



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in


1.2.2: Number of add on / certificate programs offered during academic year: 2021- 2022.

1.2.2: Number of students enrolled in certificate / add on programs as against the total number of students during the year: 2021- 2022.

INDEX

S.No	Description	Page No
1	Regulatory compliance in pharmacy practice	2-18
2	Strategies, intervention and pharmacy's role in managing communicable diseases.	19-42
3	Fluid dynamics in pharmacy, navigating the stream of pharmaceutical liquids	43-87
4	Herbal medicine and alternative therapies	88-108
5	Mastering medication therapy management.	109-129
6	Statistical softwares used in pharmacy practice	130-170
7	A detailed study of Bio – assay in drug development and quality assurance	171-204
8	Holistic approaches to green pharmacy practice	205-233
9	Critical thinking and problem solving skills	234-258
10	Pharmacy automation and robotics	259-281
11	Immunotherapy in oncology	282-301




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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/01

Date: 11-10-2021

CIRCULAR

This is to inform all the students of 4TH Pharm D that a value-added course will be conducted on the topic “regulatory compliance in pharmacy practice” from 18/10/2021 to 23/10/2021. Interested students are required to sign-up for the above-mentioned course with “**Mrs. D. PURNIMA YADAV**” Associate Professor in the Department of Pharmacy.



[Signature]
Principal
PRINCIPAL

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

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 JNTUK, Kakinada 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. D. Purnima Yadav,
Associate Professor,



Avanthi Institute of
Pharmaceutical
Sciences.

Organizing Committee

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

Dr. V. C. Randeep, 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

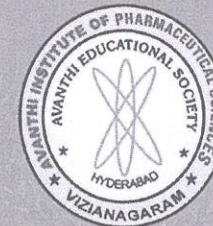
On

Regulatory Compliance in Pharmacy Practice

18/10/2021 - 23/10/2021

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.K,
KAKINADA)

CHERUKUPALLY (VILLAGE), NEAR
TAGARAPUVALASA BRIDGE,
BHOOGAPURAM(MANDAL), VIZIANAGARAM
-531162.

www.avanthipharma.ac.in



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Course Title	: Regulatory compliance in pharmacy practice
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-22
Course Instructor	: Mrs. Purnima Yadav, Associate Professor
Course Coordinator	: Dr. B. Manoj Kumar, Associate Professor
Dates	: 18-10-2021 to 23-10-2021
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2021/01

Objectives:

- Patient safety
- Legal compliance
- Collaborations
- Documentations
- Adherence to regulations

Out comes:

- Quality pharmaceutical services
- Accurate prescription dispensing
- Patient counseling
- Privacy protection
- Emergency preparedness
- Ethical conduct


PRINCIPAL

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





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Syllabus

- 1. Introduction to Regulatory compliance in pharmacy:**
 - Introduction
 - History
 - Importance
 - Regulatory bodies
 - Legal framework
 - Licensing

- 2. Medication storage, handling and dispensing:**
 - Good Pharmacy Practices (GCP)
 - Medication storage guidelines
 - Dispensing process and workflow
 - Prevention of medication errors
 - Case studies

- 3. Patient safety and counseling:**
 - Medication safety measures
 - Patient counseling techniques
 - Addressing patients concerns and questions
 - Promoting medication adherences

- 4. Privacy, confidentiality and record - keeping:**
 - HIPA Act
 - Patient privacy
 - Record – keeping requirements
 - Electronic health records (EHR)
 - Compliance audits

- 5. Controlled substances and DEA compliance:**
 - Drug enforcement administration overview
 - Controlled substance scheduling
 - DEA registration
 - Prescription requirements
 - Preventing diversion and misuse



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

6. Emergency preparedness and ethical conduct:

- Emergency response plans
- Crisis management
- Ethics in pharmacy
- Collaborations with other health care providers

Course Coordinator

HOD

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

PRINCIPAL

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





ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

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	Regulatory compliance in pharmacy practice	Break	Regulatory compliance in pharmacy practice	Lunch	Regulatory compliance in pharmacy practice	Regulatory compliance in pharmacy practice	Break	Regulatory compliance in pharmacy practice	Regulatory compliance in pharmacy practice
TUE									
WED									
THU									
FRI									
SAT									


Course Coordinator


HOD

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


PRINCIPAL

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





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	18-10-2021	6hrs	1. Introduction to Regulatory compliance in pharmacy: <ul style="list-style-type: none">• Introduction• History• Importance• Regulatory bodies• Legal framework• Licensing
2.		19-10-2021	6hrs	2. Medication storage, handling and dispensing: <ul style="list-style-type: none">• Good Pharmacy Practices (GCP)• Medication storage guidelines• Dispensing process and workflow• Prevention of medication errors• Case studies
3.		20-10-2021	6hrs	3. Patient safety and counseling: <ul style="list-style-type: none">• Medication safety measures• Patient counseling techniques• Addressing patients concerns and questions• Promoting medication adherences
4.		21-10-2021	6hrs	4. Privacy, confidentiality and record - keeping: <ul style="list-style-type: none">• HIPA Act• Patient privacy• Record – keeping requirements• Electronic health records (EHR)• Compliance audits
5.		22-10-2021		





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

				administration overview <ul style="list-style-type: none">• Controlled substance scheduling• DEA registration• Prescription requirements• Preventing diversion and misuse
6.		23-10-2021	6hrs	6. Emergency preparedness and ethical conduct: <ul style="list-style-type: none">• Emergency response plans• Crisis management• Ethics in pharmacy• Collaborations with other health care providers


Course Coordinator


HOD

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




PRINCIPAL

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

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 18-10-2021 to 23-10-2021

No. of Students: 22

Subject : "Regulatory Compliance in pharmacy practice"

IV 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
19	18T51T0022	Sagari Srinivasarao
20	18T51T0024	Udandarao Meghana
21	18T51T0025	Vana Swathi Priya
22	18T51T0026	Yellabilli Naveen Babu

B. Hanu

Course Coordinator



V. Mangankar
PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

Avanthi Institute of Pharmaceutical Sciences

V. Mangankar
HOD

Avanthi Institute of Pharmaceutical Science:

CHERUKUPALLY (V)

CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

ESTD : 2005

Date : 18-10-2021 to 23-10-2021

No. of Students: 22

Subject : "Regulatory Compliance in pharmacy practice"

IV Pharm. D

S. No	Roll No.	Student Name	18/10/21	19/10/21	20/10/21	21/10/21	22/10/21	23/10/21
1	18T51T0002	Bammidi Tushara	✓	✓	✓	✓	✓	✓
2	18T51T0003	Bammidi Jaya Surya	✓	✓	✓	✓	✓	✓
3	18T51T0004	Boddu Kirthana	✓	A	✓	✓	A	✓
4	18T51T0005	Bonala Jaya Radha Madhavi	✓	✓	✓	✓	✓	✓
5	18T51T0006	Bonela Meghana	✓	✓	✓	✓	✓	✓
6	18T51T0007	Boodidha Pravallika	✓	✓	✓	✓	✓	✓
7	18T51T0008	Doddi Anusha	✓	✓	A	✓	✓	✓
8	18T51T0009	Gollapalli Eswari	✓	✓	✓	✓	✓	A
9	18T51T0011	Kuramana Sneha	A	✓	✓	A	✓	✓
10	18T51T0012	Lakhinana Krishna Priya	✓	✓	✓	✓	✓	✓
11	18T51T0013	Lakkoju Satish Kumar Achari	✓	✓	✓	✓	✓	✓
12	18T51T0015	Malla Jnaapika	✓	A	✓	✓	✓	✓
13	18T51T0016	Mamidi Sireesha	✓	✓	A	✓	✓	✓
14	18T51T0017	Nuka Himabindu	✓	✓	✓	✓	✓	A
15	18T51T0018	Olireddi Deepthi	✓	✓	✓	✓	A	✓
16	18T51T0019	Patnana Vikas	A	✓	✓	✓	✓	✓
17	18T51T0020	Peer Mahamoodha	✓	✓	✓	✓	✓	✓
18	18T51T0021	Rallapalli Pydi Venkata Satya Sai Prasanth	✓	✓	✓	✓	✓	✓
19	18T51T0022	Sagari Srinivasarao	✓	✓	✓	✓	✓	✓
20	18T51T0024	Udandarao Meghana	✓	A	✓	✓	✓	✓
21	18T51T0025	Vana Swathi Priya	✓	✓	✓	✓	✓	✓
22	18T51T0026	Yellabilli Naveen Babu	✓	✓	✓	✓	✓	✓

B. Hanu
Course Coordinator



PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram (M)

Vizianagaram Dist., -531162

V. Uma Shankar
HOD

Avanathi Institute of Pharmaceutical Sciences

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



ESTD - 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 18-10-2021 to 23-10-2021

No. of Students: 22

Subject : "Regulatory Compliance in pharmacy practice"

IV Pharm. D

S. No	Roll No.	Student Name	No. of Classes attended	% of Classes attended
1	18T51T0002	Bammidi Tushara	36	100%
2	18T51T0003	Bammidi Jaya Surya	36	100%
3	18T51T0004	Boddu Kirthana	24	66%
4	18T51T0005	Bonala Jaya Radha Madhavi	36	100%
5	18T51T0006	Bonela Meghana	36	100%
6	18T51T0007	Boodidha Pravallika	36	100%
7	18T51T0008	Doddi Anusha	30	83%
8	18T51T0009	Gollapalli Eswari	30	83%
9	18T51T0011	Kuramana Sneha	24	66%
10	18T51T0012	Lakhinana Krishna Priya	36	100%
11	18T51T0013	Lakkoju Satish Kumar Achari	36	100%
12	18T51T0015	Malla Jnaapika	30	83%
13	18T51T0016	Mamidi Sireesha	30	83%
14	18T51T0017	Nuka Himabindu	30	83%
15	18T51T0018	Olireddi Deepthi	30	83%
16	18T51T0019	Patnana Vikas	30	83%
17	18T51T0020	Peer Mahamoodha	36	100%
18	18T51T0021	Rallapalli Pydi Venkata Satya Sai Prasanth	36	100%
19	18T51T0022	Sagari Srinivasarao	36	100%
20	18T51T0024	Udandarao Meghana	30	83%
21	18T51T0025	Vana Swathi Priya	36	100%
22	18T51T0026	Yellabilli Naveen Babu	36	100%

B. Manu
Course Coordinator



[Signature]
PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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

V. Uma Sankar
HOD

Avanthi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITTIVALASA S.O.

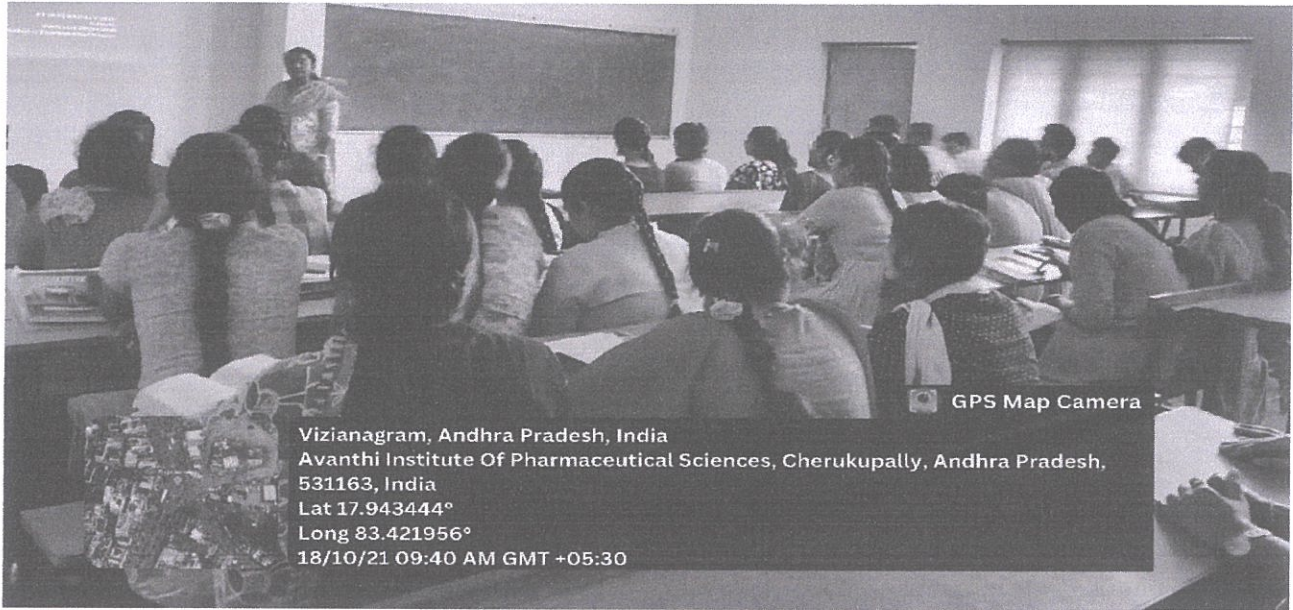
Bhogapuram (M), Vizianagaram Dist



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

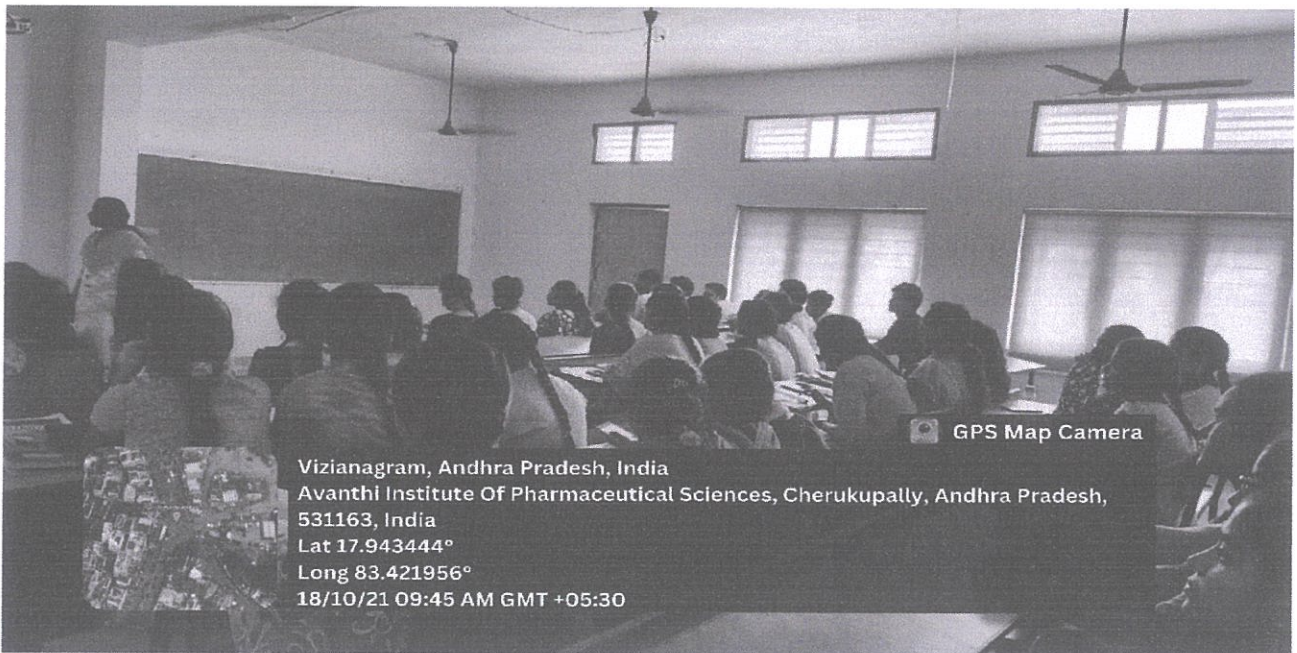
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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



GPS Map Camera

Vizianagaram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
18/10/21 09:40 AM GMT +05:30




GPS Map Camera

Vizianagaram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
18/10/21 09:45 AM GMT +05:30


The students of 4th year Pharm. D certificate program attending “REGULATORY COMPLIANCE IN PHARMACY PRACTICE” by the Associate Professor, Mrs. Purnima Yadav.


Course Coordinator




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

Avanathi Institute of Pharmaceutical Sciences


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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

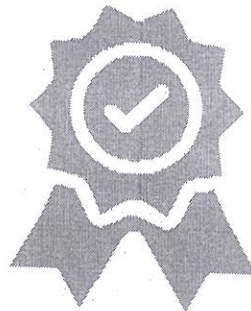
This is presented to:

OLJREDDJ DEEPTHI

Bearing roll, no **18T51T0018** pursuing **IV Pharm D** has successfully completed value added course on
“REGULATORY COMPLIANCE IN PHARMACY PRACTICE”
held from 18-10-2021 to 23-10-2021 .

V. Unnabakar

Convener



dv

Principal

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

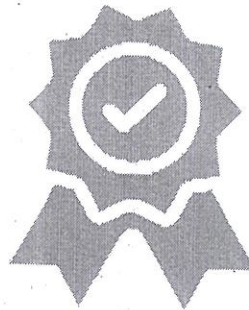
This is presented to:

PATNANA VJKAS

Bearing roll, no **18T51T0019** pursuing **IV Pharm D** has successfully completed value added course on
“REGULATORY COMPLIANCE IN PHARMACY PRACTICE”
held from 18-10-2021 to 23-10-2021 .

V. UmaSankar

Convener



[Signature]

Principal

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





ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

PEER MAHAMOODHA

Bearing roll, no **18T51T0020** pursuing **IV Pharm D** has successfully completed value added course on
“REGULATORY COMPLIANCE IN PHARMACY PRACTICE”
held from 18-10-2021 to 23-10-2021 .

V. UmgaSankar

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

RALLAPALLI PYDJ VENKATA

Bearing roll, no 18T51T0021 pursuing IV Pharm D has successfully completed value added course on
“REGULATORY COMPLIANCE IN PHARMACY PRACTICE”
held from 18-10-2021 to 23-10-2021 .

V. Umagankar

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

SAGARJ SRJNJVASARAO

Bearing roll, no **18T51T0022** pursuing **IV Pharm D** has successfully completed value added course on
“REGULATORY COMPLIANCE IN PHARMACY PRACTICE”
held from 18-10-2021 to 23-10-2021 .

V. Uma Sankar

Convener



[Signature]

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/02

Date: 22-11-2021

CIRCULAR

This is to inform all the students of first-year B. Pharm that a value-added course will be conducted on the topic “Strategies, intervention and pharmacies role in managing communicable diseases” from 29/11/2021 to 04/12/2021. Interested students are required to sign-up for the above-mentioned course with “**Mrs. B. MEHER JYOTHI**” Assistant Professor in the Department of Pharmacy.



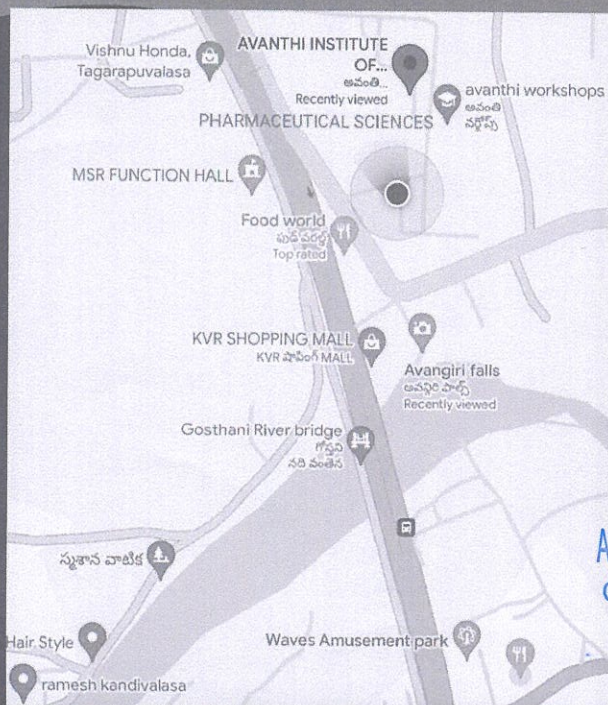
Principal
Principal
PRINCIPAL

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

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. Meher Jyothi,
Assistant Professor,



Avanthi Institute of
Pharmaceutical
Sciences.

Organizing Committee

Mrs. A H V Santhoshi, Associate Professor

Mrs. B Poornima, Associate Professor

Mr. A Naga Srinivas, Associate Professor

Principal

Avanthi Institute of Pharmaceutical Sciences

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

6 Days Workshop

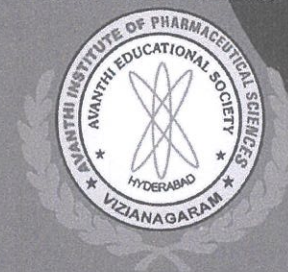
On

Strategies, Intervention & Pharmacy role in managing Communicable diseases

29/11/2021 - 04/12/2021

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.GV., VIZIANAGARAM)

CHERUKUPALLY (VILLAGE), NEAR
TAGARAPUVALASA BRIDGE,
BHOGAPURAM(MANDAL), VIZIANAGARAM
-531162.

www.avanthipharma.ac.in





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Course Title	: Strategies, Intervention and Pharmacy's role in Managing Communicable diseases
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-2022
Course Instructor	: Mrs. B. Mehar Jyothi, Assistant Professor
Course Coordinator	: Mrs. Y. Pavani, Assistant Professor
Dates	: 29-11-2021 to 04-12-2021
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2021/02


Objectives:

- Understand Communicable Diseases
- Pharmacy's Role in Disease Management
- Implement Preventive Strategies
- Collaborate with Healthcare Providers
- Promote Medication Adherence
- Implement Screening and Testing Programs
- Dispense and Manage Antimicrobial Medications
- Address Stigma and Misinformation
- Contribute to Outbreak Preparedness
- Provide Timely Information

Out comes:

- Improved Disease Prevention
- Enhanced Patient Education
- Effective Medication Management
- Community Engagement and Collaboration
- Reduction in Disease Transmission
- Minimized Stigma
- Timely Response to Outbreaks
- Contribution to Public Health
- Improved Healthcare Access
- Data-Driven Decision-Making




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

ESTD : 2005

Syllabus

1. Introduction to Communicable Diseases

- Definition and classification of communicable diseases
- Epidemiology and global impact
- Notifiable diseases and surveillance systems

2. Public Health Principles and Pharmacy Practice

- Principles of public health in pharmacy
- Role of pharmacy in disease prevention
- Collaboration with healthcare providers and public health agencies

3. Immunization Programs and Vaccines

- Overview of immunization strategies
- Vaccine development and administration
- Role of pharmacists in vaccine education and promotion

4. Antimicrobial Stewardship

- Rational use of antimicrobial medications
- Dispensing and counselling on antibiotics
- Strategies to prevent antibiotic resistance

5. Screening and Testing Programs

- Design and implementation of screening programs
- Point-of-care testing in pharmacy
- Confidentiality and reporting requirements

6. Outbreak Preparedness and Response

- Development of outbreak preparedness plans
- Pharmacy's role during disease outbreaks
- Ensuring medication availability and supply chain management

Y. Parvati
Course Coordinator



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

J. M.
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

ESTD : 2005

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	Strategies, Intervention and Pharmacy's role in Managing Communicable diseases	Break	Strategies, Intervention and Pharmacy's role in Managing Communicable diseases	Lunch	Strategies, Intervention and Pharmacy's role in Managing Communicable diseases	Strategies, Intervention and Pharmacy's role in Managing Communicable diseases	Break	Strategies, Intervention and Pharmacy's role in Managing Communicable diseases	Strategies, Intervention and Pharmacy's role in Managing Communicable diseases
TUE									
WED									
THU									
FRI									
SAT									

Y. Parvati
Course Coordinator

N. Neelina
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Reference Book: "Control of Communicable Diseases Manual" by David L. Heymann.

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	29-11-2021	6hrs	1. Introduction to Communicable Diseases <ul style="list-style-type: none">• Definition and classification of communicable diseases• Epidemiology and global impact• Notifiable diseases and surveillance systems
2.		30-11-2021	6hrs	2. Public Health Principles and Pharmacy Practice <ul style="list-style-type: none">• Principles of public health in pharmacy• Role of pharmacy in disease prevention• Collaboration with healthcare providers and public health agencies
3.		01-12-2021	6hrs	3. Immunization Programs and Vaccines <ul style="list-style-type: none">• Overview of immunization strategies• Vaccine development and administration• Role of pharmacists in vaccine education and promotion
4.		02-12-2021	6hrs	4. Antimicrobial Stewardship <ul style="list-style-type: none">• Rational use of antimicrobial medications• Dispensing and counselling on antibiotics• Strategies to prevent antibiotic resistance



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

5.		03-12-2021	6hrs	5. Screening and Testing Programs <ul style="list-style-type: none">• Design and implementation of screening programs• Point-of-care testing in pharmacy• Confidentiality and reporting requirements
6.		04-12-2021	6hrs	6. Outbreak Preparedness and Response <ul style="list-style-type: none">• Development of outbreak preparedness plans• Pharmacy's role during disease outbreaks• Ensuring medication availability and supply chain management

Y. Parvathi
Course Coordinator

N. Neelima
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

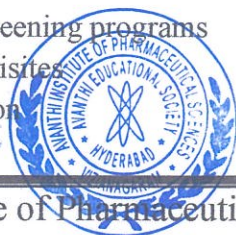
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

ESTD : 2005

Assessment:

1. **What is the essential focal point of drug store experts in overseeing transmittable sicknesses?**
 - a. Giving careful mediations
 - b. Apportioning meds as it were
 - c. Avoidance, the board, and control
 - d. Authoritative errands in medical services settings
2. **With regards to transferable illnesses, what is the job of drug store in vaccination programs?**
 - a. Fabricating antibodies
 - b. Appropriating antibodies as it were
 - c. Teaching and controlling immunizations
 - d. Leading research facility tests for immunization viability
3. **What is antimicrobial stewardship, and for what reason is it significant in drug store practice?**
 - a. Antimicrobial assembling process
 - b. Guaranteeing appropriate utilization of antimicrobial drugs
 - c. Selling antimicrobials over the counter
 - d. Expanding the expense of antimicrobial medications
4. **How could drug stores add to episode readiness?**
 - a. By expanding drug costs during episodes
 - b. Creating and carrying out readiness plans
 - c. Restricting the accessibility of meds
 - d. Overlooking announcing prerequisites
5. **What is the term for the act of utilizing meds just when vital and suitable to work on quiet results and lessen the gamble of unfriendly occasions?**
 - a. Antimicrobial stewardship
 - b. Vaccination program
 - c. Episode the executives
 - d. Purpose in care testing
6. **With regards to transmittable illnesses, what is the meaning of reason behind care testing in drug store?**
 - a. Distinguishing possible flare-ups
 - b. Directing antibodies
 - c. Checking medicine adherence
 - d. Leading huge scope lab tests
7. **How does drug store add to screening and testing programs for transmittable infections?**
 - a. Giving drugs without testing
 - b. Planning and carrying out screening programs
 - c. Disregarding secrecy prerequisites
 - d. Barring people group inclusion



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



VANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

8. **What is a vital part of coordinated effort among drug store and medical care suppliers in overseeing transferable sicknesses?**
 - a. Keeping away from correspondence to keep up with protection
 - b. Keeping data from patients
 - c. Planning care and sharing data
 - d. Restricting admittance to meds
9. **During a flare-up, what is a vital obligation of drug stores in guaranteeing prescription accessibility?**
 - a. Storing drugs for benefit
 - b. Executing flood estimating
 - c. Creating and following readiness plans
 - d. Restricting admittance to meds during crises
10. **What is the essential objective of drug store's job in overseeing transferable sicknesses?**
 - a. Expanding benefit
 - b. Further developing local area wellbeing
 - c. Segregating impacted people
 - d. Overlooking announcing prerequisites

Y. Parvati
Course Coordinator

N. Neelima
HOD

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



J.M.
PRINCIPAL
Avanathi Institute of Pharmaceutical Science
Cherukupally (V), Bhogapuram Manda
Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 29-11-2021 to 04-12-2021
No. of Students Enrolled : 22
Subject : Strategies, Intervention and Pharmacy's role in Managing Communicable diseases II Pharm. D

S. No	Roll No.	Student Name
1	20T51T0001	Amireddy Priyanka
2	20T51T0002	Arabolu Rohitha
3	20T51T0003	Balantrapu Kavya Sri
4	20T51T0004	Charakani Gowthami
5	20T51T0005	Chavali Aruna kumari
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	Pilla Likitha Satya Ganga Sivani
17	20T51T0019	Puppala S...
18	20T51T0020	Swetha ...



