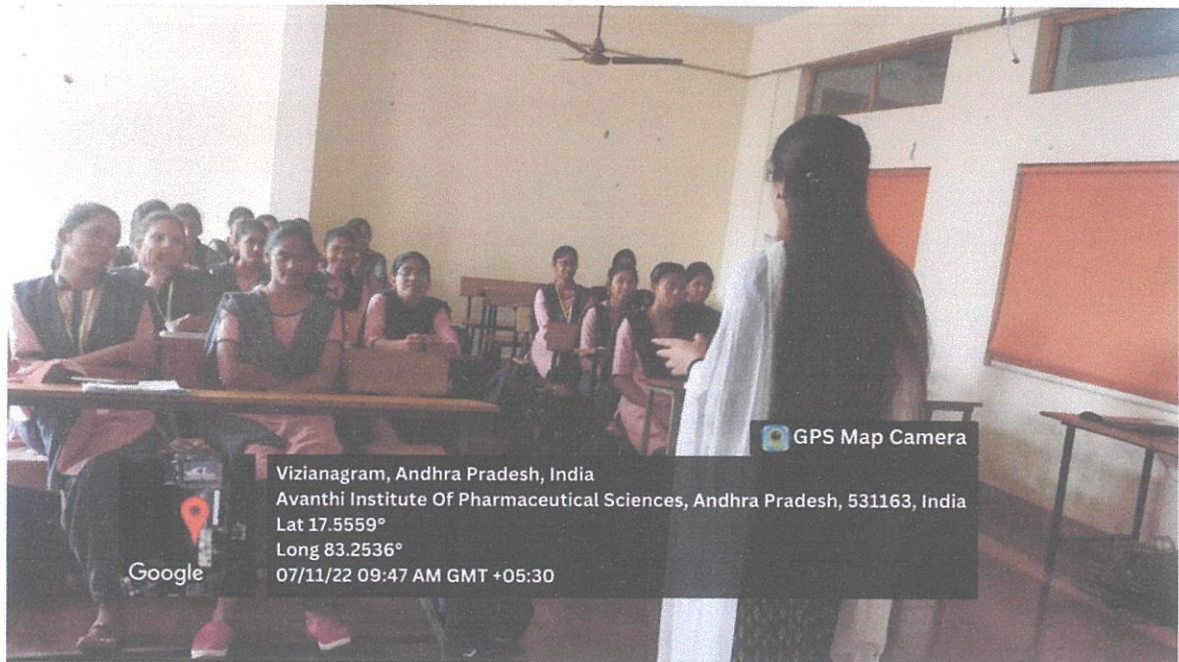
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The students of 3rd year B. Pharmacy certificate program attending “MEDICAL SCRIBING” by the Dr. T. Geethika, Virtual Medical Scribe, Aquity Solutions, Ramatalkies, Visakhapatnam.



M.K. Sankar
Course Coordinator

Joshi
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M. J. Pawan
HOD



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Date : 07-11-2022 to 12-11-2022

Subject : "Medical Scribing"

III B. Pharmacy

S. No	Roll No.	Student Name	07/11/22	08/11/22	09/11/22	10/11/22	11/11/22	12/11/22
1	20T51R0001	Aakula Mariyamma	A	A	A	A	A	A
2	20T51R0002	Addakula Nandini	✓	✓	✓	✓	✓	✓
3	20T51R0003	Addanki Anil Kumar	✓	A	✓	A	✓	A
4	20T51R0004	Akkireddy Mohan Krishna	✓	✓	A	✓	A	✓
5	20T51R0005	Ampolu Priyanka	A	✓	✓	✓	✓	✓
6	20T51R0008	Arika Swathi	✓	✓	✓	✓	✓	A
7	20T51R0009	Bankapalli Anuradha	✓	✓	✓	A	✓	✓
8	20T51R0010	Bara Uma Sivani	✓	A	✓	✓	✓	✓
9	20T51R0012	Batna Lavanya	✓	✓	A	✓	✓	✓
10	20T51R0013	Bavana Tejaswini	A	✓	✓	✓	A	A
11	20T51R0014	Bevara Bhavana	✓	✓	✓	✓	✓	✓
12	20T51R0015	Bhavarapu Raviteja	✓	✓	A	✓	✓	✓
13	20T51R0016	Bonala Radha Shyam Priya	✓	A	✓	✓	A	✓
14	20T51R0018	Chidireddy Devi Divya	A	✓	✓	A	✓	✓
15	20T51R0019	Chigurupati Himasri	✓	✓	✓	✓	✓	✓
16	20T51R0020	Chinthapalli Kavya	✓	A	✓	✓	✓	✓
17	20T51R0021	Chitti Ganesh	A	A	A	A	A	A
18	20T51R0022	Dayanidhi Pavani	A	✓	✓	✓	✓	✓
19	20T51R0023	Dhuvvana Ramya Varshini	✓	A	✓	✓	✓	✓
20	20T51R0024	Doddi Manikanta	✓	✓	A	A	✓	✓
21	20T51R0025	Dummu Yamuna	✓	A	✓	✓	A	✓

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22	20T51R0026	Dusuru Santhosh	A	A	A	A	A	A
23	20T51R0027	Elipothi Ramya	✓	✓	✓	A	✓	✓
24	20T51R0028	Emandi Komal Hari Rama Krishna	✓	A	A	✓	✓	A
25	20T51R0029	Erothi Bhargavi	A	✓	✓	A	✓	✓
26	20T51R0030	Gangireddy Meghana	✓	✓	A	✓	✓	A
27	20T51R0031	GanguAnitha	✓	A	✓	✓	A	✓
28	20T51R0032	Geddapu Susritha	A	✓	✓	✓	✓	✓
29	20T51R0033	Gorakala Gayathri	✓	✓	✓	A	✓	✓
30	20T51R0034	Gorele Chandrika	✓	A	✓	✓	✓	✓
31	20T51R0035	Gutti Sai Yeswanth	✓	✓	A	✓	A	✓
32	20T51R0036	Indigabilli Oliva Kumari	A	A	✓	A	✓	✓
33	20T51R0037	Itamsetti Indu	✓	✓	✓	✓	✓	A
34	20T51R0038	Jagana Thanmai	✓	✓	A	✓	✓	✓
35	20T51R0039	Jakkireddy Ajay Reddy	✓	A	✓	✓	A	✓
36	20T51R0040	Jammu Jenni Paul	✓	✓	✓	✓	✓	✓
37	20T51R0041	Jonnepalli Alaja	A	✓	A	✓	✓	A
38	20T51R0042	Kamisetty Jyothsna	✓	A	✓	A	✓	✓
39	20T51R0043	Kanuri Lehari Aparna Sriyani	✓	✓	✓	✓	A	✓
40	20T51R0044	Karri Devi	✓	A	A	✓	✓	✓
41	20T51R0045	Kattevarapu Srinivasa Rao	A	✓	✓	✓	✓	A
42	20T51R0046	Kesa Harika	✓	✓	✓	A	✓	✓
43	20T51R0047	Kilari Usha Rani	✓	A	✓	✓	✓	✓
44	20T51R0048	Kinjangi NeerajaPriya	✓	✓	✓	✓	A	✓

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45	20T51R0049	Kommala Rupa	A	✓	✓	✓	✓	✓
46	20T51R0050	Kona Lohitha	✓	✓	A	A	✓	✓
47	20T51R0051	Konta Jaya Lakshmi	A	✓	✓	✓	✓	A
48	20T51R0052	Korada Jayasri	✓	✓	✓	✓	A	✓
49	20T51R0053	Korakula Viditha	A	A	A	A	✓	A
50	20T51R0054	Kosana Jahnavi	✓	✓	✓	✓	✓	✓
51	20T51R0055	Kotipalli Balu	A	A	A	A	A	A
52	20T51R0056	Koyya Yamuna	A	✓	✓	✓	✓	✓
53	20T51R0057	Kunkupudi Divya Ratna	✓	✓	A	✓	✓	✓
54	20T51R0058	M S K Poojitha	✓	✓	✓	✓	✓	✓
55	20T51R0059	Mahanthi Gayathri	A	✓	✓	A	✓	✓
56	20T51R0060	Majji Purnima	✓	A	✓	✓	✓	A
57	20T51R0061	Makka Keerthana	✓	✓	A	✓	✓	✓
58	20T51R0062	Masa Samuel Raj	✓	✓	✓	✓	✓	✓
59	20T51R0063	Metta Gayathri	A	✓	✓	A	✓	✓
60	20T51R0064	Modalavalasa Sravani	✓	✓	✓	✓	✓	✓
61	20T51R0065	Mylapilli Prasanna Lakshmi	✓	A	A	✓	A	✓
62	20T51R0066	Nandika Jyothi	✓	✓	✓	✓	✓	A
63	20T51R0067	Naramsetti Jhansi	A	✓	✓	✓	✓	✓
64	20T51R0068	Neelamsetti Bala Shankar	✓	✓	✓	✓	✓	✓
65	20T51R0070	Orlotu Rasmitha	✓	✓	A	✓	✓	✓
66	20T51R0071	Palavani Vyshnavi	✓	A	✓	✓	A	✓
67	20T51R0072	Pandiri Rajeev	✓	✓	✓	A	✓	A

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68	20T51R0073	Panthagada Sruthi	A	✓	✓	✓	✓	✓
69	20T51R0074	Pathivada Manisha	✓	A	✓	✓	✓	✓
70	20T51R0075	Patnala Jayanth Sri Harsha	✓	✓	A	✓	A	✓
71	20T51R0076	Pattika Mukhesh	✓	✓	✓	A	✓	✓
72	20T51R0077	Pavan Kumar Meela	A	✓	A	✓	✓	✓
73	20T51R0078	Pinapatruni Dhana Sai Teja	✓	A	✓	✓	✓	✓
74	20T51R0079	Pondala Sai Sireesha	✓	✓	✓	✓	✓	A
75	20T51R0080	Pragada Nisha	✓	✓	✓	A	✓	✓
76	20T51R0081	Pulakhaandam Naga Vardhan	✓	✓	✓	✓	A	✓
77	20T51R0082	RokkamEswararao	A	A	A	A	A	A
78	20T51R0083	Sarapenta Sravani	✓	✓	✓	✓	✓	✓
79	20T51R0084	Sharma Jyothirmai	✓	A	✓	✓	✓	A
80	20T51R0085	Siripuram Kiran Dattatreya	✓	✓	A	✓	✓	✓
81	20T51R0086	Suratha Hari Sai	A	✓	✓	✓	✓	✓
82	20T51R0087	Tanga Raj Latha Sri	✓	A	✓	A	✓	✓
83	20T51R0088	Thammineni Bhargavi	✓	✓	✓	✓	A	A
84	20T51R0089	Thanuku Ashika Sai	A	✓	A	✓	✓	✓
85	20T51R0090	Thota Lohitha	✓	✓	✓	✓	✓	✓
86	20T51R0091	Vadakkeveettil Leah Suzeine Raju	✓	✓	✓	A	✓	✓
87	20T51R0092	Vajrapu Harika	A	✓	✓	✓	✓	✓
88	20T51R0093	Varanas Abhilash	A	A	A	A	A	A
89	20T51R0094	Vasupalli Lavanya	✓	✓	✓	✓	✓	✓
90	20T51R0095	Veluswamy Gayathri	✓	✓	A	✓	✓	A

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91	20T51R0096	Vemakoti Hemanth Kumar	A	A	A	A	A	A
92	20T51R0097	Yamala Adi Lakshmi	✓	✓	✓	✓	✓	✓
93	20T51R0098	Yarra Jhansi	A	✓	✓	A	✓	✓
94	20T51R0099	Yarrarapu Iswarya	✓	✓	✓	✓	A	✓
95	20T51R00A0	Yetchrla Tharun	A	A	A	A	A	A
96	20T51R0017	Boosa Vara Naveen Reddy	A	A	A	A	A	A
97	20T51R0011	Basva Sowjanya	✓	✓	✓	✓	A	✓

M. K. Sridhar Reddy
Course Coordinator

M. Pavani
HOD

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CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist



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Date : 07-11-2022 to 12-11-2022

No. of Students Enrolled : 96

Subject : "Medical Scribing" III B. Pharmacy

S. No	Roll No.	Student Name	No. of classes Attended	% of classes Attended
1	20T51R0001	Aakula Mariyamma	NIL	0%
2	20T51R0002	Addakula Nandini	36	100%
3	20T51R0003	Addanki Anil Kumar	18	50%
4	20T51R0004	Akkireddy Mohan Krishna	24	66%
5	20T51R0005	Ampolu Priyanka	30	83%
6	20T51R0008	Arika Swathi	30	83%
7	20T51R0009	Bankapalli Anuradha	30	83%
8	20T51R0010	Bara Uma Sivani	30	83%
9	20T51R0012	Batna Lavanya	30	83%
10	20T51R0013	Bavana Tejaswini	18	50%
11	20T51R0014	Bevara Bhavana	36	100%
12	20T51R0015	Bhavarapu Raviteja	30	83%
13	20T51R0016	Bonala Radha Shyam Priya	24	66%
14	20T51R0018	Boosa Vara Naveen Reddy	24	66%
15	20T51R0019	Chidireddy Devi Divya	36	100%
16	20T51R0020	Chigurupati Himasri	30	83%
17	20T51R0021	Chinthapalli Kavya	NIL	0%
18	20T51R0022	Chitti Ganesh	30	83%



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19	20T51R0023	Dayanidhi Pavani	30	83%
20	20T51R0024	Dhuvvana Ramya Varshini	24	66%
21	20T51R0025	Doddi Manikanta	24	66%
22	20T51R0026	Dummu Yamuna	NIL	0%
23	20T51R0027	Dusuru Santhosh	30	83%
24	20T51R0028	Elipothi Ramya	18	50%
25	20T51R0029	Emandi Komal Hari Rama Krishna	24	66%
26	20T51R0030	Erothi Bhargavi	24	66%
27	20T51R0031	Gangireddy Meghana	24	66%
28	20T51R0032	Ganganitha	30	83%
29	20T51R0033	Geddapu Susritha	30	83%
30	20T51R0034	Gorakala Gayathri	30	83%
31	20T51R0035	Gorele Chandrika	24	66%
32	20T51R0036	Gutti Sai Yeswanth	18	50%
33	20T51R0037	Indigabilli Oliva Kumari	30	83%
34	20T51R0038	Itamsetti Indu	30	83%
35	20T51R0039	Jagana Thanmai	24	66%
36	20T51R0040	Jakkireddy Ajay Reddy	36	100%
37	20T51R0041	Jammu Jenni Paul	18	50%
38	20T51R0042	Jonnapalli Alaja	18	50%
39	20T51R0043	Kamisetty Jyothsna	30	83%
40	20T51R0044	Kanuri Lehari Aparna Sriyani	24	66%




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41	20T51R0045	Karri Devi	24	66%
42	20T51R0046	Kattevarapu Srinivasa Rao	30	83%
43	20T51R0047	Kesa Harika	30	83%
44	20T51R0048	Kilari Usha Rani	30	83%
45	20T51R0049	Kinjangi Neerajapriya	30	83%
46	20T51R0050	Kommala Rupa	24	66%
47	20T51R0051	Kona Lohitha	24	66%
48	20T51R0052	Kontajaya Lakshmi	24	66%
49	20T51R0053	Korada Jayasri	6	16%
50	20T51R0054	Korakula Viditha	36	100%
51	20T51R0055	Kosana Jahnavi	NIL	0%
52	20T51R0056	Kotipalli Balu	30	83%
53	20T51R0057	Koyya Yamuna	30	83%
54	20T51R0058	Kunkupudi Divya Ratna	36	100%
55	20T51R0059	M S K Poojitha	24	66%
56	20T51R0060	Mahanthi Gayathri	24	66%
57	20T51R0061	Majji Purnima	30	83%
58	20T51R0062	Makka Keerthana	36	100%
59	20T51R0063	Masa Samuel Raj	24	66%
60	20T51R0064	Metta Gayathri	36	100%
61	20T51R0065	Modalavalasa Sravani	18	50%
62	20T51R0066	Mylapilli Prasanna Lakshmi	30	83%




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63	20T51R0067	Nandika Jyothi	30	83 1/2
64	20T51R0068	Naramsetti Jhansi	36	100 1/2
65	20T51R0070	Neelamsetti Bala Shankar	30	83 1/2
66	20T51R0071	Orlotu Rasmitha	18	50 1/2
67	20T51R0072	Palavani Vyshnavi	24	66 1/2
68	20T51R0073	Pandiri Rajeev	30	83 1/2
69	20T51R0074	Panthagada Sruthi	30	83 1/2
70	20T51R0075	Pathivada Manisha	24	66 1/2
71	20T51R0076	Patnala Jayanth Sri Harsha	30	83 1/2
72	20T51R0077	Pattika Mukhesh	24	66 1/2
73	20T51R0078	Pavan Kumar Meela	30	83 1/2
74	20T51R0079	Pinapatruni Dhana Sai Teja	30	83 1/2
75	20T51R0080	Pondala Sai Sireesha	30	83 1/2
76	20T51R0081	Pragada Nisha	30	83 1/2
77	20T51R0082	Pulakhaandam Nagavadrhdhan	NIL	0 1/2
78	20T51R0083	Rokkam Eswararao	36	100 1/2
79	20T51R0084	Sarapenta Sravani	24	66 1/2
80	20T51R0085	Sharma Jyothirmai	30	83 1/2
81	20T51R0086	Siripuram Kiran Dattatreya	30	83 1/2
82	20T51R0087	Suratha Hari Sai	24	66 1/2
83	20T51R0088	Tanga Raj Latha Sri	24	66 1/2
84	20T51R0089	Thammineni Bhargavi	24	66 1/2




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85	20T51R0090	Thanuku Ashika Sai	36	100%.
86	20T51R0091	Thota Lohitha	30	83%.
87	20T51R0092	Vadakkeveettil Leah Suzeine Raju	30	83%.
88	20T51R0093	Vajrapu Harika	NIL	0%.
89	20T51R0094	Varanas Abhilash	36	100%.
90	20T51R0095	Vasupalli Lavanya	24	66%.
91	20T51R0096	Veluswamy Gayathri	NIL	0%.
92	20T51R0097	Vemakoti Hemanth Kumar	36	100%.
93	20T51R0098	Yamala Adi Lakshmi	24	66%.
94	20T51R0099	Yarra Jhansi	30	83%.
95	20T51R00A0	Yarrarapu Iswarya	30	83%.
96	20T51R0017	Yetchrla Tharun	30	83%.



Course Coordinator


HOD

M. PAVANI, M.Pharm, Ph.D.
Professor

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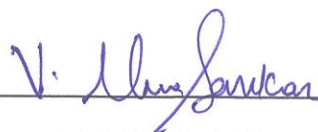


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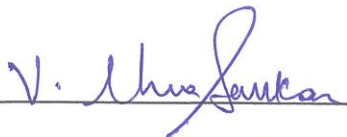
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V. Vinay Sankar

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V. Uma Sankar

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V. Uma Sankar

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V. Uma Sankar

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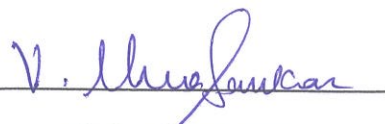
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This certificate is proudly awarded to

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V. Bhargava Kumar

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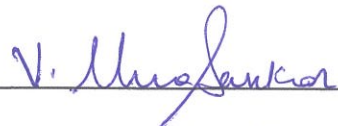
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PATNALA JAYANTH SRI HARSHA

bearing roll no. 20T51R0075 pursuing III B Pharmacy has successfully completed Value Added Course on “MEDICAL SCRIBING” held from 07-11-2022 to 12-11-2022 .


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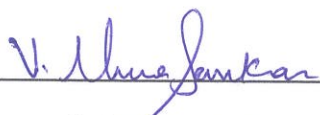
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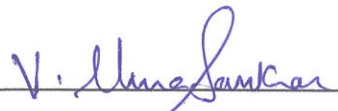
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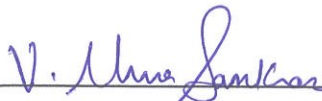
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This certificate is proudly awarded to

YARRARAPU ISWARYA

bearing roll no. 20T51R0099 pursuing III B Pharmacy has successfully completed Value Added Course on “MEDICAL SCRIBING” held from 07-11-2022 to 12-11-2022 .

V. Uma Sankar

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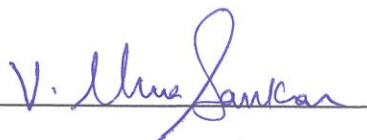
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YETCHRLA THARUN

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DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy Practice/2022-23/05

Date: 28-11-2022

CIRCULAR

This is to inform all the students of **V Pharm D** that a value-added course will be conducted on the topic “**Clinical Data management**” from 12/12/2022 to 17/12/2022. Interested students are required to sign-up for the above-mentioned course with “**Dr. K. Karishma**” clinical research coordinator at **GALAXY CR SERVICES**, siripuram, visakapatnam.



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Institution

Avanthy Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE. The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapuvulasa Bridge adjacent to NH-16. Students of Avanthy boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU.

Route Map



Organizing Committee

Cheif Patron

Smt. M.Gnaneshwari,

Chairperson, AIPS

Patron

Dr. M.B.V.Raju, Principal, AIPS

Convener

V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate Professor

Resource Person



Dr. K. Karishma, Clinical Research Associate, Galaxy, Visakhapatnam

Organizing Committee

Dr. T. Rushi, Assistant Professor

Dr. M.S.V. Sudeep, Assistant Professor

Dr. D. Subha Sri, Assistant Professor

Members

All the faculty from Department of Pharmaceutical Sciences, host institute



6 Days Workshop

On

Clinical Data Management

12-12-2022 to 17-12-2022

Organized By:

DEPARTMENT OF PHARMACY PRACTICE



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY PCI, A.I.C.TE, NEW DELHI, AFFILIATED TO J.N.T.U.G.V VIZIANAGARAM)

CHERUKUPALLY VILLAGE), NEAR TAGARAPUVALASA BRIDGE, BHOGAPURAM(MANDAL), VIZIANAGARAM
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Course Title	: Clinical Data Management
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Dr. K. Karishma, Clinical Research Associate, Galaxy, Visakhapatnam
Course Coordinator	: Dr. V. C. Randeep Raj, Associate Professor
Dates	: 12-12-2022 to 17-12-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2022/..05

Objectives:

- Clinical data management and clinical data integration
- Statistical analysis of clinical trial data
- Clinical data visualization (graphs and tables)
- Integrated report generation to FDA
- Regulatory compliance (CDISC standards)

Out comes:

- Accurate data analysis of clinical trails
- Adaptive clinical trial data analysis
- Ensures the reliability of clinical data
- Efficient report reporting of clinical trial data of FDA




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Syllabus

1. **Introduction of clinical SAS:**
 - Introduction to SAS system and Architecture
 - History and various modules
 - Features in SAS
 - Multiple observation and multiple datasets
 - Creating and redefining variables
 - Reading raw data
2. **Base SAS procedures:**
 - SAS data sets
 - Data set options
 - Operators
 - If-Then else statement
 - Where statement
 - Creating and redefining variables
 - SAS functions
 - Output statement and input statement
 - Stop and error statement
 - Array statement
3. **Base SAS procedures:**
 - Proc sort
 - Proc print
 - Proc means
 - Proc frequency
 - Proc chart
 - Proc compare
 - Proc copy
 - Proc append
 - Proc datasets
 - Proc contents
4. **SAS/REPORTS:**
 - Frequency report
 - One-way frequency report
 - Summary statistics
 - Creating A list report
 - Define statement
 - Printing grand totals
 - Tabulate procedure
 - One – dimensional tables
 - Two – dimensional tables




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5. SQL concepts:

- Introduction
- SQL command set, Operators in SQL, Order by clause, Group
- Terminology, Data types, Key words, Operators
- Changing columns length, Joins and views
- SAS graphs (G chart, procedures)
- MACRO concepts

6. Clinical SAS

- Clinical data in charge standard consortium
- Standard data tabulation model
- SDTM implementation guide and its version
- SDTM fundamentals
- Working on clinical trial data like
- Demographics, Medical history, adverse events etc.


Course Coordinator


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TIMETABLE

CLASS: IV PHARM D


DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Clinical Data Management	Break	Clinical Data Management	Lunch	Clinical Data Management	Clinical Data Management	Break	Clinical Data Management	Clinical Data Management
TUE									
WED									
THU									
FRI									
SAT									

CLASS: V PHARM D

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Clinical Data Management	Break	Clinical Data Management	Lunch	Clinical Data Management	Clinical Data Management	Break	Clinical Data Management	Clinical Data Management
TUE									
WED									
THU									
FRI									
SAT									




Course Coordinator


HOD
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Reference Book: Clinical SAS programming - in 18 easy steps by Y. Lakshmi Prasad

S.NO	No. of Weeks	Dates	Duration 9:30- 4:20 (6hrs)	Topics
1.	Week-1	12-12-2022	6hrs	1. Introduction of clinical SAS: <ul style="list-style-type: none">• Introduction to SAS system and Architecture• History and various modules• Features• Multiple observation and multiple datasets• Creating and redefining variables• Reading raw data
2.		13-12-2022	6hrs	2. Base SAS procedures: <ul style="list-style-type: none">• SAS data sets• Data set options• Operators• If-Then else statement• Where statement• Creating and redefining variables• SAS functions• Output statement and input statement• Stop and error statement• Array statement
3.		14-12-2022	6hrs	3. Base SAS procedures: <ul style="list-style-type: none">• Proc sort• Proc print• Proc means• Proc frequency• Proc chart• Proc compare• Proc copy• Proc append• Proc datasets• Proc contents
4.		15-12-2022	6hrs	4. SAS/REPORTS: <ul style="list-style-type: none">• Frequency report• One-way frequency report• Summary statistics• Creating A list report



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				<ul style="list-style-type: none">• Define statement• Printing grand totals• R break statement• Tabulate procedure• One – dimensional tables• Two – dimensional tables
5.		16-12-2022	6hrs	5. SQL concepts: <ul style="list-style-type: none">• Introduction• SQL command set, Operators in SQL, Order by clause, Group• Terminology, Data types, Key words, Operators• Changing columns length, Joins and views• SAS graphs (G chart, procedures)• MACRO concepts
6.		17-12-2022	6hrs	6. Clinical SAS <ul style="list-style-type: none">• Clinical data in charge standard consortium• Standard data tabulation model• SDTM implementation guide and its version• SDTM fundamentals• Working on clinical trial data like• Demographics, Medical history, adverse events etc.


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Assessment:

1. What is the default delimiter for SAS input data?
 - a. Tab
 - b. Comma
 - c. Space
 - d. Pipe (|)
2. What does SAS stand for?
 - a. Statistical Analysis System
 - b. System Analysis Software
 - c. Systematic Analysis System
 - d. Statistical Analysis Software
3. What is SAS Enterprise Guide?
 - a. A programming environment for SAS
 - b. A data visualization tool
 - c. A data modeling tool
 - d. A database management system
4. Which of the following is NOT a valid SAS statement?
 - a. DATA statement
 - b. PROC statement
 - c. IF statement
 - d. RUN statement
5. Which of the following is a valid SAS variable name?
 - a. 123ABC
 - b. _abc123
 - c. abc.def
 - d. 123_abc
6. Which of the following SAS procedures is used for basic statistical analysis?
 - a. PROC SQL
 - b. PROC MEANS
 - c. PROC REPORT
 - d. PROC FORMAT
7. What is the purpose of the SAS FORMAT statement?
 - a. To specify the input format of data
 - b. To specify the output format of data
 - c. To create a new variable
 - d. To filter observations in a data set
8. Which SAS procedure is used for data manipulation and transformation?
 - a. PROC SQL
 - b. PROC FORMAT
 - c. PROC REPORT
 - d. PROC TRANSPOSE




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9. Which of the following is a valid SAS macro variable name?
- %123ABC
 - &_abc123
 - &abc.def
 - &123_abc
10. Which SAS procedure is used for generating summary reports?
- PROC FREQ
 - PROC MEANS
 - PROC REPORT
 - PROC TRANSPOSE


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Date : 12-12-2022 to 17-12-2022

No. of Students Enrolled : 26

Subject : "Clinical Data Management" V Pharm. D

S. No	Roll No.	Student Name
1	18T51T0002	Bammidi Tushara
2	18T51T0003	Bammidi Jaya Surya
3	18T51T0004	Boddu Kirthana
4	18T51T0005	Bonala Jaya Radha Madhavi
5	18T51T0006	Bonela Meghana
6	18T51T0007	Boodidha Pravallika
7	18T51T0008	Doddi Anusha
8	18T51T0009	Gollapalli Eswari
9	18T51T0011	Kuramana Sneha
10	18T51T0012	Lakhinana Krishna Priya
11	18T51T0013	Lakkoju Satish Kumar Achari
12	18T51T0015	Malla Jnaapika
13	18T51T0016	Mamidi Sireesha
14	18T51T0017	Nuka Himabindu
15	18T51T0018	Olireddi Deepthi
16	18T51T0019	Patnana Vikas
17	18T51T0020	Peer Mahamoodha
18	18T51T0021	Rallapalli Pydi Venkata Satya Sai Prasanth



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19	18T51T0023	Sagari Srinivasarao
20	18T51T0024	Udandarao Meghana
21	18T51T0025	Vana Swathi Priya
22	18T51T0026	Yellabilli Naveen Babu
23	18T51T0027	Imandi Venkata Surekha
24	16T51T0025	Vangala Lehari Jacob
25	21T51T0101	Venigalla Srinivasa Rao
26	21T51T0102	Tutddu Jagadish Chandra

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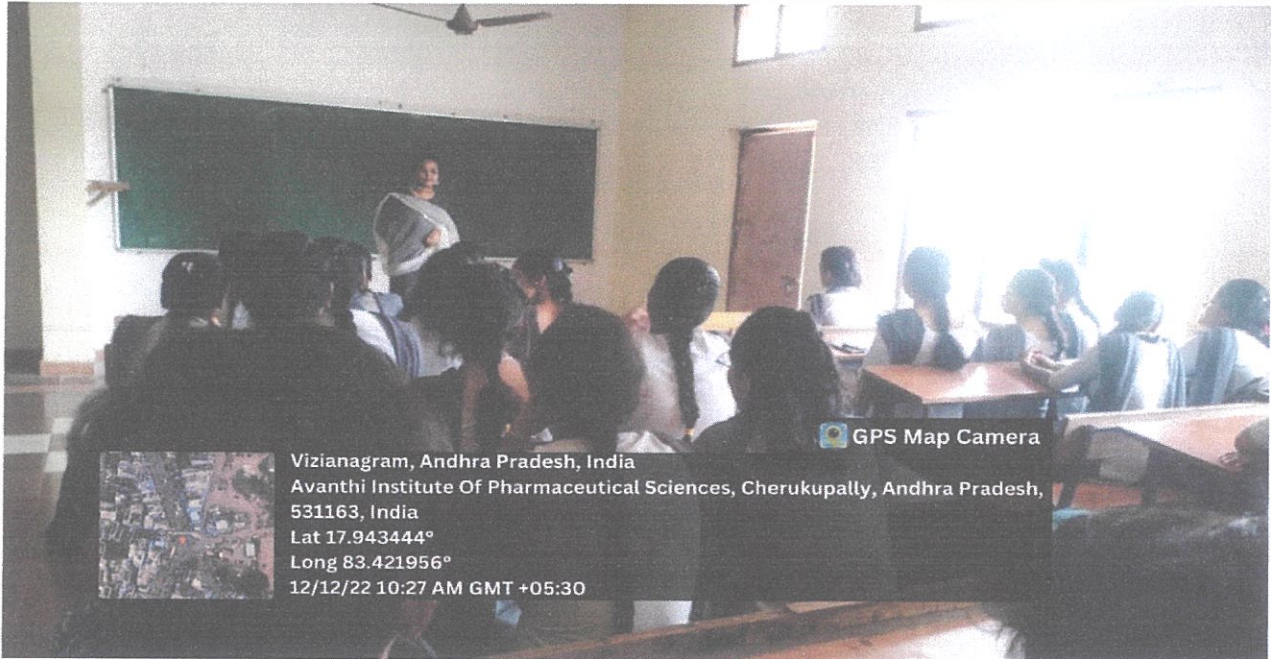
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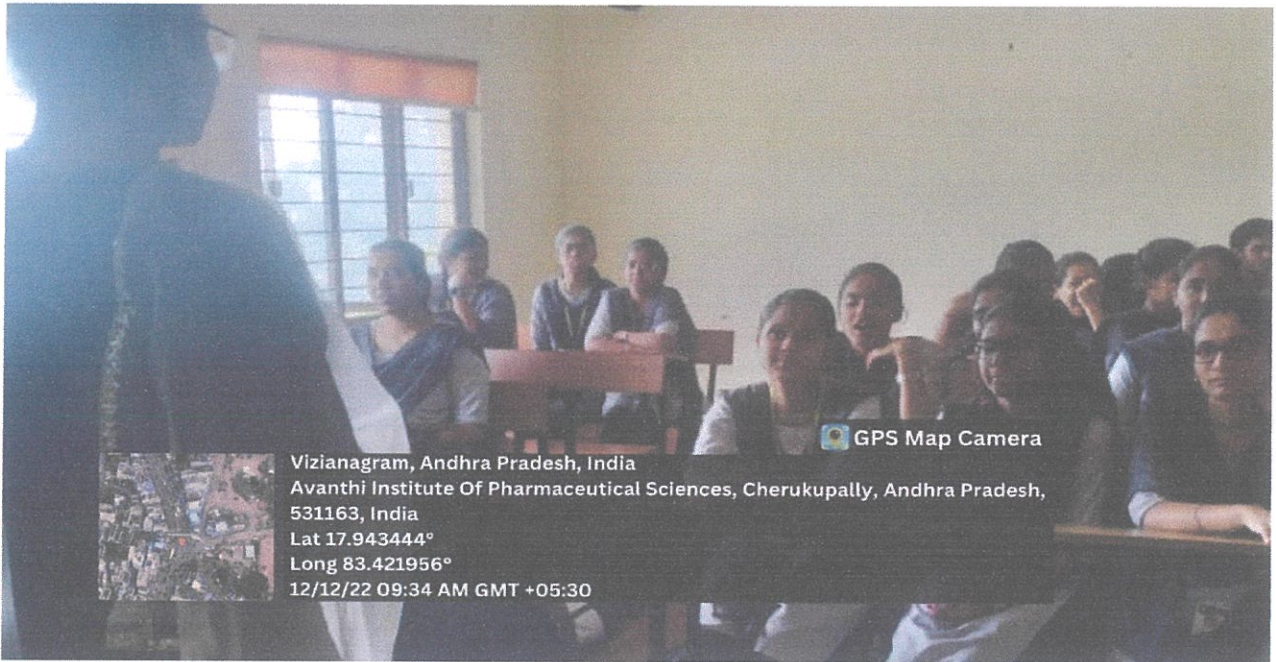
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Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
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Long 83.421956°
12/12/22 10:27 AM GMT +05:30

GPS Map Camera



Vizianagram, Andhra Pradesh, India
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531163, India
Lat 17.943444°
Long 83.421956°
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GPS Map Camera

The students of 4th and 5th year Pharm. D certificate program attending “CLINICAL DATA MANAGEMENT” by Dr. K. Karishma, Clinical Research Associate, Galaxy, Visakhapatnam.


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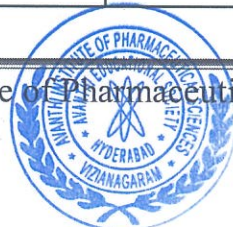
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Date : 12-12-2022 to 17-12-2022

Subject : "Clinical Data Management"

V Pharm. D

S. No	Roll No.	Student Name	12/12/22	13/12/22	14/12/22	15/12/22	16/12/22	17/12/22
1	18T51T0002	BammidiTushara	✓	A	✓	✓	✓	✓
2	18T51T0003	Bammidi Jaya Surya	✓	✓	A	✓	✓	✓
3	18T51T0004	BodduKirthana	✓	✓	✓	✓	✓	✓
4	18T51T0005	Bonala Jaya RadhaMadhavi	A	✓	✓	✓	✓	✓
5	18T51T0006	BonelaMeghana	✓	✓	✓	✓	✓	✓
6	18T51T0007	BoodidhaPravallika	✓	✓	A	✓	✓	✓
7	18T51T0008	DoddiAnusha	✓	✓	✓	✓	A	✓
8	18T51T0009	GollapalliEswari	✓	A	✓	✓	✓	✓
9	18T51T0011	KuramanaSneha	✓	✓	A	✓	✓	✓
10	18T51T0012	Lakhinana Krishna Priya	✓	✓	✓	✓	✓	✓
11	18T51T0013	Lakkoju Satish Kumar Achari	A	A	✓	✓	✓	✓
12	18T51T0015	MallaJnaapika	✓	✓	✓	✓	A	A
13	18T51T0016	MamidiSireesha	✓	✓	A	✓	✓	✓
14	18T51T0017	Nuka Himabindu	✓	✓	✓	✓	✓	✓
15	18T51T0018	OlireddiDeepthi	✓	✓	✓	A	✓	✓
16	18T51T0019	PatnanaVikas	✓	✓	A	✓	✓	✓
17	18T51T0020	Peer Mahamoodha	✓	✓	✓	✓	A	✓
18	18T51T0021	RallapalliPydiVenkata Satya Sai Prasanth	✓	A	✓	✓	✓	✓
19	18T51T0022	SagariSrinivasarao	A	✓	✓	✓	✓	✓
20	18T51T0024	UdandaraoMeghana	✓	✓	✓	✓	✓	✓





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Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
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21	18T51T0025	VanaSwathiPriya	✓	✓	✓	✓	A	✓
22	18T51T0026	Yellabilli Naveen Babu	✓	✓	✓	✓	✓	A
23	18T51T0027	ImandiVenkataSurekha	✓	✓	✓	✓	✓	✓
24	16T51T0025	VangalaLehari Jacob	A	A	A	A	A	A
25	21T51T0101	VenigallaSrinivasa Rao	✓	✓	✓	✓	A	✓
26	21T51T0102	TutdduJagadish Chandra	✓	✓	✓	✓	✓	✓


Course Coordinator


HOD

Avanthi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist




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Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



Date : 12-12-2022 to 17-12-2022
No. of Students Enrolled : 26
Subject : "Clinical Data Management"
V Pharm. D

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	18T51T0002	Bammidi Tushara	30	83%
2	18T51T0003	Bammidi Jaya Surya	30	83%
3	18T51T0004	Boddu Kirthana	36	100%
4	18T51T0005	Bonala Jaya Radha Madhavi	30	83%
5	18T51T0006	Bonela Meghana	36	100%
6	18T51T0007	Boodidha Pravallika	30	83%
7	18T51T0008	Doddi Anusha	30	83%
8	18T51T0009	Gollapalli Eswari	30	83%
9	18T51T0011	Kuramana Sneha	30	83%
10	18T51T0012	Lakhinana Krishna Priya	36	100%
11	18T51T0013	Lakkoju Satish Kumar Achari	24	66%
12	18T51T0015	Malla Jnaapika	24	66%
13	18T51T0016	Mamidi Sireesha	30	83%
14	18T51T0017	Nuka Himabindu	36	100%
15	18T51T0018	Olireddi Deepthi	30	83%
16	18T51T0019	Patnana Vikas	30	83%
17	18T51T0020	Peer Mahamoodha	36	100%



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18	18T51T0021	Rallapalli Pydi Venkata Satya Sai Prasanth	30	83%
19	18T51T0022	Sagari Srinivasarao	30	83%
20	18T51T0024	Udandarao Meghana	36	100%
21	18T51T0025	Vana Swathi Priya	30	83%
22	18T51T0026	Yellabilli Naveen Babu	30	83%
23	18T51T0027	Imandi Venkata Surekha	36	100%
24	16T51T0025	Vangala Lehari Jacob	NIL	0%
25	21T51T0101	Venigalla Srinivasa Rao	30	83%
26	21T51T0102	Tutddu Jagadish Chandra	36	100%


Course Coordinator


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ESTD - 2005

Certificate of completion

This is to certify that Mr/Ms

KURAMANA SNEHA

bearing roll no. **18T51T0011** pursuing V Pharm D has successfully completed Value Added Course on

"Clinical data management"

held from 12-12-2022 to 17-12-2022.

CONVENER

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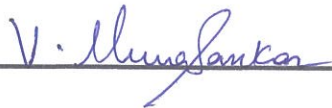
This is to certify that Mr/Ms

MAMIDI SIREESHA

bearing roll no. **18T51T0016** pursuing V Pharm D has successfully completed Value Added
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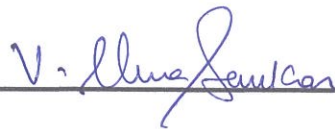
This is to certify that Mr/Ms

YELLABILLI NAVEEN BABU

bearing roll no. **18T51T0026** pursuing V Pharm D has successfully completed Value Added
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UDANDARAO MEGHANA

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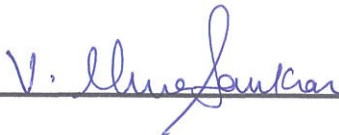
Certificate of completion

This is to certify that Mr/Ms

**RALLAPALLI PYDI VENKATA SATYA SAI
PRASANTH**

bearing roll no. **18T51T0021** pursuing V Pharm D has successfully completed Value Added
Course on

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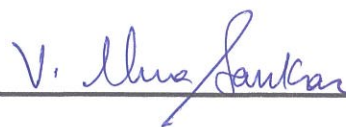
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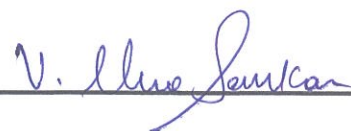
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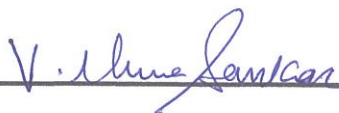
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DODDI ANUSHA
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DEPARTMENT OF PHARMACY

Ref no: AIPS/B. Pharmacy/2022-23/06

Date: 28-11-2022

CIRCULAR

This is to inform all the students of second year M. Pharm that a value-added course will be conducted on the topic “Medical Coding” from 05-12-2022 to 10-12-2022. Interested students are required to sign-up for the above-mentioned course with “**K. Kusuma**” Associate Professor in department of pharmacy.

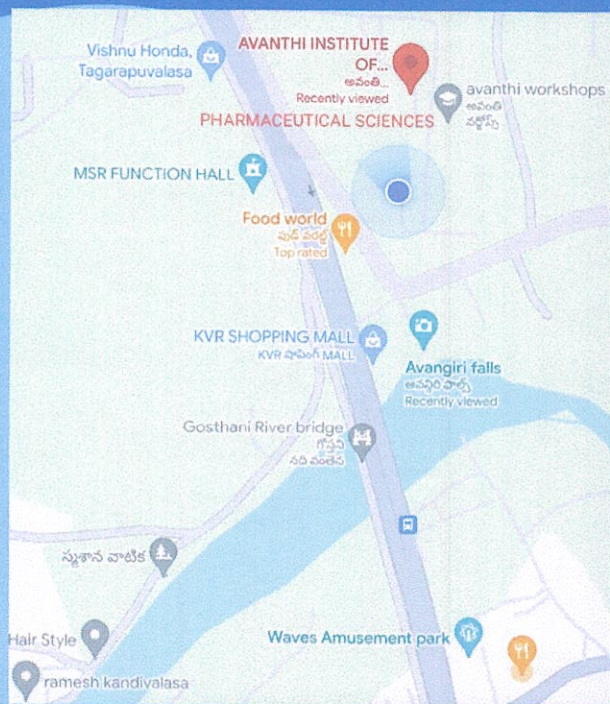



Principal
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Cherukupally (V), Bhogapuram Mandal
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Institution

Avanthy Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapuvalasa Bridge adjacent to NH-16. Students of Avanthy boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU.

Route Map



Organizing Committee

Cheif Patron

Smt. M.Gnaneshwari,
Chairperson, AIPS

Patron

Dr. M.B.V.Raju, Principal, AIPS

Convener

V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate Professor

Resource Person

K. Kusuma,
SOC Analyst,



Optimum

Organizing Committee

Mrs. A H V Santhoshi, Associate Professor

Mrs. B Poornima, Associate Professor

Mr. A Naga Srinivas, Associate Professor

Members

All the faculty from the department of Pharmaceutical Sciences of host institute



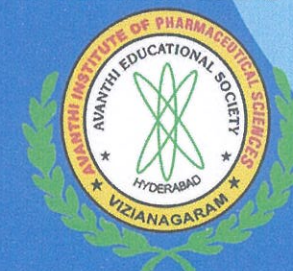
6 Days Workshop
On

Medical Coding

05-12-2022 to 10-12-2022

Organized By:

DEPARTMENT OF
PHARMACY



AVANTHI INSTITUTE OF
PHARMACEUTICAL
SCIENCES

(APPROVED BY PCI, A.I.C.TE, NEW DELHI, AFFILIATED TO J.N.T.U.G.V., VIZIANAGARAM)

CHERUKUPALLY (VILLAGE), NEAR TAGARAPUVALASA BRIDGE,

BHOGAPURAM (Mandal), VIZIANAGARAM

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Course Title	: Medical Coding
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: K. Kusuma, SOC Analyst, Optimum, Visakhapatnam
Course Coordinator	: Mrs. A.H.V. Santhoshi, Associate Professor
Dates	: 05-12-2022 to 10-12-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/M. Pharm/2022/06


Objectives:

- Ensure consistent and standardized documentation of medical procedures, diagnoses, and services.
- Enable accurate billing and reimbursement processes by assigning specific codes to medical services for insurance claims.
- Contribute to improved patient care by providing detailed and accurate information for healthcare decision-making.
- Expedite the billing process by streamlining the submission of claims with accurate and detailed codes, reducing reimbursement delays.

Outcomes:

- Accurate Billing and Reimbursement.
- Financial Stability for Healthcare Providers
- Proper coding helps healthcare organizations adhere to coding guidelines, regulations, and compliance standards, reducing the risk of audits and penalties.




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Syllabus

1. Introduction to Medical Coding and Healthcare Basics

- Overview of the healthcare industry and its components
- Introduction to medical coding: Definition and importance
- Roles and responsibilities of medical coders
- Basic healthcare structures and organizations

2. Medical Terminology and Anatomy Basics

- Basics of medical terminology and abbreviations
- Introduction to human anatomy and physiology
- Common diseases and conditions relevant to coding

3. ICD-10-CM for Diagnosis Coding

- Basics of the ICD-10-CM code set
- Guidelines and conventions for diagnosis coding
- Practical exercises on coding scenarios

4. CPT Coding for Outpatient and Professional Services

- Introduction to the CPT code set
- Evaluation and Management (E/M) coding basics
- Application of CPT codes in outpatient settings

5. HCPCS Coding and Compliance

- Overview of Healthcare Common Procedure Coding System (HCPCS)
- Level I (CPT codes) and Level II (national alphanumeric codes)
- Regulatory compliance in medical coding

6. Practical Coding Applications and Exam Preparation

- Introduction to coding software and tools
- Hands-on coding exercises and case studies
- Strategies for preparing and taking certification exams
- Q&A session and closing remarks



A.H.V. Sankar
Course Coordinator

H.S.
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M. Pavani
HOD
M. PAVANI, M.Pharm, Ph.D.
Professor



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TIMETABLE

CLASS: II M. PHARMACY (Pharmaceutical Analysis)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Medical Coding	Break	Medical Coding	Lunch	Medical Coding	Medical Coding	Break	Medical Coding	Medical Coding
TUE									
WED									
THU									
FRI									
SAT									

CLASS: II M. PHARMACY (Pharmacology)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Medical Coding	Break	Medical Coding	Lunch	Medical Coding	Medical Coding	Break	Medical Coding	Medical Coding
TUE									
WED									
THU									
FRI									
SAT									




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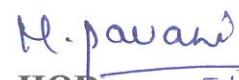
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CLASS: II M. PHARMACY (Pharmaceutics)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Medical Coding	Break	Medical Coding	Lunch	Medical Coding	Medical Coding	Break	Medical Coding	Medical Coding
TUE									
WED									
THU									
FRI									
SAT									


Course Coordinator


HOD
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor
Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
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Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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ESTD : 2005

Reference book: CPT Professional published by the American Medical Association (AMA)

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	05-12-2022	6hrs	1. Introduction to Medical Coding and Healthcare Basics <ul style="list-style-type: none">• Overview of the healthcare industry and its components• Introduction to medical coding: Definition and importance• Roles and responsibilities of medical coders• Basic healthcare structures and organizations
2.		06-12-2022	6hrs	2. Medical Terminology and Anatomy Basics <ul style="list-style-type: none">• Basics of medical terminology and abbreviations• Introduction to human anatomy and physiology• Common diseases and conditions relevant to coding
3.		07-12-2022	6hrs	3. ICD-10-CM for Diagnosis Coding <ul style="list-style-type: none">• Basics of the ICD-10-CM code set• Guidelines and conventions for diagnosis coding• Practical exercises on coding scenarios
4.		08-12-2022	6hrs	4. CPT Coding for Outpatient and Professional Services <ul style="list-style-type: none">• Introduction to the CPT code set• Evaluation and Management (E/M) coding basics• Application of CPT codes in outpatient settings




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5.		09-12-2022	6hrs	5. HCPCS Coding and Compliance <ul style="list-style-type: none">• Overview of Healthcare Common Procedure Coding System (HCPCS)• Level I (CPT codes) and Level II (national alphanumeric codes)• Regulatory compliance in medical coding
6.		10-12-2022	6hrs	6. Practical Coding Applications and Exam Preparation <ul style="list-style-type: none">• Introduction to coding software and tools• Hands-on coding exercises and case studies• Strategies for preparing and taking certification exams• Q&A session and closing remarks

A.H.V. Sautbhi
Course Coordinator



M. Pavan
Dr. M. PAVANTH M.Pharm, Ph.D.
HOD
Professor

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Cherukupally (V), Bhogapuram Mandal,
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Assessment:

- 1. What does CPT stand for in medical coding?**
 - a. Current Patient Terminology
 - b. Current Procedure Terminology
 - c. Clinical Practice Treatment
 - d. Coding and Procedure Terms
- 2. Which code set is commonly used for inpatient procedures in medical coding?**
 - a. ICD-10-CM
 - b. HCPCS Level II
 - c. CPT
 - d. ICD-10-PCS
- 3. What is the primary purpose of ICD-10-CM in medical coding?**
 - a. Coding outpatient procedures
 - b. Coding inpatient procedures
 - c. Coding diagnosis and conditions
 - d. Coding healthcare supplies and equipment
- 4. What does E/M stand for in the context of medical coding?**
 - a. Evaluation and Management
 - b. Emergency Medicine
 - c. Equipment and Medication
 - d. Examination and Monitoring
- 5. HCPCS Level II codes are commonly used for:**
 - a. Outpatient procedures
 - b. Inpatient procedures
 - c. Laboratory services and supplies
 - d. Diagnostic imaging
- 6. Which of the following is an example of an ICD-10-CM code?**
 - a. 99213
 - b. A042
 - c. 58110
 - d. J349
- 7. What is the purpose of an E/M code in medical coding?**
 - a. Identifying specific medical procedures
 - b. Describing patient evaluation and management services
 - c. Coding diagnostic tests
 - d. Assigning medication codes
- 8. In CPT coding, what does modifier -25 indicate?**
 - a. Bilateral procedure
 - b. Significant, separately identifiable evaluation and management service by the same physician on the same day
 - c. Anesthesia by surgeon
 - d. Unusual procedural services





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9. Which organization publishes the ICD-10-CM and ICD-10-PCS coding manuals?

- a. American Medical Association (AMA)
- b. Centers for Medicare & Medicaid Services (CMS)
- c. World Health Organization (WHO)
- d. American Health Information Management Association (AHIMA)

10. What is the primary goal of medical coding?

- a. Facilitate communication among healthcare providers
- b. Assign codes for insurance billing and reimbursement
- c. Monitor patient progress
- d. Schedule medical appointments

A. H. Sankar
Course Coordinator

M. Pawan
HOD



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S.No	Roll No	Student Name
1	21T51S0301	Ambati Ramakrishna
2	21T51S0302	Bevara Rohith Kumar
3	21T51S0303	Neekita Bala
4	21T51S0304	Siddini Sruthi Suvarchala
5	21T51S0305	MallaVasundhara
6	21T51S0306	Migada Durgadevi
7	21T51S0307	Potupureddi Siva Kali Bhargavi
8	21T51S0308	Silaparasetty Shyam Sai
9	21T51S0309	Singidi Venkata Anil Chandra
10	21T51S0310	Undavalli Usbha Priya
11	21T51S0311	Uppada Suryam
12	21T51S0312	Uppada Vasantha
13	21T51S0313	Vennela Manohar

A. H. V. Sauthe
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9	21T51S1609	Marla Prudhvi Raj
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11	21T51S1611	Meka Vamsika
12	21T51S1612	Motapalli Reshma Satya Sri
13	21T51S1613	Nagaraju Sruthi Sandhya
14	21T51S1614	Pandhiripalli Bhuvaneshwari
15	21T51S1615	Peddimsetty Pallavi

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5	21T51S0605	Rongali Ramadevi
6	21T51S0606	Pretom Chakraborty
7	21T51S0607	Yalla Hema Latha


Course Coordinator


Dr. M. PAVANI, M.Pharm, Ph.D.,
Professor, HOD

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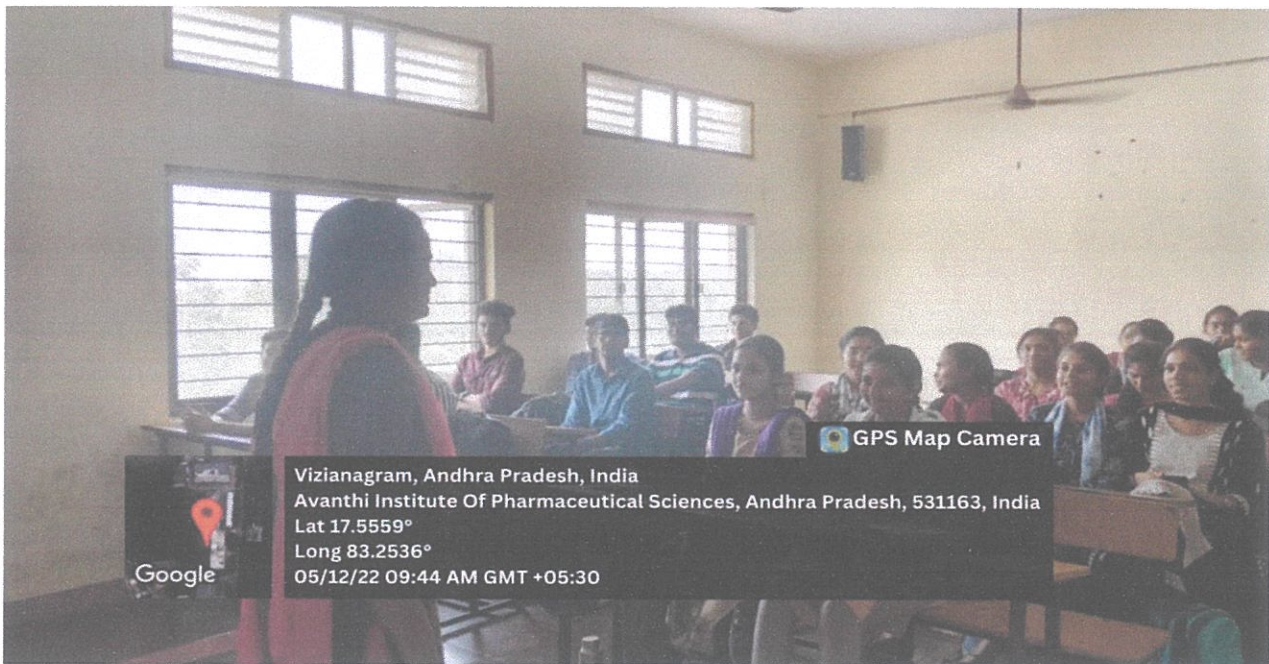
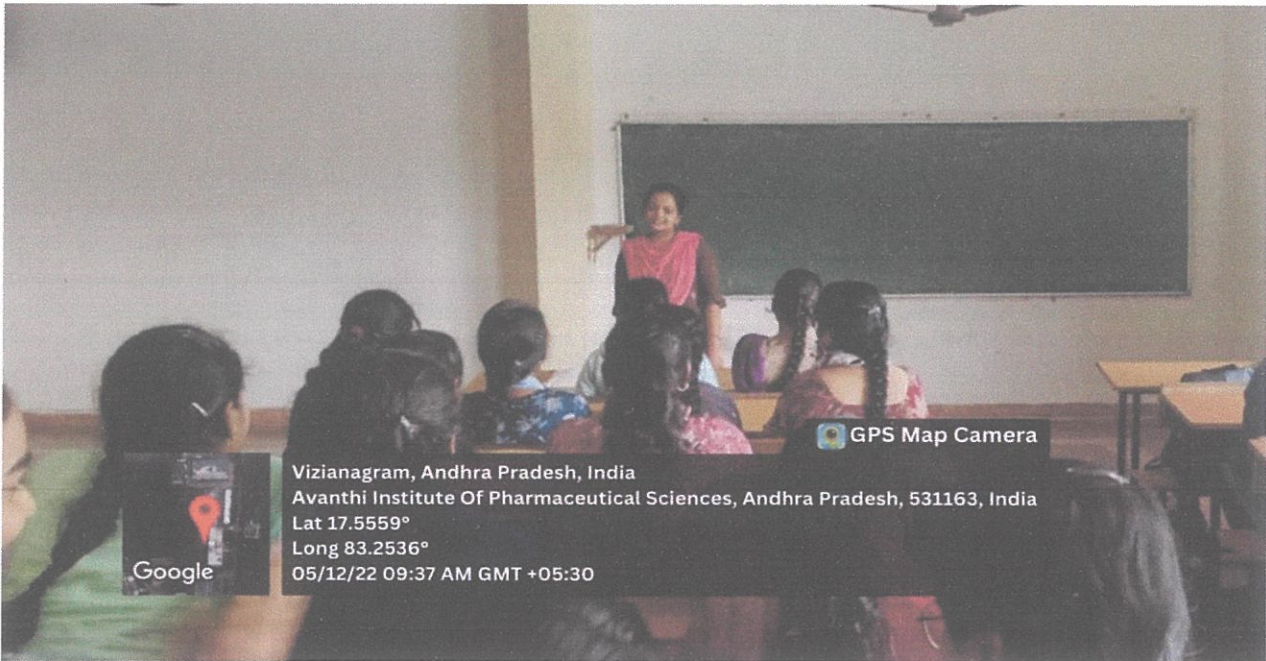

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The students of 4th year Pharmacy program attending certificate program on “MEDICAL CODING” by the K. Kusuma, SOC Analyst, Optimum, Visakhapatnam

A. J. V. Sankar
Course Coordinator



Jess
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Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal,
Vizianagaram Dt., - 531162
M. Ravani
HOD
Dr. M. RAVANI, M.Pharm, Ph.D.
Professor



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2	21T51S0302	Bevara Rohith Kumar	✓	✓	A	✓	✓	✓
3	21T51S0303	Neekita Bala	A	✓	✓	✓	✓	A
4	21T51S0304	Siddini Sruthi Suvarchala	✓	✓	✓	A	✓	✓
5	21T51S0305	Malla Vasundhara	✓	✓	✓	✓	✓	✓
6	21T51S0306	Migada Durgadevi	✓	A	A	✓	A	✓
7	21T51S0307	Potupureddi Siva Kali Bhargavi	✓	✓	✓	✓	✓	✓
8	21T51S0308	Silaparasetty Shyam Sai	✓	A	✓	A	✓	A
9	21T51S0309	Singidi Venkata Anil Chandra	A	✓	✓	✓	✓	✓
10	21T51S0310	UndavalliUsbha Priya	✓	✓	A	✓	✓	✓
11	21T51S0311	Uppada Suryam	✓	✓	✓	✓	A	✓
12	21T51S0312	Uppada Vasantha	✓	✓	✓	✓	✓	✓
13	21T51S0313	Vennela Manohar	✓	✓	✓	A	✓	✓

A. H. S. S. S.
Course Coordinator



M. Pavani
HOD
Avanathi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist

M. S. S.
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1	21T51S1601	Bonu Priyanka	✓	A	✓	✓	✓	✓
2	21T51S1602	Buddharaju Lekha	✓	✓	A	✓	A	✓
3	21T51S1603	GanivadaGeethashankara Rao	✓	✓	✓	✓	✓	✓
4	21T51S1604	Garbapu Vamsi	A	✓	✓	✓	✓	A
5	21T51S1605	Gembali Rohitha	✓	A	✓	A	✓	✓
6	21T51S1606	Kaligotla Naga Hima Bindu	✓	✓	✓	✓	A	✓
7	21T51S1607	Kenguva Ramya	✓	✓	✓	✓	✓	✓
8	21T51S1608	Kesamasetty V. Sai Aparna Lahari Likitha	✓	✓	A	✓	✓	A
9	21T51S1609	Marla Prudhvi Raj	A	✓	✓	✓	✓	✓
10	21T51S1610	Meka Pavan Kalyan	✓	A	✓	A	A	✓
11	21T51S1611	Meka Vamsika	✓	✓	✓	✓	✓	✓
12	21T51S1612	Motapalli Reshma Satya Sri	A	✓	A	✓	✓	A
13	21T51S1613	Nagaraju Sruthi Sandhya	✓	✓	✓	✓	✓	✓
14	21T51S1614	Pandhiripalli Bhuvaneshwari	✓	✓	✓	✓	A	✓
15	21T51S1615	Peddimsetty Pallavi	✓	✓	✓	✓	✓	✓

A.H.V. Senthil Kumar
Course Coordinator

U. Parvathi
HOD
Avanthi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist
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3	21T51S0603	Manish Kumar	✓	✓	A	✓	✓	A
4	21T51S0604	Vudata Rachana	✓	A	✓	✓	✓	✓
5	21T51S0605	Rongali Ramadevi	A	✓	✓	A	A	✓
6	21T51S0606	Pretom Chakraborty	✓	✓	A	✓	✓	✓
7	21T51S0607	Yalla Hema Latha	✓	✓	✓	✓	✓	✓

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M. Pavani
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Date : 05-12-2022 to 10-12-2022
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1	21T51S0301	Ambati Ramakrishna	30	83%
2	21T51S0302	Bevara Rohith Kumar	30	83%
3	21T51S0303	Neekita Bala	24	66%
4	21T51S0304	Siddini Sruthi Suvarchala	30	83%
5	21T51S0305	Malla Vasundhara	36	100%
6	21T51S0306	Migada Durgadevi	18	50%
7	21T51S0307	Potupureddi Siva Kali Bhargavi	36	100%
8	21T51S0308	Silaparasetty Shyam Sai	18	50%
9	21T51S0309	Singidi Venkata Anil Chandra	30	83%
10	21T51S0310	Undavalli Usbha Priya	30	83%
11	21T51S0311	Uppada Suryam	30	83%
12	21T51S0312	Uppada Vasantha	36	100%
13	21T51S0313	Vennela Manohar	30	83%

A. H. S. Sankar
Course Coordinator



M. Pavan
Dr. M. P. HODI, M.Pharm, Ph.D.
Professor

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15	21T51S1615	Peddimsetty Pallavi	36	100%



A.H.V. Sandhu
Course Coordinator

M. Pavan
PRINCIPAL

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7	21T51S0607	Yalla Hema Latha	36	100%

A.M.V. Guntlani
Course Coordinator

M. Pavani
Dr. M. PAVANI, M.Pharm, Ph.D.,
Professor **HOD**

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Certificate of Completion

This is to certify that Mr/Ms
B ROHITH KUMAR
bearing roll no. 21T51S0302 pursuing II M Pharmacy has successfully completed Value Added
Course on
“MEDICAL CODING”
held from 05-12-2022 to 10-12-2022 .