[Signature]
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

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

Y. Pavani
Course Coordinator

N. Neelina
HOD

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



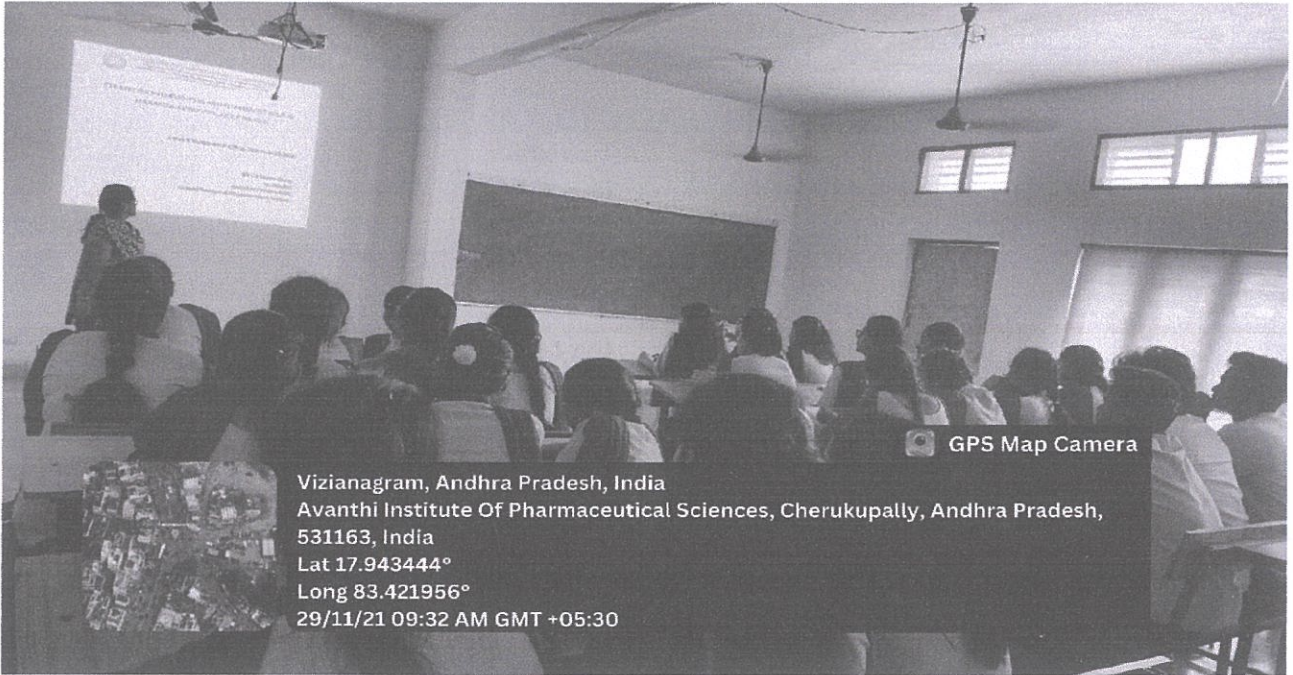
J. Meera
PRINCIPAL
Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



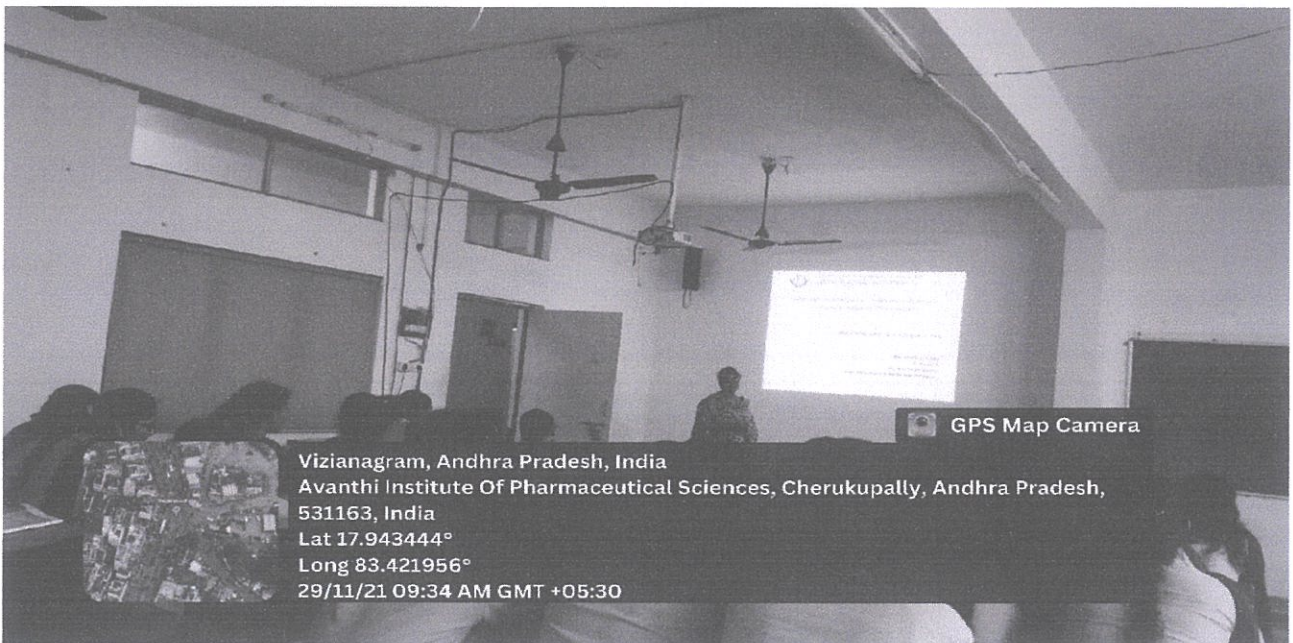
AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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



Vizianagaram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
29/11/21 09:32 AM GMT +05:30



Vizianagaram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
29/11/21 09:34 AM GMT +05:30

The students of 2nd year Pharm. D certificate program attending “STRATEGIES, INTERVENTION AND PHARMACY'S ROLE IN MANAGING COMMUNICABLE DISEASES” by the Assistant Professor Mrs. B. Mehar Jyothi

Y. Pavan
Course Coordinator



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

Avanathi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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


Date : 29-11-2021 to 04-12-2021

Subject : Strategies, Intervention and Pharmacy's role in Managing Communicable diseases II Pharm. D

S. No	Roll No.	Student Name	29/11/21	30/11/21	01/12/21	02/12/21	03/12/21	04/12/21
1	20T51T0001	Amireddy Priyanka	A	✓	✓	✓	✓	✓
2	20T51T0002	Arabolu Rohitha	✓	✓	A	✓	✓	A
3	20T51T0003	Balantrapu Kavya Sri	✓	✓	✓	A	✓	✓
4	20T51T0004	Charakani Gowthami	A	A	A	A	A	A
5	20T51T0005	Chavali Aruna kumari	✓	✓	✓	✓	✓	✓
6	20T51T0006	Chilla Anitha Reddy	✓	✓	✓	✓	A	✓
7	20T51T0007	Dantukurti Lalitha	✓	✓	✓	A	✓	A
8	20T51T0008	Doddi Sai Jyothi Poojitha	A	✓	✓	✓	✓	✓
9	20T51T0009	Gedda Tarun	✓	✓	A	✓	A	✓
10	20T51T0010	Gompa Varshini	✓	✓	✓	A	✓	A
11	20T51T0011	Guravana Sireesha	A	A	✓	✓	✓	✓
12	20T51T0012	Kanuri Sai Lavanya	✓	✓	✓	✓	A	✓
13	20T51T0013	Kotana Anoohya	✓	A	✓	A	✓	A
14	20T51T0016	Mohammed Aarifa Mushrafi Rizvi	A	✓	✓	✓	✓	✓
15	20T51T0017	Pedada Sindhuja	✓	✓	✓	✓	A	✓
16	20T51T0018	Pilla Likitha Satya Ganga Sivani	✓	✓	✓	A	✓	A
17	20T51T0019	Puppala Sowmya	✓	A	✓	✓	✓	✓

Avanathi Institute of Pharmaceutical Sciences




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

18	20T51T0020	Swetha Sri Sahu	✓	✓	✓	✓	A	✓
19	20T51T0021	Tadi Jyothi	✓	A	✓	A	✓	✓
20	20T51T0022	Tadi Ramya	A	✓	✓	✓	A	✓
21	20T51T0023	Vuriviti Pavani	✓	✓	A	✓	✓	A
22	20T51T0024	Pyla Upendra	✓	✓	✓	✓	✓	✓

M. pavani
Course Coordinator

V. Murugesan
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 29-11-2021 to 04-12-2021
No. of Students Enrolled : 22
Subject : Strategies, Intervention and Pharmacy's role in Managing Communicable diseases II Pharm. D

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



[Signature]
PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

18	20T51T0020	Swetha Sri Sahu	30	83%
19	20T51T0021	Tadi Jyothi	24	66%
20	20T51T0022	Tadi Ramya	24	66%
21	20T51T0023	Vuriviti Pavani	24	66%
22	20T51T0024	Pyla Upendra	36	100%

Y. Pavani
Course Coordinator

N. N. N. N.
HOD

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



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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

KOTANA ANOOHYA

Bearing roll, no 20T51T0013 pursuing II Pharm D has successfully completed value added course on
**"STRATEGIES; INTERVENTION AND PHARMACY'S ROLE IN MANAGING
COMMUNICABLE DISEASES"**
held from 29-11-2021 to 04-12-2021 .

V. Sankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

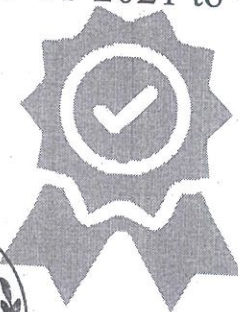
This is presented to:

PUPPALA SOWMYA

Bearing roll, no 20T51T0019 pursuing **II Pharm D** has successfully completed value added course on
**“STRATEGIES; INTERVENTION AND PHARMACY'S ROLE IN MANAGING
COMMUNICABLE DISEASES”**
held from 29-11-2021 to 04-12-2021 .

V. UmaSankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

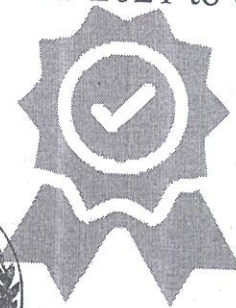
This is presented to:

VURJUTJ PAVANJ

Bearing roll, no 20T51T0023 pursuing II Pharm D has successfully completed value added course on
**"STRATEGIES; INTERVENTION AND PHARMACY'S ROLE IN MANAGING
COMMUNICABLE DISEASES"**
held from 29-11-2021 to 04-12-2021 .

V. UmaSankar

Convener



[Signature]

Principal

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt. - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

VURJUTJ PAVANJ

Bearing roll, no 20T51T0023 pursuing II Pharm D has successfully completed value added course on
**"STRATEGIES; INTERVENTION AND PHARMACY'S ROLE IN MANAGING
COMMUNICABLE DISEASES"**
held from 29-11-2021 to 04-12-2021 .

V. Umabankar

Convener



[Signature]

Principal
PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) - 531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

KOTANA ANOOHYA

Bearing roll, no 20T51T0013 pursuing II Pharm D has successfully completed value added course on
**"STRATEGIES; INTERVENTION AND PHARMACY'S ROLE IN MANAGING
COMMUNICABLE DISEASES"**
held from 29-11-2021 to 04-12-2021 .

V. UmaSankar

Convener



[Signature]

Principal

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

Approved by A.I.C.T.E., P.C.I., New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTU, Kakinada
(Approved by A.I.C.T.E., P.C.I., New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTU, Kakinada)
www.avanthipharma.ac.in, principal@avanthipharma.ac.in
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

CERTIFICATE OF COMPLETION

This is presented to:

PJLLA IJKJTHA SATYA GANGA

Bearing roll, no 20T51T0018 pursuing II Pharm D has successfully completed value added course on
"STRATAGIES; INTERVENTION AND PHARMACY'S ROLE IN MANAGING COMMUNICABLE DISEASES"
held from 29-11-2021 to 04-12-2021 .

V. Bhargava

Convener



[Signature]

PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

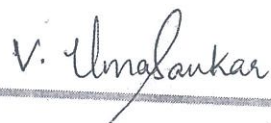
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

CERTIFICATE OF COMPLETION

This is presented to:

PYLA UPENDRA

Bearing roll, no 20T51T0024 pursuing II Pharm D has successfully completed value added course on
**"STRATEGIES; INTERVENTION AND PHARMACY'S ROLE IN MANAGING
COMMUNICABLE DISEASES"**
held from 29-11-2021 to 04-12-2021 .



Convener





Principal

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal

Vizianagaram (Dist) - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

PUPPALA SOWMYA

Bearing roll, no 20T51T0019 pursuing **II Pharm D** has successfully completed value added course on
**“STRATEGIES; INTERVENTION AND PHARMACY'S ROLE IN MANAGING
COMMUNICABLE DISEASES”**
held from 29-11-2021 to 04-12-2021 .

V. UmaSankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/03

Date: 29-11-2021

CIRCULAR

This is to inform all the students of 2nd B. Pharm that a value-added course will be conducted on the topic “Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids” from 16/12/2021 to 11/12/2021. Interested students are required to sign-up for the above-mentioned course with “**Dr. R. SANTOSH**” Associate Professor in Gitam college of pharmacy.



Principal

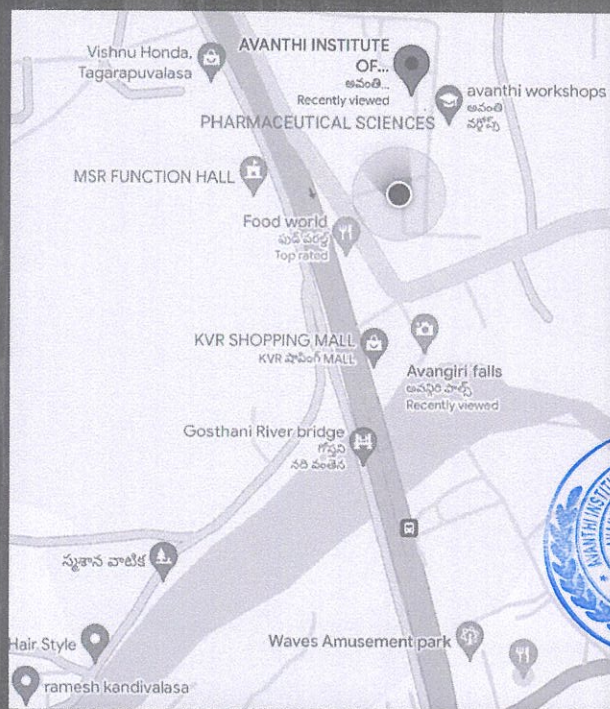
PRINCIPAL

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

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 JNTUK, Kakinada 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

Dr. R. Santosh Kumar,
Associate Professor,



GITAM School of
Pharmacy.

Organizing Committee

Mrs. Y. Pavani, Assistant Professor

Mrs. B. Aruna, Assistant Professor

Mrs. B. Rama Madhuri, Assistant
Professor

Members

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

6 Days Workshop
On

Fluid Dynamics in
Pharmacy- Navigating the
stream of Pharmaceutical
Liquids

06/12/2021 - 11/12/2021

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,
BHOGAPURAM(MANDAL), VIZIANAGARAM
-531162.

www.avanthipharma.ac.in

PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

Course Title	: Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-22
Course instructor	: Dr. R. Santhosh, Associate Professor, GITAM College of Pharmacy, Gandhinagar, Rushikonda, Visakhapatnam
Course coordinator	: Mrs. I. Adi Lakshmi, Associate Professor
Dates	: 06-12-2021 to 11-12-2021
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/B. Pharm/2021/03

Objectives:

- Uniform Mixing of Ingredients
- Precise Dosing and Dispensing
- Minimization of Shear Stress
- Optimal Fluid Flow in Equipment
- Cleaning and Sterilization

Out comes:

- Improved Product Quality
- Enhanced Efficiency and Cost Savings
- Accurate Dosing and Dispensing
- Increased Stability of Sensitive Compound



trv
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

Syllabus

1. Introduction Fluid dynamics:

- Fluid dynamics is key in making pharmaceutical liquids.
- Navigating this stream is vital for consistent, quality drug production.
- Fluid dynamics principles guide mixing, dispensing, and packaging.
- Industry strives for optimized fluid dynamics for efficiency and safety.
- Minimizing shear stress matters, especially for sensitive compounds
- Minimizing shear stress matters, especially for sensitive compounds

2. Fundamentals of Fluid Dynamics:

- Introduction to fluid properties and behaviour
- Basic equations of fluid dynamics
- Newtonian and non-Newtonian fluids
- Viscosity and rheology

3. Pharmaceutical Liquid Formulations:

- Principles of mixing pharmaceutical liquids
- Homogeneity and uniformity in liquid formulations
- Factors influencing dissolution and solubility

4. Transport Phenomena in Pharmaceutical Processes:

- Mass transfer and diffusion in pharmaceutical systems
- Heat transfer in pharmaceutical manufacturing
- Momentum transfer and fluid flow principles

5. Shear Stress and Sensitive Compounds:

- Understanding shear stress in pharmaceutical processes
- Impact on sensitive compounds (e.g., biologics, proteins)
- Strategies to minimize shear stress

6. Temperature Control and Stability:

- Importance of temperature control in pharmaceutical manufacturing
- Thermal stability of pharmaceutical liquids
- Cooling and heating systems



Ardi Lakshmi

Course Coordinator

[Signature]
PRINCIPAL

[Signature]
Avanathi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist.

Avanathi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

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	Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids	Break	Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids	Lunch	Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids	Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids	Break	Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids	Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids
TUE									
WED									
THU									
FRI									
SAT									

Adi Kalkuni

Course Coordinator

V. Neelima
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

Reference Book: "Pharmaceutical Engineering: Principles and Practices" by S. S. Mohapatra and Dr. Dusmant Kumar Mohanta

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	06-12-2021	6hrs	1. Introduction Fluid dynamics: <ul style="list-style-type: none">• Fluid dynamics is key in making pharmaceutical liquids.• Navigating this stream is vital for consistent, quality drug production.• Fluid dynamics principles guide mixing, dispensing, and packaging.• Industry strives for optimized fluid dynamics for efficiency and safety.• Minimizing shear stress matters, especially for sensitive compounds• Minimizing shear stress matters, especially for sensitive compounds
2.		07-12-2021	6hrs	2. Fundamentals of Fluid Dynamics: <ul style="list-style-type: none">• Introduction to fluid properties and behaviour• Basic equations of fluid dynamics• Newtonian and non-Newtonian fluids• Viscosity and rheology
3.		08-12-2021	6hrs	3. Pharmaceutical Liquid Formulations: <ul style="list-style-type: none">• Principles of mixing pharmaceutical liquids• Homogeneity and uniformity in liquid formulations• Factors influencing dissolution and solubility



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

4.		09-12-2021	6hrs	4. Transport Phenomena in Pharmaceutical Processes: <ul style="list-style-type: none">• Mass transfer and diffusion in pharmaceutical systems• Heat transfer in pharmaceutical manufacturing• Momentum transfer and fluid flow principles
5.		10-12-2021	6hrs	5. Shear Stress and Sensitive Compounds: <ul style="list-style-type: none">• Understanding shear stress in pharmaceutical processes• Impact on sensitive compounds (e.g., biologics, proteins)• Strategies to minimize shear stress
6.		11-12-2021	6hrs	6. Temperature Control and Stability: <ul style="list-style-type: none">• Importance of temperature control in pharmaceutical manufacturing• Thermal stability of pharmaceutical liquids• Cooling and heating systems



Adi Lakshmi

Course Coordinator

N. Neelima

HOD

Avanthi Institute of Pharmaceutical Sciences

CHERUKUPALLY (V)

CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

ts
PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

Assessment:

- 1. What is the primary objective of achieving uniform mixing in pharmaceutical liquid formulations?**
 - a. Minimizing waste
 - b. Ensuring color consistency
 - c. Improving product quality
 - d. Increasing manufacturing speed
- 2. Why is minimizing shear stress crucial in the manufacturing of pharmaceuticals?**
 - a. To increase manufacturing speed
 - b. To improve color consistency
 - c. To maintain stability of sensitive compounds
 - d. To reduce equipment costs
- 3. In pharmaceutical manufacturing, what does precise temperature control contribute to?**
 - a. Increased manufacturing speed
 - b. Stability of pharmaceutical liquids
 - c. Cost reduction
 - d. Color consistency improvement
- 4. Why is adherence to regulatory standards essential in fluid dynamics in pharmacy?**
 - a. To increase manufacturing speed
 - b. To improve color consistency
 - c. To ensure product safety and quality
 - d. To reduce equipment costs
- 5. What is a key advantage of continuous manufacturing in pharmaceutical fluid dynamics?**
 - a. Increased waste
 - b. Improved product stability
 - c. Longer production times
 - d. Reduced efficiency
- 6. Why is scalability important in pharmaceutical manufacturing?**
 - a. To increase manufacturing speed
 - b. To ensure laboratory consistency
 - c. To maintain product quality during production scale-up
 - d. To reduce equipment costs
- 7. How do sustainable practices contribute to pharmaceutical manufacturing?**
 - a. Increased waste
 - b. Reduced environmental impact
 - c. Shorter production times
 - d. Lower product quality
- 8. What properties of fluids are critical to understand in fluid dynamics?**
 - a. Density and color
 - b. Viscosity and rheology
 - c. Temperature and pressure
 - d. Particle size and shape




PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

9. What is the term used to describe the study of the flow and deformation of pharmaceutical liquids?

- a. Rheology
- b. Pharmacodynamics
- c. Hydrodynamics
- d. Viscosity

10. In the context of pharmaceutical liquids, viscosity refers to:

- a. The ability to dissolve in water
- b. The resistance to flow
- c. The temperature at which a liquid becomes a solid
- d. The pH of the liquid

Adi Katuri

Course Coordinator

N. Neelima
HOD

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



Principals
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 06-12-2021 to 11-12-2021

No. of Students Enrolled : 97

Subject : "Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids " IIB. Pharmacy

S. No	Roll No.	Student Name
1	20T51R0001	Aakula Mariamma
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	20T51R0017	Boosa Vara Naveen Reddy
15	20T51R0018	Chidireddy Devi Divya
16	20T51R0019	Chigurupati Himasri
17	20T51R0020	Chinthapalli Kavya
18	20T51R0021	Chitti Ganesh



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

19	20T51R0022	Dayanidhi Pavani
20	20T51R0023	Dhuvvana Ramya Varshini
21	20T51R0024	Doddi Manikanta
22	20T51R0025	Dummu Yamuna
23	20T51R0026	Dusuru Santhosh
24	20T51R0027	Elipothi Ramya
25	20T51R0028	Emandi Komal Hari Rama Krishna
26	20T51R0029	Erothi Bhargavi
27	20T51R0030	Gangireddy Meghana
28	20T51R0031	Ganganitha
29	20T51R0032	Geddapu Susritha
30	20T51R0033	Gorakala Gayathri
31	20T51R0034	Gorele Chandrika
32	20T51R0035	Gutti Sai Yeswanth
33	20T51R0036	Indigabilli Oliva Kumari
34	20T51R0037	Itamsetti Indu
35	20T51R0038	Jagana Thanmai
36	20T51R0039	Jakkireddy Ajay Reddy
37	20T51R0040	Jammu Jenni Paul
38	20T51R0041	Jonnepalli Alaja
39	20T51R0042	Kamisetty Jyothsna
40	20T51R0043	Kanuri Lehari Aparna Sriyani



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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

Avanthi Institute of Pharmaceutical Sciences



ESTD : 2006

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

41	20T51R0044	Karri Devi
42	20T51R0045	Kattevarapu Srinivasa Rao
43	20T51R0046	Kesa Harika
44	20T51R0047	Kilari Usha Rani
45	20T51R0048	Kinjangi Neerajapriya
46	20T51R0049	Kommala Rupa
47	20T51R0050	Kona Lohitha
48	20T51R0051	Kontajaya Lakshmi
49	20T51R0052	Korada Jayasri
50	20T51R0053	Korakula Viditha
51	20T51R0054	Kosana Jahnvi
52	20T51R0055	Kotipalli Balu
53	20T51R0056	Koyya Yamuna
54	20T51R0057	Kunkupudi Divya Ratna
55	20T51R0058	M S K Poojitha
56	20T51R0059	Mahanthi Gayathri
57	20T51R0060	Majji Purnima
58	20T51R0061	Makka Keerthana
59	20T51R0062	Masa Samuel Raj
60	20T51R0063	Metta Gayathri
61	20T51R0064	Modalavalasa Sravani
62	20T51R0065	Mylapilli Prasanna Lakshmi



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



ESTD : 2006

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

63	20T51R0066	Nandika Jyothi
64	20T51R0067	Naramsetti Jhansi
65	20T51R0068	Neelamsetti Bala Shankar
66	20T51R0070	Orlotu Rasmitha
67	20T51R0071	Palavani Vyshnavi
68	20T51R0072	Pandiri Rajeev
69	20T51R0073	Panthagada Sruthi
70	20T51R0074	Pathivada Manisha
71	20T51R0075	Patnala Jayanth Sri Harsha
72	20T51R0076	Pattika Mukhesh
73	20T51R0077	Pavan Kumar Meela
74	20T51R0078	Pinapatruni Dhana Sai Teja
75	20T51R0079	Pondala Sai Sireesha
76	20T51R0080	Pragada Nisha
77	20T51R0081	Pulakhaandam Nagavadrhan
78	20T51R0082	Rokkam Eswararao
79	20T51R0083	Sarapenta Sravani
80	20T51R0084	Sharma Jyothirmai
81	20T51R0085	Siripuram Kiran Dattatreya
82	20T51R0086	Suratha Hari Sai
83	20T51R0087	Tanga Raj Latha Sri
84	20T51R0088	Thammineni Bhargavi



PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

85	20T51R0089	Thanuku Ashika Sai
86	20T51R0090	Thota Lohitha
87	20T51R0091	Vadakeveettil Leah Suzeine Raju
88	20T51R0092	Vajrapu Harika
89	20T51R0093	Varanas Abhilash
90	20T51R0094	Vasupalli Lavanya
91	20T51R0095	Veluswamy Gayathri
92	20T51R0096	Vemakoti Hemanth Kumar
93	20T51R0097	Yamala Adi Lakshmi
94	20T51R0098	Yarra Jhansi
95	20T51R0099	Yarrarapu Iswarya
96	20T51R01A0	Yetchrla Tharun

Adi Katshev

Course Coordinator

N. Neelima
HOD

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



[Signature]
PRINCIPAL

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

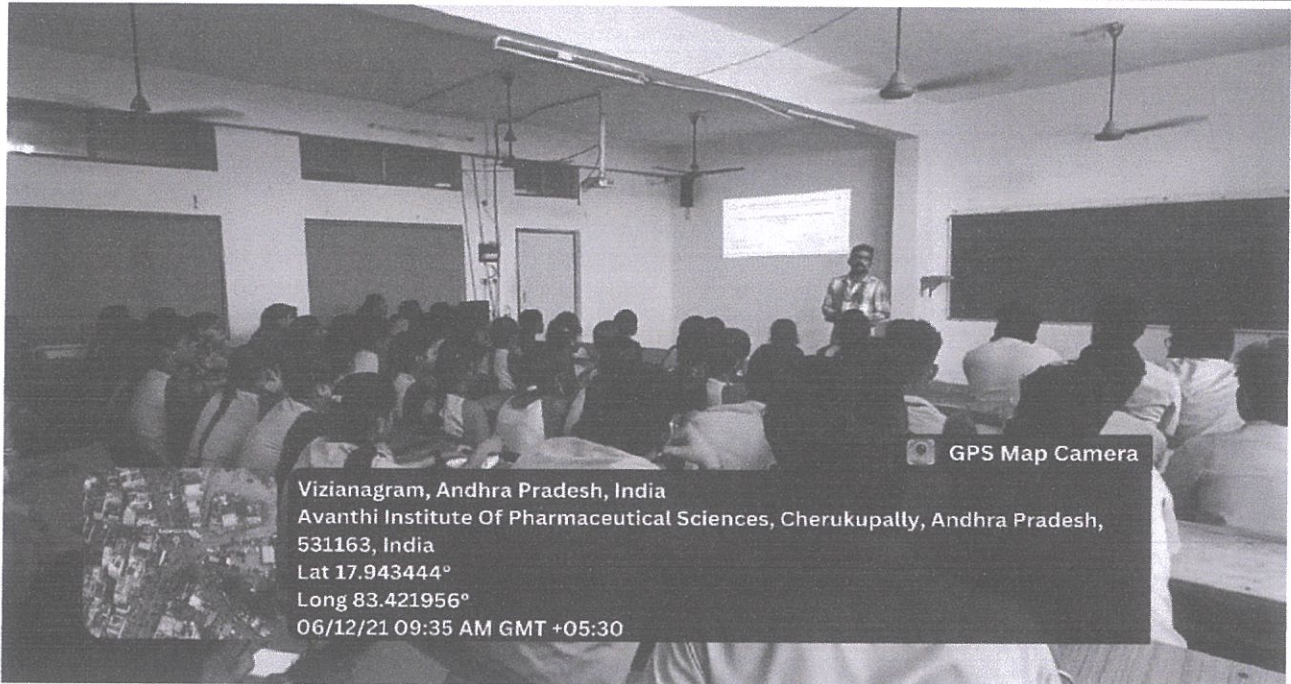


AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

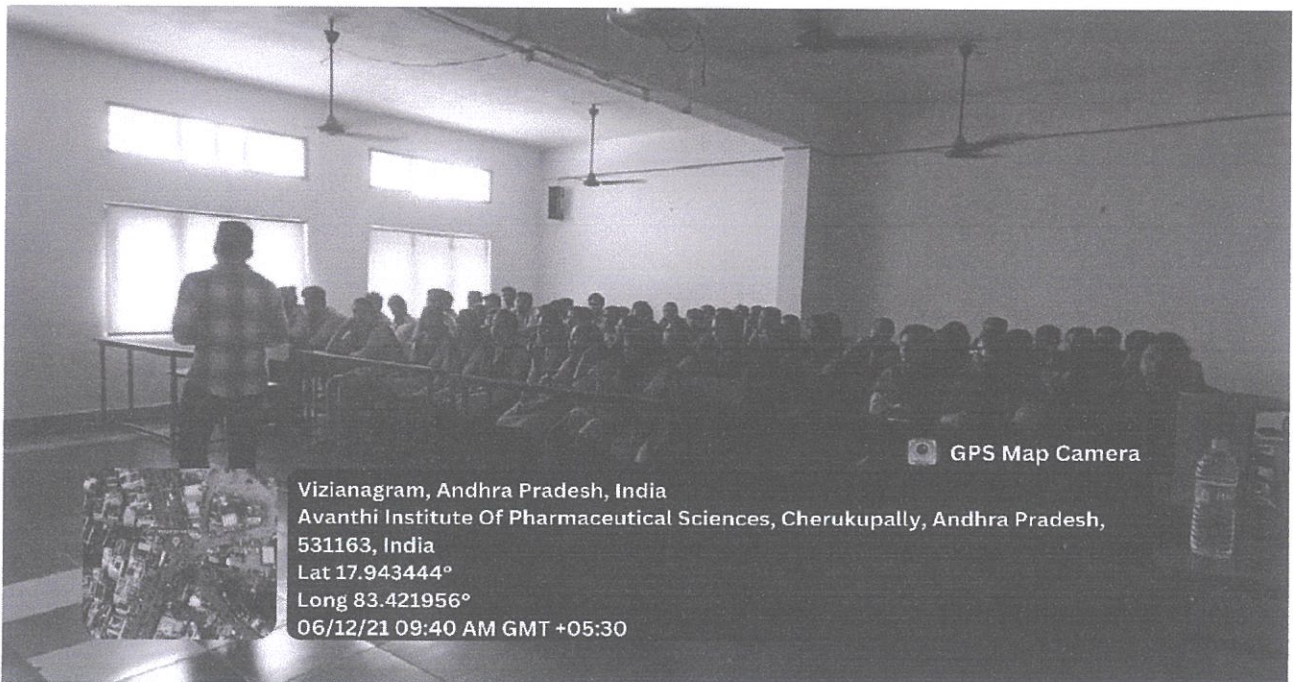
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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



GPS Map Camera

Vizianagaram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
06/12/21 09:35 AM GMT +05:30



GPS Map Camera

Vizianagaram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
06/12/21 09:40 AM GMT +05:30

The students of 2nd year B. Pharmacy certificate program attending “FLUID DYNAMICS IN PHARMACY: NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS” by the Associate Professor Mr. Sandeep from GITAM College of Pharmacy, Gandhinagar, Rushikonda, Visakhapatnam



Adi Lakshu

Course Coordinator

Principal
PRINCIPAL

N. Neelima
HOD

Avanthi Institute of Pharmaceutical Sciences

Avanthi Institute of Pharmaceutical Sciences

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

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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


Date : 06-12-2021 to 11-12-2021

Subject : "Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids"
II B. Pharmacy

S. No	Roll No.	Student Name	06/12/21	07/12/21	08/12/21	09/12/21	10/12/21	11/12/21
1	20T51R0001	Aakula Mariamma	✓	✓	✓	A	✓	A
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	A	✓	✓	✓	✓	✓
8	20T51R0010	Bara Uma Sivani	✓	✓	✓	✓	✓	✓
9	20T51R0012	Batna Lavanya	✓	✓	✓	✓	✓	✓
10	20T51R0013	Bavana Tejaswini	A	A	A	A	A	A
11	20T51R0014	Bevara Bhavana	✓	✓	✓	✓	✓	✓
12	20T51R0015	Bhavarapu Raviteja	✓	✓	✓	✓	✓	✓
13	20T51R0016	Bonala Radha Shyam Priya	A	✓	✓	✓	A	✓
14	20T51R0017	Boosa Vara Naveen Reddy	✓	✓	✓	✓	✓	✓
15	20T51R0018	Chidireddy Devi Divya	✓	✓	✓	✓	✓	A
16	20T51R0019	Chigurupati Himasri	✓	✓	A	✓	✓	✓
17	20T51R0020	Chinthapalli Kavya	A	✓	✓	✓	✓	✓

Avanathi Institute of Pharmaceutical Sciences




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

ESTD : 2005

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

18	20T51R0021	Chitti Ganesh	✓	✓	✓	✓	✓	✓
19	20T51R0022	Dayanidhi Pavani	✓	✓	✓	✓	✓	✓
20	20T51R0023	Dhuvvana Ramya Varshini	✓	✓	✓	✓	✓	✓
21	20T51R0024	Doddi Manikanta	✓	✓	✓	✓	✓	A
22	20T51R0025	Dummu Yamuna	A	✓	✓	✓	✓	✓
23	20T51R0026	Dusuru Santhosh	✓	✓	A	✓	✓	✓
24	20T51R0027	Elipothi Ramya	✓	✓	✓	✓	✓	✓
25	20T51R0028	Emandi Komal Hari Rama Krishna	A	✓	✓	✓	✓	✓
26	20T51R0029	Erothi Bhargavi	✓	✓	✓	✓	✓	✓
27	20T51R0030	Gangieddy Meghana	✓	✓	✓	✓	✓	✓
28	20T51R0031	Ganguanitha	✓	✓	✓	✓	✓	✓
29	20T51R0032	Geddapu Susritha	✓	✓	✓	✓	✓	✓
30	20T51R0033	Gorakala Gayathri	✓	✓	✓	✓	✓	✓
31	20T51R0034	Gorele Chandrika	✓	✓	✓	✓	✓	A
32	20T51R0035	Gutti Sai Yeswanth	✓	✓	✓	✓	✓	✓
33	20T51R0036	Indigabilli Oliva Kumari	A	✓	✓	✓	✓	✓
34	20T51R0037	Itamsetti Indu	✓	✓	✓	✓	✓	✓
35	20T51R0038	Jagana Thanmai	✓	✓	✓	A	✓	✓
36	20T51R0039	Jakkireddy Ajay Reddy	A	A	A	A	A	A
37	20T51R0040	Jammu Jenni Paul	✓	✓	✓	✓	✓	✓
38	20T51R0041	Jonnapalli Alaja	✓	✓	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

39	20T51R0042	Kamisetty Jyothsna	✓	✓	✓	✓	✓	✓
40	20T51R0043	Kanuri Lehari Aparna Sriyani	✓	✓	✓	✓	✓	✓
41	20T51R0044	Karri Devi	✓	✓	✓	✓	✓	✓
42	20T51R0045	Kattevarapu Srinivasa Rao	✓	✓	A	✓	✓	✓
43	20T51R0046	Kesa Harika	✓	✓	✓	✓	✓	✓
44	20T51R0047	Kilari Usha Rani	✓	✓	✓	✓	✓	✓
45	20T51R0048	Kinjangi Neerajapriya	✓	✓	✓	✓	✓	✓
46	20T51R0049	Kommala Rupa	✓	✓	✓	✓	✓	✓
47	20T51R0050	Kona Lohitha	A	A	A	A	A	A
48	20T51R0051	Kontajaya Lakshmi	✓	✓	✓	✓	✓	✓
49	20T51R0052	Korada Jayasri	✓	✓	✓	✓	✓	✓
50	20T51R0053	Korakula Viditha	✓	✓	✓	✓	✓	✓
51	20T51R0054	Kosana Jahnvi	✓	✓	A	✓	A	✓
52	20T51R0055	Kotipalli Balu	✓	✓	✓	✓	✓	✓
53	20T51R0056	Koyya Yamuna	✓	✓	✓	✓	✓	✓
54	20T51R0057	Kunkupudi Divya Ratna	✓	✓	✓	✓	✓	✓
55	20T51R0058	M S K Poojitha	✓	✓	✓	✓	A	✓
56	20T51R0059	Mahanthi Gayathri	✓	✓	✓	✓	✓	✓
57	20T51R0060	Majji Purnima	A	A	✓	A	✓	A
58	20T51R0061	Makka Keerthana	✓	✓	✓	✓	✓	✓
59	20T51R0062	Masa Samuel Raj	✓	✓	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

60	20T51R0063	Metta Gayathri	✓	✓	✓	✓	✓	✓
61	20T51R0064	Modalavalasa Sravani	✓	✓	✓	✓	✓	✓
62	20T51R0065	Mylapilli Prasanna Lakshmi	✓	✓	✓	✓	✓	✓
63	20T51R0066	Nandika Jyothi	✓	✓	✓	✓	✓	✓
64	20T51R0067	Naramsetti Jhansi	✓	✓	✓	✓	✓	✓
65	20T51R0068	Neelamsetti Bala Shankar	✓	✓	✓	✓	✓	✓
66	20T51R0070	Orlotu Rasmitha	A	A	✓	A	B	A
67	20T51R0071	Palavani Vyshnavi	✓	✓	✓	✓	✓	✓
68	20T51R0072	Pandiri Rajeev	✓	✓	✓	✓	✓	✓
69	20T51R0073	Panthagada Sruthi	A	A	A	A	✓	A
70	20T51R0074	Pathivada Manisha	✓	✓	✓	✓	✓	✓
71	20T51R0075	Patnala Jayanth Sri Harsha	✓	✓	✓	✓	✓	✓
72	20T51R0076	Pattika Mukhesh	✓	✓	✓	✓	✓	✓
73	20T51R0077	Pavan Kumar Meela	✓	✓	✓	✓	✓	✓
74	20T51R0078	Pinapatruni Dhana Sai Teja	✓	✓	✓	✓	✓	✓
75	20T51R0079	Pondala Sai Sireesha	✓	✓	✓	✓	✓	✓
76	20T51R0080	Pragada Nisha	✓	✓	✓	✓	✓	✓
77	20T51R0081	Pulakhaandam Nagavardhan	✓	✓	✓	✓	✓	✓
78	20T51R0082	Rokkam Eswararao	✓	✓	✓	✓	✓	✓
79	20T51R0083	Sarapenta Sravani	A	A	A	A	✓	A
80	20T51R0084	Sharma Jyothirmai	✓	✓	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

ESTD : 2005

81	20T51R0085	Siripuram Kiran Dattatreya	✓	✓	✓	✓	✓	✓
82	20T51R0086	Suratha Hari Sai	✓	✓	✓	✓	✓	✓
83	20T51R0087	Tanga Raj Latha Sri	✓	✓	✓	✓	✓	✓
84	20T51R0088	Thammineni Bhargavi	A	A	A	A	✓	A
85	20T51R0089	Thanuku Ashika Sai	✓	✓	✓	✓	✓	✓
86	20T51R0090	Thota Lohitha	✓	✓	✓	✓	✓	✓
87	20T51R0091	Vadakkeveetil Leah Suzeine Raju	A	A	A	A	✓	A
88	20T51R0092	Vajrapu Harika	✓	✓	✓	✓	✓	✓
89	20T51R0093	Varanas Abhilash	✓	✓	✓	✓	A	✓
90	20T51R0094	Vasupalli Lavanya	✓	✓	✓	✓	✓	✓
91	20T51R0095	Veluswamy Gayathri	A	A	A	A	✓	A
92	20T51R0096	Vemakoti Hemanth Kumar	✓	✓	✓	✓	✓	✓
93	20T51R0097	Yamala Adi Lakshmi	✓	✓	✓	✓	✓	✓
94	20T51R0098	Yarra Jhansi	✓	✓	✓	✓	✓	✓
95	20T51R0099	Yarrarapu Iswarya	A	A	A	A	✓	A
96	20T51R01A0	Yetchrla Tharun	✓	✓	✓	✓	✓	✓

Adhi Lakshmi

Course Coordinator

V. Uma Sankar
HOD

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

Avanthi Institute of Pharmaceutical Sciences



to
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

Date : 06-12-2021 to 11-12-2021
No. of Students Enrolled : 97
Subject : "Fluid Dynamics in Pharmacy: Navigating the stream of pharmaceutical liquids"
II B. Pharmacy

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	20T51R0001	Aakula Mariyamma	24	66%
2	20T51R0002	Addakula Nandini	36	100%
3	20T51R0003	Addanki Anil Kumar	36	100%
4	20T51R0004	Akkireddy Mohan Krishna	36	100%
5	20T51R0005	Ampolu Priyanka	36	100%
6	20T51R0008	Arika Swathi	36	100%
7	20T51R0009	Bankapalli Anuradha	30	83%
8	20T51R0010	Bara Uma Sivani	36	100%
9	20T51R0012	Batna Lavanya	36	100%
10	20T51R0013	Bavana Tejaswini	NIL	0%
11	20T51R0014	Bevara Bhavana	36	100%
12	20T51R0015	Bhavarapu Raviteja	36	100%
13	20T51R0016	Bonala Radha Shyam Priya	24	66%
14	20T51R0017	Boosa Vara Naveen Reddy	36	100%
15	20T51R0018	Chidireddy Devi Divya	30	83%
16	20T51R0019	Chigurupati Himasri	30	83%
17	20T51R0020	Chinthapalli Kavya	30	83%



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

18	20T51R0021	Chitti Ganesh	36	100%
19	20T51R0022	Dayanidhi Pavani	36	100%
20	20T51R0023	Dhuvvana Ramya Varshini	36	100%
21	20T51R0024	Doddi Manikanta	30	83%
22	20T51R0025	Dummu Yamuna	30	83%
23	20T51R0026	Dusuru Santhosh	30	83%
24	20T51R0027	Elipothi Ramya	36	100%
25	20T51R0028	Emandi Komal Hari Rama Krishna	30	83%
26	20T51R0029	Erothi Bhargavi	36	100%
27	20T51R0030	Gangireddy Meghana	36	100%
28	20T51R0031	Ganganitha	36	100%
29	20T51R0032	Geddapu Susritha	36	100%
30	20T51R0033	Gorakala Gayathri	36	100%
31	20T51R0034	Gorele Chandrika	30	83%
32	20T51R0035	Gutti Sai Yeswanth	36	100%
33	20T51R0036	Indigabilli Oliva Kumari	30	83%
34	20T51R0037	Itamsetti Indu	36	100%
35	20T51R0038	Jagana Thanmai	30	83%
36	20T51R0039	Jakkireddy Ajay Reddy	NIL	0%
37	20T51R0040	Jammu Jenni Paul	36	100%
38	20T51R0041	Jonnepalli Alaja	36	100%
39	20T51R0042	Kamisetty Jyothsna	36	100%



PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

40	20T51R0043	Kanuri Lehari Aparna Sriyani	36	100%
41	20T51R0044	Karri Devi	36	100%
42	20T51R0045	Kattevarapu Srinivasa Rao	30	83%
43	20T51R0046	Kesa Harika	36	100%
44	20T51R0047	Kilari Usha Rani	36	100%
45	20T51R0048	Kinjangi Neerajapriya	36	100%
46	20T51R0049	Kommala Rupa	36	100%
47	20T51R0050	Kona Lohitha	NIL	0%
48	20T51R0051	Kontajaya Lakshmi	36	100%
49	20T51R0052	Korada Jayasri	36	100%
50	20T51R0053	Korakula Viditha	36	100%
51	20T51R0054	Kosana Jahnvi	24	66%
52	20T51R0055	Kotipalli Balu	36	100%
53	20T51R0056	Koyya Yamuna	36	100%
54	20T51R0057	Kunkupudi Divya Ratna	36	100%
55	20T51R0058	M S K Poojitha	30	83%
56	20T51R0059	Mahanthi Gayathri	36	100%
57	20T51R0060	Majji Purnima	12	33%
58	20T51R0061	Makka Keerthana	36	100%
59	20T51R0062	Masa Samuel Raj	36	100%
60	20T51R0063	Metta Gayathri	36	100%
61	20T51R0064	Modalavalasa Sravani	36	100%



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

62	20T51R0065	Mylapilli Prasanna Lakshmi	36	100%
63	20T51R0066	Nandika Jyothi	36	100%
64	20T51R0067	Naramsetti Jhansi	36	100%
65	20T51R0068	Neelamsetti Bala Shankar	36	100%
66	20T51R0070	Orlotu Rasmitha	6	16%
67	20T51R0071	Palavani Vyshnavi	36	100%
68	20T51R0072	Pandiri Rajeev	36	100%
69	20T51R0073	Panthagada Sruthi	6	16%
70	20T51R0074	Pathivada Manisha	36	100%
71	20T51R0075	Patnala Jayanth Sri Harsha	36	100%
72	20T51R0076	Pattika Mukhesh	36	100%
73	20T51R0077	Pavan Kumar Meela	36	100%
74	20T51R0078	Pinapatruni Dhana Sai Teja	36	100%
75	20T51R0079	Pondala Sai Sireesha	36	100%
76	20T51R0080	Pragada Nisha	36	100%
77	20T51R0081	Pulakhaandam Nagavadrhan	36	100%
78	20T51R0082	Rokkam Eswararao	36	100%
79	20T51R0083	Sarapenta Sravani	6	16%
80	20T51R0084	Sharma Jyothirmai	36	100%
81	20T51R0085	Siripuram Kiran Dattatreya	36	100%
82	20T51R0086	Suratha Hari Sai	36	100%
83	20T51R0087	Tanga Raj Latha Sri	36	100%



PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

Avanathi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi Recognized by the Govt. of A.P. & Affiliated to JNTU-K, Kakinada)

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

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

84	20T51R0088	Thammineni Bhargavi	6	16%
85	20T51R0089	Thanuku Ashika Sai	36	100%
86	20T51R0090	Thota Lohitha	36	100%
87	20T51R0091	Vadakeveetil Leah Suzeine Raju	6	16%
88	20T51R0092	Vajrapu Harika	36	100%
89	20T51R0093	Varanas Abhilash	30	83%
90	20T51R0094	Vasupalli Lavanya	36	100%
91	20T51R0095	Veluswamy Gayathri	6	16%
92	20T51R0096	Vemakoti Hemanth Kumar	36	100%
93	20T51R0097	Yamala Adi Lakshmi	36	100%
94	20T51R0098	Yarra Jhansi	36	100%
95	20T51R0099	Yarrarapu Iswarya	6	16%
96	20T51R01A0	Yetchrla Tharun	36	100%

Adi Lakshmi

Course Coordinator



N. Deelina
HOD

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

hvs
PRINCIPAL

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

Avanathi Institute of Pharmaceutical Sciences



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

PJNAPATRUNJ DHANA SAJ

Bearing roll, no **20T51R0078** pursuing **II B Pharmacy** has successfully completed value added course on
“FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS”

held from 06-12-2021 to 11-12-2021 .

V. UmaSankar

Convener



[Signature]

Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

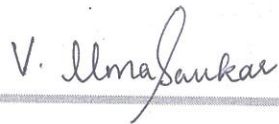
CERTIFICATE OF COMPLETION

This is presented to:

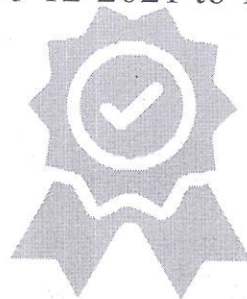
PANDJRJ RAJEEV

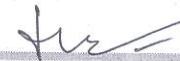
Bearing roll, no **20T51R0072** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

PALAVANJ VYSHNAVJ

Bearing roll, no **20T51R0071** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .

V. Uma Sankar

Convener



[Signature]

Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

NANDJKA JYOTHJ

Bearing roll, no **20T51R0066** pursuing **II B Pharmacy** has successfully completed value added course on
“FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS”

held from 06-12-2021 to 11-12-2021 .

V. UmaSankar

Convener



[Signature]

Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

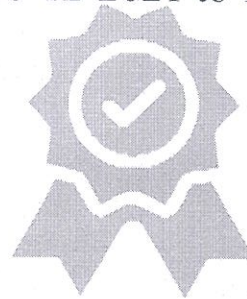
PULAKHANDAM

Bearing roll, no **20T51R0081** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

MYLAPJILJ PRASANNA

Bearing roll, no **20T51R0065** pursuing **II B Pharmacy** has successfully completed value added course on
“FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS”

held from 06-12-2021 to 11-12-2021 .

V. Uma Sankar

Convener



[Signature]

Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

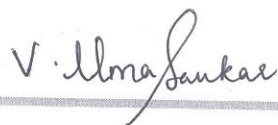
CERTIFICATE OF COMPLETION

This is presented to:

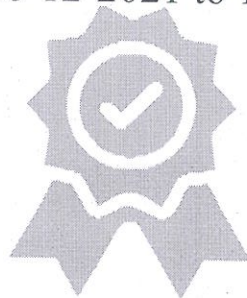
MODALAVALASA SRAVANJ

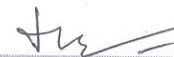
Bearing roll, no **20T51R0064** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

KUNKUPUDJ DJUYA RATNA

Bearing roll, no **20T51R0057** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .

V. Uma Sankar

Convener



[Signature]

Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

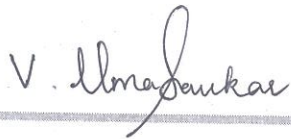
CERTIFICATE OF COMPLETION

This is presented to:

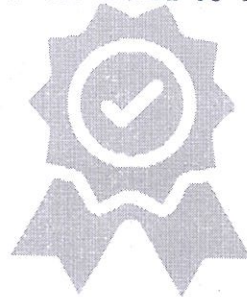
KOYYA YAMUNA


Bearing roll, no **20T51R0056** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

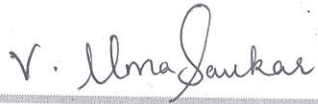
CERTIFICATE OF COMPLETION

This is presented to:

KAMJSETTY JYOTHSNA

Bearing roll, no **20T51R0042** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

YETCHRLA THARUN

Bearing roll, no **20T51R01A0** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .

V. Umajankar

Convener



[Signature]

Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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


CERTIFICATE OF COMPLETION

This is presented to:

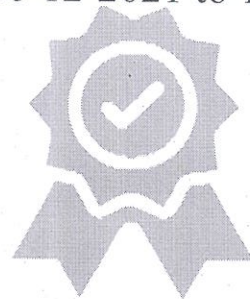
GORELE CHANDRJKA

Bearing roll, no **20T51R0034** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

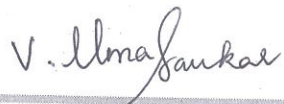
CERTIFICATE OF COMPLETION

This is presented to:

GORAKALA GAYATHRI

Bearing roll, no 20T51R0033 pursuing II B Pharmacy has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

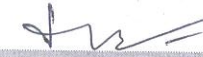
GEDDAPU SUSRJTHA

Bearing roll, no **20T51R0032** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"
held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

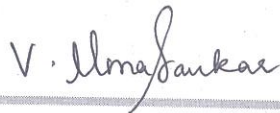
CERTIFICATE OF COMPLETION

This is presented to:

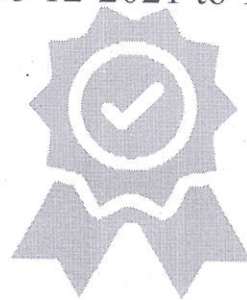
DUSURU SANTHOSH

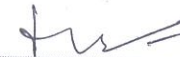
Bearing roll, no **20T51R0026** pursuing **II B Pharmacy** has successfully completed value added course on
“FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS”

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

DUMMU YAMUNA

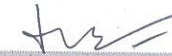
Bearing roll, no **20T51R0025** pursuing **II B Pharmacy** has successfully completed value added course on
“FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS”

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

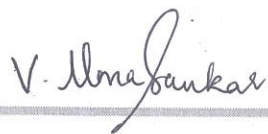
CERTIFICATE OF COMPLETION

This is presented to:

PRAGADA NJSHA

Bearing roll, no **20T51R0080** pursuing **II B Pharmacy** has successfully completed value added course on
“FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS”

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi. Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

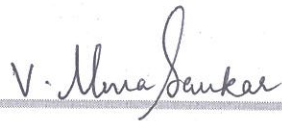
CERTIFICATE OF COMPLETION

This is presented to:

PONDALA SAJ SJREESHA

Bearing roll, no **20T51R0079** pursuing **II B Pharmacy** has successfully completed value added course on
"FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS"

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

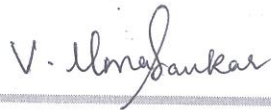
CERTIFICATE OF COMPLETION

This is presented to:

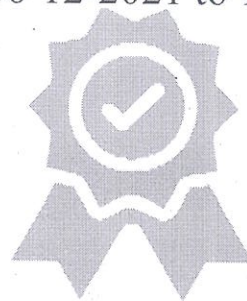
AMPOLU PRJYANKA

Bearing roll, no **20T51R0005** pursuing **II B Pharmacy** has successfully completed value added course on
“FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS”

held from 06-12-2021 to 11-12-2021 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

AKKIREDDY MOHAN

Bearing roll; no **20T51R0004** pursuing **II B Pharmacy** has successfully completed value added course on
“FLUID DYNAMICS IN PHARMACY; NAVIGATING THE STREAM OF PHARMACEUTICAL LIQUIDS”

held from 06-12-2021 to 11-12-2021 .

V. Uma Sankar

Convener



[Signature]

Principal



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/04

Date: 27-01-2021

CIRCULAR

This is to inform all the students of 5TH Pharm D that a value-added course will be conducted on the topic “Herbal Medicine and Alternative Therapies” from 03/01/2022 to 08/01/2022. Interested students are required to sign-up for the above-mentioned course with “MrsK. SWATHI PRIYA” Associate Professor in the Department of Pharmacy.



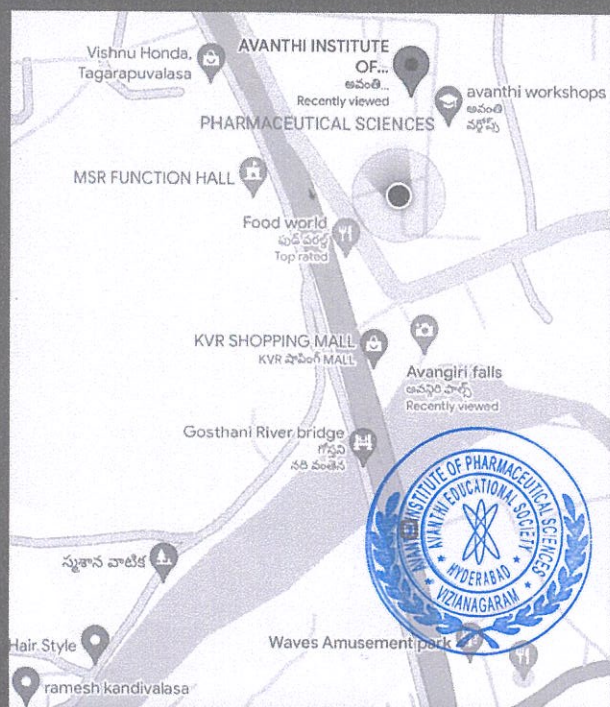
[Signature]
Principal
PRINCIPAL

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

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 JNTUK, Kakinada 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

Mrs. K. Swathi Priya,
Associate Professor,



Srinivasa College
Of Pharmacy

Organizing Committee

Dr. M. S. V. Sudeep, 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

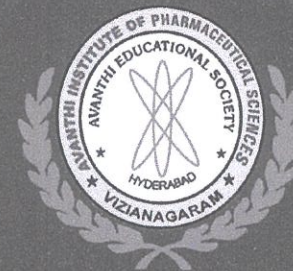
Principal
Avanthy Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal,
Vizianagaram Dt., - 531162

6 Days Workshop On Herbal Medicines and Alternative Therapies

03/01/2022- 08/01/2022

Organized By:

DEPARTMENT OF
PHARMACY PRACTICE



AVANTHY 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,
BHOGAPURAM(MANDAL), VIZIANAGARAM
-531162.

www.avanthipharma.ac.in



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Course Title	: Herbal Medicine and Alternative Therapies
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-22
Course instructor	: Mrs. K. Swathi Priya, Associate Professor, Srinivasa College of Pharmacy, P.M. Pallem, Visakhapatnam.
Course Coordinator	: Dr. V. C. Randeep Raj, Associate Professor
Dates	: 21-02-2022 to 26-02-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2021/04


Objectives:

- Define herbal medicine and its historical context.
- Identify major herbal traditions from different cultures.
- Develop the ability to identify common medicinal plants.
- Understand the importance of plant parts used in herbal remedies.
- Understand the chemical constituents of medicinal plants.
- Explore the extraction methods for obtaining bioactive compounds.

Out comes:

- Students will gain knowledge of various alternative therapies, including acupuncture, aromatherapy, and homeopathy, and comprehend the principles underlying each.
- Students will be proficient in preparing herbal formulations, considering dosage and administration.
- Students will be able to conduct holistic health assessments, integrating herbal medicine into a holistic treatment plan.
- Students will demonstrate effective communication skills for discussing herbal remedies with clients and healthcare professionals, as well as educating others about responsible alternative therapy use.
- Students will formulate and present herbal remedies for specific health concerns, considering cultural and ethical considerations.




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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Syllabus

1. Introduction to Herbal Medicine

- Definition and historical context of herbal medicine
- Overview of major herbal traditions (e.g., Traditional Chinese Medicine, Ayurveda, Western herbalism)
- Importance of plant identification and sustainable harvesting practices

2. Botanical Identification and Medicinal Plant Parts

- Basics of botanical identification
- Study of common medicinal plants and their uses
- Significance of different plant parts in herbal remedies

3. Chemistry of Medicinal Plants

- Understanding chemical constituents of medicinal plants
- Extraction methods for obtaining bioactive compounds
- Practical session: Extract preparation

4. Alternative Therapies

- Introduction to various alternative therapies (acupuncture, aromatherapy, homeopathy)
- Principles underlying each alternative therapy
- Comparative analysis of herbal medicine and alternative therapies

5. Pharmacology of Herbal Medicines

- Pharmacological actions and potential side effects of herbal remedies
- Interactions between herbal medicines and conventional drugs
- Case studies on herbal-drug interactions

6. Herbal Formulation and Dosage


- Practical skills in preparing herbal formulations
- Dosage and administration of herbal remedies
- Hands-on session: Herbal formulation workshop




Course Coordinator


PRINCIPAL

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


HOD

Avanathi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V),
CHITTIVALASA S.O.,
Bhogapuram (M), Vizianagaram (D)



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Reference book: "The Complete German Commission E Monographs: Therapeutic Guide to Herbal Medicines" by Mark Blumenthal, Alicia Goldberg, and Josef Brinckmann

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.		21-02-2022	6hrs	1. Introduction to Herbal Medicine <ul style="list-style-type: none">• Definition and historical context of herbal medicine• Overview of major herbal traditions (e.g., Traditional Chinese Medicine, Ayurveda, Western herbalism)• Importance of plant identification and sustainable harvesting practices
2.		22-02-2022	6hrs	2. Botanical Identification and Medicinal Plant Parts <ul style="list-style-type: none">• Basics of botanical identification• Study of common medicinal plants and their uses• Significance of different plant parts in herbal remedies
3.		23-02-2022	6hrs	3. Chemistry of Medicinal Plants <ul style="list-style-type: none">• Understanding chemical constituents of medicinal plants• Extraction methods for obtaining bioactive compounds• Practical session: Extract preparation
4.		24-02-2022	6hrs	4. Alternative Therapies <ul style="list-style-type: none">• Introduction to various alternative therapies (acupuncture, aromatherapy, homeopathy)• Principles underlying each



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

TIMETABLE

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	Herbal Medicine and Alternative Therapies	Break	Herbal Medicine and Alternative Therapies	Lunch	Herbal Medicine and Alternative Therapies	Herbal Medicine and Alternative Therapies	Break	Herbal Medicine and Alternative Therapies	Herbal Medicine and Alternative Therapies
TUE									
WED									
THU									
FRI									
SAT									


Course Coordinator


HOD

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




PRINCIPAL

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




AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES


(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

				alternative therapy <ul style="list-style-type: none">• Comparative analysis of herbal medicine and alternative therapies
5.		25-02-2022	6hrs	5. Pharmacology of Herbal Medicines <ul style="list-style-type: none">• Pharmacological actions and potential side effects of herbal remedies• Interactions between herbal medicines and conventional drugs• Case studies on herbal-drug interactions
6.		26-02-2022	6hrs	6. Herbal Formulation and Dosage <ul style="list-style-type: none">• Practical skills in preparing herbal formulations• Dosage and administration of herbal remedies• Hands-on session: Herbal formulation workshop


Course Coordinator


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




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




AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Assessment:

- 1. What is the primary historical context of Herbal Medicine?**
 - a. 18th-century Europe
 - b. Ancient Greece
 - c. Renaissance period
 - d. Various cultures throughout history
- 2. Which part of a plant is commonly used in herbal remedies?**
 - a. Flowers
 - b. Roots
 - c. Leaves
 - d. All of the above
- 3. What is the significance of botanical identification in Herbal Medicine?**
 - a. It's irrelevant to herbal practice
 - b. Helps in understanding the cultural history of plants
 - c. Ensures accurate identification of medicinal plants
 - d. Used only for aesthetic purposes
- 4. Which alternative therapy involves the insertion of thin needles into specific points on the body?**
 - a. Aromatherapy
 - b. Acupuncture
 - c. Homeopathy
 - d. Reflexology
- 5. What is the principle behind aromatherapy?**
 - a. Manipulating energy flow in the body
 - b. B) Use of scents to affect mood and health
 - c. C) Dilution of substances to activate the body's healing response
 - d. D) Application of pressure to specific reflex points
- 6. Homeopathy is based on the principle of:**
 - a. Like cures like
 - b. Opposites attract
 - c. The body's energy flow
 - d. Mind-body connection
- 7. What is an essential consideration when evaluating the safety of herbal remedies?**
 - a. Cultural popularity
 - b. B) Historical use only
 - c. C) Scientific evidence
 - d. D) Shelf life
- 8. Herbal-drug interactions refer to:**
 - a. Positive synergies between herbs and drugs
 - b. Neutral effects of herbs on drug efficacy
 - c. Adverse effects when herbs are taken with certain drugs
 - d. A marketing strategy for herbal supplements




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




AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES


(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

9. What does the term "Dosage and Administration" refer to in Herbal Medicine?
- The amount of herbs required for cultivation
 - The recommended amount and method of taking herbal remedies
 - The classification of different types of herbs
 - The historical use of herbs in ancient societies
10. In holistic health assessments, what aspects are considered?
- Physical, emotional, and spiritual
 - Only physical health
 - Only emotional health
 - Only spiritual health


Course Coordinator


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




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

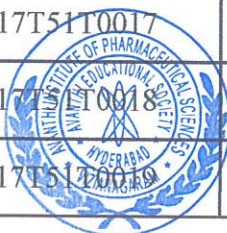
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Date : 21-02-2022 to 26-02-2022

No. of Students Enrolled : 26

Subject : "Herbal Medicine and Alternative Therapies" V 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