Convener




Principal
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Certificate of Completion

This is to certify that Mr/Ms

BALA NEEKITA

bearing roll no. 21T51S0303 pursuing II M Pharmacy has successfully completed Value Added

Course on

“MEDICAL CODING”

held from 05-12-2022 to 10-12-2022.


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BONU PRIYANKA

bearing roll no. 21T51S01601 pursuing II M Pharmacy has successfully completed Value Added

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This is to certify that Mr/Ms

KENGUVA RAMYA

bearing roll no. 21T51S01607 pursuing II M Pharmacy has successfully completed Value Added

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This is to certify that Mr/Ms
MOTAPALLI RESHMA SATYA SRI
bearing roll no. 21T51S01612 pursuing II M Pharmacy has successfully completed Value Added
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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

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This is to certify that Mr/Ms
NAGARAJU SRUTHI SANDHYA
bearing roll no. 21T51S01613 pursuing II M Pharmacy has successfully completed Value Added
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This is to certify that Mr/Ms

PANDHIRI PALLI BHUVANESWARI

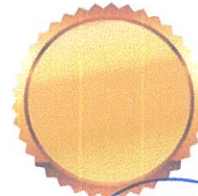
bearing roll no. 21T51S01614 pursuing II M Pharmacy has successfully completed Value Added

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This is to certify that Mr/Ms
AMBATI RAMAKRISHNA
bearing roll no. 21T51S0301 pursuing II M Pharmacy has successfully completed Value Added
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This is to certify that Mr/Ms

POTUPUREDDI SIVAKALI BHARGHAVI

bearing roll no. 21T51S0307 pursuing II M Pharmacy has successfully completed Value Added

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JAMI JYOSHNA

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DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2022-23/07

Date: 19-12-2022

CIRCULAR

This is to inform all the students of **II Pharm D** that a value-added course will be conducted on the topic “**Microbiological tests of different water samples**” from 02/01/2023 to 07/01/2023. Interested students are required to sign-up for the above-mentioned course with “**Mr. S. Chandrasekhar**” Associate Professor at Avanthi Institute of Pharmaceutical sciences.

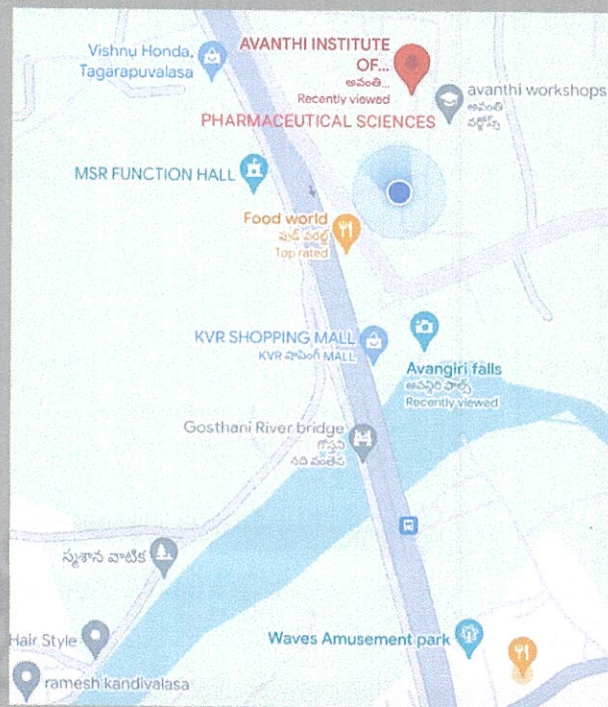



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Institution

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Route Map



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V.Uma Sankar, Associate Professor

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Mrs. B. Chaitanya, Associate
Professor

Resource Person

Mr. S. Chandra Sekhar,
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Avanthi Institute of
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Dr. D. Subha Sri, Assistant Professor

Dr. A. Jyotsna, Assistant Professor

Dr. M.S.V. Sudeep, Assistant
Professor

Members

All the faculty from the department of
of Pharmaceutical Sciences of the
host institute



6 Days Workshop

On

Microbiological Tests of different water samples.

02/01/2023 - 07/01/2023

Organized By:

DEPARTMENT OF
PHARMACY PRACTICE



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Course Title	: Microbiological tests of different water samples
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Mr. S. Chandra Shekhar, Associate Professor
Course Coordinator	: Dr. B. Teja Sree
Dates	: 02-01-2023 to 07-01-2023
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2023/07


Objectives:

- Sterilization and Microbiological tests
- Remove pathogens
- Reduce the number of microorganisms
- Keep equipment ready for use
- Protect the integrity of laboratory research

Outcomes:

- Relevance of pathogenic organisms
- Bacterial load
- Number of different organisms
- Increased CRP




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Syllabus

- 1. Introduction to Water Microbiology**
 - Overview of water microbiology
 - Microbial indicators of water quality
 - Sources and types of waterborne microorganisms
- 2. Water Sampling Techniques**
 - Proper methods for collecting water samples
 - Sterilization and decontamination of sampling equipment
 - Preservation of water samples for microbiological analysis
- 3. Basic Microbiological Techniques**
 - Aseptic techniques in microbiological testing
 - Culture media preparation and sterilization
 - Inoculation and incubation procedures
- 4. Indicator Organisms in Water Quality Assessment**
 - Introduction to indicator organisms (coliforms, E. coli, enterococci)
 - Interpretation of indicator organism results
 - Correlation between indicator organisms and waterborne pathogens
- 5. Total and Fecal Coliform Tests**
 - Principles and methods for total coliform testing
 - Fecal coliform testing and its significance
 - Differentiation between total and fecal coliforms
- 6. Enterococci and Escherichia coli (E. coli) Tests**
 - Importance of enterococci as indicators
 - Specific tests for E. coli detection
 - Interpretation of enterococci and E. coli results

B. Teja Sree
Course Coordinator

V. Murthy
HOD

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TIMETABLE

CLASS: II PHARM D

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Microbiological tests of different water samples	Break	Microbiological tests of different water samples	Lunch	Microbiological tests of different water samples	Microbiological tests of different water samples	Break	Microbiological tests of different water samples	Microbiological tests of different water samples
TUE									
WED									
THU									
FRI									
SAT									

B. Teja Sree
Course Coordinator

Vallu Sanku
HOD
Avanthi Institute of Pharmaceutical Sciences
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CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist



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Reference book: Zadi M, Angulo M, Sifuentes-Osornio J. Disinfection and sterilization practices in Mexico. *J. Hosp. Infect.*

S.NO	No. of weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	02-01-2023	6hrs	1. Introduction to Water Microbiology <ul style="list-style-type: none">• Overview of water microbiology• Microbial indicators of water quality• Sources and types of waterborne microorganisms
2.		03-01-2023	6hrs	2. Water Sampling Techniques <ul style="list-style-type: none">• Proper methods for collecting water samples• Sterilization and decontamination of sampling equipment• Preservation of water samples for microbiological analysis
3.		04-01-2023	6hrs	3. Basic Microbiological Techniques <ul style="list-style-type: none">• Aseptic techniques in microbiological testing• Culture media preparation and sterilization• Inoculation and incubation procedures
4.		05-01-2023	6hrs	4. Indicator Organisms in Water Quality Assessment <ul style="list-style-type: none">• Introduction to indicator organisms (coliforms, E. coli, enterococci)• Interpretation of indicator organism results




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				<ul style="list-style-type: none">Correlation between indicator organisms and waterborne pathogens
5.		06-01-2023	6hrs	5. Total and Fecal Coliform Tests <ul style="list-style-type: none">Principles and methods for total coliform testingFecal coliform testing and its significanceDifferentiation between total and fecal coliforms
6.		07-01-2023	6hrs	6. Enterococci and Escherichia coli (E. coli) Tests <ul style="list-style-type: none">Importance of enterococci as indicatorsSpecific tests for E. coli detectionInterpretation of enterococci and E. coli results

B. Teja Sree
Course Coordinator

V. D. S. Sarathy
HOD

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CHITTIVALASA S.A.O.
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Assessment:

- 1. What is the primary purpose of microbiological testing in water samples?**
 - a. Chemical analysis
 - b. Assessing turbidity
 - c. Determining microbial contamination
 - d. Measuring pH levels
- 2. Which indicator organism is commonly used to assess fecal contamination in water?**
 - a. Pseudomonas aeruginosa
 - b. Enterococci
 - c. Escherichia coli (E. coli)
 - d. Legionella
- 3. What is the significance of testing for total coliforms in water?**
 - a. Indicates recent fecal contamination
 - b. Confirms the presence of specific pathogens
 - c. Measures overall microbial load
 - d. Assesses water acidity
- 4. Which microbiological test specifically targets bacteria originating from the intestines of warm-blooded animals?**
 - a. Total coliform test
 - b. Enterococci test
 - c. Legionella test
 - d. Cryptosporidium test
- 5. What is the primary difference between total coliforms and fecal coliforms in water quality assessment?**
 - a. Total coliforms are non-pathogenic, while fecal coliforms are pathogenic.
 - b. Fecal coliforms are more resistant to chlorination.
 - c. Fecal coliforms indicate recent fecal contamination more reliably.
 - d. Total coliforms are only found in surface water.
- 6. Which waterborne pathogen is associated with gastrointestinal illness and is resistant to standard chlorine disinfection?**
 - a. Giardia
 - b. Legionella
 - c. Cryptosporidium
 - d. Salmonella
- 7. What is the recommended method for preserving water samples for microbiological analysis during transport to the laboratory?**
 - a. Boiling
 - b. Freezing
 - c. Adding chlorine
 - d. Cooling to 4°C




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8. Which microbiological test is commonly used to detect the presence of *E. coli* in water samples?
 - a. Enterococci test
 - b. Most Probable Number (MPN) test
 - c. Membrane filtration method
 - d. Polymerase Chain Reaction (PCR)
9. What is the significance of monitoring waterborne pathogens such as *Legionella* in water systems?
 - a. Indicates recent fecal contamination
 - b. Causes foul odor in water
 - c. Associated with respiratory infections
 - d. Indicates high turbidity levels
10. Which emerging issue in water microbiology is associated with the development of antibiotic-resistant strains?
 - a. Presence of *Giardia*
 - b. Antimicrobial resistance
 - c. Elevated pH levels
 - d. Increased turbidity levels

B. Teja Sree
Course Coordinator

V. Uma Sree
HOD

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Date : 02-01-2023 to 07-01-2023
No. of Students Enrolled : 28
Subject : "Microbiological tests of different water samples" II Pharm. D

S. No	Roll. No	Student Name
1	21T51T0001	Anyapu Hemankita
2	21T51T0002	Balla Jaya Mani Surya Prasanthi
3	21T51T0003	Batchu Shalini
4	21T51T0004	Botcha Rajeswari
5	21T51T0005	Botikha Jhansi
6	21T51T0006	Chalamalasetti Baby Prathyusha
7	21T51T0007	Chillapalli Sahruday
8	21T51T0008	Gayathri Chouduvada
9	21T51T0009	Gogada Alekya
10	21T51T0010	Golagani Mohan PavanPraneeth
11	21T51T0011	Guvvala Roshini Priyanka
12	21T51T0012	Harsha Vardhan
13	21T51T0013	Kanchi Swarupa
14	21T51T0014	Kesavarapu Jyothsnavi
15	21T51T0015	Koneti Manasa
16	21T51T0016	Mohammad Naseema
17	21T51T0017	Mohammad Shahid Ansari
18	21T51T0018	Nallmelli Rishitha



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19	21T51T0019	Nikish Kumar Patra
20	21T51T0020	Palla Bhavani
21	21T51T0021	Ponasanapalli Dhakshayani
22	21T51T0022	Ramoji Keerthi
23	21T51T0023	Shaik Rahimathinnisha
24	21T51T0024	Thammi Setty Sangeetha
25	21T51T0025	Venkata Sai Kaanksha Neyyala
26	21T51T0026	Yenupuri Yasasvi
27	21T51T0027	Muskaan Basheerunni
28	21T51T0028	Roppala Divyasree

B. Teja Sree
Course Coordinator

V. L. S. S. S.
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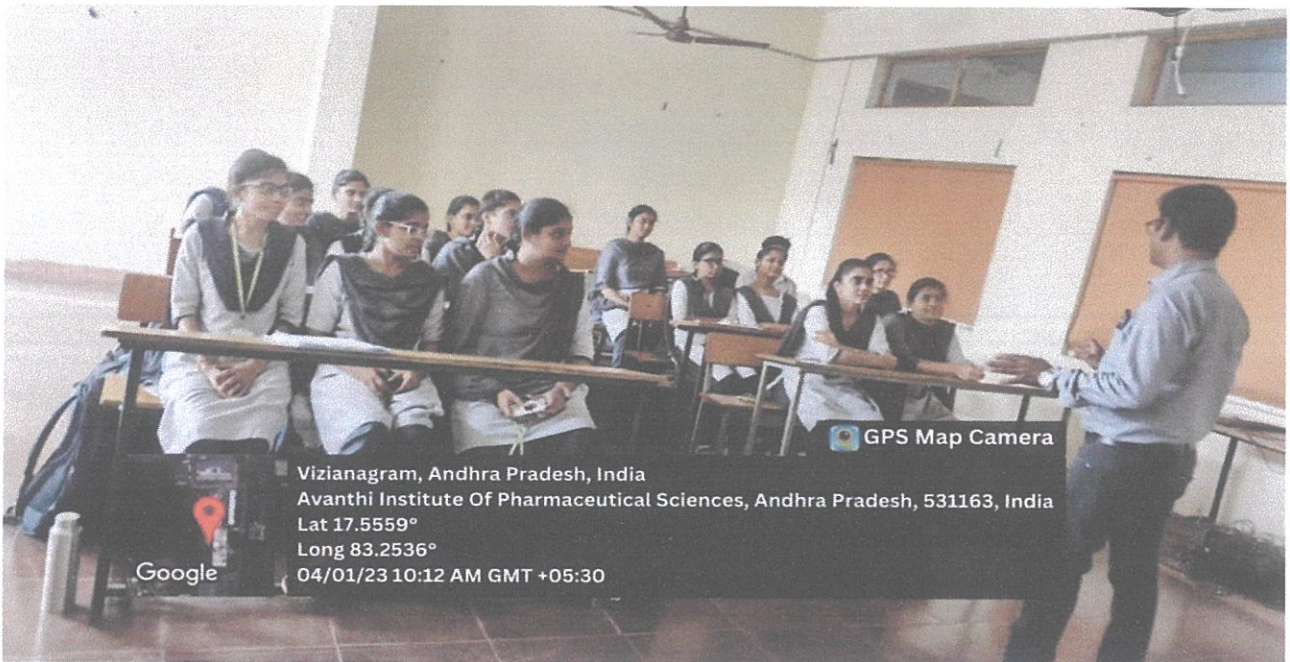
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The students of 2nd year Pharm. D certificate program attending “MICROBIOLOGICAL TESTS OF DIFFERENT WATER SAMPLES” by the Associate Professor Mr. S. Chandra Shekar.

B. Teja Sree
Course Coordinator


PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162


HOD



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Avanthi Institute of Pharmaceutical Sciences
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CHITTIVALASA S.A.O.
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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Date : 02-01-2023 to 07-01-2023

Subject : "Microbiological Tests of different water samples"

II Pharm. D

S.No	Roll No.	Student Name	02/01/23	03/01/23	04/01/23	05/02/23	06/02/23	07/02/23
1	21T51T0001	AnyapuHemankita	A	A	A	A	A	✓
2	21T51T0002	Balla Jaya Mani Surya Prasanthi	✓	✓	✓	✓	A	A
3	21T51T0003	Batchu Shalini	✓	✓	✓	✓	✓	✓
4	21T51T0004	Botcha Rajeswari	✓	✓	✓	✓	✓	✓
5	21T51T0005	Botikha Jhansi	A	A	A	A	A	A
6	21T51T0006	Chalamalasetti Baby Prathyusha	✓	✓	✓	✓	✓	✓
7	21T51T0007	Chillapalli Sahruday	✓	A	✓	✓	✓	✓
8	21T51T0008	Gayathri Chouduvada	✓	✓	A	✓	A	✓
9	21T51T0009	Gogada Alekya	✓	✓	✓	✓	✓	✓
10	21T51T0010	Golagani Mohan Pavan Praneeth	A	✓	A	A	✓	A
11	21T51T0011	Guvvala Roshini Priyanka	✓	A	✓	✓	✓	✓
12	21T51T0012	Harsha Vardhan	✓	✓	A	✓	A	A
13	21T51T0013	Kanchi Swarupa	A	A	✓	✓	✓	✓
14	21T51T0014	KesavarapuJyothsnavi	✓	✓	✓	✓	✓	✓
15	21T51T0015	Koneti Manasa	✓	✓	A	A	✓	A
16	21T51T0016	Mohammad Naseema	✓	A	✓	✓	A	✓
17	21T51T0017	Mohammad Shahid Ansari	A	✓	✓	✓	✓	✓
18	21T51T0018	Nallmelli Rishitha	✓	✓	A	✓	✓	A
19	21T51T0019	Nikish Kumar Patra	A	✓	✓	A	A	✓
20	21T51T0020	Palla Bhavani	✓	A	A	✓	A	✓
21	21T51T0021	Ponasanapalli Dhakshayani	A	✓	✓	✓	✓	A

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22	21T51T0022	Ramoji Keerthi	A	A	A	A	A	A
23	21T51T0023	Shaik Rahimathinnisha	✓	✓	A	A	✓	✓
24	21T51T0024	Thammi Setty Sangeetha	✓	A	✓	✓	A	✓
25	21T51T0025	Venkata Sai KaankshaNeyyala	✓	✓	✓	✓	✓	A
26	21T51T0026	YenupuriYasasvi	A	A	A	A	A	A
27	21T51T0027	Muskaan Basheerunni	✓	✓	✓	✓	✓	✓
28	21T51T0028	Roppala Divyasree	A	✓	✓	A	✓	✓

B. Tejabee

Course Coordinator

V. Mugundan
HOD

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CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist



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Date : 02-01-2023 to 07-01-2023
No. of Students Enrolled : 28
Subject : "Microbiological tests of different water samples" II Pharm. D

S.No	Roll No	Student Name	No. of classes Attended	% of classes Attended
1	21T51T0001	Anyapu Hemankita	6	16%
2	21T51T0002	Balla Jaya Mani Surya Prasanthi	24	66%
3	21T51T0003	Batchu Shalini	36	100%
4	21T51T0004	Botcha Rajeswari	36	100%
5	21T51T0005	Botikha Jhansi	NIL	0%
6	21T51T0006	Chalamalasetti Baby Prathyusha	36	100%
7	21T51T0007	Chillapalli Sahruday	30	83%
8	21T51T0008	Gayathri Chouduvada	24	66%
9	21T51T0009	Gogada Alekya	36	100%
10	21T51T0010	Golagani Mohan PavanPraneeth	12	33%
11	21T51T0011	Guvvala Roshini Priyanka	30	83%
12	21T51T0012	Harsha Vardhan	18	50%
13	21T51T0013	Kanchi Swarupa	24	66%
14	21T51T0014	Kesavarapu Jyothsnavi	36	100%
15	21T51T0015	Koneti Manasa	18	50%
16	21T51T0016	Mohammad Naseema	24	66%
17	21T51T0017	Mohammad Shahid Ansari	30	83%
18	21T51T0018	Nallmelli Rishitha	24	66%




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19	21T51T0019	Nikish Kumar Patra	18	50%
20	21T51T0020	Palla Bhavani	18	50%
21	21T51T0021	Ponasanapalli Dhakshayani	24	66%
22	21T51T0022	Ramoji Keerthi	NIL	0%
23	21T51T0023	Shaik Rahimathinnisha	24	66%
24	21T51T0024	Thammi Setty Sangeetha	24	66%
25	21T51T0025	Venkata Sai Kaanksha Neyyala	30	83%
26	21T51T0026	Yenupuri Yasasvi	NIL	0%
27	21T51T0027	Muskaan Basheerunni	36	100%
28	21T51T0028	Roppala Divyasree	24	66%

B. Teja Sree
Course Coordinator

V. Nageswara
HOD

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CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

CERTIFICATE OF COMPLETION

This is presented to:

RAMOJJ KEERTHI

Bearing roll, no21T51T0022 pursuing **II Pharm D** has successfully completed value added course on
“MICROBIOLOGICAL TESTS IN DIFFERENT WATER SAMPLES”
held from 02-01-2023 to 07-01-2023 .

V. Uma Sankar

Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

CERTIFICATE OF COMPLETION

This is presented to:

MUSKAAN BASHEERUNNJ

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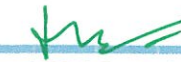
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MOHAMMAD NASEEMA

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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

CERTIFICATE OF COMPLETION

This is presented to:

GAYATHRI CHOUDHADA

Bearing roll, no21T51T0008 pursuing II Pharm D has successfully completed value added course on
“MICROBIOLOGICAL TESTS IN DIFFERENT WATER SAMPLES”
held from 02-01-2023 to 07-01-2023 .

V. UmaSankar

Convener



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CERTIFICATE OF COMPLETION

This is presented to:

BOTJKHA JHANSJ

Bearing roll, no21T51T0005 pursuing **II Pharm D** has successfully completed value added course on
“MICROBIOLOGICAL TESTS IN DIFFERENT WATER SAMPLES”
held from 02-01-2023 to 07-01-2023 .

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CERTIFICATE OF COMPLETION

This is presented to:

MOHAMMAD NASEEMA

Bearing roll, no21T51T0016 pursuing **II Pharm D** has successfully completed value added course on
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held from 02-01-2023 to 07-01-2023 .

V. UmaSankar

Convener



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CERTIFICATE OF COMPLETION

This is presented to:

KONETJ MANASA

Bearing roll, no21T51T0015 pursuing **II Pharm D** has successfully completed value added course on
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held from 02-01-2023 to 07-01-2023 .

V. Manasa

Convener



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

CERTIFICATE OF COMPLETION

This is presented to:

GAYATHRI CHOUDHADA

Bearing roll, no21T51T0008 pursuing II Pharm D has successfully completed value added course on
“MICROBIOLOGICAL TESTS IN DIFFERENT WATER SAMPLES”
held from 02-01-2023 to 07-01-2023 .

V. Anasankar

Convener



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CERTIFICATE OF COMPLETION

This is presented to:

KESAVARAPU JYOTHSNAVJ

Bearing roll, no21T51T0014 pursuing II Pharm D has successfully completed value added course on
“**MICROBIOLOGICAL TESTS IN DIFFERENT WATER SAMPLES**”
held from 02-01-2023 to 07-01-2023 .

V. Umabankar

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DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy Practice/2022-23/08

Date: 23-01-2023

CIRCULAR

This is to inform all the students of fourth Pharm D that a value-added course will be conducted on the topic “Clinical Pharma Skills in cochlear implantations” from 06/02/2023 to 11/02/2023. Interested students are required to sign-up for the above-mentioned course with “**Dr. B. Manoj Kumar**” Associate Professor at Avanthi Institute of Pharmaceutical sciences.

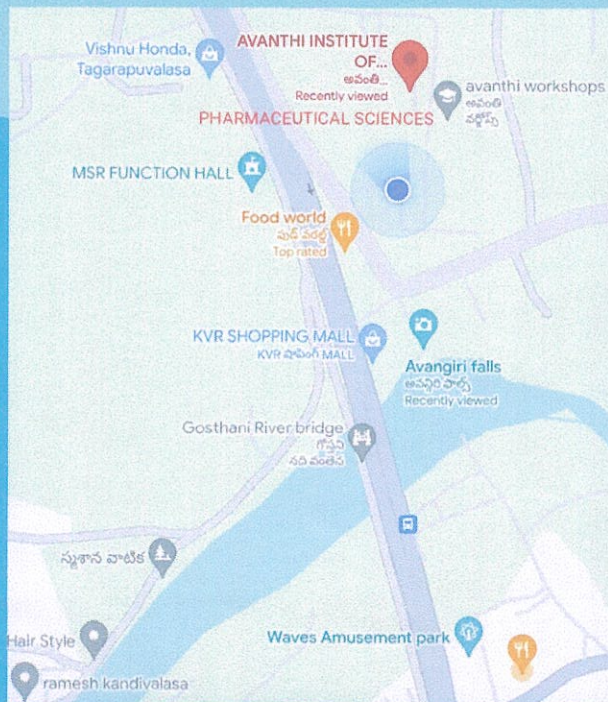



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Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapuvalasa Bridge adjacent to NH-16. Students of Avanthi boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU.

Route Map



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Smt. M.Gnaneshwari,
Chairperson, AIPS

Patron

Dr. M.B.V.Raju, Principal, AIPS

Convener

V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate Professor

Resource Person

Harsha Sree,
Senior Clinical Associate,

Actimus Bio



Organizing Committee

Dr. V. C. Randeep Raj, Assistant Professor

Dr. M. S V. Sudeep, Assistant Professor

Dr. D. Sri, Assistant Professor

Members

All the faculty from the department of Pharmaceutical Sciences of the host institute

6 Days Workshop

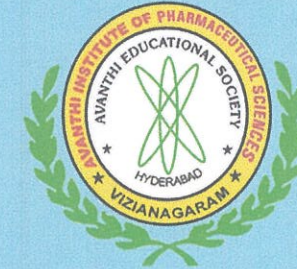
On

Clinical Pharma Skills in Cochlear Implantation Surgical techniques

06-02-2023 to 11-02-2023

Organized By:

DEPARTMENT OF PHARMACY PRACTICE



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Course Title	: Clinical Pharma Skills in Cochlear Implantation Surgical techniques
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: D. Harsha Sree, Sr. Associate Clinical Research, Actimus Bio, Siripuram Visakhapatnam.
Course Coordinator	: Dr. B. Manoj Kumar, Associate Professor
Dates	: 06-02-2023 to 11-02-2023
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2023/08

Objectives:

- Expertise in dispensing prescription
- Over-the-counter medication to customers and healthcare professionals
- Ensure the safe and effective use of medicines and devices
- Pharmaceutical Management During Surgery

Outcomes

- Communication skills
- Dealing with medical staff
- Customer service
- Educating Patients
- Compliance with Regulatory Guidelines



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Syllabus

Clinical Pharma Skills in Cochlear Implantation Surgical techniques

1. Introduction to Cochlear Implantation

- Overview of hearing loss and the role of cochlear implants
- Historical perspective and evolution of cochlear implant technology
- Basic anatomy and physiology of the ear

2. Indications and Patient Selection

- Criteria for cochlear implant candidacy
- Evaluation and selection of suitable candidates
- Informed consent and ethical considerations

3. Cochlear Implant Technology and Devices

- In-depth understanding of cochlear implant components
- Overview of different cochlear implant devices and manufacturers
- Recent advancements in cochlear implant technology

4. Pharmaceutical Considerations in Cochlear Implantation

- Pharmacological aspects related to pre-operative patient management
- Anesthesia considerations for cochlear implant surgery
- Medication management in the post-operative period

5. Surgical Techniques in Cochlear Implantation

- Step-by-step overview of cochlear implant surgery
- Hands-on simulation or virtual reality sessions for surgical techniques
- Common challenges and troubleshooting during surgery

6. Postoperative Care and Rehabilitation

- Immediate postoperative care and monitoring
- Rehabilitation strategies for cochlear implant recipients
- Pharmaceutical interventions for postoperative complications

B. Hanjil
Course Coordinator



V. L. S. S. S.
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TIMETABLE

CLASS: IV PHARM D

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20
MON	Clinical Pharma Skills in Cochlear Implantation Surgical techniques	Break	Clinical Pharma Skills in Cochlear Implantation Surgical techniques	Lunch	Clinical Pharma Skills in Cochlear Implantation Surgical techniques	Clinical Pharma Skills in Cochlear Implantation Surgical techniques	Break	Clinical Pharma Skills in Cochlear Implantation Surgical techniques	Clinical Pharma Skills in Cochlear Implantation Surgical techniques
TUE									
WED									
THU									
FRI									
SAT									

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Assessment:

- 1. Which component of a cochlear implant plays a crucial role in converting external sounds into electrical signals for auditory nerve stimulation?**
 - a. Processor
 - b. Electrode array
 - c. Receiver-stimulator
 - d. Microphone
- 2. What is the primary goal of cochlear implant surgery?**
 - a. Complete restoration of natural hearing
 - b. Preservation of residual hearing
 - c. Stimulation of the auditory nerve
 - d. Removal of the damaged cochlea
- 3. When considering pharmaceutical management for a patient undergoing cochlear implantation surgery, which aspect is essential to address preoperatively?**
 - a. Analgesia during surgery
 - b. Antibiotic prophylaxis
 - c. Postoperative rehabilitation
 - d. Hearing aid adjustment
- 4. What criteria are typically used to determine cochlear implant candidacy in adults?**
 - a. Age only
 - b. Severity of hearing loss
 - c. Speech perception ability
 - d. Previous hearing aid use
- 5. Which of the following is a common postoperative complication after cochlear implantation that might require pharmaceutical intervention?**
 - a. Tinnitus
 - b. Hyperacusis
 - c. Vestibular dysfunction
 - d. Otalgia
- 6. During cochlear implant surgery, what is the role of the receiver-stimulator component?**
 - a. Sound processing
 - b. Conversion of sound to electrical signals
 - c. Transmission of signals to the auditory nerve
 - d. Securing the implant in place
- 7. What pharmaceutical considerations are important for anesthesia in cochlear implant surgery?**
 - a. Use of ototoxic agents
 - b. Avoidance of neuromuscular blockers
 - c. Intravenous analgesia
 - d. Prophylactic anticoagulation




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8. Which phase of postoperative care is crucial for monitoring and managing potential complications in cochlear implant recipients?
 - a. First few hours
 - b. First week
 - c. First month
 - d. First year
9. What is the purpose of patient counseling in the context of cochlear implantation?
 - a. Guaranteeing complete hearing restoration
 - b. Managing expectations and potential outcomes
 - c. Discouraging the use of hearing aids
 - d. Avoiding discussions about postoperative care
10. Which factor is considered during the selection of suitable candidates for cochlear implantation?
 - a. Visual acuity
 - b. Age alone
 - c. Presence of neurological disorders
 - d. Preference for hearing aids

Course Coordinator

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Date : 06-02-2023 to 11-02-2023
No. of Students Enrolled : 26
Subject : "Clinical Pharma Skills in Cochlear Implantation Surgical techniques"
IV Pharm. D

S. No	Roll No.	Student Name
1	19T51T0001	Alajingi Susmita
2	19T51T0002	Boddepalli Rakesh
3	19T51T0004	Chadaram Pragnatha
4	19T51T0005	Chappa Ramya
5	19T51T0006	Cherukuri Tanuja Lakshmi
6	19T51T0007	Chitiki Reddi Bhagyasri
7	19T51T0008	Doll Glenda Annette
8	19T51T0009	Karukola Anusha
9	19T51T0010	Kosuru Chandini
10	19T51T0011	Margana Gasruthi
11	19T51T0012	Ushasri Kanumula
12	19T51T0013	Pathivada Divya
13	19T51T0014	Pentakota Prasanna
14	19T51T0015	Anwesh Deep Padhy
15	19T51T0016	Rupiti Harshavardhini
16	19T51T0017	Sonika Shruti Sripathi
17	19T51T0018	Killo Ramakrishna
18	19T51T0019	Sripada Venkata Sri Alekhya



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19	19T51T0020	Tentu Sharmila
20	19T51T0021	Vaddadi Madhuri Smith
21	19T51T0022	Vanapalli Sandhya Rani
22	19T51T0023	VantakuSyam Kumar
23	19T51T0024	Pilla Sai Sushmitha
24	19T51T0027	KarrothuSyamala
25	18T51T0001	Alugolu Venkata Siva
26	17T51T0012	M Kelvin Paul

Course Coordinator

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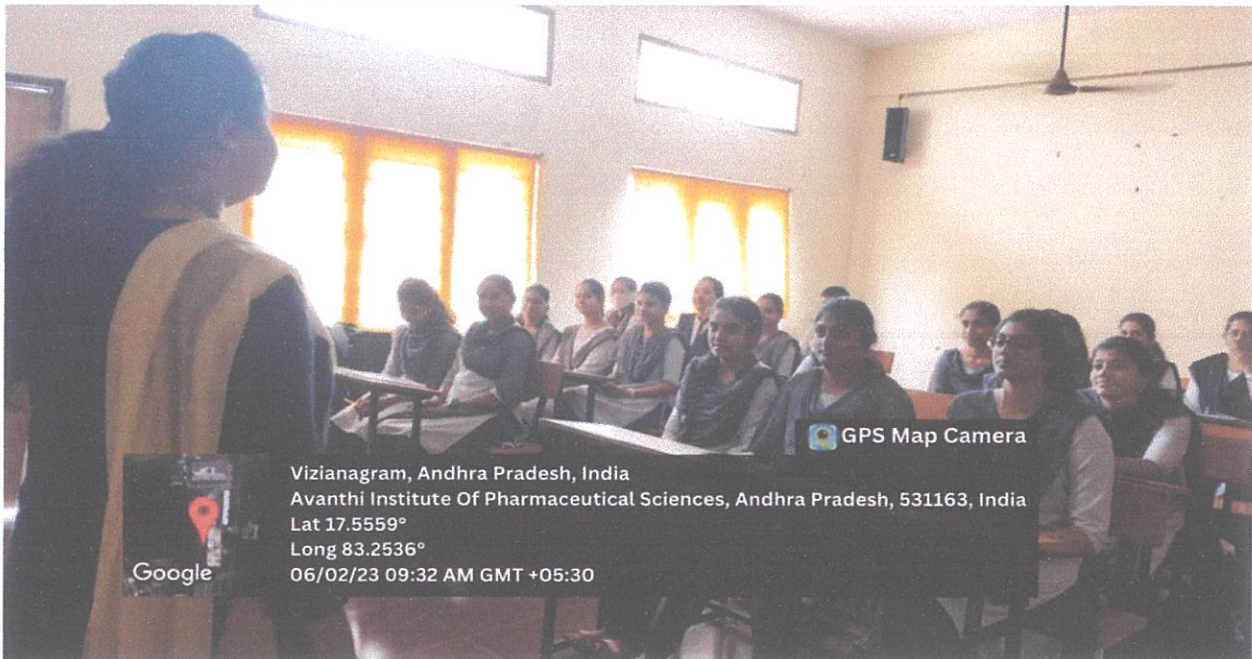


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Avanthi Institute Of Pharmaceutical Sciences, Andhra Pradesh, 531163, India
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Long 83.2536°
06/02/23 09:32 AM GMT +05:30



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Avanthi Institute Of Pharmaceutical Sciences, Andhra Pradesh, 531163, India
Lat 17.5559°
Long 83.2536°
06/02/23 09:51 AM GMT +05:30

The students of 4th year Pharm. D certificate program attending “**CLINICAL PHARMA SKILLS IN COCHLEAR IMPLANTATION SURGICAL TECHNIQUES**” by the Senior Clinical Associate Harsha Sree, Sr. Associate Clinical Research, Actimus Bio, Siripuram Visakhapatnam.

Harsha Sree
Course Coordinator



V. Hanumanth Reddy
HOD
[Signature]
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Date : 06-02-2023 to 11-02-2023

Subject : “Clinical Pharma Skills in Cochlear Implantation Surgical Techniques”
IV Pharm. D

S. No	Roll No.	Student Name	06/02/23	07/02/23	08/02/23	09/02/23	10/02/23	11/02/23
1	19T51T0001	Alajingi Susmita	✓	✓	A	✓	✓	✓
2	19T51T0002	Boddepalli Rakesh	✓	✓	✓	✓	✓	✓
3	19T51T0004	Chadaram Pragnatha	✓	✓	✓	✓	✓	✓
4	19T51T0005	Chappa Ramya	✓	A	✓	✓	✓	✓
5	19T51T0006	Cherukuri Tanuja Lakshmi	✓	✓	✓	✓	A	✓
6	19T51T0007	Chitiki Reddi Bhagyasri	✓	✓	✓	A	✓	✓
7	19T51T0008	Doll Glenda Annette	✓	✓	✓	✓	✓	✓
8	19T51T0009	Karukola Anusha	✓	✓	A	✓	✓	✓
9	19T51T0010	Kosuru Chandini	✓	✓	✓	✓	✓	✓
10	19T51T0011	Margana Gasruthi	✓	✓	✓	✓	✓	A
11	19T51T0012	Ushasri Kanumula	A	✓	✓	✓	✓	✓
12	19T51T0013	Pathivada Divya	✓	A	✓	✓	✓	✓
13	19T51T0014	Pentakota Prasanna	✓	✓	A	✓	✓	✓
14	19T51T0015	Anwesh Deep Padhy	✓	✓	✓	✓	✓	A
15	19T51T0016	Rupiti Harshavardhini	✓	✓	✓	✓	✓	✓
16	19T51T0017	Sonika Shruti Sripathi	A	✓	✓	✓	A	✓
17	19T51T0018	Killo Ramakrishna	✓	A	✓	✓	✓	✓
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20	19T51T0021	Vaddadi Madhuri Smith	✓	✓	✓	A	✓	✓
21	19T51T0022	Vanapalli Sandhya Rani	A	✓	✓	✓	A	✓
22	19T51T0023	Vantaku Syam Kumar	✓	A	✓	✓	✓	✓
23	19T51T0024	Pilla Sai Sushmitha	✓	✓	A	✓	✓	✓
24	19T51T0027	Karrothu Syamala	✓	✓	✓	✓	✓	✓
25	18T51T0001	Alugolu Venkata Siva	A	A	A	A	A	A
26	17T51T0012	M Kelvin Paul	A	A	A	A	A	A

B. Prud
Course Coordinator

V. Anugaukar
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4	19T51T0005	Chappa Ramya	30	83%
5	19T51T0006	Cherukuri Tanuja Lakshmi	30	83%
6	19T51T0007	Chitiki Reddi Bhagyasri	36	100%
7	19T51T0008	Doll Glenda Annette	36	100%
8	19T51T0009	Karukola Anusha	30	83%
9	19T51T0010	Kosuru Chandini	36	100%
10	19T51T0011	Margana Gasruthi	30	83%
11	19T51T0012	Ushasri Kanumula	30	83%
12	19T51T0013	Pathivada Divya	30	83%
13	19T51T0014	Pentakota Prasanna	30	83%
14	19T51T0015	Anwesh Deep Padhy	30	83%
15	19T51T0016	Rupiti Harshavardhini	36	100%
16	19T51T0017	Sonika Shruti Sripathi	24	66%
17	19T51T0018	Killo Ramakrishna	30	83%



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18	19T51T0019	Sripada Venkata Sri Alekhya	12	33%
19	19T51T0020	Tentu Sharmila	36	100%
20	19T51T0021	Vaddadi Madhuri Smith	36	100%
21	19T51T0022	Vanapalli Sandhya Rani	30	83%
22	19T51T0023	Vantaku Syam Kumar	24	66%
23	19T51T0024	Pilla Sai Sushmitha	30	83%
24	19T51T0027	Karrothu Syamala	30	83%
25	18T51T0001	Alugolu Venkata Siva	36	100%
26	17T51T0012	M Kelvin Paul	NIL	0%

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This is to certify that Mr/Ms

KILLO RAMAKRISHNA

bearing roll no. **19T51T0018** pursuing **IV Pharm D** has successfully completed Value
Added Course on

“Clinical pharmacist skills in cochlear implantation”
held from 06-02-2023 to 11-02-2023.

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KARUKOLA ANUSHA

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CHITIKI REDDI BHAGYASRI

bearing roll no. 19T51T0007 pursuing IV Pharm D has successfully completed Value
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DEPARTMENT OF PHARMACY


Ref no: AIPS/B. Pharmacy/2022-23/09

Date: 02-08-2022

CIRCULAR

This is to inform all the students of first year M. Pharm that a value-added course will be conducted on the topic “**Spectroscopic technique usage and its role in filling the NDA application**” from 16/08/2022 to 22/08/2022. Interested students are required to sign-up for the above-mentioned course with “**Mr. V. Uma Sankar**” Associate Professor at Avanthi Institute Of Pharmaceutical sciences.




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Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapuvalasa Bridge adjacent to NH-16. Students of Avanthi boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU.

Route Map



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6 Days Workshop

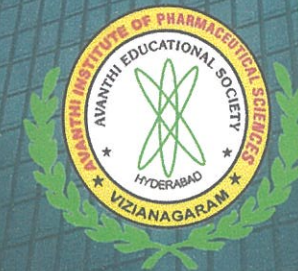
On

**Spectroscopic techniques
usage and its role in filling
the NDA application**

13/02/2023 - 20/02/2023

Organized By:

**DEPARTMENT OF
PHARMACY**



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Course Title	: Spectroscopy Techniques usage and role in Filing NDA Application
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course instructor	: Mr. V. Uma Shankar, Associate Professor
Course Coordinator	: Ms. Y. Vishnu Vandana, Associate Professor
Dates	: 13-02-2023 to 20-02-2023
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/M. Pharm/2022/09

Objective:

- To demonstrate the wave nature of light by measuring the wavelengths of various spectral lines
- Study of the absorption and emission of light and other radiation by matter
- Tool for studying the structures of atoms and molecules

Outcomes:

- Identifying chemical composition
- Detecting trace elements
- Analyzing environmental impact




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Syllabus

NMR Spectroscopy

1. Introduction to Spectroscopy Techniques

- Overview of Spectroscopy in Analytical Chemistry
- Principles of UV-Visible Spectroscopy
- Instrumentation and Data Interpretation

2. Infrared Spectroscopy (IR)

- Basics of IR Spectroscopy
- Functional Group Analysis
- Quantitative Applications in Pharmaceutical Analysis

3. Nuclear Magnetic Resonance (NMR) Spectroscopy

- Introduction to NMR
- ^1H and ^{13}C NMR Spectroscopy
- Structural Elucidation of Organic Compounds

4. Mass Spectrometry (MS)

- Fundamentals of Mass Spectrometry
- Ionization Techniques
- Mass Spectrometry in Drug Characterization

5. Applications of Spectroscopy in Pharmaceutical Analysis

- Drug Formulation and Stability Studies
- Impurity Detection and Quantification
- Quality Control and Batch-to-Batch Consistency

6. Spectroscopy in Pharmacokinetics and Pharmacodynamics

- Monitoring Drug Absorption and Distribution
- Drug Metabolism Studies
- Receptor Interaction Studies

M.V. Vandana
Course Coordinator

M. PAVANI
HOD

Dr. M. PAVANI, M.Pharm, Ph.D.
Professor

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8. In drug analysis, Mass Spectrometry is commonly used for:
 - a. Structural elucidation of drug compounds.
 - b. Identifying impurities in drug formulations.
 - c. Quantitative analysis of drug concentrations.
 - d. All of the above.
9. Which regulatory body provides guidelines for NDA filing in the pharmaceutical industry?
 - a. World Health Organization (WHO)
 - b. European Medicines Agency (EMA)
 - c. Food and Drug Administration (FDA)
 - d. International Conference on Harmonization (ICH)
10. How does spectroscopy contribute to the successful filing of an NDA?
 - a. By ensuring data integrity and compliance with regulatory requirements.
 - b. By reducing the need for clinical trials.
 - c. By accelerating the approval process.
 - d. By replacing the need for documentation in the submission.

Y.V. Vandana
Course Coordinator



M. Pavani
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor **HOD**

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TIMETABLE

CLASS: I M. PHARMACY (Pharmaceutical analysis)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20
MON	Spectroscopy Techniques usage and role in Filing NDA Application	Break	Spectroscopy Techniques usage and role in Filing NDA Application	Lunch	Spectroscopy Techniques usage and role in Filing NDA Application	Spectroscopy Techniques usage and role in Filing NDA Application	Break	Spectroscopy Techniques usage and role in Filing NDA Application	Spectroscopy Techniques usage and role in Filing NDA Application
TUE									
WED									
THU									
FRI									
SAT									

CLASS: I M. PHARMACY (Pharmacology)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20
MON	Spectroscopy Techniques usage and role in Filing NDA Application	Break	Spectroscopy Techniques usage and role in Filing NDA Application	Lunch	Spectroscopy Techniques usage and role in Filing NDA Application	Spectroscopy Techniques usage and role in Filing NDA Application	Break	Spectroscopy Techniques usage and role in Filing NDA Application	Spectroscopy Techniques usage and role in Filing NDA Application
TUE									
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FRI									
SAT									




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CLASS: I M. PHARMACY (Pharmaceutics)

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Spectroscopy Techniques usage and role in Filing NDA Application	Break	Spectroscopy Techniques usage and role in Filing NDA Application	Lunch	Spectroscopy Techniques usage and role in Filing NDA Application	Spectroscopy Techniques usage and role in Filing NDA Application	Break	Spectroscopy Techniques usage and role in Filing NDA Application	Spectroscopy Techniques usage and role in Filing NDA Application
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Reference book: "FDA Regulatory Affairs: A Guide for Prescription Drugs, Medical Devices, and Biologics" by Douglas J. Pisano

S.NO	No. of weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	13-02-2023	6hrs	1. Introduction to Spectroscopy Techniques <ul style="list-style-type: none">• Overview of Spectroscopy in Analytical Chemistry• Principles of UV-Visible Spectroscopy• Instrumentation and Data Interpretation
2.		14-02-2023	6hrs	2. Infrared Spectroscopy (IR) <ul style="list-style-type: none">• Basics of IR Spectroscopy• Functional Group Analysis• Quantitative Applications in Pharmaceutical Analysis
3.		15-02-2023	6hrs	3. Nuclear Magnetic Resonance (NMR) Spectroscopy <ul style="list-style-type: none">• Introduction to NMR• ¹H and ¹³C NMR Spectroscopy• Structural Elucidation of Organic Compounds
4.		16-02-2023	6hrs	4. Mass Spectrometry (MS) <ul style="list-style-type: none">• Fundamentals of Mass Spectrometry• Ionization Techniques• Mass Spectrometry in Drug Characterization
5.		17-02-2023	6hrs	5. Applications of Spectroscopy in Pharmaceutical Analysis

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				<ul style="list-style-type: none">• Drug Formulation and Stability Studies• Impurity Detection and Quantification• Quality Control and Batch-to-Batch Consistency
6.		20-02-2023	6hrs	6. Spectroscopy in Pharmacokinetics and Pharmacodynamics <ul style="list-style-type: none">• Monitoring Drug Absorption and Distribution• Drug Metabolism Studies• Receptor Interaction Studies

Y.V. Vandana
Course Coordinator



M. PAVANI
Dr. M. PAVANI HOD Pharm, Ph.D.
Professor
Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
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Assessment:

- 1. What is the primary principle applied in UV-Visible spectroscopy for quantitative analysis?**
 - a. Planck's Law
 - b. Lambert's Law
 - c. Beer-Lambert Law
 - d. Snell's Law
- 2. In the context of pharmaceuticals, UV-Visible spectroscopy is commonly used for:**
 - a. Determining molecular weight.
 - b. Structural elucidation of compounds.
 - c. Quantitative analysis of drug concentrations.
 - d. Identifying impurities in drug formulations.
- 3. Which type of molecular vibrations is responsible for IR absorption in spectroscopy?**
 - a. Electronic transitions
 - b. Rotational transitions
 - c. Vibrational transitions
 - d. Nuclear transitions
- 4. In drug development, IR spectroscopy is commonly employed for:**
 - a. Determination of molecular weight.
 - b. Structural elucidation of drug compounds.
 - c. Quality control and validation in drug manufacturing.
 - d. All of the above.
- 5. What property of nuclei is exploited in NMR spectroscopy for structural determination?**
 - a. Mass
 - b. Spin
 - c. Charge
 - d. Density
- 6. In the context of drug development, what is the primary application of NMR spectroscopy?**
 - a. Quantitative analysis of drug concentrations.
 - b. Identification of impurities in drug formulations.
 - c. Structural determination of organic compounds.
 - d. Molecular weight determination.
- 7. What is the main purpose of ionization techniques in Mass Spectrometry?**
 - a. To increase the molecular weight of the sample.
 - b. To create ions from the sample molecules.
 - c. To enhance the resolution of mass analyzers.
 - d. To decrease the sensitivity of the detector.




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Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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Date : 13-02-2023 to 20-02-2023
No. of Students Enrolled : 13
Subject : "Spectroscopy Techniques usage and role in Filing NDA Application"
I M. Pharmacy (Pharmaceutical analysis)

S. No	Roll No.	Student Name
1	22T51S1602	Chekuri Meghana
2	22T51S1603	Gara Suresh
3	22T51S1605	Kasireddi Ramalakshmi
4	22T51S1606	Kenari Shalini
5	22T51S1607	Madaka Divya Sai
6	22T51S1608	M. Praveen Kumar
7	22T51S1609	Modavalasa Sowmya
8	22T51S1610	Makireddi Sukuma
9	22T51S1611	Mattaparthi Alekhya
10	22T51S1612	Palli Joshana
11	22T51S1613	Pilaka Neha
12	22T51S1614	Rokkala Prashanthi
13	22T51S1615	Uppati Latha

Y.V. Vandana
Course Coordinator



M. PAVANI
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor
HOD/
PRINCIPAL
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Date : 13-02-2023 to 20-02-2023
No. of Students Enrolled : 09
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I M. Pharmacy (Pharmacology)

S. No	Roll No.	Student Name
1	22T51S0601	Badeem Bhargavi
2	22T51S0602	Bammidi Vidhya Sagar
3	22T51S0603	Bada Mounika
4	22T51S0604	Gurugubelli Pranathi
5	22T51S0605	Nukapeyyi Rupadevi
6	22T51S0606	Pondari Rashmitha
7	22T51S0607	Rambha Mounika
8	22T51S0608	Revalla Venkata Laxmi
9	22T51S0609	S. Praneetha

Y. V. Vandana
Course Coordinator

M. Pavani
Dr. M. PAVANI, M.Phil, Ph.D.
Professor
Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
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Date : 13-02-2023 to 20-02-2023
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S. No	Roll No.	Student Name
1	22T51S0301	Asapu Sirisha
2	22T51S0302	Chelikana Prakash
3	22T51S0303	Gandi Spandana
4	22T51S0305	Gollangi Harika
5	22T51S0306	Pavan Teja Bolla
6	22T51S0307	Saragadam Puja Prashanthi
7	22T51S0308	Seekolu Venkata Lakshmi
8	22T51S0309	Shaik Shakeela Bhanu
9	22T51S0310	Sribhashyam Meena
10	22T51S0311	Sunkari Bhavani Sankar

M. V. Vandana
Course Coordinator

M. Pavani
Dr. M. PAVANI, HOD
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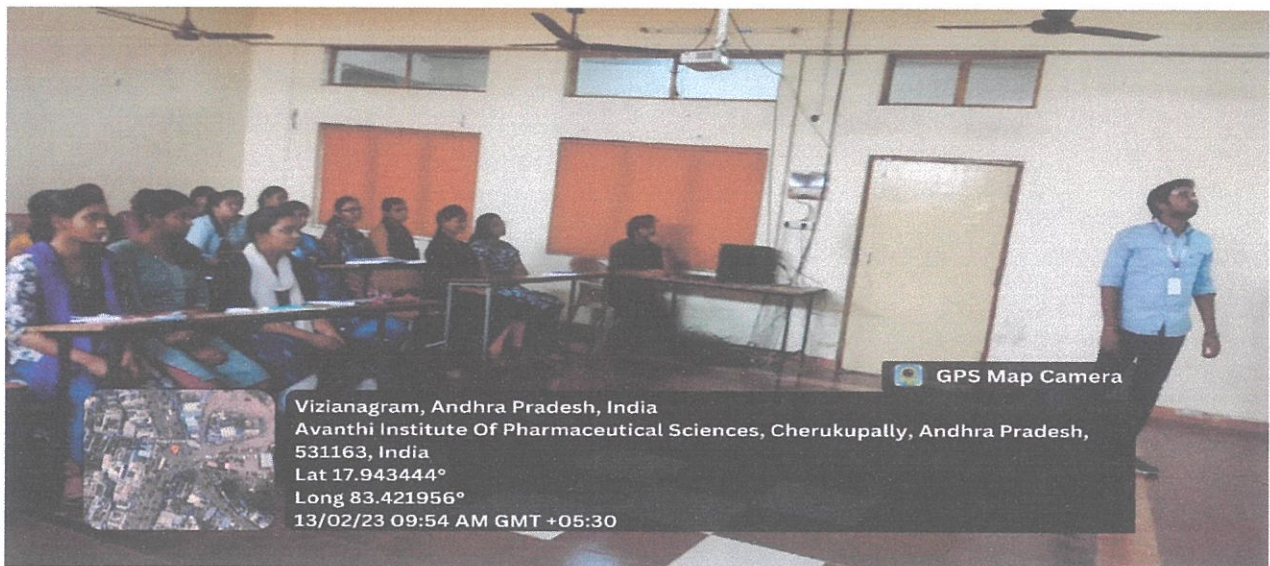
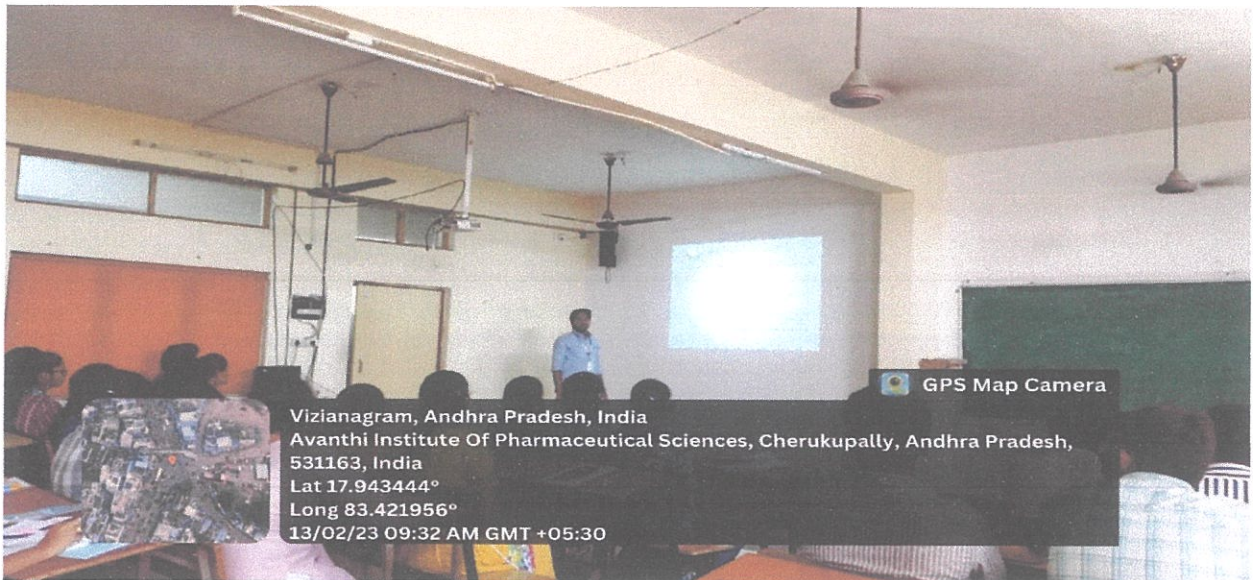
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The students of 1st year M. Pharmacy certificate program attending “SPECTROSCOPY TECHNIQUES USAGE AND ROLE IN FILING NDA APPLICATION” by the Associate Professor Mr. V. Uma Shankar