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in


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

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



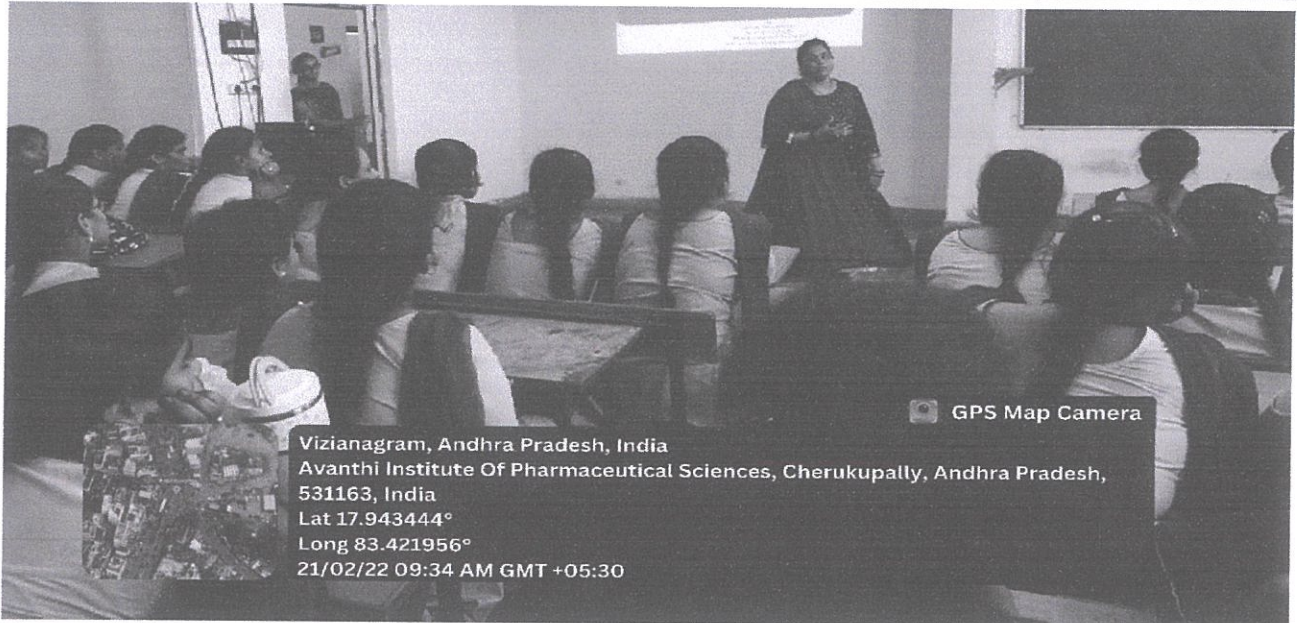

PRINCIPAL
Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



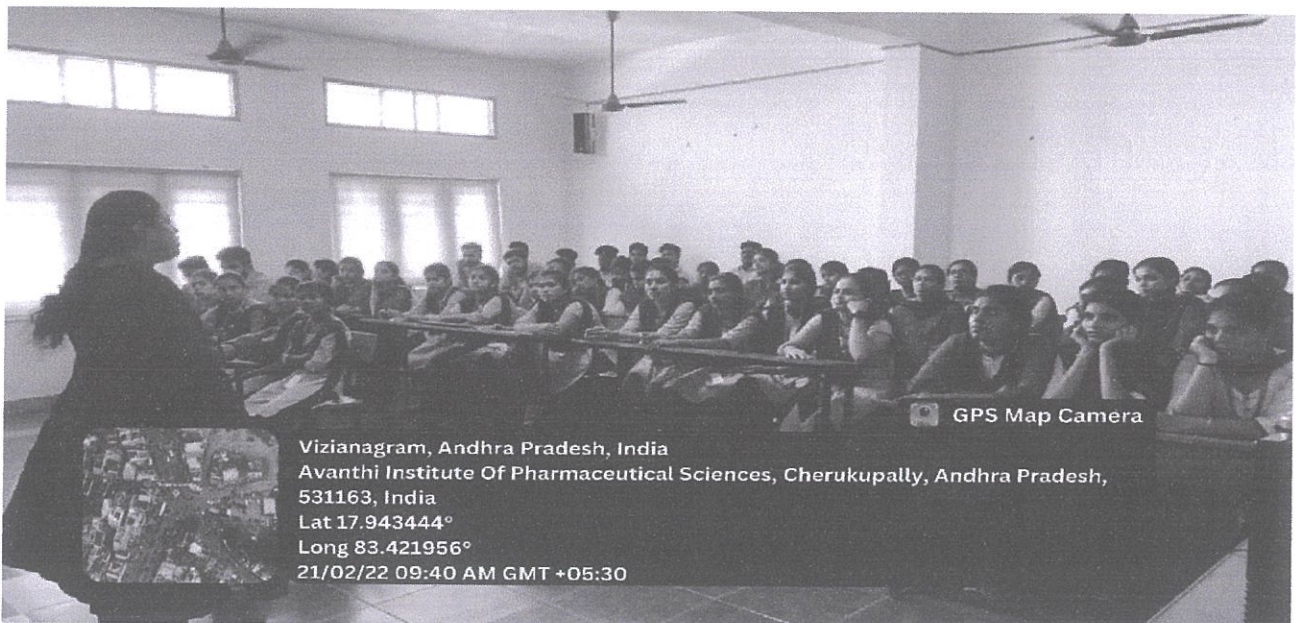
AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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



Vizianagaram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
21/02/22 09:34 AM GMT +05:30





Vizianagaram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
21/02/22 09:40 AM GMT +05:30

The students of 5th year Pharm. D certificate program attending “**HERBAL MEDICINE AND ALTERNATIVE THERAPIES**” by the Associate Professor Mrs. K. Swathi Priya, Srinivasa College of Pharmacy, P.M. Pallem, Visakhapatnam.




Course Coordinator


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


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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Date : 21-02-2022 to 26-02-2022

Subject : "Herbal Medicine and Alternative Therapies"

V Pharm. D

S. No	Roll No.	Student Name	21/02/22	22/02/22	23/02/22	24/02/22	25/02/22	26/02/22
1	17T51T0001	Akula Sanjuna Revathi	A	A	A	A	A	A
2	17T51T0002	Batchu Divya Vani	✓	✓	✓	A	✓	✓
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	A	A	A	A	A	A
19	17T51T0020	Pirla Dhanya Swaroopa	✓	✓	A	✓	✓	✓




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

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

Course Coordinator

HOD

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



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 21-02-2022 to 26-02-2022

No. of Students Enrolled : 26

Subject : "Herbal Medicine and Alternative Therapies" V Pharm. D

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	17T51T0001	Akula Sanjuna Revathi	NIL	0%
2	17T51T0002	Batchu Divya Vani	30	83%
3	17T51T0003	Bitra Tanish	36	100%
4	17T51T0004	Bonela Niharika	36	100%
5	17T51T0005	Chandanapalli Sai Himabindu	36	100%
6	17T51T0006	Dakamuri Kanaka Satya Vasantha Sena	36	100%
7	17T51T0007	Damodara Padmapriya	36	100%
8	17T51T0008	Gannamaneni Saipadmini	36	100%
9	17T51T0009	Ginne Himaja	36	100%
10	17T51T0010	Kalepu Manisha	36	100%
11	17T51T0011	Kari Sreevani	36	100%
12	17T51T0013	Shaik Nayab	36	100%
13	17T51T0014	Kolipaka Karishma	36	100%
14	17T51T0015	Kolla Jagadeeswari	36	100%
15	17T51T0016	Marothu Navya Sree	36	100%
16	17T51T0017	Mylapalli Abhisekhar	36	100%
17	17T51T0018	Kinnamal Prema Kumari	36	100%
18	17T51T0019	Penakota Akhila	36	100%



Principal
Avanathi Institute of Pharmaceutical Sciences

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

19	17T51T0020	Pirla Dhanya Swaroopa	NIL	0%.
20	17T51T0021	Pulugurtha Sumathya	30	83%.
21	17T51T0022	Savara Gunasekhar	36	100%.
22	17T51T0023	Shruti Bharadwaj	30	83%.
23	17T51T0024	Vejendla Geetha	24	66%.
24	17T51T0025	Tankala Mounika	30	83%.
25	17T51T0026	Mendemu Ratnajyothirmai	36	100%.
26	16T51T0003	B. Hemantha Nissi	36	100%.

Course Coordinator

HOD

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



PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi. Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

CERTIFICATE OF COMPLETION

This is presented to:

MAROTHU NAVYA SREE

Bearing roll, no **17T51T0016** pursuing **V Pharm D** has successfully completed value added course on
"HERBAL MEDICINE AND ALTERNATIVE THERAPIES"
held from 03-01-2022 to 08-01-2022 .

V. Umashankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

MYLAPALLI ABHIJSEKHAR

Bearing roll, no 17T51T0017 pursuing V Pharm D has successfully completed value added course on
“**HERBAL MEDICINE AND ALTERNATIVE THERAPIES**”
held from 03-01-2022 to 08-01-2022 .

V. Uma Sankar

Convener



J. V.

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

TANKALA MOUNJKA

Bearing roll, no 17T51T0025 pursuing V Pharm D has successfully completed value added course on
"HERBAL MEDICINE AND ALTERNATIVE THERAPIES"
held from 03-01-2022 to 08-01-2022 .

V. Uma Sankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

MENDEMU

Bearing roll, no **17T51T0026** pursuing **V Pharm D** has successfully completed value added course on
"HERBAL MEDICINE AND ALTERNATIVE THERAPIES"
held from 03-01-2022 to 08-01-2022 .

V. UmaSankar

Convener



[Signature]

Principal
PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

B. Hemantha Nissi

Bearing roll, no **16T51T0003** pursuing **V Pharm D** has successfully completed value added course on
"HERBAL MEDICINE AND ALTERNATIVE THERAPIES"
held from 03-01-2022 to 08-01-2022 .

V. UmaSankar

Convener



[Signature]

Principal

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/05

Date: 31-01-2022

CIRCULAR

This is to inform all the students of 6TH Pharm D that a value-added course will be conducted on the topic “Mastering Medication Therapy Management” from 07/02/2022 to 12/02/2022. Interested students are required to sign-up for the above-mentioned course with “**Dr. B. MANOJ KUMAR**” Associate Professor in the Department of Pharmacy.



[Handwritten Signature]
Principal

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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

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 JNTUK, Kakinada 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

Dr. B. Manoj Kumar,
Associate Professor,



Avanthy Institute of
Pharmaceutical
Sciences.

Organizing Committee

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

Dr. T. Rushi, Assistant Professor

Dr. B. Teja Sree, Assistant Professor

Members

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

6 Days Workshop

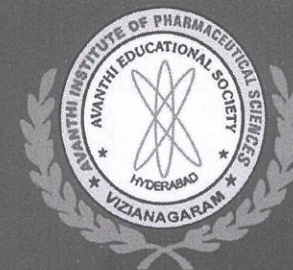
On

Mastering Medication Therapy Management

07/02/2022 - 12/02/2022

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,
GAPURAM(MANDAL), VIZIANAGARAM
-531162.

www.avanthipharma.ac.in



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Course Title	: Mastering Medication Therapy Management
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Dr. B. Manoj Kumar, Associate Professor
Course Coordinator	: Dr. V. C. Randeep Raj, Associate Professor
Dates	: 07-02-2022 to 12-02-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2021/10

Objectives:

- Define pharmacotherapy and explain its role in patient care.
- Identify the processes of drug development, approval, and marketing.
- Describe the principles of pharmacokinetics (absorption, distribution, metabolism, excretion).
- Explain how drugs exert their effects through pharmacodynamics and receptor interactions.
- Classify major cardiovascular medications based on therapeutic categories.
Understand the mechanisms of action and clinical applications of cardiovascular drugs.

Out comes:

- Define pharmacotherapy and explain its significance in patient care.
- Identify and articulate the stages of drug development, approval, and marketing.
- Explain how drugs exert their effects through pharmacodynamics and receptor interactions.
- Analyze the mechanisms of action and clinical applications of cardiovascular drugs.
- Classify and evaluate antibiotics, antivirals, and antifungals based on mechanisms of action.



[Signature]
PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Syllabus

1. Introduction to Pharmacotherapy

- Definition and scope of pharmacotherapy
- Drug development and approval processes
- Overview of drug classifications and therapeutic categories

2. Pharmacokinetics and Pharmacodynamics

- Understanding how drugs move in the body (absorption, distribution, metabolism, excretion)
- Mechanisms of drug action and receptor interactions
- Factors influencing drug response and variability

3. Cardiovascular Medications

- Antihypertensive, antiarrhythmic, and anticoagulants
- Management of dyslipidemia and heart failure
- Case studies and practical applications

4. Infectious Disease Therapeutics

- Antibiotics, antivirals, and antifungals
- Principles of antimicrobial stewardship
- Treatment of common infections and emerging issues

5. Central Nervous System Medications


- Analgesics, psychotropic, and anticonvulsants
- Treatment of neurological disorders
- Special considerations in psychiatric medication management

6. Endocrine and Metabolic Medications

- Diabetes management and antidiabetic medications
- Thyroid and adrenal medications
- Osteoporosis and metabolic syndrome therapeutics


Course Coordinator




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



Avanthi Institute of Pharmaceutical Sciences

PRINCIPAL

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



TIMETABLE

CLASS: VI 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	Mastering Medication Therapy Management	Break	Mastering Medication Therapy Management	Lunch	Mastering Medication Therapy Management	Mastering Medication Therapy Management	Break	Mastering Medication Therapy Management	Mastering Medication Therapy Management
TUE									
WED									
THU									
FRI									
SAT									


Course Coordinator


HOD

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




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)

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

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

Reference Book: "Pharmacotherapy: A Pathophysiologic Approach" is a widely used and respected textbook that covers a broad range of topics related to medication therapy. Written by Joseph T. DiPiro, Robert L. Talbert, Gary C. Yee, Gary R. Matzke, Barbara G. Wells, and L. Michael Posey,

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	07-02-2022	6hrs	1. Introduction to Pharmacotherapy <ul style="list-style-type: none">• Definition and scope of pharmacotherapy• Drug development and approval processes• Overview of drug classifications and therapeutic categories
2.		08-02-2022	6hrs	2. Pharmacokinetics and Pharmacodynamics <ul style="list-style-type: none">• Understanding how drugs move in the body (absorption, distribution, metabolism, excretion)• Mechanisms of drug action and receptor interactions• Factors influencing drug response and variability
3.		09-02-2022	6hrs	3. Cardiovascular Medications <ul style="list-style-type: none">• Antihypertensive, antiarrhythmic, and anticoagulants• Management of dyslipidemia and heart failure• Case studies and practical applications
4.		10-02-2022	6hrs	4. Infectious Disease Therapeutics <ul style="list-style-type: none">• Antibiotics, antivirals, and antifungals• Principles of antimicrobial stewardship• Treatment of common infections



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)

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

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


				and emerging issues
5.		11-02-2022	6hrs	5. Central Nervous System Medications <ul style="list-style-type: none">• Analgesics, psychotropic, and anticonvulsants• Treatment of neurological disorders• Special considerations in psychiatric medication management
6.		12-02-2022	6hrs	6. Endocrine and Metabolic Medications <ul style="list-style-type: none">• Diabetes management and antidiabetic medications• Thyroid and adrenal medications• Osteoporosis and metabolic syndrome therapeutics


Course Coordinator


HOD

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




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Assessment:

- 1. What is the primary role of pharmacotherapy in patient care?**
 - a. Prevention of diseases
 - b. Diagnosis of illnesses
 - c. Treatment of diseases using medications
 - d. Surgical interventions
- 2. Which of the following is a key phase in the drug development process?**
 - a. Prescription
 - b. Marketing
 - c. Dispensing
 - d. Approval
- 3. What does pharmacokinetics primarily focus on?**
 - a. Drug interactions
 - b. Drug movement in the body
 - c. Drug receptor interactions
 - d. Drug metabolism
- 4. Pharmacodynamics is concerned with:**
 - a. Drug absorption
 - b. Drug distribution
 - c. Drug effects and mechanisms of action
 - d. Drug metabolism
- 5. Which class of medications is commonly used to treat hypertension?**
 - a. Beta-blockers
 - b. Anticoagulants
 - c. Antibiotics
 - d. Diuretics
- 6. What is the primary mechanism of action of antiarrhythmic medications?**
 - a. Lowering blood pressure
 - b. Restoring normal heart rhythm
 - c. Preventing blood clot formation
 - d. Dilating blood vessels
- 7. What is a fundamental principle of antimicrobial stewardship?**
 - a. Aggressive use of broad-spectrum antibiotics
 - b. Prolonged courses of antibiotic therapy
 - c. Rational and judicious use of antimicrobials
 - d. Disregarding antibiotic resistance
- 8. Which category of antibiotics is commonly used to treat Gram-negative bacterial infections?**
 - a. Penicillins
 - b. Macrolides
 - c. Cephalosporins
 - d. Tetracyclines




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

9. What is the primary use of antipsychotic medications?

- a. Pain management
- b. Treatment of seizure
- c. Management of psychiatric disorders
- d. Anxiety relief

10. Analgesics are primarily used for:

- a. Lowering blood pressure
- b. Controlling pain
- c. Treating infections
- d. Improving mood


Course Coordinator


HOD

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


PRINCIPAL

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





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)

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

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

Date : 07-02-2022 to 12-02-2022

No. of Students Enrolled : 28

Subject : "Mastering Medication Therapy Management" VI Pharm. D

S. No	Roll No.	Student Name
1	16T51T0001	Agata Sireesha
2	16T51T0002	Asi Jaya Lakshmi
3	16T51T0004	Bolem Omkar
4	16T51T0006	Dabbiru Mydhini
5	16T51T0007	Gujju Emmanuel
6	16T51T0008	J.Prameela
7	16T51T0009	Kotagiri Jyotsna Sai Mahitha
8	16T51T0010	Lekkala Raviteja
9	16T51T0011	Matlapudi Sudeer Kumar
10	16T51T0012	Mattapalli Glory
11	16T51T0013	Murala Prasanthi
12	16T51T0014	Nakka Hema Madhuri
13	16T51T0015	Nandam Thanusha
14	16T51T0016	Nandula Durga Sri Lalitha
15	16T51T0017	P P Ramiya
16	16T51T0018	Palikila Rishitha Reddy
17	16T51T0019	Polaki Jyoshna
18	16T51T0020	Prathul Painsani


PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., 531162

Avanathi Institute of Pharmaceutical Sciences





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

19	16T51T0021	Sanaboina Akhila
20	16T51T0022	Sanniboyina Bhavya Anusha
21	16T51T0023	Sheik Sanjeeda Amreen
22	16T51T0024	Timmana Venkata Sai Geethika
23	16T51T0026	Yelleti Sainandini
24	16T51T0027	M. Supriya Mani
25	16T51T0029	L. Manoj Reddy
26	16T51T0030	T. Bal aSaraswathi
27	15T51T0009	K Sowjanya
28	15T51T0018	G Oriana Crystal

Course Coordinator

HOD

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

PRINCIPAL

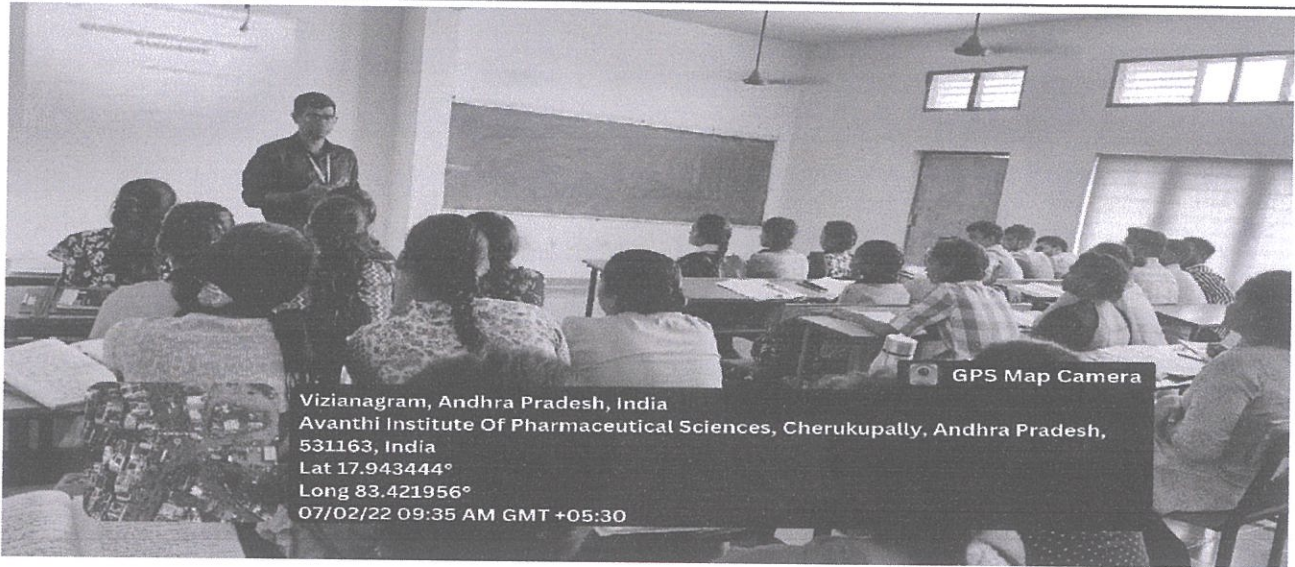
Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



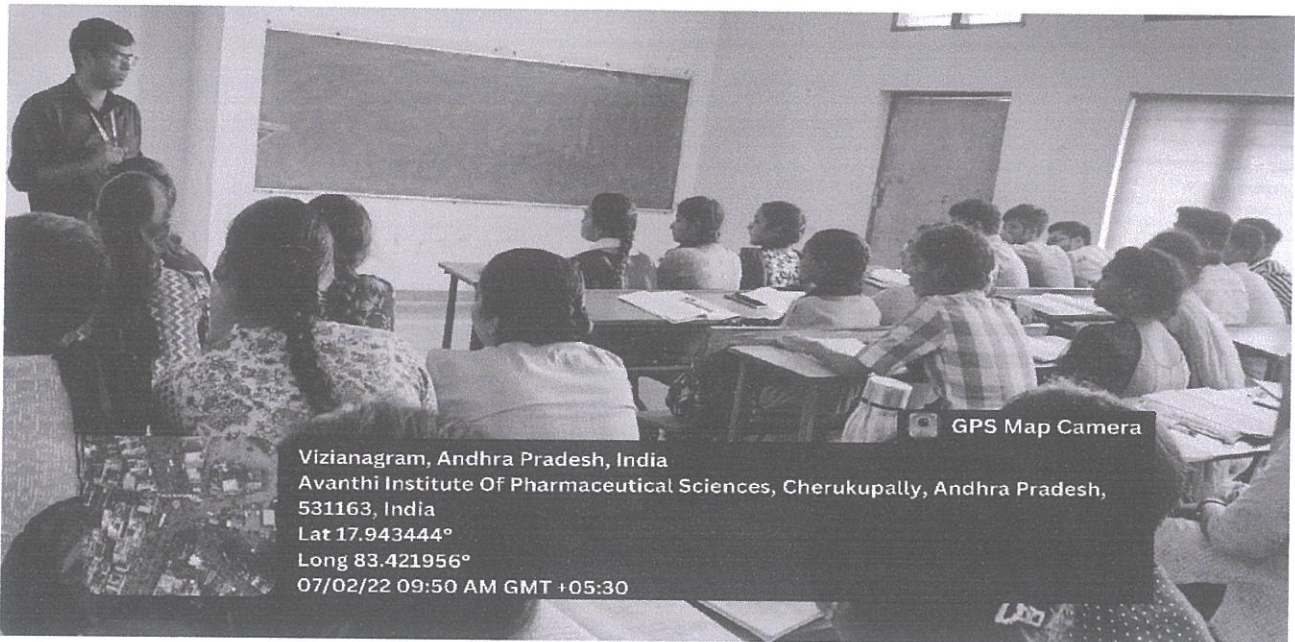


AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in




GPS Map Camera
Vizianagram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
07/02/22 09:35 AM GMT +05:30



GPS Map Camera
Vizianagram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
07/02/22 09:50 AM GMT +05:30

The students of 6th year Pharm. D certificate program attending “**MASTERING MEDICATION THERAPY MANAGEMENT**” by the Associate Professor Dr. B. Manoj Kumar


Course Coordinator


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




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

ESTD : 2005

Date : 07-02-2022 to 12-02-2022


Subject : "Mastering Medication Therapy Management"

VI Pharm. D

S. No	Roll No.	Student Name	07/02/22	08/02/22	09/02/22	10/02/22	11/02/22	12/02/22
1	16T51T0001	Agata Sireesha	✓	✓	✓	A	✓	✓
2	16T51T0002	Asi Jaya Lakshmi	A	✓	✓	✓	✓	A
3	16T51T0004	Bolem Omkar	✓	✓	A	✓	✓	✓
4	16T51T0006	Dabbiru Mydhini	✓	✓	✓	✓	✓	✓
5	16T51T0007	Gujju Emmanuel	A	A	A	A	A	A
6	16T51T0008	J.Prameela	✓	A	✓	✓	✓	✓
7	16T51T0009	Kotagiri Jyotsna Sai Mahitha	✓	✓	✓	A	✓	✓
8	16T51T0010	Lekkala Raviteja	✓	✓	A	✓	✓	A
9	16T51T0011	Matlapudi Sudeer Kumar	✓	A	✓	✓	A	✓
10	16T51T0012	Mattapalli Glory	✓	✓	✓	✓	✓	✓
11	16T51T0013	Murala Prasanthi	A	✓	✓	✓	✓	✓
12	16T51T0014	Nakka Hema Madhuri	✓	✓	✓	✓	✓	A
13	16T51T0015	Nandam Thanusha	✓	A	✓	A	✓	✓
14	16T51T0016	Nandula Durga Sri Lalitha	A	✓	✓	✓	A	✓
15	16T51T0017	P P Ramiya	✓	✓	A	✓	✓	✓
16	16T51T0018	Palikila Rishitha Reddy	✓	A	✓	✓	✓	A
17	16T51T0019	Polaki Jyoshna	✓	✓	✓	✓	A	✓
18	16T51T0020	Prathul Paingoli	✓	✓	A	A	✓	✓
19	16T51T0021	Sanaboina Akhila	A	✓	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

20	16T51T0022	Sanniboyina Bhavya Anusha	✓	✓	A	✓	✓	A
21	16T51T0023	Sheik Sanjeeda Amreen	A	✓	✓	✓	A	✓
22	16T51T0024	Timmana Venkata Sai Geethika	✓	A	✓	A	✓	✓
23	16T51T0026	Yelleti Sainandini	✓	✓	A	✓	✓	✓
24	16T51T0027	M. Supriya Mani	A	✓	✓	✓	A	✓
25	16T51T0029	L. Manoj Reddy	✓	A	✓	✓	✓	A
26	16T51T0030	T. Bal aSaraswathi	✓	✓	✓	A	✓	A
27	15T51T0009	K Sowjanya	✓	✓	✓	✓	✓	✓
28	15T51T0018	G Oriana Crystal	A	A	A	A	A	A

Course Coordinator

HOD

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



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 07-02-2022 to 12-02-2023

No. of Students Enrolled : 28

Subject : "Mastering Medication Therapy Management" VI Pharm. D

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	16T51T0001	Agata Sireesha	30	83%
2	16T51T0002	Asi Jaya Lakshmi	24	66%
3	16T51T0004	Bolem Omkar	30	83%
4	16T51T0006	Dabbiru Mydhini	36	100%
5	16T51T0007	Gujju Emmanuel	NIL	0%
6	16T51T0008	J.Prameela	30	83%
7	16T51T0009	Kotagiri Jyotsna Sai Mahitha	30	83%
8	16T51T0010	Lekkala Raviteja	24	66%
9	16T51T0011	Matlapudi Sudeer Kumar	24	66%
10	16T51T0012	Mattapalli Glory	36	100%
11	16T51T0013	Murala Prasanthi	30	83%
12	16T51T0014	Nakka Hema Madhuri	30	83%
13	16T51T0015	Nandam Thanusha	24	66%
14	16T51T0016	Nandula Durga Sri Lalitha	24	66%
15	16T51T0017	P P Ramiya	30	83%
16	16T51T0018	Palikila Rishitha Reddy	24	66%
17	16T51T0019	Polaki Jyoshna	30	83%
18	16T51T0020	Prathul Paingoli	24	66%



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

19	16T51T0021	Sanaboina Akhila	30	83%
20	16T51T0022	Sanniboyina Bhavya Anusha	24	66%
21	16T51T0023	Sheik Sanjeeda Amreen	24	66%
22	16T51T0024	Timmana Venkata Sai Geethika	24	66%
23	16T51T0026	Yelleti Sainandini	30	83%
24	16T51T0027	M. Supriya Mani	24	66%
25	16T51T0029	L. Manoj Reddy	24	66%
26	16T51T0030	T. Bal aSaraswathi	24	66%
27	15T51T0009	K Sowjanya	36	100%
28	15T51T0018	G Oriana Crystal	NIL	0%


Course Coordinator


HOD

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




PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

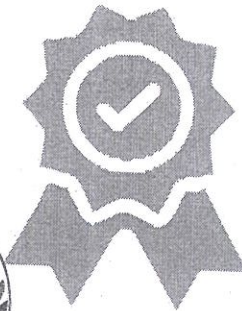
This is presented to:

DABBJRU MYDHJNJ

Bearing roll, no **16T51T0006** pursuing **VI Pharm D** has successfully completed value added course on
“MASTERING MEDICATION THERAPY MANAGEMENT”
held from 07-02-2022 to 12-02-2022 .

V. UmaSankar

Convener



[Signature]

PRINCIPAL

Principal
Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

MATLAPUDJ SUDEER KUMAR

Bearing roll, no 16T51T0011 pursuing VI Pharm D has successfully completed value added course on
“**MASTERING MEDICATION THERAPY MANAGEMENT**”
held from 07-02-2022 to 12-02-2022 .

V. UmaSankar

Convener



[Signature]

Principal

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

MATTAPALLI GLORY

Bearing roll, no 16T51T0012 pursuing VI Pharm D has successfully completed value added course on
“**MASTERING MEDICATION THERAPY MANAGEMENT**”
held from 07-02-2022 to 12-02-2022 .

V. Uma Sankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

L. MANOJ REDDY

Bearing roll, no **16T51T0029** pursuing **VI Pharm D** has successfully completed value added course on
"MASTERING MEDICATION THERAPY MANAGEMENT"
held from 07-02-2022 to 12-02-2022.

V. Uma Sankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

G ORJANA CRYSTAL

Bearing roll, no 15T51T0018 pursuing VI Pharm D has successfully completed value added course on
“**MASTERING MEDICATION THERAPY MANAGEMENT**”
held from 07-02-2022 to 12-02-2022 .

V. Uma Sankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/06

Date: 07-02-2022

CIRCULAR

This is to inform all the students of 4TH B.Pharm that a value-added course will be conducted on the topic “statistical software used in pharmacy practice” from 14/02/2022 to 19/02/2022. Interested students are required to sign-up for the above-mentioned course with “**Mr. JAGADISHWAR RAO**” Managing Director in the Crystal Management Services, Dwaraka Nagar, Vishakapatnam.