V. Vandana
Course Coordinator



M. Pavan
Dr. M. PAVANI M.Pharm, Ph.D.
HOD
Professor
Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal,
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S.No	Roll No.	Student Name	13/02/23	14/02/23	15/02/23	16/02/23	17/02/23	20/02/23
1	22T51S0601	Badeem Bhargavi	A	✓	✓	✓	✓	A
2	22T51S0602	Bammidi Vidhya Sagar	✓	A	✓	A	✓	✓
3	22T51S0603	Bada Mounika	✓	✓	A	✓	A	✓
4	22T51S0604	Gurugubelli Pranathi	A	A	✓	✓	✓	A
5	22T51S0605	NukapeyyiRupadevi	✓	✓	✓	A	A	✓
6	22T51S0606	Pondari Rashmitha	A	A	✓	✓	✓	✓
7	22T51S0607	Rambha Mounika	✓	✓	✓	✓	✓	✓
8	22T51S0608	Revalla Venkata Laxmi	✓	✓	A	A	✓	A
9	22T51S0609	S. Praneetha	✓	✓	✓	✓	A	✓

y. v. vandana
Course Coordinator

u. parvathi
HOD

Avanathi Institute of Pharmaceutical Sciences
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CHITTIVALASA S.A.O.
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S.No	Roll No.	Student Name	13/02/23	14/02/23	15/02/23	16/02/23	17/02/23	20/02/23
1	22T51S1602	Chekuri Meghana	A	✓	✓	✓	A	A
2	22T51S1603	Gara Suresh	✓	A	✓	✓	✓	✓
3	22T51S1605	Kasireddi Ramalakshmi	✓	✓	A	A	✓	A
4	22T51S1606	Kenari Shalini	✓	✓	✓	✓	A	✓
5	22T51S1607	Madaka Divya Sai	✓	A	✓	✓	✓	A
6	22T51S1608	M. Praveen Kumar	✓	✓	A	✓	✓	✓
7	22T51S1609	Modavalasa Sowmya	✓	✓	✓	A	✓	✓
8	22T51S1610	Makireddi Sukuma	A	✓	✓	✓	✓	A
9	22T51S1611	Mattaparthi Alekhya	✓	✓	✓	✓	A	✓
10	22T51S1612	Palli Joshana	✓	A	A	A	✓	✓
11	22T51S1613	Pilaka Neha	✓	✓	✓	✓	✓	✓
12	22T51S1614	Rokkala Prashanthi	✓	✓	✓	✓	✓	✓
13	22T51S1615	Uppati Latha	A	A	A	A	A	A

Y. V. Vandana
Course Coordinator

M. Parani
HOD

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S.No	Roll No.	Student Name	13/02/23	14/02/23	15/02/23	16/02/23	17/02/23	20/02/23
1	22T51S0301	Asapu Sirisha	✓	✓	A	✓	✓	✓
2	22T51S0302	Chelikana Prakash	✓	✓	✓	A	✓	A
3	22T51S0303	Gandi Spandana	A	✓	A	✓	A	✓
4	22T51S0305	Gollangi Harika	✓	✓	✓	✓	✓	A
5	22T51S0306	Pavan Teja Bolla	✓	✓	✓	A	✓	✓
6	22T51S0307	Saragadam Puja Prashanthi	✓	A	✓	✓	✓	✓
7	22T51S0308	Seekolu Venkata Lakshmi	✓	✓	A	✓	A	✓
8	22T51S0309	Shaik Shakeela Bhanu	✓	✓	✓	✓	✓	A
9	22T51S0310	Sribhashyam Meena	A	✓	✓	A	✓	✓
10	22T51S0311	Sunkari Bhavani Sankar	✓	A	✓	✓	✓	A

M.V. Vandana
Course Coordinator

M. Pavani
HOD

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1	22T51S0601	Badeem Bhargavi	24	66%
2	22T51S0602	Bammidi Vidhya Sagar	24	66%
3	22T51S0603	Bada Mounika	24	66%
4	22T51S0604	Gurugubelli Pranathi	18	50%
5	22T51S0605	Nukapeyyi Rupadevi	24	66%
6	22T51S0606	Pondari Rashmitha	24	66%
7	22T51S0607	Rambha Mounika	36	100%
8	22T51S0608	Revalla Venkata Laxmi	18	50%
9	22T51S0609	S. Praneetha	30	83%

Y.V. Vandana
Course Coordinator

M. PAVANI
Dr. M. PAVANI, M.Pharm, Ph.D.
HOD
Professor

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3	22T51S1605	Kasireddi Ramalakshmi	18	50%
4	22T51S1606	Kenari Shalini	30	83%
5	22T51S1607	Madaka Divya Sai	24	66%
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8	22T51S1610	Makireddi Sukuma	24	66%
9	22T51S1611	Mattaparthi Alekhya	30	83%
10	22T51S1612	Palli Joshana	18	50%
11	22T51S1613	Pilaka Neha	36	100%
12	22T51S1614	Rokkala Prashanthi	36	100%
13	22T51S1615	Uppati Latha	NIL	0%

T.V. Vandana
Course Coordinator



M. Pavani
Dr. M. PAVANI, M.Pharm, Ph.D.
Principal

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9	22T51S0310	Sribhashyam Meena	24	66%
10	22T51S0311	Sunkari Bhavani Sankar	24	66%

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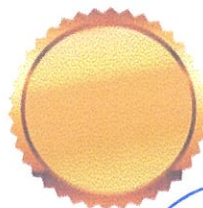
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Certificate of Completion

This is to certify that Mr/Ms **S PRANEETHA** bearing roll no. 22T51S0609 pursuing
I M Pharmacy has successfully completed Value Added Course on
“SPECTROSCOPIC TECHNIQUES USAGE AND ITS ROLE IN FILING NDA APPLICATION”
held from 13-02-2023 to 20-02-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **ASAPU SIRISHA** bearing roll no. 22T51S0301 pursuing I M Pharmacy has successfully completed Value Added Course on “SPECTROSCOPIC TECHNIQUES USAGE AND ITS ROLE IN FILING NDA APPLICATION” held from 13-02-2023 to 20-02-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **SARAGADAM POOJA PRANATHI** bearing roll no.
22T51S0307 pursuing

I M Pharmacy has successfully completed Value Added Course on
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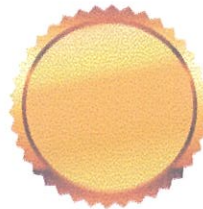
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Certificate of Completion

This is to certify that Mr/Ms **KASIREDDI RAMALAKSHMI** bearing roll no. 22T51S1605
pursuing

I M Pharmacy has successfully completed Value Added Course on
“SPECTROSCOPIC TECHNIQUES USAGE AND ITS ROLE IN FILING NDA APPLICATION”
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V. Nrusantkar
Convener



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Certificate of Completion

This is to certify that Mr/Ms **PILAKA NEHA** bearing roll no. 22T51S1613 pursuing
I M Pharmacy has successfully completed Value Added Course on
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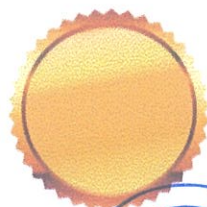
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Certificate of Completion

This is to certify that Mr/Ms **ROKKALA PRASANTHI** bearing roll no. 22T51S1614 pursuing
I M Pharmacy has successfully completed Value Added Course on
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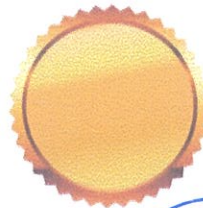
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Certificate of Completion

This is to certify that Mr/Ms **UPPATI LATHA** bearing roll no. 22T51S1615 pursuing
I M Pharmacy has successfully completed Value Added Course on
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held from 13-02-2023 to 20-02-2023 .


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Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



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www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Certificate of Completion

This is to certify that Mr/Ms **PONDARI RASHMITHA** bearing roll no. 22T51S0606 pursuing
I M Pharmacy has successfully completed Value Added Course on
“SPECTROSCOPIC TECHNIQUES USAGE AND ITS ROLE IN FILING NDA APPLICATION”
held from 13-02-2023 to 20-02-2023 .


Convener




Principal
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Certificate of Completion

This is to certify that Mr/Ms **SEEKOLU VENKATA LASKHMI** bearing roll no. 22T51S0308
pursuing

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held from 13-02-2023 to 20-02-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **SHAIK SHAKEELA BHANU** bearing roll no. 22T51S0309
pursuing

I M Pharmacy has successfully completed Value Added Course on
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held from 13-02-2023 to 20-02-2023 .


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DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2022-23/10

Date: 27-02-2023

CIRCULAR

This is to inform all the students of I B. Pharm and Pharm D that a value-added course will be conducted on the topic “**Global standards in surgical instrumentation**” from 13/3/2023 to 18/3/2023. Interested students are required to sign-up for the above-mentioned course with “**Mrs. B. Bhagya sri**” Associate Professor at Avanathi Institute of Pharmaceutical sciences.




Principal

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Avanathi Institute of Pharmaceutical Sciences

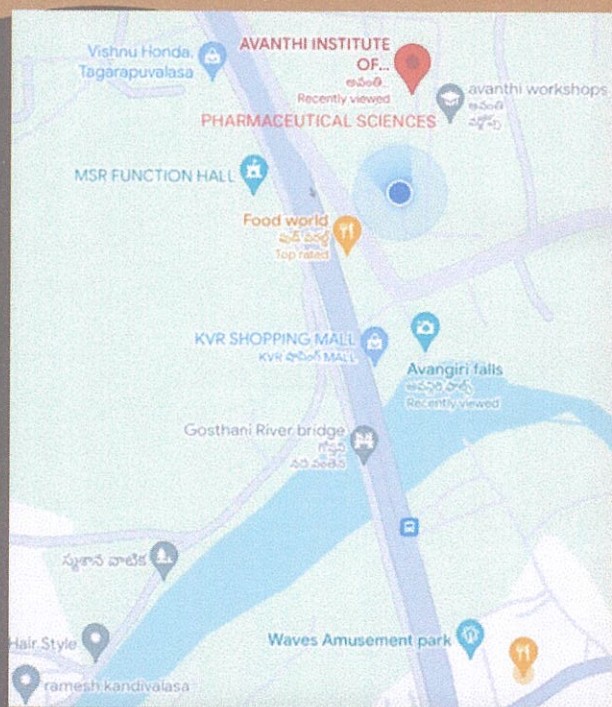
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Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapuvalasa Bridge adjacent to NH-16. Students of Avanthi boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU.

Route Map



Organizing Committee

Cheif Patron

Smt. M.Gnaneshwari,
Chairperson, AIPS

Patron

Dr. M.B.V.Raju, Principal, AIPS

Convener

V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate
Professor

Resource Person

Mrs. B Bhagya Sri,
Associate Professor,



Avanthi Institute of
Pharmaceutical
Sciences.

Organizing Committee

Mr. V.H.S. Reddy, Associate
Professor

Mr. K.B.K. Raju, Associate Professor

Mrs. I. Adi Lakshmi, Associate
Professor



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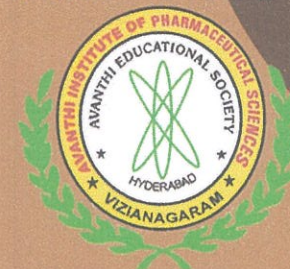
6 Days Workshop
On

Global Standards in Surgical Instrumentation

13/03/2023 - 18/03/2023

Organized By:

DEPARTMENT OF
PHARMACY



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(APPROVED BY PCI, A.I.C.TE, NEW
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VIZIANAGARAM)

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Course Title	: Global Standards in Surgical Instrumentation
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Mrs. B. Bhagya Sri, Associate Professor
Course Coordinator	: Mrs. B. Aruna, Assistant Professor
Dates	: 13-03-2023 to 18-03-2023
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/B. Pharm/2023/10

Objective:

- Understanding International Standards
- Instrument Categorization
- Material Science
- Manufacturing Processes
- Ergonomics and Human Factors

Outcomes:

- Understanding international standards
- Instrument categorized
- Material sciences
- Quality control measures
- Instrument maintenance and care




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Syllabus

1. Introduction to Surgical Instrumentation

- Overview of surgical instruments and their importance in medical procedures
- Historical perspective on surgical instrumentation
- Basic principles of surgical instrument design and functionality

2. Classification and Identification of Surgical Instruments

- Categorization of surgical instruments (cutting, grasping, retracting, etc.)
- Naming conventions and standardized identification systems
- Understanding instrument sets and their applications

3. Material Science in Surgical Instrumentation

- Types of materials used in surgical instruments (stainless steel, titanium, etc.)
- Properties and considerations for material selection
- Impact of material properties on instrument performance and sterilization

4. Manufacturing Processes and Quality Control

- Common manufacturing techniques for surgical instruments
- Quality control standards and practices
- Compliance with international regulations and certifications

5. Ergonomics and Human Factors in Surgical Instrumentation

- Design principles for user comfort and efficiency
- Ergonomic considerations in instrument handles, grips, and control mechanisms
- Human factors affecting instrument use in the operating room

6. Sterilization and Maintenance

- Overview of sterilization methods and their impact on different materials
- Maintenance procedures to prolong the lifespan of surgical instruments
- Best practices for handling, cleaning, and storing instruments



B. Anu

Course Coordinator

[Signature]
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M. Pavan
HOD

Dr. M. PAVANI, M.Pharm, Ph.D.
Professor

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TIMETABLE

CLASS: I B. PHARMACY

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Global Standards in Surgical Instrumentation	Break	Global Standards in Surgical Instrumentation	Lunch	Global Standards in Surgical Instrumentation	Global Standards in Surgical Instrumentation	Break	Global Standards in Surgical Instrumentation	Global Standards in Surgical Instrumentation
TUE									
WED									
THU									
FRI									
SAT									

CLASS: I PHARM. D

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Global Standards in Surgical Instrumentation	Break	Global Standards in Surgical Instrumentation	Lunch	Global Standards in Surgical Instrumentation	Global Standards in Surgical Instrumentation	Break	Global Standards in Surgical Instrumentation	Global Standards in Surgical Instrumentation
TUE									
WED									
THU									
FRI									
SAT									



B. Anu
Course Coordinator

hvj
PRINCIPAL

M. Pavan
Dr. M. PAVANI, HOD
Professor
M.Pharm, Ph.D.



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Referencebook: "Unsterile surgical equipment blinds 40 patients" journal of clinical engineering 28

S.NO	No. of weeks	Dates	Duration 9:30- 4:20 (6hrs)	Topics
1.	Week-1	13-03-2023	6hrs	1. Introduction to Surgical Instrumentation <ul style="list-style-type: none">• Overview of surgical instruments and their importance in medical procedures• Historical perspective on surgical instrumentation• Basic principles of surgical instrument design and functionality
2.		14-03-2023	6hrs	2. Classification and Identification of Surgical Instruments <ul style="list-style-type: none">• Categorization of surgical instruments (cutting, grasping, retracting, etc.)• Naming conventions and standardized identification systems• Understanding instrument sets and their applications
3.		15-03-2023	6hrs	3. Material Science in Surgical Instrumentation <ul style="list-style-type: none">• Types of materials used in surgical instruments (stainless steel, titanium, etc.)• Properties and considerations for material selection• Impact of material properties on instrument performance and sterilization




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4.		16-03-2023	6hrs	4. Manufacturing Processes and Quality Control <ul style="list-style-type: none">• Common manufacturing techniques for surgical instruments• Quality control standards and practices• Compliance with international regulations and certifications
5.		17-03-2023	6hrs	5. Ergonomics and Human Factors in Surgical Instrumentation <ul style="list-style-type: none">• Design principles for user comfort and efficiency• Ergonomic considerations in instrument handles, grips, and control mechanisms• Human factors affecting instrument use in the operating room
6.		18-03-2023	6hrs	6. Sterilization and Maintenance <ul style="list-style-type: none">• Overview of sterilization methods and their impact on different materials• Maintenance procedures to prolong the lifespan of surgical instruments• Best practices for handling, cleaning, and storing instruments

B. Asw
Course Coordinator



M. Pawan

Dr. M. PAVANI, M.Pharm, Ph.D.
Professor

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Assessment:

- 1. Which organization is commonly associated with developing international standards for surgical instruments?**
 - a. FDA
 - b. ASTM
 - c. WHO
 - d. CDC
- 2. What is the primary purpose of standardized identification systems for surgical instruments?**
 - a. Enhancing aesthetics
 - b. Ensuring traceability and recognition
 - c. Reducing manufacturing costs
 - d. Facilitating ergonomic design
- 3. Which factor is a crucial consideration in the design of surgical instruments according to global standards?**
 - a. Color aesthetics
 - b. User comfort and efficiency
 - c. Market popularity
 - d. Low manufacturing cost
- 4. What is the main emphasis of quality control measures in surgical instrument manufacturing?**
 - a. Reducing production time
 - b. Enhancing instrument weight
 - c. Ensuring safety and performance
 - d. Improving instrument aesthetics
- 5. Which international standards govern the sterilization methods for surgical instruments?**
 - a. ISO
 - b. ASTM
 - c. ANSI
 - d. IEC
- 6. What term is used to describe the process of prolonging the lifespan of surgical instruments through proper care and handling?**
 - a. Sterilization
 - b. Ergonomics
 - c. Maintenance
 - d. Categorization
- 7. Which regulatory body is responsible for approving the market access of surgical instruments in many regions?**
 - a. EPA
 - b. WHO
 - c. CE
 - d. OSHA




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8. In surgical instrument design, what does the term "ergonomics" primarily refer to?
 - a. Aesthetics
 - b. User comfort and efficiency
 - c. Material composition
 - d. Sterilization methods
9. What is a common challenge faced by surgical instrument manufacturers in ensuring global compliance?
 - a. High production costs
 - b. Language barriers
 - c. Overuse of technology
 - d. Alignment with diverse regulatory standards
10. How do global standards accommodate the integration of emerging technologies, such as robotics, in surgical instruments?
 - a. Prohibiting technological advancements
 - b. Providing guidelines and regulations
 - c. Ignoring technological trends
 - d. Encouraging aesthetic improvements

B. Anu
Course Coordinator

M. PAVANI

Dr. M. PAVANI, **HOD**, Ph.D.,
Professor

Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt. - 531162

Dr. M. PAVANI
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Date : 13-03-2023 to 18-03-2023
No. of Students Enrolled : 110
Subject : "Global Standards in Surgical Instrumentation"
I B. Pharmacy

S. No	Roll No.	Student Name
1	22T51R0001	ADDALA PRASANNA
2	22T51R0002	ADDURI RUPAVATHI
3	22T51R0003	ADIGARLA ANUSHA
4	22T51R0004	ADIYARAPU KUSA RAJU
5	22T51R0005	AGATHAMUDI SIREESHA
6	22T51R0006	AKKIREDDY LAKSHMI DEVI
7	22T51R0007	ANSHU KUMARI SINGH
8	22T51R0008	ATTHEM VARSHA NAGA ASRITHA
9	22T51R0009	BALIVADA SOWMYA
10	22T51R0010	BANDALUPPI SOWJANYA
11	22T51R0011	BANISSETTI GEETHA RATNAM
12	22T51R0012	BANTUPALLI BHAGYA SRI
13	22T51R0013	BANTUPALLI JASWANTH PATNAIK
14	22T51R0014	BODDEPALLI THANUSREE
15	22T51R0015	BONANGI BHUVANESWARI
16	22T51R0016	BONELA SRIJA
17	22T51R0017	BOTTA NALINI
18	22T51R0018	BOTTA VENKATA GEETHESWAR




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19	22T51R0019	BOYI PRIYANKA
20	22T51R0020	BURADA RAJUVARDHAN
21	22T51R0021	CHALAPAKALA DEEKSHITHA
22	22T51R0022	CHELLUBOINA LAKSHMI PAVNI
23	22T51R0023	CHILAKANTI SOWJANYA
24	22T51R0024	CHILLA SHARMILA
25	22T51R0025	CHINTA SNEHA
26	22T51R0026	DABBIRU HARSHITHA
27	22T51R0027	DADI MANASA
28	22T51R0028	DAPPU SASIKALA
29	22T51R0029	DARAPU CHITANYA SRI
30	22T51R0030	DINDI LAHARI
31	22T51R0031	DODDI UDAYA NIRUPAMA
32	22T51R0032	DUBA CHANDANA
33	22T51R0033	EDDIPILLI DHARSHINI PRIYA
34	22T51R0034	ENTURI NIHARIKA
35	22T51R0035	TUMMI HEMALATHA
36	22T51R0036	GOLAGANI SRAVANI
37	22T51R0037	GOLLAPALLI HARINI
38	22T51R0038	GOPU SUBASH REDDY
39	22T51R0039	GUNUPURU NEHA LATHA
40	22T51R0040	GURRAPU ISWARYA




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42	22T51R0042	ISAI SAIRAM
43	22T51R0043	ISUKAPATLA KRUPANAND
44	22T51R0044	JAYALAXMI PATNAIK
45	22T51R0045	KAKKALA LALITHA
46	22T51R0046	KANCHU BHAVANA
47	22T51R0047	KATI KI KEERTHI
48	22T51R0048	KEERTHANA PAPPU
49	22T51R0049	KELLA VARALAKSHMI
50	22T51R0050	KELLI DHARANI
51	22T51R0051	KILLARI DEEPIKA
52	22T51R0052	KODA UMA
53	22T51R0053	KOLLU TINATH
54	22T51R0054	KOMMAJOSYULA ASRITHA
55	22T51R0055	KONCHADA PALLAVI
56	22T51R0056	KORADA KOMALI MANI KUMARI
57	22T51R0057	KUPPILI SRAVANI
58	22T51R0058	LANKALAPALLI TILAK KUMAR
59	22T51R0059	LOPINTI HEMANTH KUMAR
60	22T51R0060	M LALASA
61	22T51R0061	MAJJI CHANDRA LIKITHA
62	22T51R0062	MALUPATHRUNI MOHITHA




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64	22T51R0064	MEEGADA RESSHMA RASAGJNA
65	22T51R0065	MUDDAPA SIMHADRI
66	22T51R0066	NADAGANA PAVANI
67	22T51R0067	NADUPURI MANASA
68	22T51R0068	NAMAGIRI JHANSI
69	22T51R0069	NEKKALAPUDI NIKITHA ANNAPURNA
70	22T51R0070	NETHALA SANTHI
71	22T51R0071	NITLA YAGNESWARI
72	22T51R0072	PADALA SOMESWARI
73	22T51R0073	PADI CHANDU (MPC STREEM)
74	22T51R0074	PAIDY HARIKA
75	22T51R0075	PAILA VASAVI
76	22T51R0076	PALLANTLA APARNA
77	22T51R0077	PALLI BINDUSAI
78	22T51R0078	PANDYOI ANKITHA
79	22T51R0079	PANGI RAJU BABU
80	22T51R0080	PONNAGANTI ROSHINI
81	22T51R0081	R YASWANTH KUMAR
82	22T51R0082	RAMBUDDI VASANTHA
83	22T51R0083	REDDI RANITHA DEVI
84	22T51R0084	REDDI SRAVANI



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86	22T51R0086	REVALLA JHANSI
87	22T51R0087	SAMAYAMANTHULA SIVA PARVATHI
88	22T51R0088	SANCHANA BHAVANA
89	22T51R0089	SARIPALLI SAI LAKSHMI
90	22T51R0090	SATRAPU BHARGAVI
91	22T51R0091	SAVALAPURAM SUNEETHA
92	22T51R0092	SIRIKI VENU
93	22T51R0093	SIRISETTI JAHNAVI
94	22T51R0094	SIVVALA HARI KRISHNA
95	22T51R0095	SUREDDI DHANUNJAY KUMAR
96	22T51R0096	THALACHANDRA SAIJAYAVARSHNI
97	22T51R0097	TIRLANGI SANTHI PRIYA
98	22T51R0098	TOTHADIS NEHARIKA
99	22T51R0099	TOYAKA KAVYA
100	22T51R00A0	UTTADA LAKSHMI PRASANNA
101	22T51R00A1	VANGAPANDU SAILAKSHMI
102	22T51R00A2	VELLANKI SARATH
103	22T51R00A3	VEMULA SATYA SREE HARSHITHA
104	22T51R00A4	VIJINIGIRI LOK RANJIT
105	22T51R00A5	VUDI RENUKA
106	22T51R00A6	VURIGITI THARUN KUMAR



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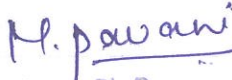
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107	22T51R00A7	YARNAGULA KIRANMAYI
108	22T51R00A8	PAPPALA MOUNIKA
109	22T51R00A9	BANDI VENKATA JYOTHSNA
110	22T51R00B0	PYDI PRAVALLIKA


Course Coordinator


Dr. M. PAVANI, M.Phil, Ph.D.
HOD
Professor

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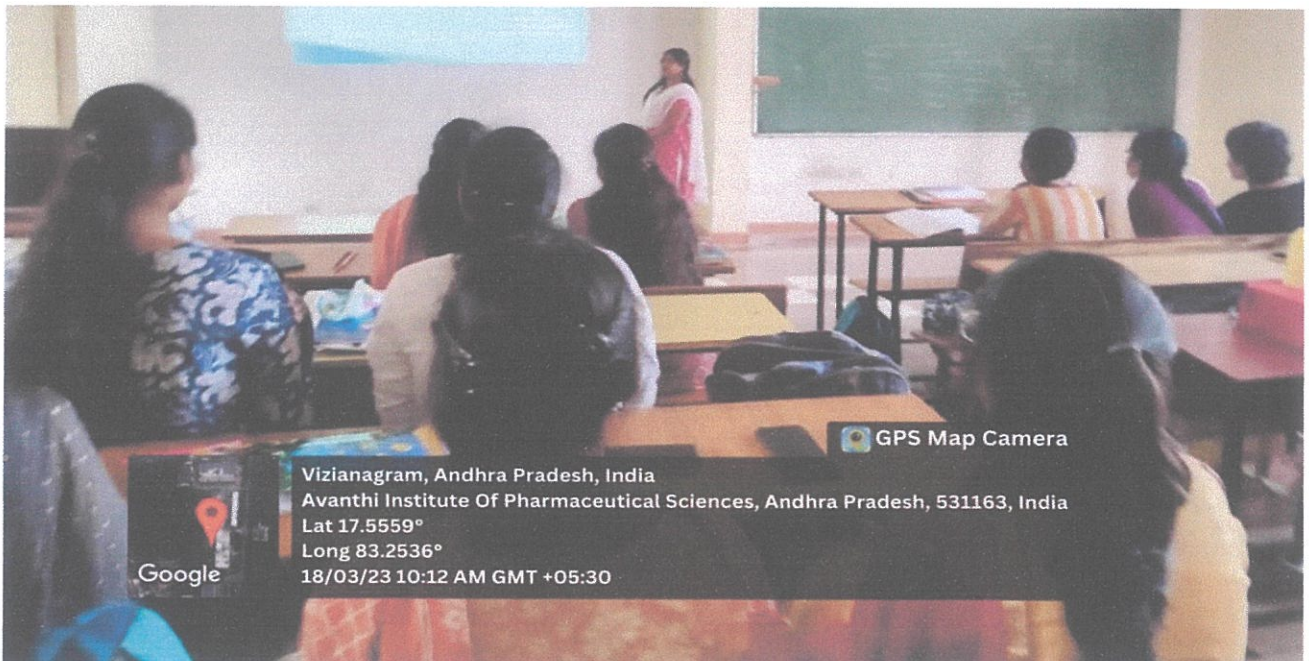
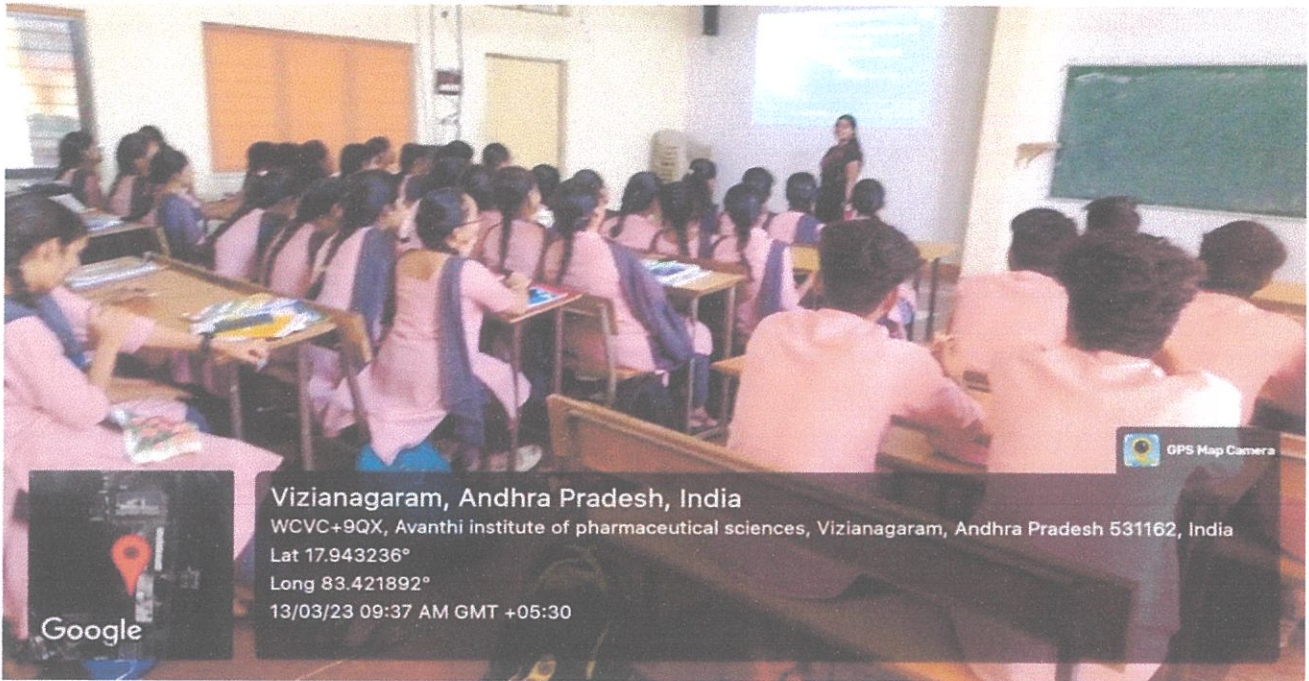
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B. Anzo
Course Coordinator

Dr. M. PAVANI, M.Pharm, Ph.D.