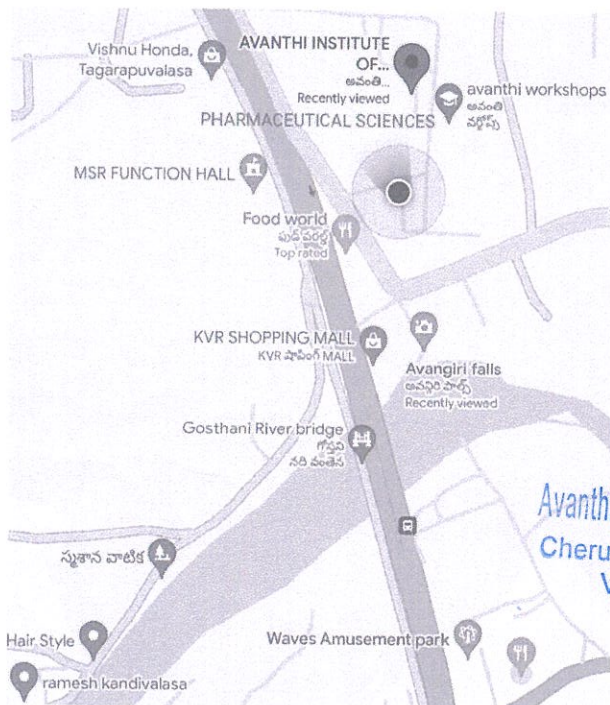
Principal
Principal

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

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 JNTUK, Kakinada 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



Mr. Jagadishwar Rao,

Managing Director,

Crystal Management Services

Organizing Committee

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

Mr. K.B.K. Raju, Assistant Professor

Mrs. A. Adi Lakshmi, Associate

PRINCIPAL

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

the department
of Pharmaceutical Sciences of the
host institute

6 Days Workshop

On

Statistical Softwares used in Pharmacy Practice

14-02-2022 to 19-02-2022

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,
BHOGAPURAM(MANDAL), VIZIANAGARAM
-531162.

www.avanthipharma.ac.in





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Course Title	: Statistical software used in Pharmacy Practice
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-22
Course Instructor	: Mr. Jagadishwar Rao, Managing Director, Crystal Management Services, Dwarakanagar, Vishakapatnam
Course Coordinator	: Mrs. B. Sravani, Associate Professor
Dates	: 14-02-2022 to 19-02-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/ B. Pharm/2021/06

Objectives:

- Evaluate the effectiveness and safety of pharmaceutical interventions
- Assess potential interactions between different drugs
- Study the absorption, distribution, metabolism, and excretion of drugs in the body
- Monitor and ensure the quality of pharmaceutical products
- Optimize inventory levels and manage pharmacy operations efficiently
- Compare the bioavailability and bioequivalence of different formulations of the same drug

Out comes:

- Seeing positive changes in a person's health after taking medicine or receiving treatment
- Checking if the medicine is safe and doesn't cause harmful side effects
- Figuring out if the medicine is worth the cost and if it's a good use of money
- Watching for signs that things are getting better, even if the final goal hasn't been reached
- Seeing how well a medicine does what it's supposed to do




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Syllabus

1. Introduction of Statistical software:

- Pharmacy goes beyond just giving out medicines.
- It's about improving people's health.
- The outcomes are the results of treatments and medicines.
- We use computer tools to analyse and understand the outcomes.
- Do they really make people feel better?
- The computer tools act like a guide for healthcare professionals
- We'll explore why these tools are crucial for your health

2. Introduction to Statistical Concepts

- Overview of basic statistical concepts
- Importance of statistics in pharmacy research and practice

3. Introduction to Statistical Software

- Familiarization with popular statistical software (e.g., R, SAS, SPSS)
- Basic operations and data input/output

4. Descriptive Statistics in Pharmacy

- Measures of central tendency and dispersion
- Graphical representation of pharmaceutical data

5. Inferential Statistics in Pharmacy

- Hypothesis testing and confidence intervals
- Understanding p-values and statistical significance

6. Application in Clinical Trials

- Overview of clinical trial design
- Statistical considerations in clinical research

Pravani
Course Coordinator



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

Praveena
PRINCIPAL



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)

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

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

TIMETABLE

CLASS: IVB. 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	Statistical software used in Pharmacy Practice	Break	Statistical software used in Pharmacy Practice	Lunch	Statistical software used in Pharmacy Practice	Statistical software used in Pharmacy Practice	Break	Statistical software used in Pharmacy Practice	Statistical software used in Pharmacy Practice
TUE									
WED									
THU									
FRI									
SAT									

S. Praveen
Course Coordinator

V. Neelima
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

6.		20-02-2021	6hrs	6. Application in Clinical Trials <ul style="list-style-type: none">• Overview of clinical trial design• Statistical considerations in clinical research
----	--	------------	------	--

Pravani
Course Coordinator

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



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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Assessment:

1. **What is the correct definition of "central tendency" in statistics?**
 - a. The spread of data values
 - b. The measure of the center of a data set
 - c. The analysis of outliers in a dataset
 - d. The variability of sample means
2. **Why are statistical methods important in pharmacy research?**
 - a. To make data more complex
 - b. To generate more questions
 - c. To enhance decision-making
 - d. To complicate data analysis
3. **Which option represents a basic operation in statistical software?**
 - a. Formatting a Word document
 - b. Creating a PowerPoint presentation
 - c. Performing calculations on a dataset
 - d. Sending an email
4. **How do you input data into statistical software?**
 - a. By using a calculator
 - b. By typing it manually
 - c. By drawing a graph
 - d. By making a phone call
5. **What is the correct measure of central tendency to use when dealing with outliers?**
 - a. Mean
 - b. Median
 - c. Mode
 - d. Standard Deviation
6. **Which graph is most suitable for displaying the distribution of medication dosages in a pharmacy?**
 - a. Bar chart
 - b. Pie chart
 - c. Histogram
 - d. Line chart
7. **What is the correct measure of central tendency to use when dealing with outliers?**
 - a. Mean
 - b. Median
 - c. Mode
 - d. Standard Deviation




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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)

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

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

8. Which graph is most suitable for displaying the distribution of medication dosages in a pharmacy?
 - a. Bar chart
 - b. Pie chart
 - c. Histogram
 - d. Line chart
9. What is a key statistical consideration when designing clinical trials?
 - a. Selecting the most expensive participants
 - b. Ensuring the study has a large sample size
 - c. Minimizing bias and randomizing treatments
 - d. Ignoring the control group
10. Which statistical method is commonly used for managing and analysing clinical trial data?
 - a. Descriptive statistics
 - b. Bayesian analysis
 - c. Non-parametric tests
 - d. Analysis of variance (ANOVA)

B. Sravan
Course Coordinator

N. Neelima
HOD

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



Principal
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 14-02-2022 to 19-02-2022

No. of Students Enrolled : 77

Subject : "Statistical software used in Pharmacy Practice"
IV B. Pharmacy

S. No	Roll No.	Student Name
1	18T51R0001	Asha Pasala
2	18T51R0002	Baddem Bhargavi
3	18T51R0003	Bantubilli Sukanya
4	18T51R0004	Bammidi Vidyasagar
5	18T51R0005	Biddika Chandini
6	18T51R0006	Chekuri Meghana
7	18T51R0007	Chelluboina Prasanna Lakshmi
8	18T51R0008	Dantla Poorna Sai
9	18T51R0009	Dasari Ruchitha Reddy
10	18T51R0010	Dasi reddy Saisri
11	18T51R0011	Devisetti Sri Bhavya Viharika
12	18T51R0012	Doddi Sai Madhuri
13	18T51R0014	Eepari Lahari
14	18T51R0015	Gandi Spandana
15	18T51R0016	Ganesh Sri Harsha
16	18T51R0017	Gari Swetha
17	18T51R0018	Gedala Pullaiah Verma
18	18T51R0020	Gollapudi Parika



PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

19	18T51R0021	Gubbala Purna Sai Ganesh
20	18T51R0022	Gulipalli Kalyani
21	18T51R0023	Gullipalli Rohini
22	18T51R0024	Guruvelli Tejaswi
23	18T51R0025	J Deepika Rao
24	18T51R0026	Jamana Meghana
25	18T51R0027	Kalavalapalli Ramani
26	18T51R0028	Kalla Tejasree
27	18T51R0029	Kamireddy Himaja
28	18T51R0030	Karaka Naresh
29	18T51R0031	Kasireddi Ramalakshmi
30	18T51R0032	Kimidi Niharika
31	18T51R0033	Korada Prameela
32	18T51R0034	Kota Neeraja
33	18T51R0035	Kotipalli Prathap Kumar
34	18T51R0036	Kupireddi Maneesha
35	18T51R0038	Madaka Divya Sai
36	18T51R0039	Madaka Revathi
37	18T51R0040	Makireddy Kusuma
38	18T51R0041	Maradabudi Joshna
39	18T51R0042	Marpu Durgabhavani
40	18T51R0043	Matha Sunitha


PRINCIPAL

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

Avanthi Institute of Pharmaceutical Sciences





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

41	18T51R0044	Medapalli Deepthi
42	18T51R0045	Mindi Savithri
43	18T51R0046	Modalavalasa Sowmya
44	18T51R0047	Mosuru Praveen Kumar
45	18T51R0048	Mudadla Tarun
46	18T51R0049	Nookala Venkata Lakshmi
47	18T51R0050	P Sneha
48	18T51R0052	Palli Joshana
49	18T51R0054	Pedada Nirosha
50	18T51R0055	Perumalla Meena Kumari
51	18T51R0056	Pilaka Neha
52	18T51R0057	Pilla Chandrika Lakshmi
53	18T51R0058	Pinninti Viswateja
54	18T51R0059	Pondari Rashmitha
55	18T51R0060	Pontapalli Bharathi
56	18T51R0061	Puppala Shrayya
57	18T51R0062	Rajamahendrarapuram Surekha
58	18T51R0063	Rana Pramojeeta Pramod kumar
59	18T51R0064	Rayapalli HemaLatha
60	18T51R0065	Rokkala Prasanthi
61	18T51R0066	Rudrakshula Saipreethi
62	18T51R0067	Sagiri Priyanka



[Signature]
PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

63	18T51R0068	Sayyad Abdul Ruksana
64	18T51R0069	Seemusiri Usha Ramani
65	18T51R0070	Siraparapu Sridevi
66	18T51R0073	Tadi Anita
67	18T51R0074	Teppala Tirupathi
68	18T51R0075	Turubilli Satish
69	18T51R0077	Tuta Teena Mounika
70	18T51R0078	Uppati Latha
71	18T51R0079	Vallisetti Aravind
72	18T51R0080	Varri Naga Gowthami
73	18T51R0081	Vataka Praveen
74	18T51R0082	Vemagiri Rajkamal
75	18T51R0083	Yanumula Thrinadh Reddy
76	18T51R0084	Yeddu Iswaryadevi
77	17T51R0075	K Chinna Reddy

Sravani
Course Coordinator

N. Neelina
HOD



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

Principal
PRINCIPAL

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

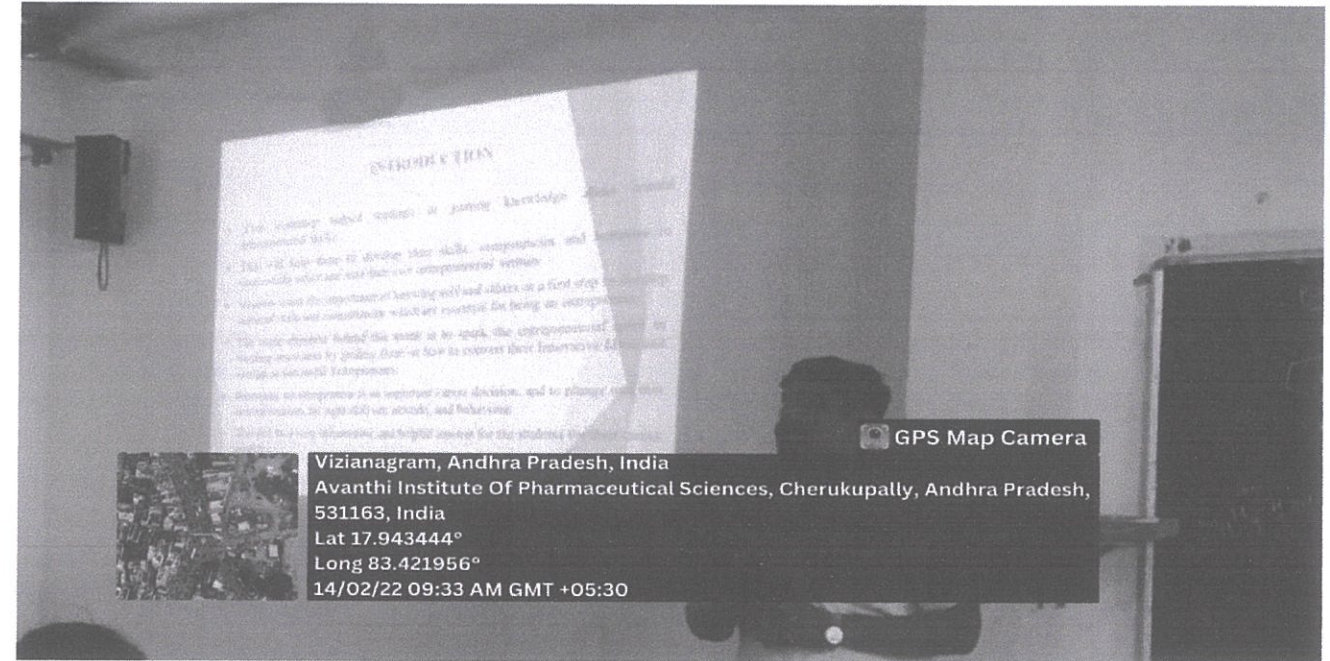


AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)

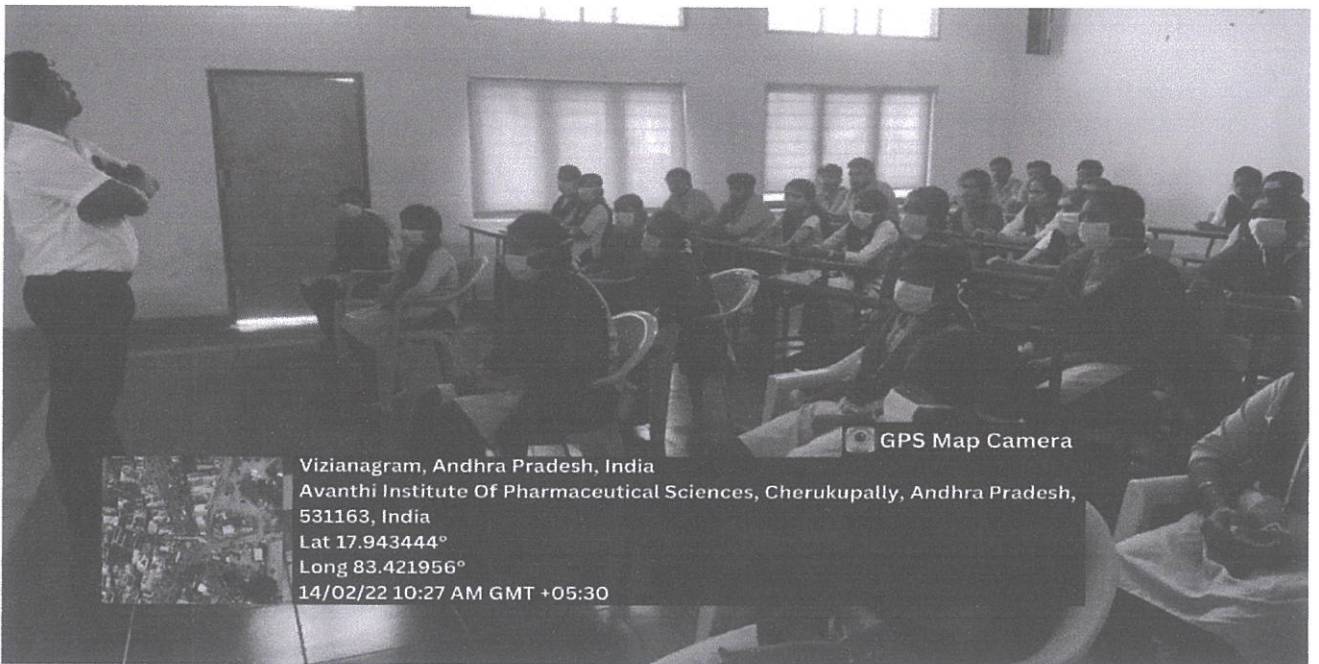
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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



Vizianagaram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
14/02/22 09:33 AM GMT +05:30

GPS Map Camera



Vizianagaram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
14/02/22 10:27 AM GMT +05:30

GPS Map Camera

The students of 4th year B. Pharmacy certificate program attending “**STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE**” by Mr. Jagadishwar Rao, Managing Director, Crystal Management Services, Dwarakanagar, Vishakapatnam.

Shravani
Course Coordinator



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

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 14-02-2022 to 19-02-2022

Subject : "Statistical software used in Pharmacy Practice"

IV B. Pharmacy

S. No	Roll No.	Student Name	14/02/22	15/02/22	16/02/22	17/02/22	18/02/22	19/02/22
1	18T51R0001	Asha Pasala	A	✓	✓	✓	A	✓
2	18T51R0002	Baddem Bhargavi	✓	✓	A	A	✓	✓
3	18T51R0003	Bantubilli Sukanya	✓	✓	✓	✓	✓	✓
4	18T51R0004	Bammidi Vidyasagar	A	A	A	A	A	A
5	18T51R0005	Biddika Chandini	✓	✓	✓	✓	✓	✓
6	18T51R0006	Chekuri Meghana	✓	✓	✓	✓	✓	A
7	18T51R0007	Chelluboina Prasanna Lakshmi	A	✓	A	✓	✓	✓
8	18T51R0008	Dantla Poorna Sai	✓	A	✓	A	✓	✓
9	18T51R0009	Dasari Ruchitha Reddy	✓	✓	✓	✓	A	✓
10	18T51R0010	Dasi reddy Saisri	A	✓	A	✓	✓	A
11	18T51R0011	Devisetti Sri Bhavya Viharika	✓	A	✓	✓	A	✓
12	18T51R0012	Doddi Sai Madhuri	✓	✓	✓	A	✓	✓
13	18T51R0014	Eepari Lahari	✓	✓	A	✓	✓	✓
14	18T51R0015	Gandi Spandana	A	A	✓	✓	✓	✓
15	18T51R0016	Ganesh Sri Harsha	✓	✓	✓	A	A	✓
16	18T51R0017	Gari Swetha	A	✓	✓	✓	✓	A
17	18T51R0018	Gedala Pullaiah Verma	✓	✓	A	✓	A	✓
18	18T51R0020	Gollangi Harika	✓	A	✓	A	✓	✓
19	18T51R0021	Gubbala Purna Sai Ganesh	A	✓	✓	✓	✓	A

Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E. PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

20	18T51R0022	Gulipalli Kalyani	✓	✓	✓	A	✓	✓
21	18T51R0023	Gullipalli Rohini	A	✓	✓	✓	A	✓
22	18T51R0024	Guruvelli Tejaswi	✓	A	✓	A	✓	✓
23	18T51R0025	J Deepika Rao	✓	✓	A	✓	✓	✓
24	18T51R0026	Jamana Meghana	A	A	✓	✓	✓	✓
25	18T51R0027	Kalavalapalli Ramani	✓	✓	✓	✓	A	A
26	18T51R0028	Kalla Tejasree	A	✓	✓	A	✓	✓
27	18T51R0029	Kamireddy Himaja	✓	✓	✓	✓	✓	A
28	18T51R0030	Karaka Naresh	✓	✓	A	✓	A	✓
29	18T51R0031	Kasireddi Ramalakshmi	✓	✓	✓	A	✓	✓
30	18T51R0032	Kimidi Niharika	✓	A	✓	✓	✓	✓
31	18T51R0033	Korada Prameela	✓	✓	A	✓	✓	✓
32	18T51R0034	Kota Neeraja	✓	✓	✓	✓	A	✓
33	18T51R0035	Kotipalli Prathap Kumar	A	A	A	A	A	A
34	18T51R0036	Kupireddi Maneesha	✓	✓	✓	✓	✓	A
35	18T51R0038	Madaka Divya Sai	✓	✓	✓	A	✓	✓
36	18T51R0039	Madaka Revathi	A	✓	✓	✓	✓	✓
37	18T51R0040	Makireddy Kusuma	✓	✓	A	✓	A	✓
38	18T51R0041	Maradabudi Joshna	✓	A	✓	✓	✓	A
39	18T51R0042	Marpu Durgabhavani	✓	✓	✓	✓	✓	✓
40	18T51R0043	Matha Sunitha	A	✓	✓	A	✓	✓
41	18T51R0044	Medapalli Deepthi	✓	✓	✓	✓	A	A
42	18T51R0045	Mindi Savithri	✓	A	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)

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

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

43	18T51R0046	Modalavalasa Sowmya	✓	✓	✓	A	✓	✓
44	18T51R0047	Mosuru Praveen Kumar	✓	A	✓	✓	A	✓
45	18T51R0048	Mudadla Tarun	✓	✓	A	✓	✓	✓
46	18T51R0049	Nookala Venkata Lakshmi	✓	✓	✓	✓	✓	A
47	18T51R0050	P Sneha	A	A	✓	✓	A	✓
48	18T51R0052	Palli Joshana	✓	✓	✓	A	✓	✓
49	18T51R0054	Pedada Nirosha	✓	✓	A	✓	✓	A
50	18T51R0055	Perumalla Meena Kumari	✓	A	✓	✓	✓	✓
51	18T51R0056	Pilaka Neha	✓	✓	✓	A	A	✓
52	18T51R0057	Pilla Chandrika Lakshmi	✓	✓	✓	✓	✓	✓
53	18T51R0058	Pinninti Viswateja	A	A	A	A	A	A
54	18T51R0059	Pondari Rashmitha	✓	✓	✓	✓	✓	✓
55	18T51R0060	Pontapalli Bharathi	✓	✓	✓	✓	✓	✓
56	18T51R0061	Puppala Shravya	A	✓	✓	A	✓	✓
57	18T51R0062	Rajamahendrarapuram Surekha	✓	✓	A	✓	A	✓
58	18T51R0063	Rana Pramojeeta Pramod kumar	✓	A	✓	✓	✓	A
59	18T51R0064	Rayapalli HemaLatha	A	✓	✓	✓	✓	✓
60	18T51R0065	Rokkala Prasanthi	✓	✓	✓	A	A	✓
61	18T51R0066	Rudrakshula Saipreethi	✓	✓	A	✓	✓	✓
62	18T51R0067	Sagiraju Priyanka	✓	✓	✓	A	✓	A
63	18T51R0068	Sayyad Abdul Ruksana	A	✓	✓	✓	✓	✓
64	18T51R0069	Seemusiri Usha Ramani	✓	A	✓	A	✓	✓
65	18T51R0070	Siraparapu Sridevi	✓	✓	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)

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

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

66	18T51R0073	Tadi Anita	✓	✓	✓	✓	A	✓
67	18T51R0074	Teppala Tirupathi	A	A	A	A	A	A
68	18T51R0075	Turubilli Satish	✓	✓	✓	A	✓	✓
69	18T51R0077	Tuta Teena Mounika	A	✓	✓	✓	✓	A
70	18T51R0078	Uppati Latha	✓	✓	A	✓	✓	✓
71	18T51R0079	Valliseti Aravind	A	A	A	A	A	A
72	18T51R0080	Varri Naga Gowthami	✓	✓	✓	✓	✓	✓
73	18T51R0081	Vataka Praveen	✓	✓	✓	✓	✓	✓
74	18T51R0082	Vemagiri Rajkamal	A	A	A	A	A	A
75	18T51R0083	Yanumula Thrinadh Reddy	✓	✓	✓	A	A	✓
76	18T51R0084	Yeddu Iswaryadevi	✓	A	✓	✓	✓	✓
77	17T51R0075	K Chinna Reddy	✓	✓	✓	A	✓	A

Course Coordinator

HOD

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



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 14-02-2022 to 19-02-2022
No. of Students Enrolled : 77
Subject : "Statistical software used in Pharmacy Practice"
IV B.Pharmacy

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	18T51R0001	Asha Pasala	24	66%
2	18T51R0002	Baddem Bhargavi	24	66%
3	18T51R0003	Bantubilli Sukanya	36	100%
4	18T51R0004	Bammidi Vidyasagar	NIL	0%
5	18T51R0005	Biddika Chandini	36	100%
6	18T51R0006	Chekuri Meghana	30	83%
7	18T51R0007	Chelluboina Prasanna Lakshmi	24	66%
8	18T51R0008	Dantla Poorna Sai	24	66%
9	18T51R0009	Dasari Ruchitha Reddy	30	83%
10	18T51R0010	Dasi reddySaisri	18	50%
11	18T51R0011	Devisetti Sri Bhavya Viharika	24	66%
12	18T51R0012	Doddi Sai Madhuri	30	83%
13	18T51R0014	Eepari Lahari	30	83%
14	18T51R0015	Gandi Spandana	24	66%
15	18T51R0016	Ganesh Sri Harsha	24	66%
16	18T51R0017	Gari Swetha	24	66%
17	18T51R0018	Gedala Pullaiah Verma	24	66%
18	18T51R0020	Gollangi Harika	24	66%



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

19	18T51R0021	Gubbala Purna Sai Ganesh	24	66%
20	18T51R0022	Gulipalli Kalyani	30	83%
21	18T51R0023	Gullipalli Rohini	24	66%
22	18T51R0024	Guruvelli Tejaswi	24	66%
23	18T51R0025	J Deepika Rao	30	83%
24	18T51R0026	Jamana Meghana	24	66%
25	18T51R0027	Kalavalapalli Ramani	24	66%
26	18T51R0028	Kalla Tejasree	24	66%
27	18T51R0029	Kamireddy Himaja	30	83%
28	18T51R0030	Karaka Naresh	24	66%
29	18T51R0031	Kasireddi Ramalakshmi	30	83%
30	18T51R0032	Kimidi Niharika	30	83%
31	18T51R0033	Korada Prameela	30	83%
32	18T51R0034	Kota Neeraja	30	83%
33	18T51R0035	Kotipalli Prathap Kumar	NIL	0%
34	18T51R0036	Kupireddi Maneesha	30	83%
35	18T51R0038	Madaka Divya Sai	30	83%
36	18T51R0039	Madaka Revathi	30	83%
37	18T51R0040	Makireddy Kusuma	24	66%
38	18T51R0041	Maradabudi Joshna	24	66%
39	18T51R0042	Marpu Durgabhavani	36	100%
40	18T51R0043	Matha Sunitha	24	66%
41	18T51R0044	Medapalli Deepthi	24	66%



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

42	18T51R0045	Mindi Savithri	30	83%
43	18T51R0046	Modalavalasa Sowmya	30	83%
44	18T51R0047	Mosuru Praveen Kumar	24	66%
45	18T51R0048	Mudadla Tarun	30	83%
46	18T51R0049	Nookala Venkata Lakshmi	30	83%
47	18T51R0050	P Sneha	18	58%
48	18T51R0052	Palli Joshana	30	83%
49	18T51R0054	Pedada Nirosha	24	66%
50	18T51R0055	Perumalla Meena Kumari	30	83%
51	18T51R0056	Pilaka Neha	24	66%
52	18T51R0057	Pilla Chandrika Lakshmi	36	100%
53	18T51R0058	Pinninti Viswateja	NIL	0%
54	18T51R0059	Pondari Rashmitha	36	100%
55	18T51R0060	Pontapalli Bharathi	36	100%
56	18T51R0061	Puppala Shravya	24	66%
57	18T51R0062	Rajamahendrarapuram Surekha	24	66%
58	18T51R0063	Rana Pramojeeta Pramod kumar	24	63%
59	18T51R0064	Rayapalli HemaLatha	30	83%
60	18T51R0065	Rokkala Prasanthi	24	66%
61	18T51R0066	Rudrakshula Saipreethi	30	83%
62	18T51R0067	Sagiraju Priyanka	24	67%
63	18T51R0068	Sayyad Abdul Ruksana	30	83%
64	18T51R0069	Seemusiri Usha Ramani	24	66%



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUk, Kakinada)

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

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

65	18T51R0070	Siraparapu Sridevi	36	100%
66	18T51R0073	Tadi Anita	30	83%
67	18T51R0074	Teppala Tirupathi	0	0%
68	18T51R0075	Turubilli Satish	30	83%
69	18T51R0077	Tuta Teena Mounika	24	66%
70	18T51R0078	Uppati Latha	30	83%
71	18T51R0079	Valliseti Aravind	0	0%
72	18T51R0080	Varri Naga Gowthami	36	100%
73	18T51R0081	Vataka Praveen	36	100%
74	18T51R0082	Vemagiri Rajkamal	0	0%
75	18T51R0083	Yanumula Thrinadh Reddy	24	66%
76	18T51R0084	Yeddu Iswaryadevi	30	83%
77	17T51R0075	K Chinna Reddy	24	66%

Sravani
Course Coordinator

N. Neelima
HOD

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

tr
PRINCIPAL

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





CMS
LABORATORIES
ANALYSIS • QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

EEPARI LAHARI

Bearing roll, no **18T51R0014** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Umafankae

Convener



[Signature]

Principal



CMS
LABORATORIES
EMBRACED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

GANDJ SPANDANA

Bearing roll, no **18T51R0015** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Umashankar

Convener



[Signature]

Principal



CERTIFICATE OF COMPLETION

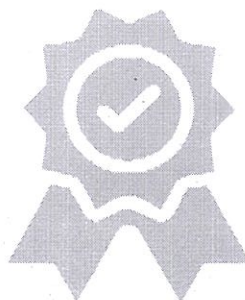
This is presented to:

GANESH SRJ HARSHA

Bearing roll, no **18T51R0016** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

v. Umafaukar

Convener



[Signature]

Principal



CMS
LABORATORIES
PRODUCE QUALITY SERVICE



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

PUPPALA SHRAVYA

Bearing roll, no **18T51R0061** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Uma Shankar

Convener



[Signature]

Principal



CMS
LABORATORIES
SPECIALTY QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

DEVJSETTI SRJ BHAVYA

Bearing roll, no 18T51R0011 pursuing IV B Pharmacy has successfully completed value added course on
"STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE"
held from 14-02-2022 to 19-02-2022 .

V. L. Manojankar

Convener



[Signature]

Principal



CMS
LABORATORIES
TRUSTED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

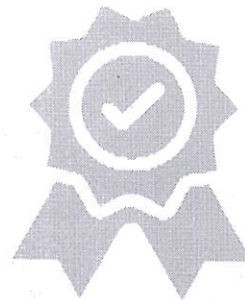
This is presented to:

DODDJ SAJ MADHURJ

Bearing roll, no **18T51R0012** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Uma Shankar

Convener



[Signature]

Principal



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

CHELLUBOJNA PRASANNA

Bearing roll; no **18T51R0007** pursuing **IV B Pharmacy** has successfully completed value added course on
"STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE"
held from 14-02-2022 to 19-02-2022 .

V. Uma Shankar

Convener



[Signature]

Principal



CMS
LABORATORIES
ENSURED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

DANTLA POORNA SAJ

Bearing roll, no **18T51R0008** pursuing **IV B Pharmacy** has successfully completed value added course on
"STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE"
held from 14-02-2022 to 19-02-2022 .

V. Umashankar

Convener



[Signature]

Principal



CMS
LABORATORIES
ENSURED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

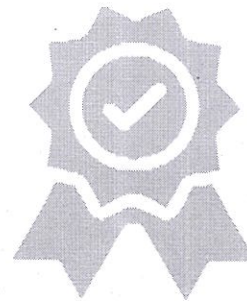
This is presented to:

DASARJ RUCHIJA REDDY

Bearing roll, no **18T51R0009** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Uma Shankar

Convener



[Signature]

Principal



CMS
LABORATORIES
ENSURED QUALITY SERVICE



ESTD : 2005

CERTIFICATE OF COMPLETION

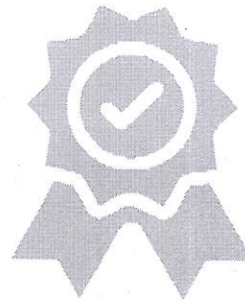
This is presented to:

DASIREDDY SAJSRJ

Bearing roll, no **18T51R0010** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Umajankar

Convener



[Signature]

Principal



CMS
LABORATORIES
SHARED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

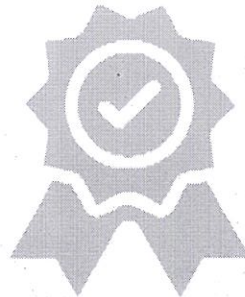
This is presented to:

RANA PRAMOJEETA

Bearing roll, no **18T51R0063** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Anasankar

Convener



[Signature]

Principal



CMS
LABORATORIES
ENSURED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

RAJAMAHENDRAVARAPU

Bearing roll, no **18T51R0062** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Manojankar

Convener



[Signature]

Principal

CERTIFICATE OF COMPLETION

This is presented to:

RAYAPALLI HEMA LATHA

Bearing roll, no **18T51R0064** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .



Convener





Principal



CMS
LABORATORIES
TRUSTED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

ROKKALA PRASANTHJ

Bearing roll, no **18T51R0065** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .

V. Uma Sankar

Convener



[Signature]

Principal

CERTIFICATE OF COMPLETION

This is presented to:

RUDRAKSHULA SAJPREETHJ

Bearing roll, no **18T51R0066** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .



Convener





Principal



CMS
LABORATORIES
ENSURED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

SAGJRAJU PRJYANKA

Bearing roll, no **18T51R0067** pursuing **IV B Pharmacy** has successfully completed value added course on
"STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE"
held from 14-02-2022 to 19-02-2022 .

V. dhananjaya

Convener



[Signature]

Principal



CMS
LABORATORIES
TRUSTED QUALITY SERVICES



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

SAYYAD ABDUL RUKSANA

Bearing roll, no **18T51R0068** pursuing **IV B Pharmacy** has successfully completed value added course on
"STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE"
held from 14-02-2022 to 19-02-2022 .

V. Uma Shankar

Convener



[Signature]


Principal

CERTIFICATE OF COMPLETION

This is presented to:

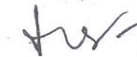
SEEMUSRI USHA RAMANJ

Bearing roll, no **18T51R0069** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .



Convener





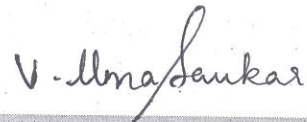
Principal

CERTIFICATE OF COMPLETION

This is presented to:

VARRJ NAGA GOWTHAMJ

Bearing roll, no **18T51R0080** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .



Convener





Principal



CMS
LABORATORIES
EMPOWER QUALITY SERVICE



ESTD : 2005

CERTIFICATE OF COMPLETION

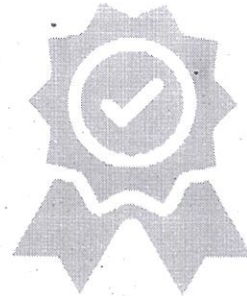
This is presented to:

K CHJNNA REDDY

Bearing roll, no **17T51R0075** pursuing **IV B Pharmacy** has successfully completed value added course on
“STATISTICAL SOFTWARE USED IN PHARMACY PRACTICE”
held from 14-02-2022 to 19-02-2022 .



Convener





Principal



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/07

Date: 14-02-2022

CIRCULAR

This is to inform all the students of 3rd B Pharm that a value-added course will be conducted on the topic "A detailed study of bioassays in drug development and quality assurance" from 21/02/2022 to 26/02/2022. Interested students are required to sign-up for the above-mentioned course with "MR. VENKATESH SIR" Associate Professor in the Department of Pharmacy.



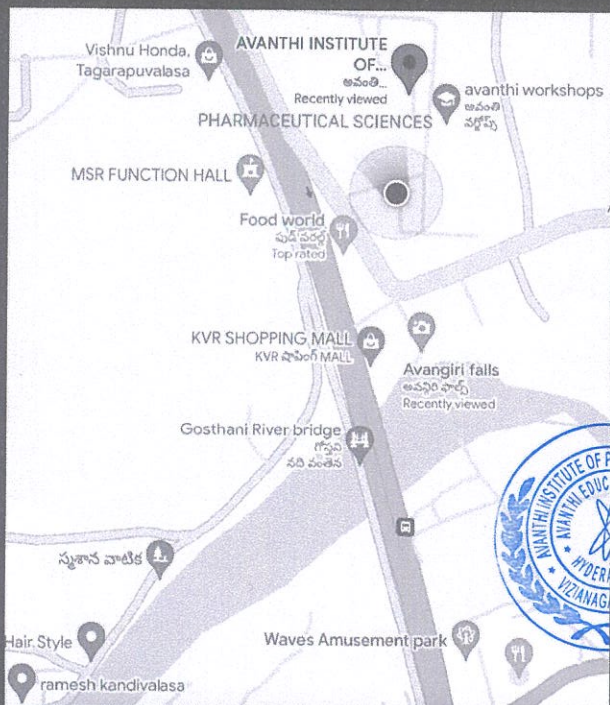

Principal
PRINCIPAL

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

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 JNTUK, Kakinada 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

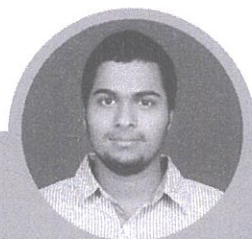
Convener

V.Uma Sankar, Associate Professor

Co-Convener

Mrs. B. Chaitanya, Associate Professor

Resource Person



Mr. U. Sri Venkatesh,
Assistant Professor,
Shivani College Of Pharmacy

Organizing Committee

M. Divya, Assistant Professor

B. YerniKumar, Assistant Professor

M. Rajeshwara Rao, Assistant Professor

Members

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

6 Days Workshop

On

A detailed Study of Bio Assay in Drug Development and Quality Assurance

21/02/2022 - 26/02/2021

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, BHOGAPURAM(MANDAL), VIZIANAGARAM -531162.

www.avanthipharma.ac.in



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Course Title	: A detailed study of bioassays in drug development and quality assurance
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-22
Course Instructor	: Mr. Venkatesh, Associate Professor, Sri Sivani College of Pharmacy, Srikakulam
Course Coordinator	: Mrs. D. Purnima Yadav, Associate Professor
Dates	: 21-02-2022 to 26-02-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/B. Pharm/2021/07

Objectives:

- Comparability studies
- Stability testing
- Optimization of formulation
- Dose – response relationship
- Impurities identification
- Compliance
- Validation
- Quality control
- Risk assessment

Out comes:

- Potency measurement
- Efficacy assessment
- Safety evaluation
- Technology transfer




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Syllabus

1. Introduction to bioassays in drug development:

- Introduction to Anti-infectives
- History
- Importance
- Quantitative and qualitative bioassays
- In vitro vs In vivo

2. Bioassay design and methodology :

- Objectives and endpoints
- Designing
- Validation parameters
- Regulatory guidelines
- Case studies

3. Application in drug development:

- Potency determination.
- Assessing therapeutic efficacy
- Detecting and assessing potential toxic effects
- Identifying adverse reactions
- Case studies

4. Quality assurance and control:

- Role of bioassays
- Compliance with regulatory standards
- Risk assessment
- Monitoring
- Quality control practices
- Case studies

5. Advancements:

- Impact assessment
- Technology transfer
- Stability testing
- Comparability studies

6. Future trends :

- Emerging technologies
- Computational methods
- Ethical considerations



D. Puerina

Course Coordinator

Principal
PRINCIPAL

N. Neelima
HOD

Avanthi Institute of Pharmaceutical Sciences

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

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	A detailed study of bioassays in drug development and quality	Break	A detailed study of bioassays in drug development and quality	Lunch	A detailed study of bioassays in drug development and quality	A detailed study of bioassays in drug development and quality	Break	A detailed study of bioassays in drug development and quality	A detailed study of bioassays in drug development and quality assurance
TUE									
WED									
THU									
FRI									
SAT									

D. Purnima
Course Coordinator

N. Neelina
HOD

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



Principal
PRINCIPAL

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



ESTD : 2006

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Reference book: "Bioassays of Entomopathogenic Microbes and Nematodes" by David I. Shapiro-Ilan, Randy Gaugler, and Hanayo Arthurs

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	21-02-2022	6hrs	1. Introduction to bioassays in drug development: <ul style="list-style-type: none">• Introduction to Anti-infective• History• Importance• Quantitative and qualitative bioassays• In vitro vs In vivo
2.		22-02-2022	6hrs	2. Bioassay design and methodology: <ul style="list-style-type: none">• Objectives and endpoints• Designing• Validation parameters• Regulatory guidelines• Case studies
3.		23-02-2022	6hrs	3. Application in drug development : <ul style="list-style-type: none">• Potency determination.• Assessing therapeutic efficacy• Detecting and assessing potential toxic effects• Identifying adverse reactions• Case studies
4.		24-02-2022	6hrs	4. Quality assurance and control: <ul style="list-style-type: none">• Role of bioassays• Compliance with regulatory standards• Risk assessment• Monitoring• Quality control practices• Case studies
5.		25-02-2022	6hrs	5. Advancements: <ul style="list-style-type: none">• Impact assessment



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

				<ul style="list-style-type: none">• Technology transfer• Stability testing• Comparability studies
6.		26-02-2022	6hrs	6. Future trends : <ul style="list-style-type: none">• Emerging technologies• Computational methods• Ethical considerations

D. Puerina
Course Coordinator

N. Deelina
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Assessment:

1. **What is the primary purpose of bioassays in drug development?**
 - a. Establishing marketing strategies
 - b. Assessing biological activity
 - c. Monitoring financial performance
 - d. Conducting legal investigations
2. **Which type of bioassay involves the use of living organisms or cells?**
 - a. In Vitro assays
 - b. In Vivo assays
 - c. Receptor – binding assays
 - d. Enzyme assays
3. **What is the critical consideration in designing of bioassays protocol?**
 - a. Cost effectiveness
 - b. Complexity
 - c. Consistency
 - d. Randomness
4. **Which parameter is crucial for assessing the closeness of bioassays results to the true value?**
 - a. Specificity
 - b. Precision
 - c. Accuracy
 - d. Sensitivity
5. **What does a dose - response relationship in a bioassays help in determine?**
 - a. Therapeutic window
 - b. Safety profile
 - c. Optimal dose
 - d. All of the above
6. **What is the primary role of bioassays in quality assurance?**
 - a. Marketing promotion
 - b. Compliance with regulatory standards
 - c. Maximizing profits
 - d. Competitive analysis
7. **What does routine quality control in bioassays focus on?**
 - a. Exploratory research
 - b. Batch – to – batch consistency
 - c. Marketing strategies
 - d. Risk assessment
8. **Why is stability testing important in bioassays?**
 - a. To assess biological activity under various conditions
 - b. To reduce costs in drug development
 - c. To increase shelf life
 - d. To speed up regulatory approval
9. **What is the purpose of comparative bioassays?**


PRINCIPAL

Avanthi Institute of Pharmaceutical Science
Cherukupally (V), Bhogapuram Manda
Vizianagaram Dt. - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

- a. Identifying impurities
- b. Assessing batch to batch consistency
- c. Comparing bio similar and reference products
- d. Evaluating toxicity

10. What is an emerging technology in bioassays development?

- a. Traditional assays
- b. High – throughput screening
- c. Low – tech methodologies
- d. Manual data collection

D. Puerina

Course Coordinator

N. Neelina

HOD

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



Principal
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 21-02-2022 to 26-02-2022

No. of Students Enrolled : 102

: "A detailed study of bioassays in drug development and quality assurance"

III B. Pharmacy

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




PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

19	19T51R0019	Buradhapati Gopala Krishna
20	19T51R0020	Chilakala Teja
21	19T51R0021	Chinta Kiranmayi
22	19T51R0022	Chinthala Swathimathi
23	19T51R0023	Doddi Shanmukha Rithika
24	19T51R0024	Donthala Kusuma
25	19T51R0025	Dundangi Sarvani
26	19T51R0026	Duvvana Hemalatha
27	19T51R0027	Dwarapureddi Lavanya
28	19T51R0028	Era Jyothi Proadhan
29	19T51R0029	Gajjala Sreekanth
30	19T51R0030	Gajjala Adi Narayana
31	19T51R0031	Gorrela Raju
32	19T51R0032	Gudivada Gopala Krishna
33	19T51R0033	Gurala Vedhika Sridevi
34	19T51R0034	Gurana Bhavani
35	19T51R0035	Gunupuru Nagendra
36	19T51R0036	Jagannadha Durga Devi
37	19T51R0037	Jami Thanuja
38	19T51R0038	Kaibada Swapna
39	19T51R0039	Kantreddi Satishkumar
40	19T51R0040	Katta Avinash
41	19T51R0041	Kedari Navya




PRINCIPAL



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

42	19T51R0042	Kedarisetty Pavithra
43	19T51R0043	Kollu Veera Manikantha
44	19T51R0044	Komma Gowthami Bhavani
45	19T51R0045	Kommuri Revathi
46	19T51R0046	Kondagorri Hari
47	19T51R0047	Kondala Roja Ramani
48	19T51R0048	Kornana Pavan Kumar
49	19T51R0049	Kotamahanthi Sujatha
50	19T51R0050	Kotari Santhosh
51	19T51R0051	Kunthuri Umamahesh
52	19T51R0052	Kuppa Sridevi
53	19T51R0053	Lankalapalli Sai Bhuvaneshwari
54	19T51R0054	Lingampalli Satya Sri Hamsika
55	19T51R0055	Lotti Chandrika
56	19T51R0056	Madugula Sirisha
57	19T51R0057	Malla Pavithra Pavani
58	19T51R0058	Mamidi Sravani
59	19T51R0059	Mamidiseti Naina
60	19T51R0060	Mariserla Devayani
61	19T51R0061	Matta Suseela
62	19T51R0062	Miriyala Renuka Swathi
63	19T51R0063	Mohammad Nafisa
64	19T51R0064	Mosalikanti Rishika



[Signature]
PRINCIPAL



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

65	19T51R0065	Mulli Madhuri
66	19T51R0066	Mutyala Lohith
67	19T51R0067	Mylapalli Devi
68	19T51R0068	Nagam Tanuja
69	19T51R0069	Nammi Padma
70	19T51R0070	Neradabilli Sadhana
71	19T51R0071	Padala Sharon
72	19T51R0072	Palo Swathi
73	19T51R0073	Pasupuleti Bhanu Prakash
74	19T51R0074	Patnaikuni Sai Jahnvi
75	19T51R0075	Peetala Mrudhula
76	19T51R0076	Pothina Kavya
77	19T51R0077	Potnuru Srilekha
78	19T51R0078	Puli Harsha Veena
79	19T51R0079	Rajana Dilip Kumar
80	19T51R0080	Ramadevi Rasula
81	19T51R0081	Ratnala Bhargavi
82	19T51R0082	Reddi Bhavanthi
83	19T51R0083	Saka Sesanka
84	19T51R0084	Sarapenta Harinadh
85	19T51R0085	Saripilli L S D K Vamsi Yadav
86	19T51R0086	Shankar Rao Bora
87	19T51R0087	Shivani Namburu



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

88	19T51R0088	Siragam Akhil Kumar
89	19T51R0089	Srivatsavai Lakshmi Sandili
90	19T51R0090	Sunkara Anju Sree
91	19T51R0091	Tadi Abhishek
92	19T51R0092	Tapa Poojitha
93	19T51R0093	Telapalli Haritha
94	19T51R0094	Telikicherla Veenapani
95	19T51R0095	Thamatapu Aravind
96	19T51R0096	Toyaka Manisha
97	19T51R0097	Vankayalapati Sai Sravani
98	19T51R0098	Vantakula Lavanya
99	19T51R0099	Yammala Vamsi
100	19T51R01A1	Paspu Reddy Sharnalatha
101	19T51R01A2	Koyya Roshini
102	19T51R01A3	Simhadri Gnana Prasanna

D. Puerina
Course Coordinator

N. Deelina
HOD

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



[Signature]
PRINCIPAL

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



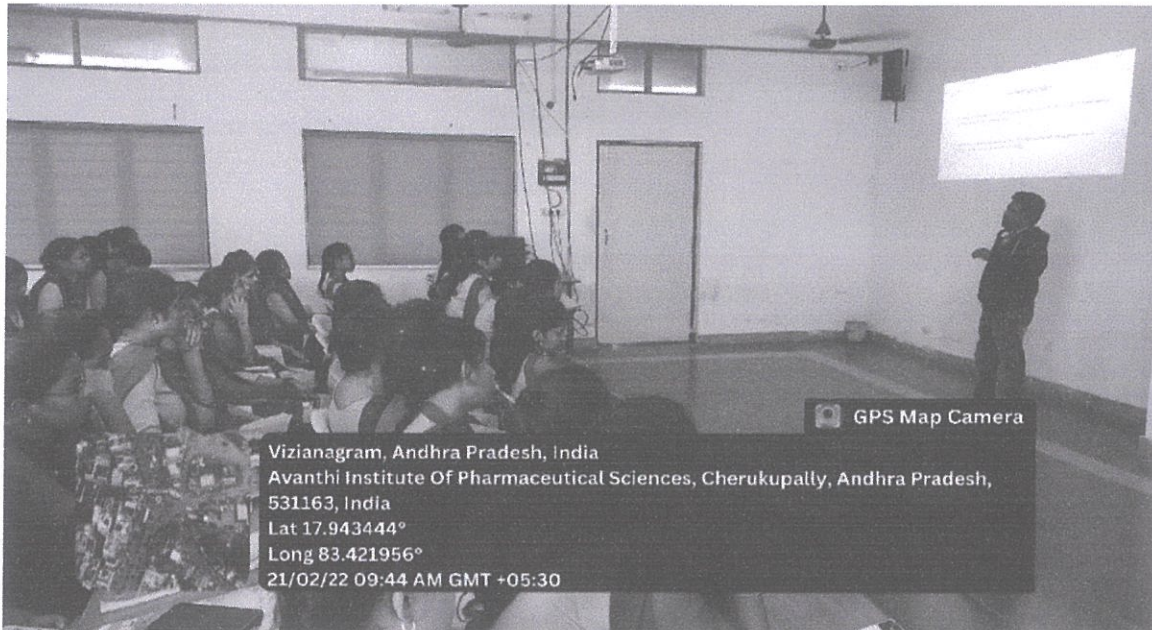
ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

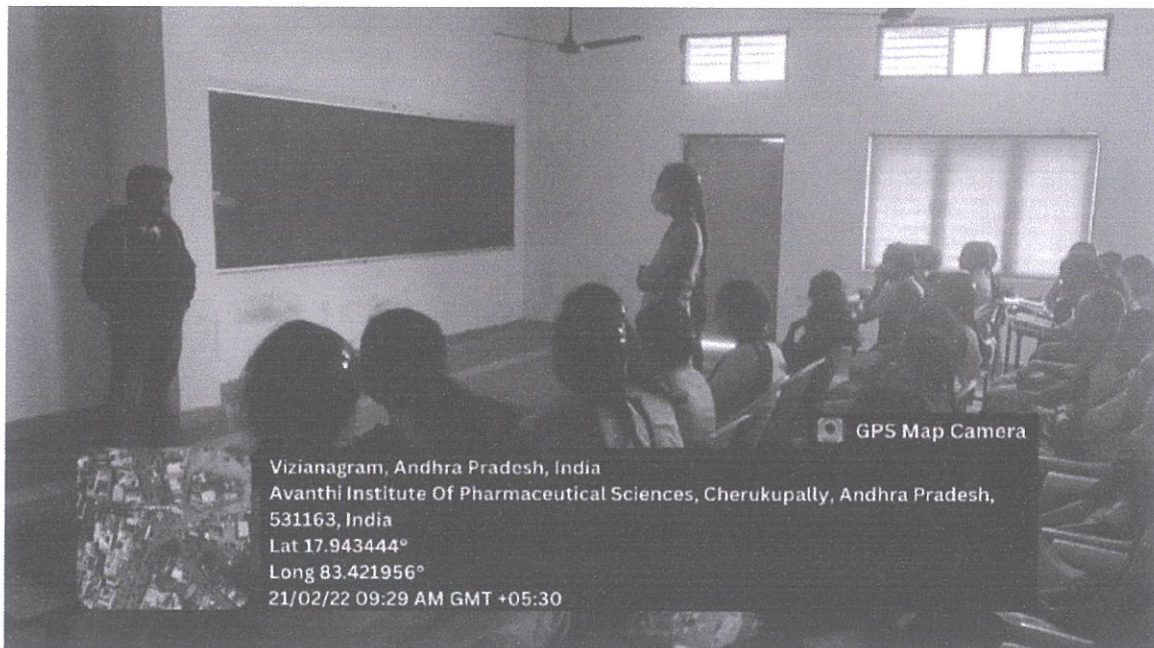
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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



Vizianagaram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
21/02/22 09:44 AM GMT +05:30



Vizianagaram, Andhra Pradesh, India
Avanthi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
21/02/22 09:29 AM GMT +05:30

The students of 3rd year B. Pharmacy certificate program attending “A DETAILED STUDY OF BIOASSAYS IN DRUG DEVELOPMENT AND QUALITY ASSURANCE” by the Associate Professor Mr. Venkatesh, Sri Sivani College of Pharmacy



D. Purnima
Course Coordinator

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

Principal
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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


Date : 21-02-2022 to 26-02-2022

Subject : "A detailed study of bioassays in drug development and quality assurance" III B. Pharmacy

S.No	Roll No.	Student Name	21/02/22	22/02/22	23/02/22	24/02/22	25/02/22	26/02/22
1	19T51R0001	Alajangi Jhansi	✓	✓	✓	✓	✓	✓
2	19T51R0002	Anguluru Jyothirmai	✓	✓	✓	✓	✓	✓
3	19T51R0003	Arava Naveen	✓	✓	✓	✓	✓	✓
4	19T51R0004	Bandaru Hanok Hemanth Kumar	✓	✓	✓	✓	✓	✓
5	19T51R0005	Bandaru Ramakala	✓	✓	✓	✓	✓	A
6	19T51R0006	Bankapalli Sai Rajitha	A	✓	✓	✓	✓	✓
7	19T51R0007	Behara Durga Sampat Bhavana	✓	✓	✓	✓	✓	✓
8	19T51R0008	Biddika Prasanth Kumar	✓	✓	✓	✓	✓	✓
9	19T51R0009	Bodapati Kaveri	A	A	A	A	A	A
10	19T51R0010	Boddu Mary Mani	✓	✓	✓	✓	✓	✓
11	19T51R0011	Bogi Pradeep	✓	A	✓	✓	A	✓
12	19T51R0012	Bolli Bindhusri	✓	✓	✓	✓	✓	✓
13	19T51R0013	Bontalakoti Sheshadrimani	✓	✓	✓	✓	✓	✓
14	19T51R0014	Bonula Saikumar	✓	✓	✓	✓	A	✓
15	19T51R0015	Bosi Rajkumar	✓	✓	✓	✓	✓	✓
16	19T51R0016	Botta Mamatha	✓	✓	✓	✓	✓	✓
17	19T51R0017	Buddala Kasturi	✓	✓	✓	A	✓	✓
18	19T51R0018	Budumuru Gayatri	A	A	✓	✓	A	A
19	19T51R0019	Buradhapati Gopala Krishna	✓	A	✓	✓	A	✓
20	19T51R0020	Chilakala Teja	✓	✓	✓	✓	✓	✓
21	19T51R0021	Chinta Kiranmayi	✓	✓	✓	✓	✓	✓
22	19T51R0022	Chinthala Swathimathi	A	✓	✓	✓	A	✓
23	19T51R0023	Doddi Shanmukha Rithika	✓	✓	✓	✓	✓	✓

Avanathi Institute of Pharmaceutical Sciences




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

24	19T51R0024	Donthala Kusuma	✓	✓	✓	✓	✓	✓
25	19T51R0025	Dundangi Sarvani	A	✓	✓	✓	✓	✓
26	19T51R0026	Duvvana Hemalatha	✓	✓	✓	✓	A	✓
27	19T51R0027	Dwarapureddi Lavanya	✓	✓	✓	✓	✓	✓
28	19T51R0028	Era Jyothi Proadhan	✓	✓	✓	✓	✓	✓
29	19T51R0029	Gajjala Sreekanth	✓	✓	✓	✓	✓	✓
30	19T51R0030	Gajjala Adi Narayana	✓	✓	✓	✓	✓	✓
31	19T51R0031	Gorrela Raju	✓	✓	✓	✓	✓	✓
32	19T51R0032	Gudivada Gopala Krishna	✓	✓	✓	✓	✓	A
33	19T51R0033	Gurala Vedhika Sridevi	✓	✓	A	✓	✓	✓
34	19T51R0034	Gurana Bhavani	✓	✓	✓	✓	✓	✓
35	19T51R0035	Gunupuru Nagendra	✓	✓	✓	✓	✓	✓
36	19T51R0036	Jagannadha Durga Devi	✓	✓	✓	✓	A	✓
37	19T51R0037	Jami Thanuja	✓	✓	✓	✓	✓	✓
38	19T51R0038	Kaibada Swapna	✓	✓	✓	✓	✓	✓
39	19T51R0039	Kantreddi Satishkumar	✓	✓	✓	A	✓	✓
40	19T51R0040	Katta Avinash	✓	✓	✓	✓	✓	✓
41	19T51R0041	Kedari Navya	✓	✓	✓	✓	✓	✓
42	19T51R0042	Kedarisetty Pavithra	✓	✓	✓	✓	✓	✓
43	19T51R0043	Kollu Veera Manikantha	✓	✓	✓	✓	✓	✓
44	19T51R0044	Komma Gowthami Bhavani	✓	✓	✓	✓	✓	✓
45	19T51R0045	Kommuri Revathi	A	✓	✓	✓	✓	✓
46	19T51R0046	Kondagorri Hari	✓	✓	A	✓	✓	✓
47	19T51R0047	Kondala Roja Ramani	✓	✓	✓	✓	✓	A
48	19T51R0048	Kornana Pavan Kumar	✓	✓	✓	✓	✓	✓
49	19T51R0049	Kotamahanthi Sujatha	✓	✓	✓	✓	✓	✓
50	19T51R0050	Kotari Santhosh	✓	✓	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences



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



ESTD - 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES


(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

51	19T51R0051	Kunthuri Umamahesh	✓	✓	A	✓	✓	✓
52	19T51R0052	Kuppa Sridevi	A	✓	✓	✓	✓	✓
53	19T51R0053	Lankalapalli Sai Bhuvaneswari	✓	✓	✓	✓	✓	✓
54	19T51R0054	Lingampalli Satya Sri Hamsika	✓	✓	✓	✓	✓	A
55	19T51R0055	Lotti Chandrika	✓	✓	A	✓	✓	✓
56	19T51R0056	Madugula Sirisha	✓	✓	✓	✓	✓	✓
57	19T51R0057	Malla Pavithra Pavani	✓	✓	✓	✓	A	✓
58	19T51R0058	Mamidi Sravani	✓	✓	✓	✓	✓	✓
59	19T51R0059	Mamidiseti Naina	✓	✓	✓	✓	✓	✓
60	19T51R0060	Mariserla Devayani	✓	✓	✓	✓	✓	✓
61	19T51R0061	Matta Suseela	✓	✓	✓	✓	✓	✓
62	19T51R0062	Miriyala Renuka Swathi	✓	A	✓	✓	✓	✓
63	19T51R0063	Mohammad Nafisa	✓	✓	✓	✓	✓	✓
64	19T51R0064	Mosalikanti Rishika	✓	✓	✓	✓	✓	✓
65	19T51R0065	Mulli Madhuri	✓	✓	✓	✓	✓	✓
66	19T51R0066	Mutyala Lohith	✓	✓	✓	✓	✓	✓
67	19T51R0067	Mylapalli Devi	A	A	A	A	A	A
68	19T51R0068	Nagam Tanuja	✓	✓	✓	✓	✓	✓
69	19T51R0069	Nammi Padma	A	✓	✓	✓	✓	✓
70	19T51R0070	Neradabilli Sadhana	✓	✓	✓	✓	✓	✓
71	19T51R0071	Padala Sharon	✓	✓	✓	✓	✓	✓
72	19T51R0072	Palo Swathi	✓	✓	✓	✓	✓	✓
73	19T51R0073	Pasupuleti Bhanu Prakash	✓	✓	✓	✓	✓	✓
74	19T51R0074	Patnaikuni Sai Jahnvi	✓	✓	✓	✓	✓	✓
75	19T51R0075	Peetala Mrudhula	A	✓	A	✓	A	✓
76	19T51R0076	Pothina Kavya	✓	✓	✓	✓	✓	✓
77	19T51R0077	Potnuru Srilekha	✓	✓	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

78	19T51R0078	Puli Harsha Veena	✓	✓	✓	✓	✓	✓
79	19T51R0079	Rajana Dilip Kumar	✓	✓	✓	A	✓	✓
80	19T51R0080	Ramadevi Rasula	✓	✓	✓	✓	A	✓
81	19T51R0081	Ratnala Bhargavi	✓	✓	✓	✓	✓	✓
82	19T51R0082	Reddi Bhavanthi	✓	✓	✓	✓	✓	✓
83	19T51R0083	Saka Sesanka	✓	A	✓	✓	✓	✓
84	19T51R0084	Sarapenta Harinhadh	✓	✓	✓	✓	✓	✓
85	19T51R0085	Saripilli L S D K Vamsi Yadav	✓	✓	✓	✓	✓	✓
86	19T51R0086	Shankar Rao Bora	✓	✓	✓	✓	✓	✓
87	19T51R0087	Shivani Namburu	✓	✓	A	✓	✓	✓
88	19T51R0088	Siragam Akhil Kumar	✓	✓	✓	✓	✓	✓
89	19T51R0089	Stivatsavai Lakshmi Sandili	✓	✓	✓	✓	✓	✓
90	19T51R0090	Sunkara Anju Sree	✓	✓	✓	✓	✓	✓
91	19T51R0091	Tadi Abhishek	✓	✓	✓	✓	✓	✓
92	19T51R0092	Tapa Poojitha	✓	✓	✓	✓	✓	✓
93	19T51R0093	Telapalli Haritha	✓	✓	✓	✓	✓	✓
94	19T51R0094	Telikicherla Veenapani	✓	✓	✓	✓	✓	✓
95	19T51R0095	Thamatapu Aravind	A	A	A	A	A	A
96	19T51R0096	Toyaka Manisha	✓	✓	✓	✓	✓	✓
97	19T51R0097	Vankayalapati Sai Sravani	✓	✓	✓	✓	✓	✓
98	19T51R0098	Vantakula Lavanya	✓	✓	✓	✓	✓	✓
99	19T51R0099	Yammala Vamsi	✓	✓	✓	✓	✓	✓
100	19T51R01A1	Paspu Reddy Sharnalatha	✓	✓	✓	✓	✓	✓
101	19T51R01A2	Koyya Roshini	✓	✓	✓	✓	✓	✓
102	19T51R01A3	Simhadri Gnana Prasanna	A	✓	✓	✓	✓	A

D. Purnima
Course Coordinator

N. Weelina
HOD

Avanthi Institute of Pharmaceutical Sciences



Avanthi Institute of Pharmaceutical Sciences

CHERUKUPALLY (V)
CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

Principal
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 12-12-2023 to 17-12-2023

No. of Students Enrolled : 102

Subject : A detailed study of bioassays in drug development and quality assurance
III B. Pharmacy

S.No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	19T51R0001	Alajangi Jhansi	36	100%
2	19T51R0002	Anguluru Jyothirmai	36	100%
3	19T51R0003	Arava Naveen	36	100%
4	19T51R0004	Bandaru Hanok Hemanth Kumar	30	83%
5	19T51R0005	Bandaru Ramakala	30	83%
6	19T51R0006	Bankapalli Sai Rajitha	30	83%
7	19T51R0007	Behara Durga Sampat Bhavana	36	100%
8	19T51R0008	Biddika Prasanth Kumar	36	100%
9	19T51R0009	Bodapati Kaveri	NIL	0%
10	19T51R0010	Boddu Mary Mani	36	100%
11	19T51R0011	Bogi Pradeep	24	66%
12	19T51R0012	Bolli Bindhusri	36	100%
13	19T51R0013	Bontalakoti Sheshadrimani	36	100%
14	19T51R0014	Bonula Saikumar	30	83%
15	19T51R0015	Bosi Rajkumar	36	100%
16	19T51R0016	Botta Mamatha	36	100%
17	19T51R0017	Buddala Kasturi	30	83%
18	19T51R0018	Budumuru Jayanti	12	33%

PRINCIPAL



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

19	19T51R0019	Buradhapati Gopala Krishna	24	66%.
20	19T51R0020	Chilakala Teja	36	100%.
21	19T51R0021	Chinta Kiranmayi	36	100%.
22	19T51R0022	Chinthala Swathimathi	24	66%.
23	19T51R0023	Doddi Shanmukha Rithika	36	100%.
24	19T51R0024	Donthala Kusuma	36	100%.
25	19T51R0025	Dundangi Sarvani	30	83%.
26	19T51R0026	Duvvana Hemalatha	30	83%.
27	19T51R0027	Dwarapureddi Lavanya	36	100%.
28	19T51R0028	Era Jyothi Prodhan	36	100%.
29	19T51R0029	Gajjala Sreekanth	36	100%.
30	19T51R0030	Gajjala Adi Narayana	36	100%.
31	19T51R0031	Gorrela Raju	36	100%.
32	19T51R0032	Gudivada Gopala Krishna	30	83%.
33	19T51R0033	Gurala Vedhika Sridevi	30	83%.
34	19T51R0034	Gurana Bhavani	36	100%.
35	19T51R0035	Gunupuru Nagendra	36	100%.
36	19T51R0036	Jagannadha Durga Devi	30	83%.
37	19T51R0037	Jami Thanuja	36	100%.
38	19T51R0038	Kaibada Swapna	36	100%.
39	19T51R0039	Kantreda Satishkumar	30	83%.
40	19T51R0040	Katta Avinash	36	100%.
41	19T51R0041	Kedari Navya	36	100%.