Professor
M. Pavani
HOD
Avanthi Institute of Pharmaceutical Sciences
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Date : 13-03-2023 to 18-03-2023

Subject : "Global Standards in Surgical Instrumentation" I B. Pharmacy

S.No	Roll No.	Student Name	13/03/23	14/03/23	15/03/23	16/03/23	17/03/23	18/03/23
1	22T51R0001	Addala Prasanna	✓	✓	✓	✓	✓	✓
2	22T51R0002	AdduriRupavathi	A	✓	✓	✓	✓	✓
3	22T51R0003	Adigarla Anusha	✓	✓	A	✓	✓	✓
4	22T51R0004	Adiyarapukusu Raju	✓	✓	✓	A	A	✓
5	22T51R0005	Agathamudi Sireesha	✓	A	✓	✓	✓	✓
6	22T51R0006	Akkireddy Lakshmi Devi	✓	✓	✓	✓	✓	✓
7	22T51R0007	Anshu Kumari Singh	✓	✓	✓	✓	✓	A
8	22T51R0008	Atthem Varsha Naga Asritha	✓	✓	✓	✓	✓	✓
9	22T51R0009	Balivada Sowmya	A	✓	A	✓	✓	✓
10	22T51R0010	Bandaluppi Sowjanya	✓	A	✓	✓	A	✓
11	22T51R0011	Baniseti Geetha Ratnam	✓	✓	✓	✓	✓	✓
12	22T51R0012	Bantupalli Bhagya Sri	✓	✓	✓	A	✓	✓
13	22T51R0013	Bantupalli Jaswanth Patnaik	✓	✓	✓	✓	✓	A
14	22T51R0014	Boddepalli Thanusree	✓	✓	✓	✓	✓	✓
15	22T51R0015	Bonangi Bhuvaneswari	✓	A	✓	✓	✓	✓
16	22T51R0016	Bonela Srija	✓	✓	A	✓	A	✓
17	22T51R0017	Botta Nalini	A	✓	✓	✓	✓	✓
18	22T51R0018	Botta Venkata Geetheswar	✓	✓	✓	✓	✓	✓
19	22T51R0019	Boyi Priyanka	✓	✓	✓	A	✓	✓
20	22T51R0020	BuradaRajuvardhan	✓	✓	✓	✓	✓	✓
21	22T51R0021	Chalapakala Deekshitha	✓	✓	✓	✓	✓	✓

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22	22T51R0022	Chelluboina Lakshmi Pavni	✓	✓	✓	✓	✓	✓
23	22T51R0023	Chilakanti Sowjanya	✓	✓	A	✓	✓	✓
24	22T51R0024	Chilla Sharmila	A	✓	✓	✓	✓	A
25	22T51R0025	Chinta Sneha	✓	✓	✓	A	✓	✓
26	22T51R0026	Dabbiru Harshitha	✓	A	✓	✓	✓	✓
27	22T51R0027	Dadi Manasa	✓	✓	A	✓	A	✓
28	22T51R0028	Dappu Sasikala	✓	✓	✓	✓	✓	A
29	22T51R0029	DarapuChitanya Sri	✓	✓	✓	✓	✓	✓
30	22T51R0030	Dindi Lahari	✓	✓	✓	✓	✓	✓
31	22T51R0031	Doddi Udaya Nirupama	✓	A	✓	✓	✓	✓
32	22T51R0032	Duba Chandana	A	✓	✓	✓	A	✓
33	22T51R0033	Eddipilli Dharshini Priya	✓	✓	A	✓	✓	A
34	22T51R0034	Enturi Niharika	✓	✓	✓	A	✓	✓
35	22T51R0035	Tummi Hemalatha	✓	✓	✓	✓	✓	✓
36	22T51R0036	Golagani Sravani	✓	A	✓	✓	✓	✓
37	22T51R0037	Gollapalli Harini	✓	✓	✓	✓	✓	✓
38	22T51R0038	Gopu Subash Reddy	A	✓	A	✓	✓	A
39	22T51R0039	Gunupuru Neha Latha	✓	✓	✓	✓	✓	✓
40	22T51R0040	Gurrapu Iswarya	✓	✓	✓	✓	A	✓
41	22T51R0041	Injarapu Sonali	✓	✓	✓	A	✓	✓
42	22T51R0042	Isai Sairam	✓	A	✓	✓	✓	✓
43	22T51R0043	IsukapatlaKrupanand	✓	✓	✓	✓	✓	A
44	22T51R0044	Jayalaxmi Patnaik	✓	✓	✓	✓	✓	✓



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45	22T51R0045	Kakkala Lalitha	✓	✓	✓	✓	✓	✓
46	22T51R0046	Kanchu Bhavana	✓	✓	A	✓	A	✓
47	22T51R0047	Katiki Keerthi	A	✓	✓	✓	✓	✓
48	22T51R0048	Keerthana Pappu	✓	A	✓	✓	✓	✓
49	22T51R0049	Kella Varalakshmi	✓	✓	✓	A	✓	A
50	22T51R0050	Kelli Dharani	✓	✓	A	✓	✓	✓
51	22T51R0051	Killari Deepika	A	✓	✓	✓	A	✓
52	22T51R0052	Koda Uma	✓	✓	✓	✓	✓	✓
53	22T51R0053	Kollu Tinath	✓	A	✓	✓	✓	A
54	22T51R0054	Kommajosyula Asritha	✓	✓	✓	A	✓	✓
55	22T51R0055	Konchada Pallavi	A	✓	✓	✓	✓	✓
56	22T51R0056	Korada Komali Mani Kumari	✓	✓	A	✓	✓	✓
57	22T51R0057	Kuppili Sravani	✓	A	✓	✓	✓	A
58	22T51R0058	Lankalapalli Tilak Kumar	✓	✓	✓	✓	A	✓
59	22T51R0059	Lopinti Hemanth Kumar	✓	✓	✓	A	✓	✓
60	22T51R0060	M Lalasa	A	✓	✓	✓	✓	✓
61	22T51R0061	Majji Chandra Likitha	✓	✓	A	✓	✓	A
62	22T51R0062	Malupathruni Mohitha	✓	A	✓	✓	✓	✓
63	22T51R0063	Manduri Yaswini	A	✓	✓	✓	A	✓
64	22T51R0064	Meegada Reshma Rasagina	✓	✓	✓	A	✓	✓
65	22T51R0065	Muddapa Simhadri	✓	✓	A	✓	✓	A
66	22T51R0066	Nadagana Pavani	✓	A	✓	✓	✓	✓
67	22T51R0067	Nadupuri Manasa	✓	✓	✓	✓	✓	✓



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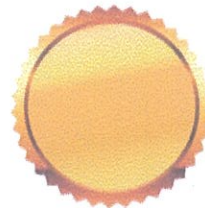
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held from 13-03-2023 to 18-03-2023 .

V. Manj Sarika
Convener



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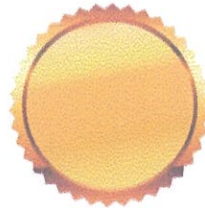
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V. Munisankar
Convener



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V. Anusavaran
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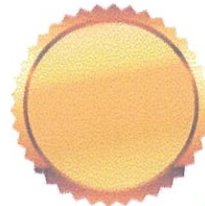
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This is to certify that Mr/Ms **ADIGARLA ANUSHA** bearing roll no. 22T51R0003 pursuing
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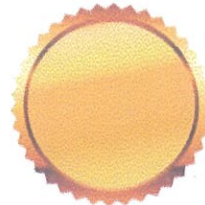
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This is to certify that Mr/Ms **ADDALA PRASANNA** bearing roll no. 22T51R0001 pursuing I B Pharmacy has successfully completed Value Added Course on **“GLOBAL STANDARDS IN SURGICAL INSTRUMENTATION”** held from 13-03-2023 to 18-03-2023 .

V. Anjan Kumar
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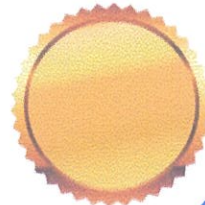
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This is to certify that Mr/Ms **ADDURI RUPAVATHI** bearing roll no. 22T51R0002 pursuing I B Pharmacy has successfully completed Value Added Course on **“GLOBAL STANDARDS IN SURGICAL INSTRUMENTATION”** held from 13-03-2023 to 18-03-2023 .

V. Bhugavata
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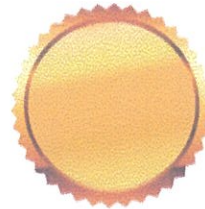
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This is to certify that Mr/Ms **VANGAPANDU SAILAKSHMI** bearing roll no. 22T51R00A1
pursuing

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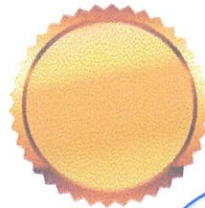
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This is to certify that Mr/Ms **PAIDI SRUTHI**
bearing roll no. 22T51T0032 pursuing I Pharm D has successfully completed Value Added Course on
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68	22T51R0068	Namagiri Jhansi	✓	✓	✓	✓	A	✓
69	22T51R0069	Nekkalapudi Nikitha Annapurna	A	✓	A	✓	✓	✓
70	22T51R0070	Nethala Santhi	✓	A	✓	✓	✓	✓
71	22T51R0071	Nitla Yagneswari	✓	✓	A	A	✓	✓
72	22T51R0072	Padala Someswari	✓	✓	✓	✓	✓	✓
73	22T51R0073	Padi Chandu (MPC Stream)	✓	✓	✓	✓	✓	A
74	22T51R0074	Paidy Harika	A	✓	✓	✓	✓	✓
75	22T51R0075	Paila Vasavi	✓	✓	A	✓	✓	✓
76	22T51R0076	Pallantla Aparna	✓	A	✓	A	✓	✓
77	22T51R0077	Palli Bindusai	✓	✓	✓	✓	✓	✓
78	22T51R0078	Pandoyi Ankitha	✓	✓	✓	✓	A	✓
79	22T51R0079	Pangi Raju Babu	✓	✓	✓	✓	✓	✓
80	22T51R0080	Ponnaganti Roshini	✓	A	✓	✓	✓	✓
81	22T51R0081	R Yaswanth Kumar	✓	✓	A	✓	✓	✓
82	22T51R0082	Rambuddi Vasantha	A	✓	✓	A	✓	✓
83	22T51R0083	Reddi Ranitha Devi	✓	✓	✓	✓	✓	A
84	22T51R0084	Reddi Sravani	✓	✓	A	✓	✓	✓
85	22T51R0085	Reddy Bhavani	✓	A	✓	✓	A	✓
86	22T51R0086	Revalla Jhansi	A	A	✓	✓	✓	✓
87	22T51R0087	Samayamanthula Siva Parvathi	✓	✓	✓	A	✓	✓
88	22T51R0088	Sanchana Bhavana	✓	✓	A	✓	✓	✓
89	22T51R0089	Saripalli Sai Lakshmi	✓	✓	✓	✓	✓	A
90	22T51R0090	Satrapu Bhargavi	✓	✓	✓	✓	✓	✓



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91	22T51R0091	Savalapuram Suneetha	✓	✓	✓	✓	✓	A
92	22T51R0092	Siriki Venu	✓	✓	A	A	✓	✓
93	22T51R0093	Sirisetti Jahnvi	A	✓	✓	✓	A	✓
94	22T51R0094	Sivvala Hari Krishna	✓	✓	✓	✓	✓	✓
95	22T51R0095	Sureddi Dhanunjay Kumar	✓	A	✓	✓	✓	✓
96	22T51R0096	Thalachandra Saijayavarshni	✓	✓	A	✓	✓	✓
97	22T51R0097	Tirlangi Santhi Priya	✓	✓	✓	A	✓	✓
98	22T51R0098	Tothadis Neharika	A	✓	✓	✓	✓	A
99	22T51R0099	Toyaka Kavya	✓	✓	✓	✓	✓	✓
100	22T51R00A0	Uttada Lakshmi Prasanna	✓	A	✓	✓	A	✓
101	22T51R00A1	Vangapandu Sailakshmi	✓	✓	A	✓	✓	✓
102	22T51R00A2	Vellanki Sarath	✓	✓	✓	A	✓	✓
103	22T51R00A3	Vemula Satya Sree Harshitha	A	✓	✓	✓	✓	✓
104	22T51R00A4	Vijinigiri Lok Ranjit	✓	✓	✓	✓	✓	A
105	22T51R00A5	Vudi Renuka	✓	A	✓	✓	✓	✓
106	22T51R00A6	Vurigiti Tharun Kumar	✓	✓	✓	✓	A	✓
107	22T51R00A7	Yarnagula Kiranmayi	✓	✓	A	✓	✓	✓
108	22T51R00A8	Pappala Mounika	A	✓	✓	✓	✓	✓
109	22T51R00A9	Bandi Venkata Jyothsna	✓	A	✓	A	✓	✓
110	22T51R00B0	Pydi Pravallika	✓	✓	✓	✓	✓	A

B. Aruna
Course Coordinator



M. Parvathi
HOD
CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram

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Date : 13-03-2023 to 18-03-2023
No. of Students Enrolled : 110
Subject : "Global Standards in Surgical Instrumentation"
I B. Pharmacy

S. No	Roll No	Student Name	No. of classes Attended	% of classes Attended
1	22T51R0001	ADDALA PRASANNA	36	100%
2	22T51R0002	ADDURI RUPAVATHI	30	83%
3	22T51R0003	ADIGARLA ANUSHA	30	83%
4	22T51R0004	ADIYARAPU KUSA RAJU	24	66%
5	22T51R0005	AGATHAMUDI SIREESHA	30	83%
6	22T51R0006	AKKIREDDY LAKSHMI DEVI	36	100%
7	22T51R0007	ANSHU KUMARI SINGH	30	83%
8	22T51R0008	ATTHEM VARSHA NAGA ASRITHA	36	100%
9	22T51R0009	BALIVADA SOWMYA	24	66%
10	22T51R0010	BANDALUPPI SOWJANYA	24	66%
11	22T51R0011	BANISETTI GEETHA RATNAM	36	100%
12	22T51R0012	BANTUPALLI BHAGYA SRI	30	83%
13	22T51R0013	BANTUPALLI JASWANTH PATNAIK	30	83%
14	22T51R0014	BODDEPALLI THANUSREE	36	100%
15	22T51R0015	BONANGI BHUVANESWARI	30	83%
16	22T51R0016	BONELA SRIJA	24	66%



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17	22T51R0017	BOTTA NALINI	30	83%
18	22T51R0018	BOTTA VENKATA GEETHESWAR	36	100%
19	22T51R0019	BOYI PRIYANKA	30	83%
20	22T51R0020	BURADA RAJUVARDHAN	36	100%
21	22T51R0021	CHALAPAKALA DEEKSHITHA	36	100%
22	22T51R0022	CHELLUBOINA LAKSHMI PAVNI	36	100%
23	22T51R0023	CHILAKANTI SOWJANYA	30	83%
24	22T51R0024	CHILLA SHARMILA	24	66%
25	22T51R0025	CHINTA SNEHA	30	83%
26	22T51R0026	DABBIRU HARSHITHA	30	83%
27	22T51R0027	DADI MANASA	24	66%
28	22T51R0028	DAPPU SASIKALA	30	83%
29	22T51R0029	DARAPU CHITANYA SRI	36	100%
30	22T51R0030	DINDI LAHARI	36	100%
31	22T51R0031	DODDI UDAYA NIRUPAMA	30	83%
32	22T51R0032	DUBA CHANDANA	24	66%
33	22T51R0033	EDDIPILLI DHARSHINI PRIYA	24	66%
34	22T51R0034	ENTURI NIHARIKA	30	83%
35	22T51R0035	TUMMI HEMALATHA	36	100%
36	22T51R0036	GOLAGANI SRAVANI	30	83%
37	22T51R0037	GOLLAPALLI HARINI	36	100%
38	22T51R0038	GOPU SUBASH REDDY	18	50%


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39	22T51R0039	GUNUPURU NEHA LATHA	36	100%
40	22T51R0040	GURRAPU ISWARYA	30	83%
41	22T51R0041	INJARAPU SONALI	36	83%
42	22T51R0042	ISAI SAIRAM	30	83%
43	22T51R0043	ISUKAPATLA KRUPANAND	30	83%
44	22T51R0044	JAYALAXMI PATNAIK	36	100%
45	22T51R0045	KAKKALA LALITHA	36	100%
46	22T51R0046	KANCHU BHAVANA	24	66%
47	22T51R0047	KATI KI KEERTHI	30	83%
48	22T51R0048	KEERTHANA PAPPU	30	83%
49	22T51R0049	KELLA VARALAKSHMI	24	66%
50	22T51R0050	KELLI DHARANI	30	83%
51	22T51R0051	KILLARI DEEPIKA	24	66%
52	22T51R0052	KODA UMA	36	100%
53	22T51R0053	KOLLU TINATH	24	66%
54	22T51R0054	KOMMAJOSYULA ASRITHA	30	83%
55	22T51R0055	KONCHADA PALLAVI	24	66%
56	22T51R0056	KORADA KOMALI MANI KUMARI	30	83%
57	22T51R0057	KUPPILI SRAVANI	24	66%
58	22T51R0058	LANKALAPALLI TILAK KUMAR	30	83%
59	22T51R0059	LOPINTI HEMANTH KUMAR	30	83%
60	22T51R0060	M LALASA	30	83%



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61	22T51R0061	MAJJI CHANDRA LIKITHA	24	66%
62	22T51R0062	MALUPATHRUNI MOHITHA	30	83%
63	22T51R0063	MANDURI YASWINI	24	66%
64	22T51R0064	MEEGADA RESSHMA RASAGJNA	30	83%
65	22T51R0065	MUDDAPA SIMHADRI	24	66%
66	22T51R0066	NADAGANA PAVANI	30	83%
67	22T51R0067	NADUPURI MANASA	30	83%
68	22T51R0068	NAMAGIRI JHANSI	30	83%
69	22T51R0069	NEKKALAPUDI NIKITHA ANNAPURNA	24	66%
70	22T51R0070	NETHALA SANTHI	30	83%
71	22T51R0071	NITLA YAGNESWARI	24	66%
72	22T51R0072	PADALA SOMESWARI	36	100%
73	22T51R0073	PADI CHANDU (MPC STREEM)	30	83%
74	22T51R0074	PAIDY HARIKA	30	83%
75	22T51R0075	PAILA VASAVI	30	83%
76	22T51R0076	PALLANTLA APARNA	24	66%
77	22T51R0077	PALLI BINDUSAI	36	100%
78	22T51R0078	PANDYOI ANKITHA	30	83%
79	22T51R0079	PANGI RAJU BABU	30	83%
80	22T51R0080	PONNAGANTI ROSHINI	30	83%
81	22T51R0081	R YASWANTH KUMAR	30	83%
82	22T51R0082	RAMBUDU PHARMASANTHA	24	66%



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83	22T51R0083	REDDI RANITHA DEVI	30	83%
84	22T51R0084	REDDI SRAVANI	30	83%
85	22T51R0085	REDDY BHAVANI	24	66%
86	22T51R0086	REVALLA JHANSI	24	66%
87	22T51R0087	SAMAYAMANTHULA SIVA PARVATHI	30	83%
88	22T51R0088	SANCHANA BHAVANA	30	83%
89	22T51R0089	SARIPALLI SAI LAKSHMI	30	83%
90	22T51R0090	SATRAPU BHARGAVI	36	100%
91	22T51R0091	SAVALAPURAM SUNEETHA	30	83%
92	22T51R0092	SIRIKI VENU	24	66%
93	22T51R0093	SIRISETTI JAHNAVI	24	66%
94	22T51R0094	SIVVALA HARI KRISHNA	36	100%
95	22T51R0095	SUREDDI DHANUNJAY KUMAR	30	83%
96	22T51R0096	THALACHANDRA SAIJAYAVARSHNI	30	83%
97	22T51R0097	TIRLANGI SANTHI PRIYA	30	83%
98	22T51R0098	TOTHADIS NEHARIKA	24	66%
99	22T51R0099	TOYAKA KAVYA	36	100%
100	22T51R00A0	UTTADA LAKSHMI PRASANNA	24	66%
101	22T51R00A1	VANGAPANDU SAILAKSHMI	30	83%
102	22T51R00A2	VELLANKI SARATH	30	83%
103	22T51R00A3	VEMULA SATYA SREE HARSHITHA	30	83%



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104	22T51R00A4	VIJINIGIRI LOK RANJIT	30	83%
105	22T51R00A5	VUDI RENUKA	30	83%
106	22T51R00A6	VURIGITI THARUN KUMAR	30	83%
107	22T51R00A7	YARNAGULA KIRANMAYI	30	83%
108	22T51R00A8	PAPPALA MOUNIKA	30	83%
109	22T51R00A9	BANDI VENKATA JYOTHSNA	24	66%
110	22T51R00B0	PYDI PRAVALLIKA	30	83%

B. Arora
Course Coordinator



Dr. M. PAVANI, *M. Pavani*
Pharm, Ph.D.

Professor
HOD

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Certificate of Completion

This is to certify that Mr/Ms ***NETHALA SANTI*** bearing roll no. 22T51R0070 pursuing I B Pharmacy has successfully completed Value Added Course on “**GLOBAL STANDARDS IN SURGICAL INSTRUMENTATION**” held from 13-03-2023 to 18-03-2023 .


Convener




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Certificate of Completion

This is to certify that Mr/Ms **BOTTA VENKATA GEETHESWAR** bearing roll no.
22T51R0018 pursuing
I B Pharmacy has successfully completed Value Added Course on
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I B Pharmacy has successfully completed Value Added Course on
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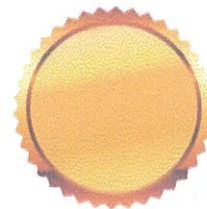
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This is to certify that Mr/Ms **SAMPATHIRAO HARITHA**
bearing roll no. 22T51T0024 pursuing I Pharm D has successfully completed Value Added Course on
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V. Munisankar
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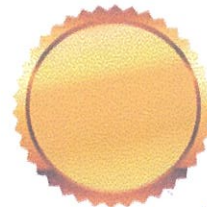
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This is to certify that Mr/Ms **SAKURU BHUVANA CHANDRIKA**
bearing roll no. 22T51T0023 pursuing I Pharm D has successfully completed Value Added Course on
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held from 13-03-2023 to 18-03-2023 .

V. Uma Sankar
Convenor



V. Uma Sankar
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This is to certify that Mr/Ms **PRAGADA RISHITHA PRIYANKA**
bearing roll no. 22T51T0022 pursuing I Pharm D has successfully completed Value Added Course on
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V. Nageswarker
Convener



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Certificate of Completion

This is to certify that Mr/Ms **HARSHITA MESH**
bearing roll no. 22T51T0012 pursuing I Pharm D has successfully completed Value Added Course on
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held from 13-03-2023 to 18-03-2023 .

V. Harshita
Convener



[Signature]
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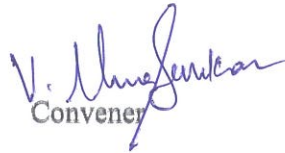
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This is to certify that Mr/Ms **UTTADA LAKSHMI PRASANNA** bearing roll no. 22T51R00A0
pursuing

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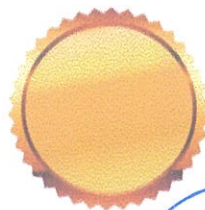
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This is to certify that Mr/Ms **PAIDY HARIKA** bearing roll no. 22T51R0074 pursuing
I B Pharmacy has successfully completed Value Added Course on
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This is to certify that Mr/Ms **PADI CHANDU (MPC STREEM)** bearing roll no. 22T51R0073
pursuing

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Certificate of Completion

This is to certify that Mr/Ms **PADALA SOMESWARI** bearing roll no. 22T51R0072 pursuing I B Pharmacy has successfully completed Value Added Course on
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Certificate of Completion

This is to certify that Mr/Ms **NITLA YAGNESWARI** bearing roll no. 22T51R0071 pursuing
I B Pharmacy has successfully completed Value Added Course on
“GLOBAL STANDARDS IN SURGICAL INSTRUMENTATION”
held from 13-03-2023 to 18-03-2023 .


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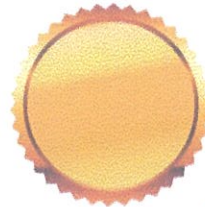
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Certificate of Completion

This is to certify that Mr/Ms **VIJINIGIRI LOK RANJIT** bearing roll no. 22T51R00A4 pursuing
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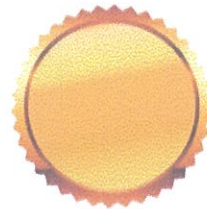
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Certificate of Completion

This is to certify that Mr/Ms **PAPPALA MOUNIKA** bearing roll no. 22T51R00A8 pursuing I B Pharmacy has successfully completed Value Added Course on “**GLOBAL STANDARDS IN SURGICAL INSTRUMENTATION**” held from 13-03-2023 to 18-03-2023 .

V. Manjanna
Convener



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This is to certify that Mr/Ms **BANDI VENKATA JYOTHSNA** bearing roll no. 22T51R00A9
pursuing

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V. Anusankar
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This is to certify that Mr/Ms **PYDI PRAVALLIKA** bearing roll no. 22T51R00B0 pursuing I B Pharmacy has successfully completed Value Added Course on **“GLOBAL STANDARDS IN SURGICAL INSTRUMENTATION”** held from 13-03-2023 to 18-03-2023 .

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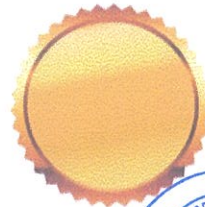
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This is to certify that Mr/Ms **ADDURI MOHITHA BHAVANI**
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This is to certify that Mr/Ms **BANDHRU BALAYASASWINI**
bearing roll no. 22T51T0004 pursuing I Pharm D has successfully completed Value Added Course on
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V. Krishna Kumar
Convener



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This is to certify that Mr/Ms **BANTU PALLI PADMINI (MPC STREAM)**
bearing roll no. 22T51T0005 pursuing I Pharm D has successfully completed Value Added Course on
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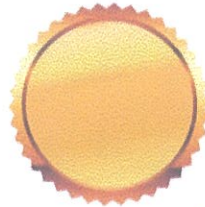
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Certificate of Completion

This is to certify that Mr/Ms **GUNUPURU CHANDANA**
bearing roll no. 22T51T0010 pursuing I Pharm D has successfully completed Value Added Course on
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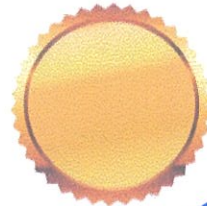
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Certificate of Completion

This is to certify that Mr/Ms **GUTTULA NANDU**
bearing roll no. 22T51T0011 pursuing I Pharm D has successfully completed Value Added Course on
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DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2022-23/11

Date: 03-04-2023

CIRCULAR

This is to inform all the students of second year B. Pharm that a value-added course will be conducted on the topic “**Crude Drugs from Marine Corridor Resources**” from 17/04/2023 to 24/04/2023. Interested students are required to sign-up for the above-mentioned course with “**Mr. A. Nanaji**” Associate Professor at Avanthi Institute of Pharmaceutical sciences.




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Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to JNTUGV, Vizianagaram and is AICTE The college is well equipped with state of art laboratories and equipment. The college is 25 km from Visakhapatnam and 15 km from Vizianagaram near Tagarapuvalasa Bridge adjacent to NH-16. Students of Avanthi boast of their excellent academic performance both at University level and GPAT with an enviable record of results. Our students achieve heights of excellence by getting a way of admission in prestigious institutions like NIPER & BHU.

Route Map



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Mrs. B. Chaitanya, Associate
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Resource Person

Mr. A. Nanaji,
Associate Professor,



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Mrs. Y. Pavani, Assistant Professor

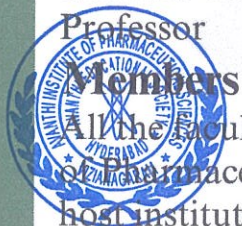
Mrs. M. Divya, Assistant Professor

Mrs. M. Geethanjali, Assistant

Professor

Members

All the Faculty of Avanthi Institute of Pharmaceutical Sciences
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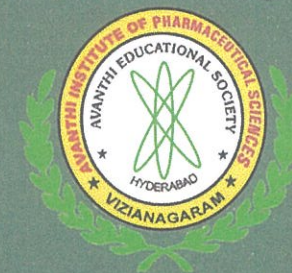

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6 Days Workshop On Crude Drugs from marine corridor resources.