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

42	19T51R0042	Kedarisetty Pavithra	36	100%
43	19T51R0043	Kollu Veera Manikantha	36	100%
44	19T51R0044	Komma Gowthami Bhavani	36	100%
45	19T51R0045	Kommuri Revathi	30	83%
46	19T51R0046	Kondagorri Hari	30	83%
47	19T51R0047	Kondala Roja Ramani	30	83%
48	19T51R0048	Kornana Pavan Kumar	36	100%
49	19T51R0049	Kotamahanthi Sujatha	36	100%
50	19T51R0050	Kotari Santhosh	36	100%
51	19T51R0051	Kunthuri Umamahesh	30	83%
52	19T51R0052	Kuppa Sridevi	30	83%
53	19T51R0053	Lankalapalli Sai Bhuvaneshwari	36	100%
54	19T51R0054	Lingampalli Satya Sri Hamsika	30	83%
55	19T51R0055	Lotti Chandrika	30	83%
56	19T51R0056	Madugula Sirisha	36	100%
57	19T51R0057	Malla Pavithra Pavani	30	83%
58	19T51R0058	Mamidi Sravani	36	100%
59	19T51R0059	Mamidiseti Naina	36	100%
60	19T51R0060	Mariserla Devayani	36	100%
61	19T51R0061	Matta Suseela	36	100%
62	19T51R0062	Morjula Renuka Swathi	30	83%
63	19T51R0063	Mohammad Nafisa	36	100%
64	19T51R0064	Mosakkanti Rishika	36	100%



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Avanthi Institute of Pharmaceutical Sciences
Bhogapuram Mandal
Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

65	19T51R0065	Mulli Madhuri	36	100%
66	19T51R0066	Mutyala Lohith	36	100%
67	19T51R0067	Mylapalli Devi	NIL	0%
68	19T51R0068	Nagam Tanuja	36	100%
69	19T51R0069	Nammi Padma	30	83%
70	19T51R0070	Neradabilli Sadhana	36	100%
71	19T51R0071	Padala Sharon	36	100%
72	19T51R0072	Palo Swathi	36	100%
73	19T51R0073	Pasupuleti Bhanu Prakash	36	100%
74	19T51R0074	Patnaikuni Sai Jahnvi	36	100%
75	19T51R0075	Peetala Mrudhula	18	33%
76	19T51R0076	Pothina Kavya	36	100%
77	19T51R0077	Potnuru Srilekha	36	100%
78	19T51R0078	Puli Harsha Veena	36	100%
79	19T51R0079	Rajana Dilip Kumar	30	83%
80	19T51R0080	Ramadevi Rasula	30	83%
81	19T51R0081	Ratnala Bhargavi	36	100%
82	19T51R0082	Reddi Bhavanthi	36	100%
83	19T51R0083	Saka Sesanka	30	83%
84	19T51R0084	Sarapenta Harinhadh	36	100%
85	19T51R0085	Sarapenta D.K Vamsi Yadav	36	100%
86	19T51R0086	Shankar Rao Bora	36	100%
87	19T51R0087	Shivani Namburu	30	83%

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

88	19T51R0088	Siragam Akhil Kumar	36	100%
89	19T51R0089	Srivatsavai Lakshmi Sandili	36	100%
90	19T51R0090	Sunkara Anju Sree	36	100%
91	19T51R0091	Tadi Abhishek	36	100%
92	19T51R0092	Tapa Poojitha	36	100%
93	19T51R0093	Telapalli Haritha	36	100%
94	19T51R0094	Telikicherla Veenapani	36	100%
95	19T51R0095	Thamatapu Aravind	NIL	0%
96	19T51R0096	Toyaka Manisha	36	100%
97	19T51R0097	Vankayalapati Sai Sravani	36	100%
98	19T51R0098	Vantakula Lavanya	36	100%
99	19T51R0099	Yammala Vamsi	36	100%
100	19T51R01A1	Paspu Reddy Sharnalatha	36	100%
101	19T51R01A2	Koyya Roshini	36	100%
102	19T51R01A3	Simhadri Gnana Prasanna	24	66%

D. Purnima

Course Coordinator

N. Deelina

HOD



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

Principal
PRINCIPAL

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



CERTIFICATE OF COMPLETION

This is presented to:

POTNURU SRJLEKHA

Bearing roll, no 19T51R0077 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .

V. Uma Sankar

Convener



[Signature]



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



ESTD : 2005

CERTIFICATE OF COMPLETION

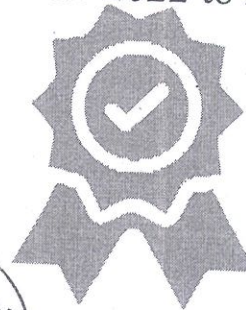
This is presented to:

PULJ HARSHA VEENA

Bearing roll, no 19T51R0078 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .

V. Abhisankar

Convener



[Signature]

PRINCIPAL

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



CERTIFICATE OF COMPLETION

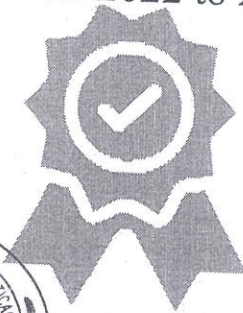
This is presented to:

RAJANA DJIJP KUMAR

Bearing roll, no 19T51R0079 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .

V. Uma Shankar

Convener



[Signature]

Principal
PRINCIPAL

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



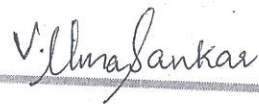
ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

RAMADEVJ RASULA

Bearing roll, no 19T51R0080 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .



Convener





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



CERTIFICATE OF COMPLETION

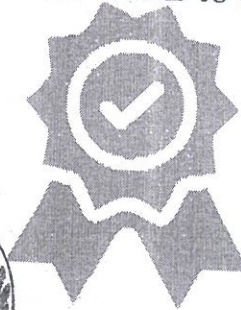
This is presented to:

RATNALA BHARGAVJ

Bearing roll, no 19T51R0081 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .

V. Uma Sankar

Convener



[Signature]

Principal

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



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

REDDY BHAVANTHI

Bearing roll, no 19T51R0082 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .

V. Uma Shankar

Convener



[Signature]

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



ESTD : 2005

CERTIFICATE OF COMPLETION

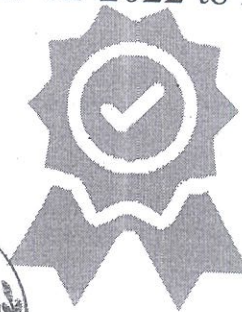
This is presented to:

SAKA SESANKA

Bearing roll, no 19T51R0083 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .

V. UmaSankar

Convener



[Signature]

PRINCIPAL

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



ESTD : 2005

CERTIFICATE OF COMPLETION

This is presented to:

SARAPENTA HARJNHADH

Bearing roll, no 19T51R0084 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"

held from 21-02-2022 to 26-02-2022 .

V. Uma Sankar

Convener



[Signature]

Principal

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



ESTD : 2005

CERTIFICATE OF COMPLETION

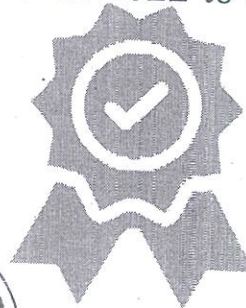
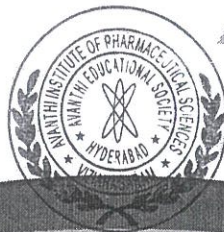
This is presented to:

SJRAJAM AKHIL KUMAR

Bearing roll, no 19T51R0088 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .

V. UmaSankar

Convener



[Signature]

Principal

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



ESTD : 2005

CERTIFICATE OF COMPLETION

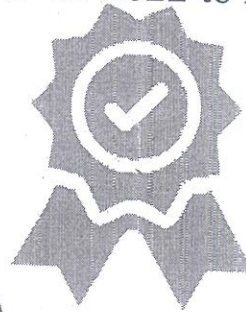
This is presented to:

SJMHADRI GNANA

Bearing roll, no 19T51R01A3 pursuing III B Pharmacy has successfully completed value added course on
"A DETAILED STUDY OF BIOASSAY IN DRUG DEVELOPMENT AND QUALITY ASSURANCE"
held from 21-02-2022 to 26-02-2022 .

V. Umabankar

Convener



[Signature]

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



DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/08

Date: 07-03-2022

CIRCULAR

This is to inform all the students of first-year B pharm that a value-added course will be conducted on the topic “Holistic Approaches to Green Pharmacy Practice” from 14/03/2022 to 19/03/2022. Interested students are required to sign-up for the above-mentioned course with “**Ms. Y. VISHNU VANDANA**” Associate Professor in the Department of Pharmacy.

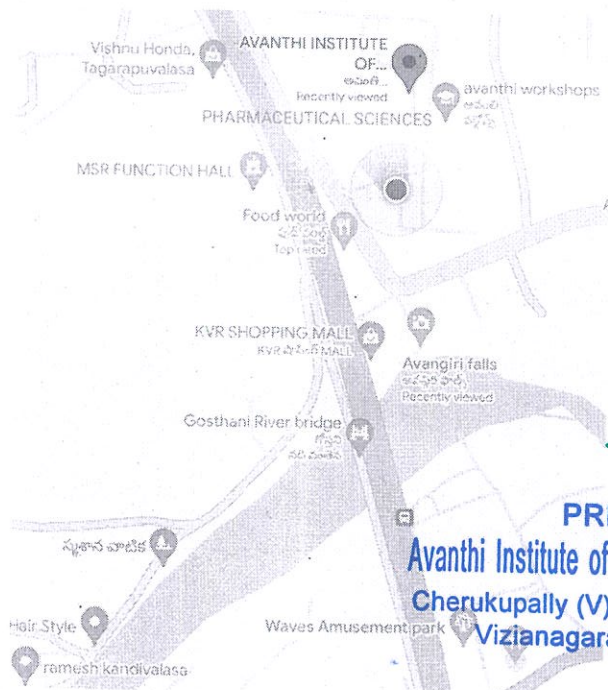


Principal
Principal
PRINCIPAL
Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162

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 JNTUK, Kakinada 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



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

Ms. Y. Vishnu Vandana,
Associate Professor,



Avanthi Institute of
Pharmaceutical
Sciences.

Organizing Committee

Mr. Vamsi Krishna Yadav, Assistant Professor

Mr. B. YerniKumar, Assistant Professor

Dr. N.Hema Madhuri, Associate Professor



PRINCIPAL
Avanthi Institute of Pharmaceutical Sciences

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

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

6 Days Workshop

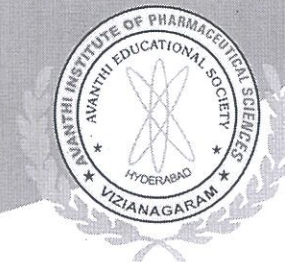
On

**Holistic Approaches to
Green Pharmacy Practice**

14-03-2022 to 19-03-2022

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
-531162.

www.avanthipharma.ac.in



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Course Title	: Holistic Approaches to Green Pharmacy Practice
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2022-23
Course Instructor	: Ms. B. Vishnu Vandana, Associate Professor
Course Coordinator	: D. Purnima Yadav, Associate Professor
Dates	: 14-03-2022 to 19-03-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/B. Pharm&Pharm. D/2022/08

Objective:

- Minimise the environmental foot print of pharmaceutical practices by implementing measures to reduce waste generation, energy consumption, and water usage.
- Promote the use of sustainably sourced and ethically harvested medicinal plants, emphasizing the conservation of biodiversity and protection of ecosystems.
- Encourage the pharmaceutical industry to adopt eco-friendly manufacturing processes and packaging materials, reducing the environmental impact associated with drug production.
- Improve energy efficiency within pharmacy facilities through the use of energy-efficient lighting, HVAC systems, and other technologies, reducing overall energy consumption.

Outcomes:

- Students will acquire a comprehensive understanding of sustainable and environmentally friendly practices within the pharmacy field.
- Students will be aware of the impact of pharmaceuticals on the environment and understand the principles of eco-pharmacovigilance.
- Students will be able to educate patients on the proper disposal of medications, reducing environmental impact and promoting responsible medication use.
- Students will develop skills in managing medications in a manner that minimizes environmental impact, including proper disposal and recycling practices.




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Syllabus

- 1. Introduction to Green Pharmacy Practice**
 - Definition and significance of green pharmacy
 - Overview of environmental issues related to traditional pharmacy practices
 - Ethical considerations in pharmacy practice
- 2. Sustainable Drug Manufacturing and Packaging**
 - Green chemistry principles in drug manufacturing
 - Eco-friendly packaging alternatives
 - Case studies on sustainable drug production
- 3. Waste Management in Pharmacy**
 - Proper disposal of pharmaceutical waste
 - Hazardous waste reduction strategies
 - Recycling programs in pharmacies
- 4. Sustainable Pharmacy Design and Construction**
 - Principles of green building in pharmacy facilities
 - Energy-efficient practices in pharmacy design
 - Case studies on sustainable pharmacy construction
- 5. Green Pharmacy Supply Chain Management**
 - Sustainable sourcing of pharmaceutical ingredients
 - Ethical considerations in the supply chain
 - Implementing green practices in inventory management
- 6. Herbal Medicine and Plant-Based Therapies**
 - Overview of herbal medicine and plant-based therapies
 - Sustainable harvesting and cultivation practices
 - Integrating herbal medicine into pharmacy practice

D. Purina
Course Coordinator

N. Deelina
HOD

[Signature]

PRINCIPAL

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

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





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)

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

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

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	Holistic Approaches to Green Pharmacy Practice	Break	Holistic Approaches to Green Pharmacy Practice	Lunch	Holistic Approaches to Green Pharmacy Practice	Holistic Approaches to Green Pharmacy Practice	Break	Holistic Approaches to Green Pharmacy Practice	Holistic Approaches to Green Pharmacy Practice
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	Holistic Approaches to Green Pharmacy Practice	Break	Holistic Approaches to Green Pharmacy Practice	Lunch	Holistic Approaches to Green Pharmacy Practice	Holistic Approaches to Green Pharmacy Practice	Break	Holistic Approaches to Green Pharmacy Practice	Holistic Approaches to Green Pharmacy Practice
TUE									
WED									
THU									
FRI									
SAT									

D. Purusha

Course Coordinator

[Signature]
PRINCIPAL

N. Neelima

HOD



Avanthi Institute of Pharmaceutical Sciences Institute of Pharmaceutical Sciences

Avanthi Institute of Pharmaceutical Sciences

CHERUKUPALLY (V)
CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)

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

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

Reference book: "Green Pharmacy: The History and Evolution of Western Herbal Medicine"
by Barbara Griggs

S. No	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	13-03-2023	6hrs	1. Introduction to Green Pharmacy Practice <ul style="list-style-type: none"> • Definition and significance of green pharmacy • Overview of environmental issues related to traditional pharmacy practices • Ethical considerations in pharmacy practice
2.		14-03-2023	6hrs	2. Sustainable Drug Manufacturing and Packaging <ul style="list-style-type: none"> • Green chemistry principles in drug manufacturing • Eco-friendly packaging alternatives • Case studies on sustainable drug production
3.		15-03-2023	6hrs	3. Waste Management in Pharmacy <ul style="list-style-type: none"> • Proper disposal of pharmaceutical waste • Hazardous waste reduction strategies • Recycling programs in pharmacies
4.		16-03-2023	6hrs	4. Sustainable Pharmacy Design and Construction <ul style="list-style-type: none"> • Principles of green building in pharmacy facilities • Energy-efficient practices in pharmacy design • Case studies on sustainable pharmacy construction



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

Principal



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

5.		17-03-2023	6hrs	5. Green Pharmacy Supply Chain Management <ul style="list-style-type: none">• Sustainable sourcing of pharmaceutical ingredients• Ethical considerations in the supply chain• Implementing green practices in inventory management
6.		18-03-2023	6hrs	6. Herbal Medicine and Plant-Based Therapies <ul style="list-style-type: none">• Overview of herbal medicine and plant-based therapies• Sustainable harvesting and cultivation practices• Integrating herbal medicine into pharmacy practice

D. Purnima

Course Coordinator

N. Neelima
HOD

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

[Signature]

PRINCIPAL

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





Assessment:

1. **What does "green pharmacy practice" refer to?**
 - a. Efficient pharmaceutical manufacturing
 - b. Sustainable and environmentally conscious pharmacy practices
 - c. Herbal medicine only
 - d. Traditional pharmacy methods
2. **Which of the following is an example of a sustainable packaging option in pharmacy practice?**
 - a. Single-use plastic containers
 - b. Biodegradable packaging
 - c. Styrofoam packaging
 - d. Excessive paper packaging
3. **In the context of green pharmacy, what does "cradle-to-cradle" design emphasize?**
 - a. Single-use products
 - b. Recycling only
 - c. A lifecycle approach, ensuring materials are reused or recycled
 - d. Disposable packaging
4. **How can a pharmacy promote energy efficiency in its operations?**
 - a. Keep lights and equipment running 24/7
 - b. Regularly maintain and upgrade energy-efficient appliances
 - c. Use non-renewable energy sources exclusively
 - d. Discard expired medications in bulk
5. **What is the role of pharmacists in promoting herbal medicine as part of green pharmacy?**
 - a. Encouraging the use of synthetic drugs
 - b. Dismissing herbal remedies
 - c. Educating patients on the benefits and risks of herbal medicine
 - d. Selling herbal products without proper information
6. **How can a pharmacy minimize water usage in its operations?**
 - a. Regularly running water tap
 - b. Installing water-saving devices
 - c. Disposing of excess water without consideration
 - d. Using disposable water bottles
7. **What is the purpose of conducting a life cycle assessment in green pharmacy practice?**
 - a. To ignore the environmental impact of pharmaceuticals
 - b. To analyze the entire lifecycle of a product, considering environmental impacts
 - c. To promote the use of non-renewable resources
 - d. To discard expired medications without assessment
8. **How can pharmacies reduce pharmaceutical waste?**
 - a. Encourage overprescribing
 - b. Implement medication take-back programs
 - c. Disregard expiration dates
 - d. Discard medications in regular waste bins
9. **What is the primary aim of green pharmacy certification programs?**
 - a. Ignoring environmental considerations
 - b. Discarding excessive packaging




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUGV, Vizianagaram)

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

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

- c. Recognizing and encouraging environmentally friendly pharmacy practices
 - d. Encouraging the use of non-renewable resources
10. In green pharmacy practice, what does the term "biodiversity" refer to?
- a. A limited variety of medicinal plants
 - b. The variety of life in a particular habitat
 - c. The exclusive use of synthetic drugs
 - d. Ignoring ecological considerations

D. Purnima

Course Coordinator

N. Neelma
HOD

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



[Signature]
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

ESTD : 2005

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

Date : 14-03-2022 to 19-03-2022

Subject : "Holistic Approaches to Green Pharmacy Practice" I B. Pharmacy

S. No	Roll No.	Student Name	14/03/23	15/03/23	16/03/23	17/03/23	18/03/23	19/03/23
1	21T51R0001	Agnihotram Venkata Satya Srividya Pavitra	✓	A	✓	✓	✓	A
2	21T51R0002	AkulaRamyra	A	✓	✓	✓	✓	✓
3	21T51R0003	Alluri Nandini	✓	✓	✓	✓	A	✓
4	21T51R0004	Ambati Sai Kumar	✓	✓	✓	✓	✓	✓
5	21T51R0005	Amit Kumar Rabidas	✓	✓	✓	A	✓	✓
6	21T51R0006	Anurag Mishra	A	✓	✓	✓	✓	✓
7	21T51R0007	Arangi Manasa	✓	A	✓	✓	✓	✓
8	21T51R0008	Arnipalli Sindhuja	✓	✓	✓	✓	✓	✓
9	21T51R0009	Ayesha Parveen	✓	✓	✓	✓	✓	✓
10	21T51R0010	Bavisetti Mahalakshmi	A	✓	✓	✓	A	✓
11	21T51R0011	Bommana Anusha	✓	✓	A	✓	✓	✓
12	21T51R0012	Botcha Gayathri	✓	✓	✓	✓	✓	✓
13	21T51R0013	ChallaIndu Alekhya	✓	✓	✓	✓	✓	A
14	21T51R0014	Challa Jagadish	✓	A	✓	✓	✓	✓
15	21T51R0015	Chepala Kalyani	✓	✓	A	A	✓	✓
16	21T51R0016	Chiguruvalasa Karthik	✓	✓	✓	✓	✓	✓
17	21T51R0017	Chintada Ajay	✓	✓	A	✓	✓	✓
18	21T51R0018	Chinthada Deepika	✓	✓	✓	✓	✓	✓
19	21T51R0019	Chilla Deepthi	✓	✓	✓	✓	✓	✓



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

20	21T51R0020	Dara Chandini	✓	A	✓	✓	✓	✓
21	21T51R0021	DubasiTanuja	✓	✓	✓	✓	✓	✓
22	21T51R0022	Dwarapudi Nagamani	A	✓	✓	✓	✓	✓
23	21T51R0023	Galla Gayathri Prasanna	✓	✓	✓	✓	✓	✓
24	21T51R0024	Gandhavarapu Sujatha	✓	✓	✓	✓	✓	✓
25	21T51R0025	Gavara Lavanya	✓	✓	✓	✓	✓	✓
26	21T51R0026	Gedela Dinesh Kumar	✓	✓	✓	✓	✓	✓
27	21T51R0027	Goddiy Y V K Sai Lakshmi	✓	✓	✓	✓	✓	✓
28	21T51R0028	Turaka Bindusri	✓	✓	✓	✓	✓	✓
29	21T51R0029	Gorle Harshitha Naidu	A	✓	✓	✓	A	✓
30	21T51R0030	Gudia Kalia	✓	✓	✓	✓	✓	✓
31	21T51R0031	Hanumanthu Rachana Sree	✓	✓	✓	✓	✓	✓
32	21T51R0032	Jagarapu Swapna	A	A	A	A	A	A
33	21T51R0033	Jakinikila Madhavi Latha	✓	✓	✓	✓	✓	✓
34	21T51R0034	Jaya Sree Vadamodalu	✓	✓	✓	✓	✓	✓
35	21T51R0035	Jeeru Mohan	✓	✓	✓	✓	✓	✓
36	21T51R0036	Kalla Pallavi	✓	✓	✓	✓	A	✓
37	21T51R0037	Kaneti Mohankrishna	✓	✓	✓	✓	✓	A
38	21T51R0038	Kaniti Jayashree	✓	✓	✓	✓	✓	✓
39	21T51R0039	Kankipati Dharaveni	A	✓	✓	✓	✓	✓
40	21T51R0040	Kantamsetti Mary	✓	✓	✓	✓	A	✓
41	21T51R0041	Kathila Amrutha	✓	✓	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

42	21T51R0042	Kolla Abhilash	A	✓	✓	A	✓	✓
43	21T51R0043	Kolusu Salome	✓	✓	✓	✓	✓	✓
44	21T51R0044	Korlapu Srinivasarao	A	✓	✓	✓	✓	✓
45	21T51R0045	Kota Deekshitha	✓	✓	✓	✓	✓	✓
46	21T51R0046	Kuna Yamini	✓	✓	✓	✓	✓	✓
47	21T51R0047	L Girish Kumar Reddy	✓	✓	✓	✓	✓	✓
48	21T51R0048	Lukulapu Nikhitha	✓	✓	A	✓	✓	✓
49	21T51R0049	Likitha Samantula	✓	✓	✓	A	✓	✓
50	21T51R0050	Mahanthi Vijaya Lakshmi	✓	✓	✓	✓	✓	A
51	21T51R0051	MajjiSailaja	✓	✓	✓	✓	✓	✓
52	21T51R0052	Majji Aruna	✓	✓	A	✓	✓	✓
53	21T51R0053	Majji Gopi Priya	✓	✓	✓	✓	✓	✓
54	21T51R0054	Majji Rani	✓	✓	✓	✓	✓	✓
55	21T51R0055	Maliki Uma Mahesh	✓	✓	✓	✓	✓	✓
56	21T51R0056	Mandala Sowjanya	A	A	A	A	A	A
57	21T51R0057	Manukonda Jyotshna	✓	✓	A	✓	✓	✓
58	21T51R0058	Maraju Atchut Hemanth	✓	✓	✓	✓	✓	✓
59	21T51R0059	Meesala Prabha	✓	✓	✓	A	✓	✓
60	21T51R0060	Mogasala Bhagyalakshmi	✓	✓	✓	✓	✓	✓
61	21T51R0061	Musinana Siri Varshini	✓	✓	✓	✓	✓	✓
62	21T51R0062	Nammi Surya Vasanta Nikhitha	✓	✓	✓	✓	✓	✓
63	21T51R0063	NishatParveen	✓	A	✓	A	✓	✓

Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

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

Avanthi Institute of Pharmaceutical Sciences



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

86	21T51R0086	Simma Neelima	✓	✓	✓	✓	✓	✓
87	21T51R0087	Siriki Reethika	✓	✓	✓	✓	✓	✓
88	21T51R0088	Siriyala Pujitha	✓	✓	✓	✓	✓	✓
89	21T51R0089	Siyyadri Pushpa Latha	✓	✓	✓	✓	✓	✓
90	21T51R0090	Srikakulam Lekha Sri	✓	✓	✓	✓	✓	✓
91	21T51R0091	Sneha Krihna Pradhan	✓	✓	✓	✓	✓	✓
92	21T51R0092	Tammaana Bhavitha	✓	✓	✓	✓	✓	✓
93	21T51R0093	Tangula Trisha Bhargavi	✓	✓	✓	✓	✓	✓
94	21T51R0094	Tarra Jahnvi	✓	✓	✓	✓	✓	✓
95	21T51R0095	Tentu Sivaprasad	✓	✓	✓	✓	✓	✓
96	21T51R0096	Tirumareddy Leela Krishna	✓	✓	✓	✓	✓	✓
97	21T51R0097	Toleti Sanjay	✓	✓	✓	✓	✓	✓
98	21T51R0098	Uttaravilli Jagadeesh	✓	✓	✓	✓	✓	✓
99	21T51R0099	Valurouthu Nehasri	✓	A	✓	✓	✓	✓
100	21T51R00A0	Vanka Padmaja	✓	✓	✓	✓	✓	✓
101	21T51R00A1	Varadi Appalaraju	A	A	A	A	A	A
102	21T51R00A2	Vemulavalasa Sai Keerthi	✓	✓	✓	✓	✓	✓
103	21T51R00A3	Veturu Deepika	✓	✓	✓	✓	✓	✓
104	21T51R00A4	Yasaswani Devi Simma	✓	✓	✓	✓	✓	✓
105	21T51R00A5	Yerninti Sanyasi Babu	✓	✓	✓	✓	✓	✓
106	21T51R0100	Agnihotram Venkata Satya Srividya Pavitra	✓	✓	✓	✓	✓	✓

D. Purnima
Course Coordinator

N. Neelima
HOD

Avanthi Institute of Pharmaceutical Sciences

CHERUKUPALLY (V)

Avanthi Institute of Pharmaceutical Sciences

CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162





ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

CHEPALA KALYANJ

Bearing roll, no 21T51R0015 pursuing I B Pharmacy has successfully completed value added course on
“**HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE**”
held from 14-03-2022 to 19-03-2022 .