17/04/2023-24/04/2023

Organized By:

DEPARTMENT OF
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Course Title	: Crude Drugs from Marine Corridor Resources
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Mr. A. Nanaji, Associate Professor
Course Coordinator	: Mrs. B. Meher Jyothi
Dates	: 17-04-2023 to 24-04-2023
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/B. Pharm/2023/11

Objectives:

- Understanding Marine Pharmacology
- Extraction Techniques
- Sustainability and Conservation Issues

Outcomes:

- Extraction and Purification Skills
- Laboratory Techniques
- Drug development process




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Syllabus

- 1. Introduction to Marine Pharmacology and Marine Biology**
 - a. Overview of Marine Pharmacology
 - Definition, scope, and significance
 - Historical perspectives and current research trends
 - b. Introduction to Marine Biology
 - Basics of marine ecosystems
 - Diversity of marine organisms with pharmaceutical potential

- 2. Bioactive Compounds from Marine Organisms**
 - a. Marine Algae
 - Overview of algae as a source of bioactive compounds
 - Extraction methods and potential therapeutic applications
 - b. Marine Invertebrates
 - Sponges, mollusks, and corals as sources of bioactive compounds
 - Identification of key medicinal compounds
 - c. Marine Microorganisms
 - Bacteria, fungi, and viruses from marine environments
 - Bioprospecting for novel drugs

- 3. Extraction and Purification Techniques**
 - a. Extraction Methods
 - Overview of extraction techniques for marine crude drugs
 - Solvent extraction, supercritical fluid extraction, and other methods
 - b. Purification Techniques
 - Chromatographic methods for isolating bioactive compounds
 - Fractionation and purification strategies

- 4. Pharmacological Screening and Drug Development**
 - a. Pharmacological Screening
 - In vitro and in vivo methods for assessing the pharmacological activity of marine-derived compounds
 - Ethical considerations in marine pharmacology research
 - b. Drug Development Process
 - From discovery to clinical trials
 - Challenges and opportunities in developing marine-derived drugs



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5. Case Studies of Marine-Derived Drugs

a. Overview of Marine-Derived Drugs

- Existing drugs derived from marine sources
- Success stories and limitations

b. Case Studies

- Analysis of specific marine-derived drugs (e.g., marine anticancer compounds, antivirals, anti-inflammatory agents)

6. Sustainability and Conservation Issues

a. Environmental Impact

- Assessing the environmental impact of marine drug discovery
- Strategies for sustainable practices

b. Conservation and Biodiversity

- Importance of conservation in marine pharmacology
- Ethical considerations and responsible research practices

B. Meharjyothi
Course Coordinator

M. PAVANI
Dr. M. PAVANI, HOD
Professor
Avanathi Institute of Pharmaceutical Sciences
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TIMETABLE

CLASS: II B PHARMACY

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Crude Drugs from Marine Corridor Resources	Break	Crude Drugs from Marine Corridor Resources	Lunch	Crude Drugs from Marine Corridor Resources	Crude Drugs from Marine Corridor Resources	Break	Crude Drugs from Marine Corridor Resources	Crude Drugs from Marine Corridor Resources
TUE									
WED									
THU									
FRI									
SAT									

B. B. Meherajyothi
Course Coordinator

M. Pawan
Dr. M. PAVANI HOD
Professor
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Reference book: "Crude Drugs from Marine Corridor Resources" by Se-Kwon Kim

S.NO	No. of weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	17-04-2023	6hrs	1. Introduction to Marine Pharmacology and Marine Biology a. Overview of Marine Pharmacology <ul style="list-style-type: none">• Definition, scope, and significance• Historical perspectives and current research trends b. Introduction to Marine Biology <ul style="list-style-type: none">• Basics of marine ecosystems• Diversity of marine organisms with pharmaceutical potential
2.		18-04-2023	6hrs	2. Bioactive Compounds from Marine Organisms a. Marine Algae <ul style="list-style-type: none">• Overview of algae as a source of bioactive compounds• Extraction methods and potential therapeutic applications b. Marine Invertebrates <ul style="list-style-type: none">• Sponges, mollusks, and corals as sources of bioactive compounds• Identification of key medicinal compounds c. Marine Microorganisms <ul style="list-style-type: none">• Bacteria, fungi, and viruses from marine environments• Bioprospecting for novel drugs




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3.	19-04-2023	6hrs	3. Extraction and Purification Techniques a. Extraction Methods <ul style="list-style-type: none">• Overview of extraction techniques for marine crude drugs• Solvent extraction, supercritical fluid extraction, and other methods b. Purification Techniques <ul style="list-style-type: none">• Chromatographic methods for isolating bioactive compounds• Fractionation and purification strategies
4.	20-04-2023	6hrs	4. Pharmacological Screening and Drug Development a. Pharmacological Screening <ul style="list-style-type: none">• In vitro and in vivo methods for assessing the pharmacological activity of marine-derived compounds• Ethical considerations in marine pharmacology research b. Drug Development Process <ul style="list-style-type: none">• From discovery to clinical trials• Challenges and opportunities in developing marine-derived drugs
5.	21-04-2023	6hrs	5. Case Studies of Marine-Derived Drugs a. Overview of Marine-Derived Drugs <ul style="list-style-type: none">• Existing drugs derived from marine sources



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				<ul style="list-style-type: none">• Success stories and limitations <p>b. Case Studies</p> <ul style="list-style-type: none">• Analysis of specific marine-derived drugs (e.g., marine anticancer• compounds, antivirals, anti-inflammatory agents)
6.		24-04-2023	6hrs	<p>6. Sustainability and Conservation Issues</p> <p>a. Environmental Impact</p> <ul style="list-style-type: none">• Assessing the environmental impact of marine drug discovery• Strategies for sustainable practices <p>b. Conservation and Biodiversity</p> <ul style="list-style-type: none">• Importance of conservation in marine pharmacology• Ethical considerations and responsible research practices

B. B. Meherajothi
Course Coordinator

M. Pavani
Dr. M. PAVANI, M.Pharm, Ph.D.
Professor
HOD

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Assessment:

- 1. What is the primary focus of marine pharmacognosy in the context of drug discovery?**
 - a. Extraction of metals from marine sediments
 - b. Identification of medicinal compounds from marine organisms
 - c. Exploration of marine energy
 - d. Study of marine geological formations
- 2. Which of the following marine organisms is commonly known for being a source of bioactive compounds used in pharmaceuticals?**
 - a. Marine mammals
 - b. Seabirds
 - c. Algae
 - d. Coral reefs
- 3. What is the purpose of supercritical fluid extraction in the context of marine-derived crude drugs?**
 - a. Removal of marine toxins
 - b. Rapid extraction of bioactive compounds
 - c. Preservation of marine samples
 - d. Reduction of marine pollution
- 4. Which marine-derived compound has been studied for its potential anti-cancer properties?**
 - a. Marine collagen
 - b. Marine omega-3 fatty acids
 - c. Marine alkaloids from sponges
 - d. Marine carbohydrates
- 5. In the drug development process, what is the term for the phase where a potential marine-derived drug is tested on human subjects for the first time?**
 - a. Preclinical trials
 - b. Phase I clinical trials
 - c. Phase II clinical trials
 - d. Phase III clinical trials
- 6. What ethical consideration is important in the field of marine pharmacology?**
 - a. Overfishing of marine organisms
 - b. Use of synthetic chemicals in drug development
 - c. Rapid extraction of bioactive compounds
 - d. Marine pollution
- 7. Which book provides insights into the trends and applications of marine pharmacognosy?**
 - a. "Marine Biochemistry"




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- b. "Marine Pharmacognosy: Trends and Applications"
 - c. "Oceanography and Marine Biology"
 - d. "Introduction to Marine Science"
8. What is an essential factor for sustainable practices in marine pharmacology?
- a. Rapid extraction of marine compounds
 - b. Responsible research practices
 - c. Indiscriminate use of marine resources
 - d. Disregard for biodiversity
9. Which marine organism is known for producing compounds with potential antiviral properties?
- a. Sea urchins
 - b. Marine bacteria
 - c. Sea anemones
 - d. Crustaceans
10. In pharmacological screening, what does "in vitro" refer to?
- a. Testing on human subjects
 - b. Testing on animals
 - c. Testing in a controlled laboratory setting
 - d. Testing in the natural marine environment

B. B. Meherjyothi
Course Coordinator

M. Pavani
HOD

Dr. M. PAVANI, M.Pharm, Ph.D.
Professor

Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



[Signature]
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Date : 17-04-2023 to 24-04-2023
No. of Students Enrolled : 106
Subject : "Crude Drugs from Marine Corridor Resources"
II B. Pharmacy

S. No	Roll No	Student Name
1	21T51R0001	AgnihotramVenkata Satya SrividyaPavitra
2	21T51R0002	AkulaRamya
3	21T51R0003	Alluri Nandini
4	21T51R0004	Ambati Sai Kumar
5	21T51R0005	Amit Kumar Rabidas
6	21T51R0006	Anurag Mishra
7	21T51R0007	ArangiManasa
8	21T51R0008	ArnipalliSindhuja
9	21T51R0009	Ayesha Parveen
10	21T51R0010	BavisettiMahalakshmi
11	21T51R0011	BommanaAnusha
12	21T51R0012	Botcha Gayathri
13	21T51R0013	ChallaInduAlekhya
14	21T51R0014	ChallaJagadish
15	21T51R0015	ChepalaKalyani
16	21T51R0016	ChiguruvalasaKarthik
17	21T51R0017	Chintada Ajay
18	21T51R0018	ChinthadaDeepika
19	21T51R0019	ChillaDeepthi

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20	21T51R0020	Dara Chandini
21	21T51R0021	DubasiTanuja
22	21T51R0022	DwarapudiNagamani
23	21T51R0023	Galla Gayathri Prasanna
24	21T51R0024	Gandhavarapu Sujatha
25	21T51R0025	GavaraLavanya
26	21T51R0026	Gedela Dinesh Kumar
27	21T51R0027	Goddiy Y V K Sai Lakshmi
28	21T51R0028	TurakaBindusri
29	21T51R0029	GorleHarshitha Naidu
30	21T51R0030	GudiaKalia
31	21T51R0031	HanumanthuRachanaSree
32	21T51R0032	JagarapuSwapna
33	21T51R0033	JakinikilaMadhaviLatha
34	21T51R0034	Jaya SreeVadamodalu
35	21T51R0035	Jeeru Mohan
36	21T51R0036	KallaPallavi
37	21T51R0037	KanetiMohankrishna
38	21T51R0038	KanitiJayashree
39	21T51R0039	KankipatiDharaveni
40	21T51R0040	Kantamsetti Mary
41	21T51R0041	KathilaAmrutha



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42	21T51R0042	KollaAbhilash
43	21T51R0043	Kolusu Salome
44	21T51R0044	KorlapuSrinivasarao
45	21T51R0045	Kota Deekshitha
46	21T51R0046	Kuna Yamini
47	21T51R0047	L Girish Kumar Reddy
48	21T51R0048	LukulapuNikhitha
49	21T51R0049	LikithaSamantula
50	21T51R0050	MahanthiVijaya Lakshmi
51	21T51R0051	MajjiSailaja
52	21T51R0052	Majji Aruna
53	21T51R0053	MajjiGopiPriya
54	21T51R0054	Majji Rani
55	21T51R0055	Maliki Uma Mahesh
56	21T51R0056	Mandala Sowjanya
57	21T51R0057	ManukondaJyotshna
58	21T51R0058	MarajuAtchutHemanth
59	21T51R0059	MeesalaPrabha
60	21T51R0060	MogasalaBhagyalakshmi
61	21T51R0061	Musinana Siri Varshini
62	21T51R0062	Nammi Surya VasantaNikhitha
63	21T51R0063	NishatParveen



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64	21T51R0064	Paila Sharon Sowmya
65	21T51R0065	Pakeeru Yogeswara Rao
66	21T51R0066	Palla Anupama
67	21T51R0067	Pamarthi Raja
68	21T51R0068	Panthadi Nandini
69	21T51R0069	Patta Keerthana
70	21T51R0070	Peketi Satyanarayana
71	21T51R0071	Penki Sheersha
72	21T51R0072	Pentakota Suresh
73	21T51R0073	Penumaka Sunil
74	21T51R0074	Pilla Vasavi
75	21T51R0075	Pinakana Pavan
76	21T51R0076	Poosarla Gayathri
77	21T51R0077	Pothala Hyma
78	21T51R0078	Pothamsetti Swetha Priya
79	21T51R0079	Potnuru Sreepriya
80	21T51R0080	Rambariki Lokesh
81	21T51R0081	Rokkam Kathyayani
82	21T51R0082	Safira Nayak
83	21T51R0083	Sanapathi Yosepu
84	21T51R0084	Setti Sri Ganesh Lova Sathya Pavan
85	21T51R0085	Simhadri Manikanta



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86	21T51R0086	SimmaNeelima
87	21T51R0087	SirikiReethika
88	21T51R0088	SiriyalaPujitha
89	21T51R0089	SiyyadriPushpaLatha
90	21T51R0090	Srikakulam Lekha Sri
91	21T51R0091	SnehaKrihna Pradhan
92	21T51R0092	TammaanaBhavitha
93	21T51R0093	Tangula Trisha Bhargavi
94	21T51R0094	TarraJahnavi
95	21T51R0095	TentuSivaprasad
96	21T51R0096	TirumareddyLeela Krishna
97	21T51R0097	Toleti Sanjay
98	21T51R0098	UttaravilliJagadeesh
99	21T51R0099	ValurouthuNehasri
100	21T51R00A0	VankaPadmaja
101	21T51R00A1	VaradiAppalaraju
102	21T51R00A2	Vemulavalasa Sai Keerthi
103	21T51R00A3	VeturuDeepika
104	21T51R00A4	Yasaswani Devi Simma
105	21T51R00A5	Yerninti Sanyasi Babu
106	21T51R00A6	Gadam Jhansi Laxmi

B. Meher jyothi
Course Coordinator



Dr. M. PAVANI
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M. PAVANI
M.Pharm, Ph.D.
Professor
HOD



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The students of 2nd year B. Pharmacy certificate program attending “**CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES**” by the Associate Professor Mr. A. Nanaji.

B. Yeharjyothi
Course Coordinator



M. Pawan
Dr. M. PAVANI, M.Pharm, Ph.D.
HOD

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Date : 17-04-2023 to 24-04-2023

Subject : "Crude drugs from Marine Corridor Recourses"

II B. Pharmacy

S.No	Roll No.	Student Name	17/04/23	18/04/23	19/04/23	20/04/23	21/04/23	24/04/23
1	21T51R0001	Agnihotram Venkata Satya Srividya Pavitra	✓	✓	✓	✓	✓	✓
2	21T51R0002	Akula Ramya	A	✓	✓	✓	✓	A
3	21T51R0003	Alluri Nandini	✓	✓	✓	✓	A	✓
4	21T51R0004	Ambati Sai Kumar	✓	✓	✓	A	✓	✓
5	21T51R0005	Amit Kumar Rabidas	✓	✓	A	✓	✓	A
6	21T51R0006	Anurag Mishra	✓	A	✓	✓	✓	✓
7	21T51R0007	Arangi Manasa	✓	✓	✓	✓	A	✓
8	21T51R0008	Arnipalli Sindhuja	✓	✓	✓	A	✓	✓
9	21T51R0009	Ayesha Parveen	✓	A	✓	✓	✓	A
10	21T51R0010	Bavisetti Mahalakshmi	✓	✓	✓	✓	✓	✓
11	21T51R0011	Bommana Anusha	A	✓	✓	✓	✓	A
12	21T51R0012	Botcha Gayathri	✓	✓	✓	✓	✓	✓
13	21T51R0013	Challa Indu Alekhya	✓	✓	✓	A	✓	✓
14	21T51R0014	Challa Jagadish	A	✓	✓	✓	✓	✓
15	21T51R0015	Chepala Kalyani	✓	✓	✓	A	✓	✓
16	21T51R0016	Chiguruvalasa Karthik	✓	A	A	✓	✓	A
17	21T51R0017	Chintada Ajay	A	✓	✓	✓	A	✓
18	21T51R0018	Chinthada Deepika	A	✓	✓	✓	✓	A
19	21T51R0019	Chilla Deepthi	✓	✓	✓	A	✓	✓
20	21T51R0020	Dara Chandini	✓	A	✓	✓	A	✓
21	21T51R0021	Dubasi Tanuja	A	✓	✓	A	✓	✓

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ESTD : 2005

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22	21T51R0022	Dwarapudi Nagamani	✓	A	✓	✓	A	✓
23	21T51R0023	Galla Gayathri Prasanna	A	✓	✓	A	✓	✓
24	21T51R0024	Gandhavarapu Sujatha	✓	✓	A	A	✓	A
25	21T51R0025	Gavara Lavanya	✓	✓	✓	✓	✓	✓
26	21T51R0026	Gedela Dinesh Kumar	✓	✓	✓	A	A	✓
27	21T51R0027	Goddiy Y V K Sai Lakshmi	✓	✓	✓	A	✓	✓
28	21T51R0028	Turaka Bindusri	✓	A	✓	✓	✓	✓
29	21T51R0029	Gorle Harshitha Naidu	✓	✓	✓	✓	✓	A
30	21T51R0030	Gudia Kalia	A	✓	✓	✓	✓	✓
31	21T51R0031	Hanumanthu Rachana Sree	✓	✓	✓	✓	A	✓
32	21T51R0032	Jagarapu Swapna	✓	✓	A	✓	✓	✓
33	21T51R0033	Jakinikila Madhavi Latha	✓	✓	✓	✓	A	✓
34	21T51R0034	Jaya Sree Vadamodalu	✓	✓	✓	A	✓	✓
35	21T51R0035	Jeeru Mohan	✓	✓	✓	✓	✓	✓
36	21T51R0036	Kalla Pallavi	✓	✓	✓	✓	✓	✓
37	21T51R0037	Kaneti Mohankrishna	✓	A	A	✓	✓	✓
38	21T51R0038	Kaniti Jayashree	A	✓	✓	✓	✓	✓
39	21T51R0039	Kankipati Dharaveni	✓	A	✓	✓	✓	✓
40	21T51R0040	Kantamsetti Mary	✓	✓	✓	A	✓	✓
41	21T51R0041	Kathila Amrutha	✓	✓	✓	✓	A	✓
42	21T51R0042	Kolla Abhilash	✓	✓	✓	A	✓	✓
43	21T51R0043	Kolusu Salome	A	✓	✓	✓	A	✓
44	21T51R0044	Korlapu Srinivasarao	✓	✓	A	A	A	A

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45	21T51R0045	Kota Deekshitha	A	✓	✓	A	✓	✓
46	21T51R0046	Kuna Yamini	✓	A	✓	✓	A	✓
47	21T51R0047	L Girish Kumar Reddy	✓	✓	A	✓	✓	A
48	21T51R0048	Lukulapu Nikhitha	A	✓	✓	✓	✓	✓
49	21T51R0049	Likitha Samantula	✓	✓	✓	✓	A	✓
50	21T51R0050	Mahanthi Vijaya Lakshmi	✓	✓	✓	A	✓	✓
51	21T51R0051	Majji Sailaja	✓	✓	A	✓	✓	A
52	21T51R0052	Majji Aruna	✓	✓	✓	✓	✓	✓
53	21T51R0053	Majji Gopi Priya	✓	✓	A	✓	✓	✓
54	21T51R0054	Majji Rani	✓	✓	✓	A	✓	✓
55	21T51R0055	Maliki Uma Mahesh	✓	A	A	✓	A	✓
56	21T51R0056	Mandala Sowjanya	✓	✓	✓	✓	✓	✓
57	21T51R0057	Manukonda Jyotshna	A	✓	✓	✓	✓	✓
58	21T51R0058	Maraju Atchut Hemanth	✓	✓	✓	✓	A	✓
59	21T51R0059	Meesala Prabha	✓	✓	A	✓	✓	✓
60	21T51R0060	Mogasala Bhagyalakshmi	✓	✓	✓	A	✓	✓
61	21T51R0061	Musinana Siri Varshini	✓	✓	✓	✓	✓	A
62	21T51R0062	Nammi Surya Vasanta Nikhitha	✓	✓	✓	A	✓	✓
63	21T51R0063	Nishat Parveen	✓	✓	✓	✓	A	✓
64	21T51R0064	Paila Sharon Sowmya	✓	✓	A	✓	A	✓
65	21T51R0065	Pakeeru Yogeswara Rao	✓	✓	✓	A	✓	✓
66	21T51R0066	Palla Anupama	✓	A	✓	✓	✓	✓
67	21T51R0067	Pamarthi Raja	✓	✓	✓	✓	✓	A

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68	21T51R0068	Panthadi Nandini	✓	✓	✓	A	✓	✓
69	21T51R0069	Patta Keerthana	✓	✓	A	✓	A	✓
70	21T51R0070	Peketi Satyanarayana	✓	✓	✓	✓	✓	✓
71	21T51R0071	Penki Sheersha	✓	✓	✓	✓	✓	✓
72	21T51R0072	Pentakota Suresh	✓	A	✓	✓	✓	✓
73	21T51R0073	Penumaka Sunil	✓	✓	✓	A	✓	A
74	21T51R0074	Pilla Vasavi	✓	✓	✓	✓	✓	✓
75	21T51R0075	Pinakana Pavan	✓	✓	A	A	A	A
76	21T51R0076	Poosarla Gayathri	✓	✓	✓	✓	✓	✓
77	21T51R0077	Pothala Hyma	✓	✓	✓	A	✓	✓
78	21T51R0078	Pothamsetti Swetha Priya	A	✓	✓	✓	A	✓
79	21T51R0079	Potnuru Sreepriya	✓	✓	✓	✓	✓	✓
80	21T51R0080	Rambariki Lokesh	✓	✓	✓	✓	✓	✓
81	21T51R0081	Rokkam Kathyayani	✓	A	✓	✓	A	A
82	21T51R0082	Safira Nayak	✓	✓	✓	A	✓	✓
83	21T51R0083	Sanapathi Yosepu	✓	✓	A	✓	✓	✓
84	21T51R0084	Setti Sri Ganesh Lova Sathya Pavan	✓	✓	✓	✓	A	A
85	21T51R0085	Simhadri Manikanta	✓	✓	✓	A	✓	✓
86	21T51R0086	Simma Neelima	✓	A	✓	✓	A	✓
87	21T51R0087	Siriki Reethika	✓	✓	✓	A	✓	✓
88	21T51R0088	Siriyala Pujitha	A	✓	✓	✓	✓	✓
89	21T51R0089	Siyyadri Pushpa Latha	✓	✓	A	✓	A	✓
90	21T51R0090	Srikakulam Lekha Sri	✓	✓	✓	✓	✓	A

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91	21T51R0091	Sneha Krihna Pradhan	✓	✓	A	✓	✓	✓
92	21T51R0092	Tammana Bhavitha	A	✓	✓	✓	A	A
93	21T51R0093	Tangula Trisha Bhargavi	✓	✓	✓	✓	✓	✓
94	21T51R0094	Tarra Jahnavi	✓	✓	✓	✓	A	✓
95	21T51R0095	Tentu Sivaprasad	✓	✓	✓	A	✓	✓
96	21T51R0096	Tirumareddy Leela Krishna	✓	✓	✓	✓	✓	✓
97	21T51R0097	Toleti Sanjay	A	A	A	✓	✓	✓
98	21T51R0098	Uttaravilli Jagadeesh	✓	✓	A	✓	✓	✓
99	21T51R0099	Valurouthu Nehasri	✓	✓	✓	✓	✓	✓
100	21T51R00A0	Vanka Padmaja	✓	✓	✓	✓	✓	✓
101	21T51R00A1	Varadi Appalaraju	✓	✓	✓	✓	A	A
102	21T51R00A2	Vemulavalasa Sai Keerthi	✓	✓	✓	A	✓	✓
103	21T51R00A3	Veturu Deepika	✓	✓	✓	✓	✓	✓
104	21T51R00A4	Yasaswani Devi Simma	✓	✓	✓	✓	A	✓
105	21T51R00A5	Yerninti Sanyasi Babu	✓	✓	✓	✓	✓	✓
106	21T51R00A6	Gadam Jhansi Laxmi	A	✓	✓	✓	✓	A
107	20T51R0017	Boosa Vara Naveen Reddy	A	A	A	A	A	A

B. Meher Jyothi
Course Coordinator

H. Pavani
HOD
Avanthi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist



H. Pavani
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Date : 17-04-2023 to 24-04-2023
No. of Students Enrolled : 106
Subject : "Crude Drugs from Marine Corridor Resources"
II B. Pharmacy

S.No	Roll No	Student Name	No. of classes Attended	% of classes Attended
1	21T51R0001	Agnihotram Venkata Satya Srividya Pavitra	36	100%
2	21T51R0002	Akula Ramya	24	66%
3	21T51R0003	Alluri Nandini	30	83%
4	21T51R0004	Ambati Sai Kumar	30	83%
5	21T51R0005	Amit Kumar Rabidas	24	66%
6	21T51R0006	Anurag Mishra	30	83%
7	21T51R0007	ArangiManasa	30	83%
8	21T51R0008	Arnipalli Sindhuja	30	83%
9	21T51R0009	Ayesha Parveen	24	66%
10	21T51R0010	Bavisetti Mahalakshmi	36	100%
11	21T51R0011	Bommana Anusha	24	66%
12	21T51R0012	Botcha Gayathri	36	100%
13	21T51R0013	Challa Indu Alekhya	30	83%
14	21T51R0014	Challa Jagadish	30	83%
15	21T51R0015	Chepala Kalyani	30	83%
16	21T51R0016	Chiguruvalasa Karthik	18	50%
17	21T51R0017	Chintada Ajay	24	66%



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18	21T51R0018	Chinthada Deepika	24	66%
19	21T51R0019	Chilla Deepthi	30	83%
20	21T51R0020	Dara Chandini	24	66%
21	21T51R0021	Dubasi Tanuja	24	66%
22	21T51R0022	Dwarapudi Nagamani	24	66%
23	21T51R0023	Galla Gayathri Prasanna	24	66%
24	21T51R0024	Gandhavarapu Sujatha	18	50%
25	21T51R0025	Gavara Lavanya	36	100%
26	21T51R0026	Gedela Dinesh Kumar	24	66%
27	21T51R0027	Goddiy Y V K Sai Lakshmi	30	83%
28	21T51R0028	Turaka Bindusri	30	83%
29	21T51R0029	Gorle Harshitha Naidu	30	83%
30	21T51R0030	Gudia Kalia	30	83%
31	21T51R0031	Hanumanthu Rachana Sree	30	83%
32	21T51R0032	Jagarapu Swapna	30	83%
33	21T51R0033	Jakinikila Madhavi Latha	30	83%
34	21T51R0034	Jaya Sree Vadamodalu	30	83%
35	21T51R0035	Jeeru Mohan	36	100%
36	21T51R0036	Kalla Pallavi	36	100%
37	21T51R0037	Kaneti Mohankrishna	24	66%
38	21T51R0038	Kaniti Jayashree	30	83%
39	21T51R0039	Kankipati Dharaveni	30	83%

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40	21T51R0040	Kantamsetti Mary	36	83%
41	21T51R0041	Kathila Amrutha	30	83%
42	21T51R0042	Kolla Abhilash	24	66%
43	21T51R0043	Kolusu Salome	12	33%
44	21T51R0044	Korlapu Srinivasarao	24	66%
45	21T51R0045	Kota Deekshitha	24	66%
46	21T51R0046	Kuna Yamini	24	66%
47	21T51R0047	L Girish Kumar Reddy	30	83%
48	21T51R0048	Lukulapu Nikhitha	30	83%
49	21T51R0049	Likitha Samantula	30	83%
50	21T51R0050	Mahanthi Vijaya Lakshmi	24	66%
51	21T51R0051	Majji Sailaja	36	100%
52	21T51R0052	Majji Aruna	30	83%
53	21T51R0053	MajjiGopiPriya	30	83%
54	21T51R0054	Majji Rani	18	50%
55	21T51R0055	Maliki Uma Mahesh	36	100%
56	21T51R0056	Mandala Sowjanya	36	100%
57	21T51R0057	Manukonda Jyotshna	30	83%
58	21T51R0058	Maraju Atchut Hemanth	30	83%
59	21T51R0059	Meesala Prabha	30	83%
61	21T51R0061	Musinana Siri Varshini	30	83%
62	21T51R0062	Nammi Surya Vasanta Nikhitha	30	83%



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63	21T51R0063	Nishat Parveen	30	83%
64	21T51R0064	Paila Sharon Sowmya	24	66%
65	21T51R0065	Pakeeru Yogeswara Rao	24	66%
66	21T51R0066	Palla Anupama	24	66%
67	21T51R0067	Pamarthi Raja	30	83%
68	21T51R0068	Panthadi Nandini	30	83%
69	21T51R0069	Patta Keerthana	24	66%
70	21T51R0070	Peketi Satyanarayana	36	100%
71	21T51R0071	Penki Sheersha	36	100%
72	21T51R0072	Pentakota Suresh	30	83%
73	21T51R0073	Penumaka Sunil	30	83%
74	21T51R0074	Pilla Vasavi	36	100%
75	21T51R0075	Pinakana Pavan	12	33%
76	21T51R0076	Poosarla Gayathri	36	100%
77	21T51R0077	Pothala Hyma	30	83%
78	21T51R0078	Pothamsetti Swetha Priya	24	66%
79	21T51R0079	Potnuru Sreepriya	36	100%
80	21T51R0080	Rambariki Lokesh	36	100%
81	21T51R0081	Rokkam Kathyayani	18	50%
82	21T51R0082	Safira Nayak	30	83%
83	21T51R0083	Sanapathi Yosepu	30	83%
84	21T51R0084	Setti Sri Ganesh Lova Sathya Pavan	24	66%



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85	21T51R0085	Simhadri Manikanta	30	83%
86	21T51R0086	Simma Neelima	24	66%
87	21T51R0087	Siriki Reethika	30	83%
88	21T51R0088	Siriyala Pujitha	30	83%
90	21T51R0090	Srikakulam Lekha Sri	24	66%
91	21T51R0091	Sneha Krihna Pradhan	30	83%
92	21T51R0092	Tammana Bhavitha	30	83%
93	21T51R0093	Tangula Trisha Bhargavi	18	50%
94	21T51R0094	Tarra Jahnavi	30	83%
95	21T51R0095	Tentu Sivaprasad	24	66%
96	21T51R0096	Tirumareddy Leela Krishna	36	100%
97	21T51R0097	Toleti Sanjay	18	50%
98	21T51R0098	Uttaravilli Jagadeesh	30	83%
99	21T51R0099	Valurouthu Nehasri	36	100%
100	21T51R00A0	Vanka Padmaja	36	100%
101	21T51R00A1	Varadi Appalaraju	24	66%
102	21T51R00A2	Vemulavalasa Sai Keerthi	30	83%
103	21T51R00A3	Veturu Deepika	36	100%
104	21T51R00A4	Yasaswani Devi Simma	30	83%
105	21T51R00A5	Yerninti Sanyasi Babu	36	100%
106	21T51R00A6	Gadam Jhansi Laxmi	24	66%

B. Meharajothi
Course Coordinator



M. PAVANI
PRINCIPAL

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Dr. M. PAVANI, M.Pharm, Ph.D.

M. PAVANI
HOD

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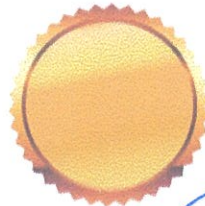
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Certificate of Completion

This is to certify that Mr/Ms **TIRUMAREDDY LEELA KRISHNA** bearing roll no. 21T51R0096 pursuing II B Pharmacy has successfully completed Value Added Course on **“CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES”** held from 17-04-2023 to 24-04-2023 .


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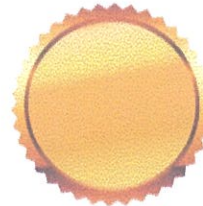
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Certificate of Completion

This is to certify that Mr/Ms **TOLETI SANJAY** bearing roll no. 21T51R0097 pursuing
II B Pharmacy has successfully completed Value Added Course on
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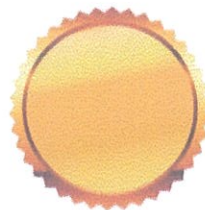
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Certificate of Completion

This is to certify that Mr/Ms **UTTARAVILLI JAGADEESH** bearing roll no. 21T51R0098
pursuing
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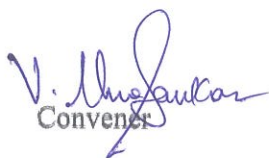
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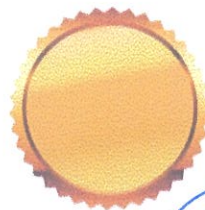
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This is to certify that Mr/Ms **VALUROUTHU NEHASRI** bearing roll no. 21T51R0099 pursuing II B Pharmacy has successfully completed Value Added Course on **“CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES”** held from 17-04-2023 to 24-04-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **VANKA PADMAJA** bearing roll no. 21T51R00A0 pursuing II B Pharmacy has successfully completed Value Added Course on
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Certificate of Completion

This is to certify that Mr/Ms **YERNINTI SANYASI BABU** bearing roll no. 21T51R00A5
pursuing

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Certificate of Completion

This is to certify that Mr/Ms **GADAM JHANSI LAXMI** bearing roll no. 21T51R00A6 pursuing II B Pharmacy has successfully completed Value Added Course on “**CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES**” held from 17-04-2023 to 24-04-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **SIMMA NEELIMA** bearing roll no. 21T51R0086 pursuing
II B Pharmacy has successfully completed Value Added Course on
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V. Anusarkon
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Certificate of Completion

This is to certify that Mr/Ms **SIRIKI REETHIKA** bearing roll no. 21T51R0087 pursuing
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Certificate of Completion

This is to certify that Mr/Ms **SIRIYALA PUJITHA** bearing roll no. 21T51R0088 pursuing II B Pharmacy has successfully completed Value Added Course on “**CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES**” held from 17-04-2023 to 24-04-2023 .

V. Anjan Kumar
Convener



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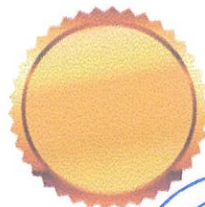
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This is to certify that Mr/Ms **SIYYADRI PUSHPA LATHA** bearing roll no. 21T51R0089
pursuing
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V. Anjan Kumar
Convener



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Certificate of Completion

This is to certify that Mr/Ms **TENTU SIVAPRASAD** bearing roll no. 21T51R0095 pursuing II B Pharmacy has successfully completed Value Added Course on “**CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES**” held from 17-04-2023 to 24-04-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **SAFIRA NAYAK** bearing roll no. 21T51R0082 pursuing II B Pharmacy has successfully completed Value Added Course on “**CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES**” held from 17-04-2023 to 24-04-2023 .


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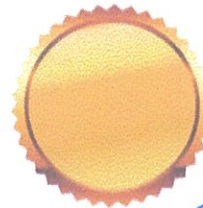
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Certificate of Completion

This is to certify that Mr/Ms **POOSARLA GAYATHRI** bearing roll no. 21T51R0076 pursuing
II B Pharmacy has successfully completed Value Added Course on
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held from 17-04-2023 to 24-04-2023 .

V. Anusavkar
Convener



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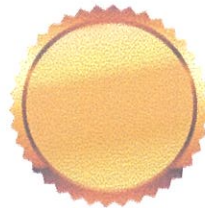
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Certificate of Completion

This is to certify that Mr/Ms **PENKI SHEERSHA** bearing roll no. 21T51R0071 pursuing
II B Pharmacy has successfully completed Value Added Course on
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held from 17-04-2023 to 24-04-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **PEKETI SATYANARAYANA** bearing roll no. 21T51R0070
pursuing II B Pharmacy has successfully completed Value Added Course on
"CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES"
held from 17-04-2023 to 24-04-2023 .

V. N. Sankar
Convener



[Signature]
Principal

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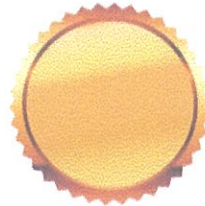
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Certificate of Completion

This is to certify that Mr/Ms **PATTA KEERTHANA** bearing roll no. 21T51R0069 pursuing
II B Pharmacy has successfully completed Value Added Course on
“**CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES**”
held from 17-04-2023 to 24-04-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **KUNA YAMINI** bearing roll no. 21T51R0046 pursuing
II B Pharmacy has successfully completed Value Added Course on
“**CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES**”
held from 17-04-2023 to 24-04-2023 .

V. Manoj Kumar
Convener



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Certificate of Completion

This is to certify that Mr/Ms **KOTA DEEKSHITHA** bearing roll no. 21T51R0045 pursuing
II B Pharmacy has successfully completed Value Added Course on
“**CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES**”
held from 17-04-2023 to 24-04-2023 .

V. Mune Sankar
Convener



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Certificate of Completion

This is to certify that Mr/Ms **AGNIHOTRAM VENKATA SATYA SRIVIDYA PAVITRA** bearing roll no. 21T51R0001 pursuing II B Pharmacy has successfully completed Value Added Course on **“CRUDE DRUGS FROM MARINE CORRIDOR RESOURCES”** held from 17-04-2023 to 24-04-2023 .


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DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2022-23/12

Date: 10-05-2023

CIRCULAR

This is to inform all the students of third year B. Pharm that a value-added course will be conducted on the topic “**Cardiovascular Drugs as alternative to surgical procedures**” from 22/05/2023 to 27/05/2023. Interested students are required to sign-up for the above-mentioned course with “**Mrs. M. Madhavi Kumari**” Associate Professor at Avanthi Institute of Pharmaceutical sciences.




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Institution

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Route Map



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Chairperson, AIPS

Patron

Dr. M.B.V.Raju, Principal, AIPS

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V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate Professor

Resource Person

Mrs. M. Madhavi Kumari,
Associate Professor,



Avanthy Institute of
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Organizing Committee

Mr. Vamsi Krishna Yadav, Assistant Professor

Mr. B. YerniKumar, Assistant Professor

Dr. N.Hema Madhuri, Assistant Professor

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host institute

6 Days Workshop

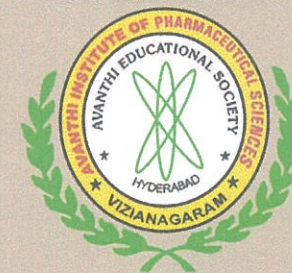
On

Cardiovascular drugs as alternative to surgical procedures

22/05/2023 - 27/05/2023

Organized By:

DEPARTMENT OF
PHARMACY



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Course Title	: Cardiovascular drugs as Alternative to Surgical Procedure
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Mrs. M. Madhavi Kumari, Associate Professor
Course Coordinator	: Dr. N. Hema Madhuri, Assistant Professor
Dates	: 22-05-2023 to 27-05-2023
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/ Pharm. D/2022/12

Objectives:

- Understanding cardiovascular anatomy and physiology
- To treat arterial hypertension
- To treat hyperlipidemia
- Ethical and legal considerations
- Vasodilators and heart failure medicines

Outcomes:

- Patient assessment
- Cardiac events
- Drug administration competence
- Drugs for treatment of different CVDs




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Syllabus

1. Introduction to Cardiovascular System and Pharmacology

- a. Overview of Cardiovascular System
 - Anatomy and physiology of the heart and blood vessels
 - Overview of common cardiovascular diseases
- b. Pharmacology Basics
 - Introduction to pharmacokinetics and pharmacodynamics
 - Drug classification and mechanisms of action

2. Antihypertensive Agents

- a. Diuretics
 - Thiazide diuretics
 - Loop diuretics
 - Potassium-sparing diuretics
- b. Beta-Blockers
 - Mechanism of action
 - Clinical applications
 - Adverse effects and contraindications
- c. Calcium Channel Blockers
 - Types and mechanisms
 - Clinical uses in hypertension and angina
 - Adverse effects
- d. ACE Inhibitors and ARBs
 - Angiotensin-converting enzyme inhibitors
 - Angiotensin II receptor blockers
 - Applications in hypertension and heart failure

3. Antiarrhythmic Agents

- a. Class I Antiarrhythmics
 - Sodium channel blockers
 - Clinical applications and limitations
- b. Class II Antiarrhythmics
 - Beta-adrenergic blockers
 - Role in arrhythmia management
- c. Class III Antiarrhythmics
 - Potassium channel blockers
 - Clinical uses and risks
- d. Class IV Antiarrhythmics
 - Calcium channel blockers
 - Application in arrhythmias




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4. Antiplatelet and Anticoagulant Agents

a. Antiplatelet Drugs

- Aspirin
- Clopidogrel
- Clinical uses and bleeding risks

b. Anticoagulant Drugs

- Heparin
- Warfarin
- Direct oral anticoagulants (DOACs)

5. Vasodilators and Heart Failure Medications

a. Nitroglycerin and Other Organic Nitrates

- Mechanism of action
- Clinical uses in angina

b. Hydralazine and Minoxidil

- Vasodilators for hypertension
- Heart Failure Medications

c. ACE inhibitors, ARBs, and beta-blockers

- Diuretics and aldosterone antagonists
- Inotropic agents

6. Emerging Therapies and Case Studies

a. New and Experimental Cardiovascular Drugs

- Overview of recent developments
- Potential alternatives to surgery

b. Case Studies

- Analysis of real-world cases where drug therapy served as an alternative to surgery

N. Hema Indira
Course Coordinator



M. PAVANI
HOD

Dr. M. PAVANI, M.Pharm, Ph.D.
Professor

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TIMETABLE

CLASS: III B. PHARMACY

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Cardiovascular drugs as Alternative to Surgical Procedure	Break	Cardiovascular drugs as Alternative to Surgical Procedure	Lunch	Cardiovascular drugs as Alternative to Surgical Procedure	Cardiovascular drugs as Alternative to Surgical Procedure	Break	Cardiovascular drugs as Alternative to Surgical Procedure	Cardiovascular drugs as Alternative to Surgical Procedure
TUE									
WED									
THU									
FRI									
SAT									

CLASS: III PHARM. D

DAY/TIME	9:30-11:10	11:10-11:20	11:20-12:00	12:10-1:00	1:00-1:50	1:50-2:40	2:40-2:50	2:50-3:30	3:30-4:20.
MON	Cardiovascular drugs as Alternative to Surgical Procedure	Break	Cardiovascular drugs as Alternative to Surgical Procedure	Lunch	Cardiovascular drugs as Alternative to Surgical Procedure	Cardiovascular drugs as Alternative to Surgical Procedure	Break	Cardiovascular drugs as Alternative to Surgical Procedure	Cardiovascular drugs as Alternative to Surgical Procedure
TUE									
WED									
THU									
FRI									
SAT									

A. Heman

Muduru

Course Coordinator

Dr. M. PAVANI, p.pavani
Professor

HOD



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Reference book: Opie's cardiovascular drugs-A companion to Braun Wald's Heart Disease, 9th edition.

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	22-05-2023	6hrs	1. Introduction to Cardiovascular System and Pharmacology c. Overview of Cardiovascular System <ul style="list-style-type: none">Anatomy and physiology of the heart and blood vesselsOverview of common cardiovascular diseases d. Pharmacology Basics <ul style="list-style-type: none">Introduction to pharmacokinetics and pharmacodynamicsDrug classification and mechanisms of action
2.		23-05-2023	6hrs	2. Antihypertensive Agents e. Diuretics <ul style="list-style-type: none">Thiazide diureticsLoop diureticsPotassium-sparing diuretics f. Beta-Blockers <ul style="list-style-type: none">Mechanism of actionClinical applicationsAdverse effects and contraindications g. Calcium Channel Blockers <ul style="list-style-type: none">Types and mechanismsClinical uses in hypertension and anginaAdverse effects h. ACE Inhibitors and ARBs <ul style="list-style-type: none">Angiotensin-converting enzyme inhibitorsAngiotensin II receptor blockers



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				<ul style="list-style-type: none">• Applications in hypertension and heart failure
3.		24-05-2023	6hrs	3. Antiarrhythmic Agents <ul style="list-style-type: none">e. Class I Antiarrhythmics<ul style="list-style-type: none">• Sodium channel blockers• Clinical applications and limitationsf. Class II Antiarrhythmics<ul style="list-style-type: none">• Beta-adrenergic blockers• Role in arrhythmia managementg. Class III Antiarrhythmics<ul style="list-style-type: none">• Potassium channel blockers• Clinical uses and risksh. Class IV Antiarrhythmics<ul style="list-style-type: none">• Calcium channel blockers• Application in arrhythmias
4.		25-05-2023	6hrs	4. Antiplatelet and Anticoagulant Agents <ul style="list-style-type: none">c. Antiplatelet Drugs<ul style="list-style-type: none">• Aspirin• Clopidogrel• Clinical uses and bleeding risksd. Anticoagulant Drugs<ul style="list-style-type: none">• Heparin• Warfarin• Direct oral anticoagulants (DOACs)
5.		26-05-2023	6hrs	5. Vasodilators and Heart Failure Medications <ul style="list-style-type: none">d. Nitroglycerin and Other Organic Nitrates<ul style="list-style-type: none">• Mechanism of action• Clinical uses in anginae. Hydralazine and Minoxidil<ul style="list-style-type: none">• Vasodilators for hypertension• Heart Failure Medicationsf. ACE inhibitors, ARBs, and beta-blockers



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				<ul style="list-style-type: none">• Diuretics and aldosterone antagonists• Inotropic agents
6.		27-05-2023	6hrs	<p>6. Emerging Therapies and Case Studies</p> <p>a. New and Experimental Cardiovascular Drugs</p> <ul style="list-style-type: none">• Overview of recent developments• Potential alternatives to surgery <p>b. Case Studies</p> <ul style="list-style-type: none">• Analysis of real-world cases where drug therapy served as an alternative to surgery

N. Hemar

Member:

Course Coordinator

M. Pavani

Dr. M. PAVANI, **HOD**
Professor

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Assessment:

- Heterocyclic rings present in Pilocarpine**
 - Imidazole & Quinolone
 - Imidazole & Thiazole
 - Quinolone & Phenanthrene
 - Imidazole & Dihydrofuran
- Phenoxybenzamine can be prepared from**
 - Phenol & Propylene oxide
 - 3- Phenyl Propanol
 - Phthalic anhydride
 - β - Phenyl succinic acid
- The key intermediates for the synthesis of Timolol are**
 - 3, 4- Dichloro-1, 2, 5-thiadiazole and morpholine
 - 3, 4-Dichloro – 1,2, 5-thiadiazole and piper zine
 - 3,4 – Dibromo-1,2,5 thiadiazole and piper zine
 - 3- Chloro1,2,3- thiadiazole and morpholine
- The structural feature common in side chain of propranolol, atenolol, pindolol, metoprolol**
 - Isopropyl amino propan-2-ol
 - Dimethyl amino propan-2-ol
 - Diethyl amino propan-2-ol
 - Dibutylamino propan-2-ol
- Which of the following ACE inhibitors is not a prodrug?**
 - Benzepiril
 - Captopril
 - Quinapril
 - Ramipril
- Include the drug, Nifedipine, under proper classification**
 - Quinoline derivative
 - Aryl piperidine
 - Isoquinoline derivative
 - Pyridine derivative
- Identify diuretic with structure similar to that of antihypertensive agent Diaz oxide**
 - Acetazolamide
 - Chlorthalidone
 - Spiranolactone
 - Furosemide




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8. A metabolite of spironolactone is
 - a. Aldosterone
 - b. Canrenone
 - c. Corticosterone
 - d. Pregnenolone
9. The anti-arrhythmic drug quinidine is
 - a. (+) stereoisomer of quinine
 - b. (-) stereoisomer of quinine
 - c. (\pm) racemic mixture of quinine
 - d. None of the Above
10. Choose the correct name for digitoxigenin
 - a. $3\beta,14\beta,16\beta$ – trihydroxycardenolide
 - b. $3\beta,12\beta,14\beta$ – trihydroxycardenolide
 - c. $3\beta,14\beta$ – dihydroxycardenolide
 - d. None of the Above

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Course Coordinator

M. Pavani

Dr. M. PAVANI, M.Pharm, Ph.D.
Professor
HOD

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Date : 22-05-2023 to 27-05-2023
No. of Students Enrolled : 26
Subject : "Cardiovascular drugs as Alternative to Surgical Procedure"
I Pharm. D

S. No	Roll No.	Student Name
1	22T51T0001	Adduri Mohitha Bhavani
2	22T51T0002	Balireddy Pallavi
3	22T51T0003	Bandaru Dhakshayani
4	22T51T0004	Bandhru Balayasaswini
5	22T51T0005	Bantu Palli Padmini(MpcStream)
6	22T51T0006	Bethapu Dhyanesh
7	22T51T0007	Chetti Sowjanya
8	22T51T0008	Gade Pushpalatha
9	22T51T0009	Godaba Venkata Sai Pranathi
10	22T51T0010	Gunupuru Chandana
11	22T51T0011	Guttula Nandu
12	22T51T0012	Harshita Mesh
13	22T51T0013	Kesani Priyanka
14	22T51T0014	Koyya Tejasree
15	22T51T0015	Madabattula Yogitha
16	22T51T0016	Meena Sri Kalaga
17	22T51T0017	Metta Ratnamallika
18	22T51T0018	Nandavarapu Abhishek




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19	22T51T0019	Nelapati Gnana Ratna
20	22T51T0020	Pechetti Umesh
21	22T51T0021	Pogiri Sowjanya
22	22T51T0022	Pragada Rishitha Priyanka
23	22T51T0023	Sakuru Bhuvana Chandrika
24	22T51T0024	Sampathirao Haritha
25	22T51T0025	Sampathrao Vasudha
26	22T51T0026	Setty Kavitha

N. Hema
Hema
Course Coordinator

M. Pavani
M. PAVANI, M.HOD, Ph.D.
Professor
Avanthi Institute of Pharmaceutical Sciences
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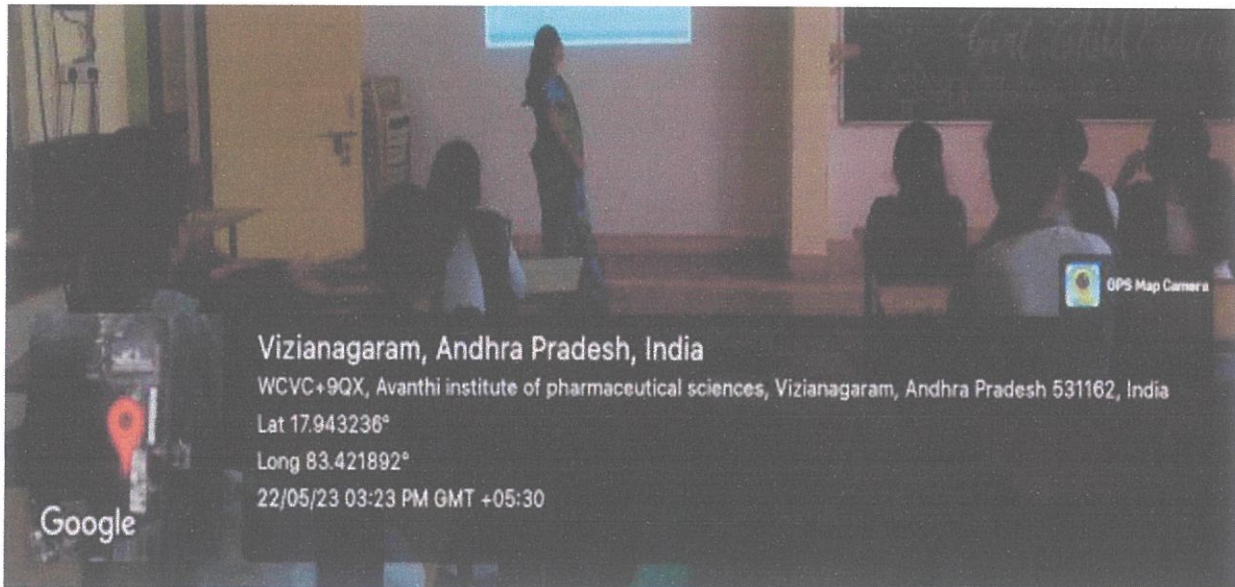
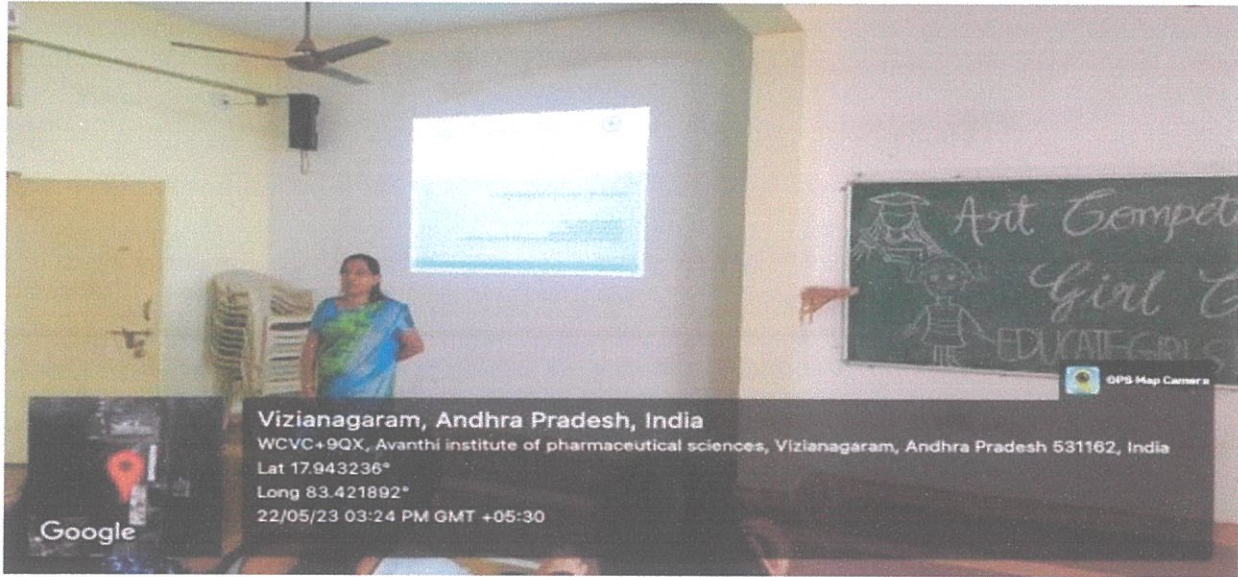
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The students of 1st year Pharm. D certificate program attending “**CARDIOVASCULAR DRUGS AS ALTERNATIVE TO SURGICAL PROCEDURE**” by the Associate Professor Mrs. M. Madhavi Kumari

N. Heman
Indira
Course Coordinator

Dr. M. PAVANI, M.Pharm, Ph.D.
HOD

Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal,
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Date : 22-05-2023 to 27-05-2023

Subject : "Cardiovascular Drugs as Alternative to Surgical Procedure" I Pharm. D

S. No	Roll No.	Student Name	22/05/23	23/05/23	24/05/23	25/05/23	26/05/23	27/05/23
1	22T51T0001	Adduri Mohitha Bhavani	✓	✓	✓	✓	✓	✓
2	22T51T0002	Balireddy Pallavi	✓	✓	A	✓	A	✓
3	22T51T0003	Bandaru Dhakshayani	✓	A	✓	✓	✓	✓
4	22T51T0004	Bandhru Balayasawini	✓	✓	✓	A	✓	✓
5	22T51T0005	BantuPalli Padmini (MPC Stream)	A	✓	✓	✓	✓	A
6	22T51T0006	Bethapu Dhyanesh	✓	✓	✓	✓	A	✓
7	22T51T0007	Chetti Sowjanya	✓	✓	✓	A	✓	✓
8	22T51T0008	Gade Pushpalatha	✓	✓	A	✓	✓	✓
9	22T51T0009	GodabaVenkata Sai Pranathi	✓	A	✓	✓	✓	✓
10	22T51T0010	Gunupuru Chandana	✓	✓	✓	✓	✓	A
11	22T51T0011	Guttula Nandu	A	✓	✓	✓	A	✓
12	22T51T0012	Harshita Mesh	✓	✓	A	A	✓	✓
13	22T51T0013	Kesani Priyanka	✓	✓	✓	✓	✓	✓
14	22T51T0014	Koyya Tejasree	✓	A	✓	✓	A	✓
15	22T51T0015	Madabattula Yogitha	✓	✓	✓	✓	✓	✓
16	22T51T0016	Meena Sri Kalaga	A	✓	A	✓	✓	✓
17	22T51T0017	Metta Ratnamallika	✓	✓	✓	A	✓	A
18	22T51T0018	Nandavarapu Abhishek	✓	✓	✓	✓	✓	✓
19	22T51T0019	Nelapati Gnana Ratna	✓	✓	✓	✓	✓	✓
20	22T51T0020	Pechetti Umesh	✓	✓	✓	✓	✓	✓



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21	22T51T0021	Pogiri Sowjanya	✓	✓	✓	✓	✓	✓
22	22T51T0022	Pragada Rishitha Priyanka	✓	✓	✓	✓	A	✓
23	22T51T0023	Sakuru Bhuvana Chandrika	A	✓	A	✓	✓	A
24	22T51T0024	Sampathirao Haritha	✓	✓	✓	✓	✓	✓
25	22T51T0025	Sampathrao Vasudha	✓	A	✓	✓	A	✓
26	22T51T0026	Setty Kavitha	✓	✓	✓	A	✓	✓

N. Hema Madhuri
Course Coordinator

V. M. Sankar
HOD

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CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist

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Date : 22-05-2023 to 27-05-2023
No. of Students Enrolled : 26
Subject : "Cardiovascular drugs as Alternative to Surgical Procedure"
I Pharm. D

S. No	Roll No.	Student Name	No. of classes Attended	% of classes Attended
1	22T51T0001	Adduri Mohitha Bhavani	36	100%
2	22T51T0002	Balireddy Pallavi	24	66%
3	22T51T0003	Bandaru Dhakshayani	30	83%
4	22T51T0004	Bandhru Balayasaaswini	30	83%
5	22T51T0005	Bantu Palli Padmini(MpcStream)	24	66%
6	22T51T0006	Bethapu Dhyanesha	30	83%
7	22T51T0007	Chetti Sowjanya	30	83%
8	22T51T0008	Gade Pushpalatha	30	83%
9	22T51T0009	Godaba Venkata Sai Pranathi	30	83%
10	22T51T0010	Gunupuru Chandana	30	83%
11	22T51T0011	Guttula Nandu	24	66%
12	22T51T0012	Harshita Mesh	24	66%
13	22T51T0013	Kesani Priyanka	36	100%
14	22T51T0014	Koyya Tejasree	24	66%
15	22T51T0015	Madabattula Yogitha	36	100%
16	22T51T0016	Meena Sri Kalaga	24	66%
17	22T51T0017	Metta Ratnamallika	24	66%




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18	22T51T0018	Nandavarapu Abhishek	36	100%
19	22T51T0019	Nelapati Gnana Ratna	36	100%
20	22T51T0020	Pechetti Umesh	36	100%
21	22T51T0021	Pogiri Sowjanya	36	100%
22	22T51T0022	Pragada Rishitha Priyanka	30	83%
23	22T51T0023	Sakuru Bhuvana Chandrika	18	50%
24	22T51T0024	Sampathirao Haritha	36	100%
25	22T51T0025	Sampathrao Vasudha	24	66%
26	22T51T0026	Setty Kavitha	30	83%

N. Heman

Induri

Course Coordinator

Dr. M. PAVANI, M.Pharm
Profes HOD

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Certificate of Completion

This is to certify that Mr/Ms **AMIREDDY PRIYANKA**
bearing roll no. 20T51T0001 pursuing III Pharm D has successfully completed Value Added Course on
"CARDIOVASCULAR DRUGS AS ALTERNATIVE TO SURGICAL PROCEDURES"
held from 22-05-2023 to 27-05-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **CHILLA ANITHA REDDY**
bearing roll no. 20T51T0006 pursuing III Pharm D has successfully completed Value Added Course on
"CARDIOVASCULAR DRUGS AS ALTERNATIVE TO SURGICAL PROCEDURES"
held from 22-05-2023 to 27-05-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **DANTUKURTI LALITHA**
bearing roll no. 20T51T0007 pursuing III Pharm D has successfully completed Value Added Course on
“CARDIOVASCULAR DRUGS AS ALTERNATIVE TO SURGICAL PROCEDURES”
held from 22-05-2023 to 27-05-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **KOTANA ANOOHYA**
bearing roll no. 20T51T0013 pursuing III Pharm D has successfully completed Value Added Course on
"CARDIOVASCULAR DRUGS AS ALTERNATIVE TO SURGICAL PROCEDURES"
held from 22-05-2023 to 27-05-2023 .


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Certificate of Completion

This is to certify that Mr/Ms **MOHAMMED AARIFA MUSHRAFI RIZVI**
bearing roll no. 20T51T0016 pursuing III Pharm D has successfully completed Value Added Course on
"CARDIOVASCULAR DRUGS AS ALTERNATIVE TO SURGICAL PROCEDURES"
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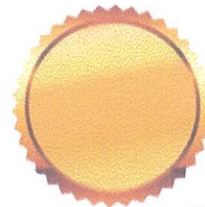
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Certificate of Completion

This is to certify that Mr/Ms **PEDADA SINDHUJA**
bearing roll no. 20T51T0017 pursuing III Pharm D has successfully completed Value Added Course on
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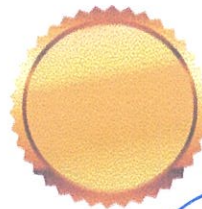
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Certificate of Completion

This is to certify that Mr/Ms **PILLA LIKITHA SATYA GANGA SIVANI** bearing roll no. 20T51T0018 pursuing III Pharm D has successfully completed Value Added Course on **"CARDIOVASCULAR DRUGS AS ALTERNATIVE TO SURGICAL PROCEDURES"** held from 22-05-2023 to 27-05-2023 .


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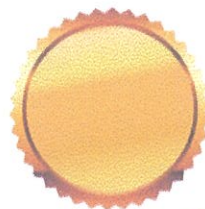
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Certificate of Completion

This is to certify that Mr/Ms **PUPPALA SOWMYA**
bearing roll no. 20T51T0019 pursuing III Pharm D has successfully completed Value Added Course on
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Certificate of Completion

This is to certify that Mr/Ms **VURIVITI PAVANI**
bearing roll no. 20T51T0023 pursuing III Pharm D has successfully completed Value Added Course on
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Certificate of Completion

This is to certify that Mr/Ms **PYLA UPENDRA**
bearing roll no. 20T51T0024 pursuing III Pharm D has successfully completed Value Added Course on
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