V. Umgaankar

Convener



Principal

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

KANTAMSETTI MARY

Bearing roll, no 21T51R0040 pursuing I B Pharmacy has successfully completed value added course on
“**HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE**”
held from 14-03-2022 to 19-03-2022 .

V. Uma Sankar

Convener



dv

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

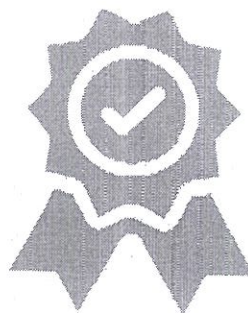
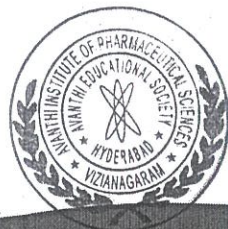
This is presented to:

KUNA YAMJNJ

Bearing roll, no **21T51R0046** pursuing **I B Pharmacy** has successfully completed value added course on
"HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE"
held from 14-03-2022 to 19-03-2022 .

V. Uma Sankar

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

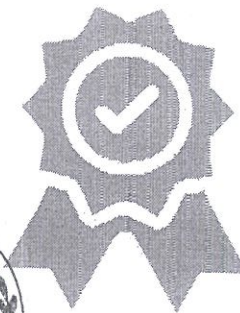
This is presented to:

MAHANTHJ VJJAYA

Bearing roll, no 21T51R0050 pursuing I B Pharmacy has successfully completed value added course on
“**HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE**”
held from 14-03-2022 to 19-03-2022 .

V. Uma Sankar

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, kakinada)

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

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

CERTIFICATE OF COMPLETION

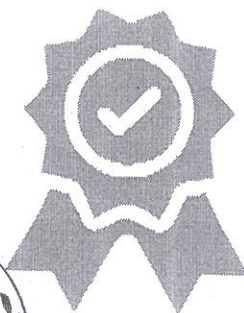
This is presented to:

MAJJI SAJLAJA

Bearing roll, no **21T51R0051** pursuing **I B Pharmacy** has successfully completed value added course on
"HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE"
held from 14-03-2022 to 19-03-2022 .

V. Uma Sankar

Convener



[Signature]

PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

MAJJJ ARUNA

Bearing roll, no 21T51R0052 pursuing **I B Pharmacy** has successfully completed value added course on
“HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE”
held from 14-03-2022 to 19-03-2022 .

V. Umashankar

Convener



Principal

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

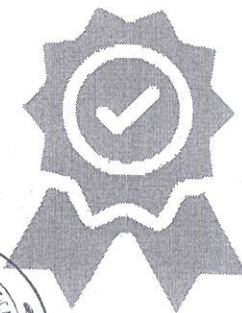
This is presented to:

PAKEERU YOGESWARA RAO

Bearing roll, no 21T51R0065 pursuing I B Pharmacy has successfully completed value added course on
“*HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE*”
held from 14-03-2022 to 19-03-2022 .

V. Uma Sankar

Convener



Principal

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

POTHAMSETTI SWETHA PRJYA

Bearing roll, no 21T51R0078 pursuing I B Pharmacy has successfully completed value added course on
“HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE”
held from 14-03-2022 to 19-03-2022 .

V. Umabankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

SJRJYALA PUJJTHA

Bearing roll, no **21T51R0088** pursuing **I B Pharmacy** has successfully completed value added course on
“HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE”
held from 14-03-2022 to 19-03-2022 .

V. UmaSankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

SJYADRJ PUSHPA LATHA

Bearing roll, no **21T51R0089** pursuing **I B Pharmacy** has successfully completed value added course on
“HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE”
held from 14-03-2022 to 19-03-2022 .

V. UmaSankar

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, kakinada)

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

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

CERTIFICATE OF COMPLETION

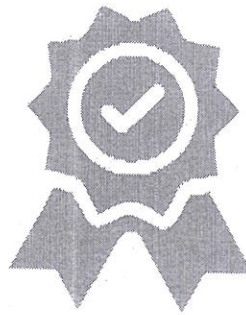
This is presented to:

SRJKAKULAM LEKHA SRJ

Bearing roll, no **21T51R0090** pursuing **I B Pharmacy** has successfully completed value added course on
"HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE"
held from 14-03-2022 to 19-03-2022 .

V. Umabankar

Convener



JV

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

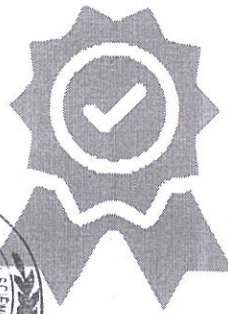
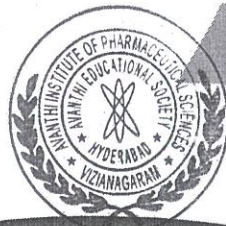
This is presented to:

SNEHA KRISHNA PRADHAN

Bearing roll, no 21T51R0091 pursuing I B Pharmacy has successfully completed value added course on
“HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE”
held from 14-03-2022 to 19-03-2022 .

V. UmaSankar

Convener



[Signature]

Principal

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

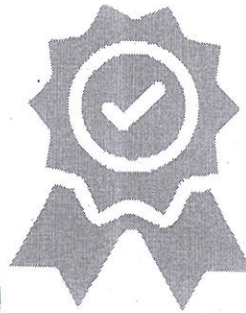
This is presented to:

UTTARAVIJJI JAGADEESH

Bearing roll, no **21T51R0098** pursuing **I B Pharmacy** has successfully completed value added course on
“HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE”
held from 14-03-2022 to 19-03-2022 .

V. Umabankar

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

YERNINTJ SANYASJ BABU

Bearing roll, no **21T51R00A5** pursuing **I B Pharmacy** has successfully completed value added course on
“HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE”
held from 14-03-2022 to 19-03-2022 .

V. UmaSankar

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

GADAM JHANSI LAXMI

Bearing roll, no **21T51R00A6** pursuing **I B Pharmacy** has successfully completed value added course on
“HOLISTIC APPROACHES TO GREEN PHARMACY PRACTICE”
held from 14-03-2022 to 19-03-2022 .

V. Uma Sankar

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

DEPARTMENT OF PHARMACY


Ref no: AIPS/Pharmacy/2021-22/ 09

Date: 14-03-2022

CIRCULAR

This is to inform all the students of 1ST M. Pharm that a value-added course will be conducted on the topic "Critical Thinking and Problem Solving Skills" from 21/03/2022 to 26/03/2022. Interested students are required to sign-up for the above-mentioned course with "Mrs. B. ARUNA" Associate Professor in the Department of Pharmacy.




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

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 JNTUK, Kakinada 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. Aruna,
Associate Professor,



Avanthi Institute of
Pharmaceutical
Sciences.

Organizing Committee

Mrs. Y. Pavani, Assistant Professor
Mrs. M. Divya, Assistant Professor
Mrs. M. Geethanjali, Assistant
Professor

Members

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

6 Days Workshop

On

Critical Thinking and Problem Solving Skills

21/03/2022-26/03/2022

Organized By:

DEPARTMENT OF
PHARMACY



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

CHERUKUPALLY (VILLAGE), NEAR
TAGARAPUVALASA BRIDGE,
BHOGAPURAM(MANDAL), VIZIANAGARAM

Principal
Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162
www.avanthi.ac.in



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Course Title	: Critical Thinking and Problem Solving Skills
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-22
Course instructor	: Mrs. B. Aruna, Associate Professor
Course Coordinator	: Ms. Vishnu Vandana, Associate Professor
Dates	: 21-03-2022 to 26-03-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/M. Pharm/2021/09

Objectives:

- Apply intellectual standards, such as clarity, accuracy, precision, relevance, depth, breadth, logic, and fairness, to assess and improve thinking.
- Identify common cognitive biases that can influence decision-making and develop strategies to minimize their impact.
- Recognize and analyze common logical fallacies in reasoning and argumentation.
- Understand the concept of problem-solving and its relevance in addressing challenges in various contexts.
- Apply different problem-solving models, such as trial and error, divide and conquer, and root cause analysis, to approach and solve problems effectively.

Out comes:

- Students will learn to make decisions based on evidence, using critical thinking to assess the reliability and relevance of information.
- Students will identify problems, questions, or challenges that require critical thinking and analysis.
- Students will apply intellectual standards such as clarity, accuracy, precision, relevance, depth, breadth, logic, and fairness in their thinking.
- Students will integrate creative thinking into problem-solving, exploring innovative solutions and approaches.
- Students will make effective decisions by considering multiple factors, weighing pros and cons, and anticipating potential consequences.
- Students will demonstrate adaptability in problem-solving, adjusting strategies as needed in response to new information or changing circumstances.




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Syllabus

- 1. Introduction to Critical Thinking**
 - Definition and importance of critical thinking
 - Characteristics of critical thinkers
 - Overview of the course content and expectations
- 2. The Elements of Thought**
 - Understanding the components of thought: purpose, question at issue, information, interpretation, concepts, assumptions, implications, and points of view
 - Analysing and evaluating each element
- 3. The Standards of Critical Thinking**
 - Introduction to intellectual standards (clarity, accuracy, precision, relevance, depth, breadth, logic, and fairness)
 - Applying standards to assess thinking
- 4. Cognitive Biases and Fallacies**
 - Identifying common cognitive biases
 - Recognizing logical fallacies
 - Exercises and case studies
- 5. Problem-Solving Approaches**
 - Introduction to problem-solving models
 - Practical problem-solving exercises
 - Decision-making under uncertainty
- 6. Creative Thinking and Innovation**
 - Nurturing creativity
 - Techniques for generating ideas
 - Integrating creativity into problem-solving

Y. Vandana
Course Coordinator

W. Neelima
HOD



JVC
PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal,
Vizianagaram (M), Vizianagaram Dist - 531162

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

TIMETABLE

CLASS: IM. 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	Critical Thinking and Problem Solving Skills	Break	Critical Thinking and Problem Solving Skills	Lunch	Critical Thinking and Problem Solving Skills	Critical Thinking and Problem Solving Skills	Break	Critical Thinking and Problem Solving Skills	Critical Thinking and Problem Solving Skills
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	Critical Thinking and Problem Solving Skills	Break	Critical Thinking and Problem Solving Skills	Lunch	Critical Thinking and Problem Solving Skills	Critical Thinking and Problem Solving Skills	Break	Critical Thinking and Problem Solving Skills	Critical Thinking and Problem Solving Skills
TUE									
WED									
THU									
FRI									
SAT									



[Signature]
PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

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	Critical Thinking and Problem Solving Skills	Break	Critical Thinking and Problem Solving Skills	Lunch	Critical Thinking and Problem Solving Skills	Critical Thinking and Problem Solving Skills	Break	Critical Thinking and Problem Solving Skills	Critical Thinking and Problem Solving Skills
TUE									
WED									
THU									
FRI									
SAT									

Y.V. Vandana
Course Coordinator

N. Neelima
HOD



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

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Reference Book: "Critical Thinking: Tools for Taking Charge of Your Professional and Personal Life" by Richard W. Paul and Linda Elder

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	21-03-2022	6hrs	1. Introduction to Critical Thinking <ul style="list-style-type: none">• Definition and importance of critical thinking• Characteristics of critical thinkers• Overview of the course content and expectations
2.		22-03-2022	6hrs	2. The Elements of Thought <ul style="list-style-type: none">• Understanding the components of thought: purpose, question at issue, information, interpretation, concepts, assumptions, implications, and points of view• Analysing and evaluating each element
3.		23-03-2022	6hrs	3. The Standards of Critical Thinking <ul style="list-style-type: none">• Introduction to intellectual standards (clarity, accuracy, precision, relevance, depth, breadth, logic, and fairness)• Applying standards to assess thinking
4.		24-03-2022	6hrs	4. Cognitive Biases and Fallacies <ul style="list-style-type: none">• Identifying common cognitive biases• Recognizing logical fallacies• Exercises and case studies




PRINCIPAL



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

5.		25-03-2022	6hrs	5. Problem-Solving Approaches <ul style="list-style-type: none">• Introduction to problem-solving models• Practical problem-solving exercises• Decision-making under uncertainty
6.		26-03-2022	6hrs	6. Creative Thinking and Innovation <ul style="list-style-type: none">• Nurturing creativity• Techniques for generating ideas• Integrating creativity into problem-solving

Y.V. Sandana
Course Coordinator

N. Neelima
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Assessment:

1. **What is critical thinking?**
 - a. Accepting information without questioning
 - b. The ability to analyze and evaluate information and arguments
 - c. Relying solely on intuition
 - d. Following a set of predefined rules
2. **What is a cognitive bias?**
 - a. A logical reasoning process
 - b. An error in thinking influenced by personal factors
 - c. A reliable decision-making strategy
 - d. A form of creativity
3. **Which intellectual standard involves presenting information in a clear, precise, and meaningful manner?**
 - a. Clarity
 - b. Accuracy
 - c. Relevance
 - d. Depth
4. **What is a common obstacle to critical thinking?**
 - a. Open-mindedness
 - b. Confirmation bias
 - c. Objectivity
 - d. Logical reasoning
5. **What is a key step in the problem-solving process?**
 - a. Ignoring alternative solutions
 - b. Defining the problem clearly
 - c. Avoiding collaboration
 - d. Relying on intuition only
6. **Which problem-solving approach involves breaking down a problem into smaller parts and solving them individually?**
 - a. Trial and error
 - b. Root cause analysis
 - c. Divide and conquer
 - d. Intuitive reasoning
7. **What does the acronym SMART stand for in goal-setting within problem-solving?**
 - a. Systematic, Measurable, Achievable, Relevant, Timely
 - b. Strategic, Motivational, Aligned, Reflective, Targeted
 - c. Specific, Measurable, Achievable, Relevant, Time-bound
 - d. Structured, Meaningful, Adaptive, Resourceful, Thoughtful




PRINCIPAL



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

8. **What is lateral thinking?**
 - a. Sequential and linear problem-solving
 - b. Thinking outside the conventional methods
 - c. Avoiding risks in decision-making
 - d. Relying on intuition exclusively
9. **What does the term "SWOT" stand for in the context of problem-solving?**
 - a. Strengths, Weaknesses, Opportunities, Tactics
 - b. Systematic, Well-organized, Objective, Testable
 - c. Strategic, Workflow, Objectives, Threats
 - d. Strengths, Weaknesses, Opportunities, Threats
10. **What is the purpose of intellectual standards in critical thinking?**
 - a. To limit creative thinking
 - b. To provide objective criteria for evaluation
 - c. To discourage questioning
 - d. To promote conformity

Y. V. Vandana
Course Coordinator

S. Neelina
HOD

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



h
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 21-03-2022 to 26-03-2022
No. of Students Enrolled : 15
Subject : Critical Thinking and Problem Solving Skills IIM.
Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name
1	21T51S1601	Bonu Priyanka
2	21T51S1602	Buddharaju Lekha
3	21T51S1603	Ganivada Geethashankara Rao
4	21T51S1604	Garbhapu Vamsi
5	21T51S1605	Gembali Rohith
6	21T51S1606	Kaligotla Naga HimaBindu
7	21T51S1607	Kenguva Ramya
8	21T51S1608	Kesamsetty V Sai Aparna Lahari Likhita
9	21T51S1609	Marla Prudhvi Raj
10	21T51S1610	Meka Pavan Kalyan
11	21T51S1611	Meka Vasmika
12	21T51S1612	Motapalli Reshma Satya Sri
13	21T51S1613	Nagaraju Sruthi Sandhya
14	21T51S1614	Pandhiri Palli Bhuvanewari
15	21T51S1615	Peddimsetty Pallavi



Y.V. Vandana
Course Coordinator

[Signature]
PRINCIPAL

[Signature]
Avanathi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram Dist

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 21-03-2022 to 26-03-2022
No. of Students Enrolled : 07
Subject : Critical Thinking and Problem Solving Skills I
M.Pharmacy (Pharmacology)

S. No	Roll No.	Student Name
1	21T51S0601	Engraj Jyoti Das
2	21T51S0602	Kucharlapati Pavani
3	21T51S0603	Manish Kumar
4	21T51S0604	Yvdata Rachana
5	21T51S0605	Rongali Ramadevi
6	21T51S0606	Pretom Chakraborty
7	21T51S0607	Yalla Hemalatha

Y.V. Vandana
Course Coordinator

N. Neelima
HOD

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



[Signature]
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 21-03-2022 to 26-03-2022
No. of Students Enrolled : 14
Subject : Critical Thinking and Problem Solving Skills I M.
Pharmacy (Pharmaceutics)

S. No	Roll No.	Student Name
1	21T51S0301	Ambati Ramakrishna
2	21T51S0302	B Rohith Kumar
3	21T51S0303	BalaNeekita
4	21T51S0304	Siddani Sruthi Suvarchala
5	21T51S0305	Malla Vasundhara
6	21T51S0306	Migada Durgadevi
7	21T51S0307	Potupureddi Sivakali Bharghavi
8	21T51S0308	Silapara Setty Shyam Sai
9	21T51S0309	Singidi Venkata Anil Chandra
10	21T51S0310	Subha Priya Undavalli(Gpat)
11	21T51S0311	Uppada Suryam
12	21T51S0312	Uppada Vasantha
13	21T51S0313	V Manohar
14	21T51S0314	Jami Jyoshna

Y.V. Vandana
Course Coordinator



[Signature]
PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

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

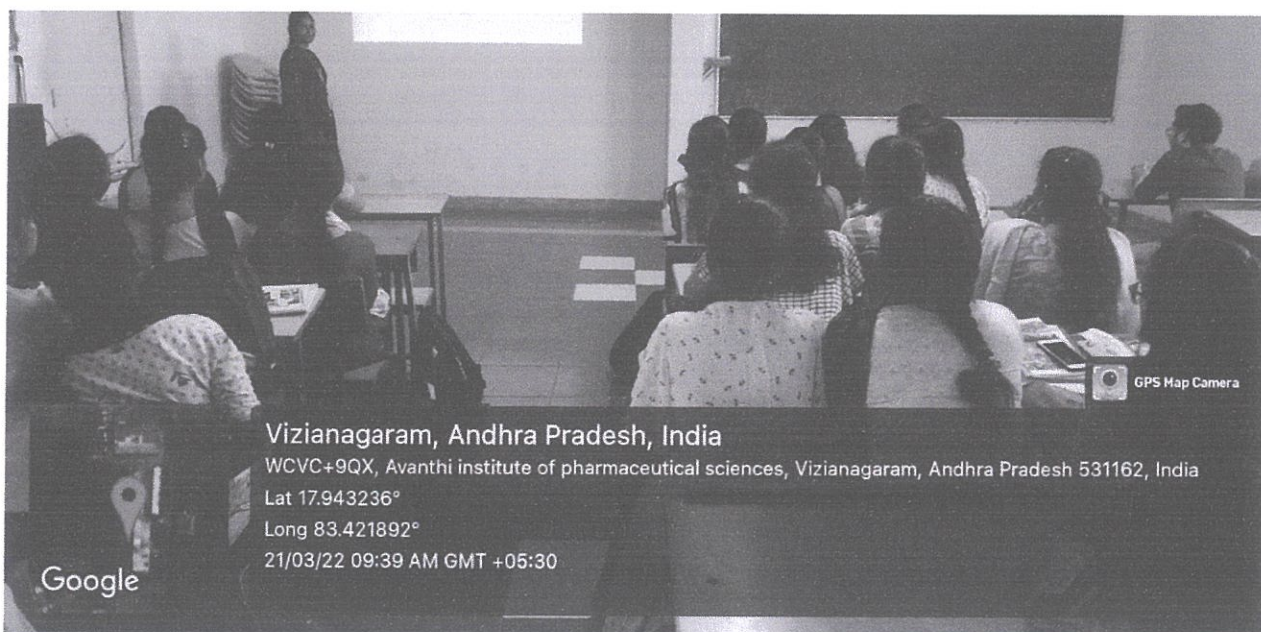
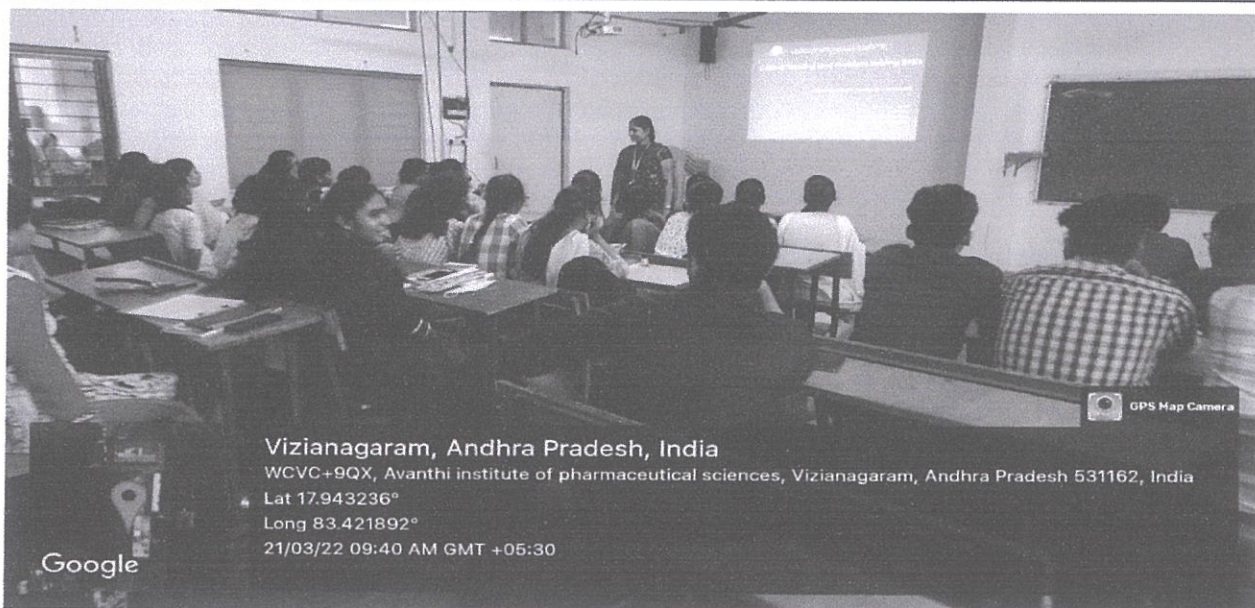
[Signature]
Avanthi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITTIVALASA S.A.O.
Bhogapuram (M), Vizianagaram



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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



The students of 1st year M. Pharmacy certificate program attending “**CRITICAL THINKING AND PROBLEM SOLVING SKILLS**” by the Associate Professor Mrs. B. Aruna

Y. V. Vandana
Course Coordinator



N. Neelima
HOD

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

Principal
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

ESTD : 2005

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

Date : 21-03-2022 to 26-03-2022

Subject : Critical Thinking and Problem Solving Skills

I M. Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name	21/03/22	22/03/22	23/03/22	24/03/22	25/03/22	26/03/22
1	21T51S0301	Ambati Ramakrishna	✓	✓	✓	✓	✓	✓
2	21T51S0302	B Rohith Kumar	A	✓	✓	A	✓	✓
3	21T51S0303	BalaNeekita	✓	A	✓	✓	✓	✓
4	21T51S0304	Siddani Sruthi Suvarchala	✓	✓	✓	✓	A	✓
5	21T51S0305	Malla Vasundhara	✓	✓	A	✓	✓	✓
6	21T51S0306	Migada Durgadevi	✓	✓	✓	✓	✓	A
7	21T51S0307	Potupureddi Sivakali Bharghavi	✓	✓	✓	A	✓	✓
8	21T51S0308	Silapara Setty Shyam Sai	✓	A	✓	✓	✓	✓
9	21T51S0309	Singidi Venkata Anil Chandra	A	✓	✓	✓	✓	✓
10	21T51S0310	Subha Priya Undavalli(Gpat)	✓	✓	✓	✓	A	✓
11	21T51S0311	Uppada Suryam	✓	✓	A	✓	✓	✓
12	21T51S0312	Uppada Vasantha	✓	✓	✓	A	✓	✓
13	21T51S0313	V Manohar	✓	✓	✓	✓	✓	A
14	21T51S0314	Jami Jyoshna	✓	✓	✓	✓	✓	✓

Y. V. Vandana
Course Coordinator



N. Neelima
Avanthi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITVALASA S.A.O.
HOD
Bhogapuram (M), Vizianagaram Dist

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

PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 21-03-2022 to 26-03-2022

Subject : Critical Thinking and Problem Solving Skills
Pharmacy (Pharmaceutical Analysis)

I.M.

S. No	Roll No.	Student Name	21/03/22	22/03/22	23/03/22	24/03/22	25/03/22	26/03/22
1	21T51S1601	Bonu Priyanka	✓	✓	A	✓	✓	✓
2	21T51S1602	Buddharaju Lekha	✓	✓	✓	✓	A	✓
3	21T51S1603	Ganivada Geethashankara Rao	A	✓	✓	✓	✓	✓
4	21T51S1604	Garbhapu Vamsi	✓	✓	✓	✓	✓	A
5	21T51S1605	Gembali Rohith	✓	A	✓	✓	✓	✓
6	21T51S1606	Kaligotla Naga HimaBindu	✓	✓	✓	✓	✓	✓
7	21T51S1607	Kenguva Ramya	✓	✓	A	✓	A	✓
8	21T51S1608	Kesamsetty V Sai Aparna Lahari Likhita	✓	✓	✓	✓	✓	A
9	21T51S1609	Marla Prudhvi Raj	✓	✓	✓	A	✓	✓
10	21T51S1610	Meka Pavan Kalyan	A	A	A	A	A	A
11	21T51S1611	Meka Vasmika	✓	✓	✓	✓	✓	✓
12	21T51S1612	Motapalli Reshma Satya Sri	✓	✓	✓	✓	✓	✓
13	21T51S1613	Nagaraju Sruthi Sandhya	A	✓	✓	✓	✓	✓
14	21T51S1614	Pandhiri Palli Bhuvanawari	✓	✓	✓	A	✓	✓
15	21T51S1615	Peddinsetty Pallavi	✓	✓	✓	A	✓	✓

Y.V. Vandana
Course Coordinator

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

Avanathi Institute of Pharmaceutical Sciences



102
PRINCIPAL
Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 21-03-2022 to 26-03-2022

Subject : Critical Thinking and Problem Solving Skills
M. Pharmacy (Pharmacology)

I

S. No	Roll No.	Student Name	21/03/22	22/03/22	23/03/22	24/03/22	25/03/22	26/03/22
1	21T51S01601	Engraj Jyoti Das	✓	A	✓	✓	✓	✓
2	21T51S01602	Kucharlapati Pavani	✓	A	✓	✓	✓	✓
3	21T51S01603	Manish Kumar	✓	A	✓	✓	✓	✓
4	21T51S01604	Yvdata Rachana	A	A	A	A	A	A
5	21T51S01605	Rongali Ramadevi	✓	✓	✓	✓	✓	✓
6	21T51S01606	Pretom Chakraborty	✓	✓	✓	✓	✓	✓
7	21T51S01607	Yalla Hemalatha	✓	✓	✓	✓	✓	✓

M.V. Vandana
Course Coordinator

N. Neelima
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 21-03-2022 to 26-03-2022
No. of Students Enrolled : 15
Subject : Critical Thinking and Problem Solving Skills I
M. Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	21T51S1601	Bonu Priyanka	30	83%
2	21T51S1602	Buddharaju Lekha	30	83%
3	21T51S1603	Ganivada Geethashankara Rao	30	83%
4	21T51S1604	Garbhapu Vamsi	30	83%
5	21T51S1605	Gembali Rohith	30	83%
6	21T51S1606	Kaligotla Naga HimaBindu	36	100%
7	21T51S1607	Kenguva Ramya	24	66%
8	21T51S1608	Kesamsetty V Sai Aparna Lahari Likhita	30	83%
9	21T51S1609	Marla Prudhvi Raj	30	83%
10	21T51S1610	Meka Pavan Kalyan	NIL	0%
11	21T51S1611	Meka Vasmika	36	100%
12	21T51S1612	Motapalli Reshma Satya Sri	36	100%
13	21T51S1613	Nagaraju Sruthi Sandhya	30	83%
14	21T51S1614	Pandhiri Palli Bhuvaneswari	30	83%
15	21T51S1615	Peddimsetty Pallavi	30	83%



Y.V. Vandana
Course Coordinator

Principal
PRINCIPAL

A. Redina
Avanathi Institute of Pharmaceutical Sciences
CHERUKUPALLY (V)
CHITIVALASA S.A.O.
HOD

Avanathi Institute of Pharmaceutical Sciences, Bhogapuram (M), Vizianagaram Dist

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 21-03-2022 to 26-03-2022
No. of Students Enrolled : 14
Subject : Critical Thinking and Problem Solving Skills I
M. Pharmacy (Pharmaceutics)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	21T51S0301	Ambati Ramakrishna	36	100%
2	21T51S0302	B Rohith Kumar	24	66%
3	21T51S0303	BalaNeekita	30	83%
4	21T51S0304	Siddani Sruthi Suvarchala	30	83%
5	21T51S0305	Malla Vasundhara	30	83%
6	21T51S0306	Migada Durgadevi	30	83%
7	21T51S0307	Potupureddi Sivakali Bharghavi	30	83%
8	21T51S0308	Silapara Setty Shyam Sai	30	83%
9	21T51S0309	Singidi Venkata Anil Chandra	30	83%
10	21T51S0310	Subha Priya Undavalli(Gpat)	30	83%
11	21T51S0311	Uppada Suryam	30	83%
12	21T51S0312	Uppada Vasantha	30	83%
13	21T51S0313	V Manohar	30	83%
14	21T51S0314	Jami Jyoshna	36	100%



Y.V. Vandana
Course Coordinator

hvs
PRINCIPAL

N. Neelima
HOD

Avanathi Institute of Pharmaceutical Sciences
CHERUKUPALLY
CHITTIVALASA S.O.

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 21-03-2022 to 26-03-2022
No. of Students Enrolled : 14
Subject : Critical Thinking and Problem Solving Skills I
M. Pharmacy (Pharmacology)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	21T51S0601	Engraj Jyoti Das	30	83%
2	21T51S0602	Kucharlapati Pavani	30	83%
3	21T51S0603	Manish Kumar	30	83%
4	21T51S0604	Yvdata Rachana	NIL	0%
5	21T51S0605	Rongali Ramadevi	36	100%
6	21T51S0606	Pretom Chakraborty	36	100%
7	21T51S0607	Yalla Hemalatha	36	100%

Y.V. Vandana
Course Coordinator

D. Neelima
HOD

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



h
PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

SUBHA PRJYA

Bearing roll, no **21T51S0310** pursuing **I M Pharmacy** has successfully completed value added course on
“CRITICAL THINKING AND PROBLEM SOLVING SKILLS”
held from 21-03-2022 to 26-03-2022 .

V. Ilma Sankar

Convener



Prjya

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

UPPADA SURYAM

Bearing roll, no 21T51S0311 pursuing I M Pharmacy has successfully completed value added course on
"CRITICAL THINKING AND PROBLEM SOLVING SKILLS"
held from 21-03-2022 to 26-03-2022 .

V. Uma Sankar

Convener



[Signature]

PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PC, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

UPPADA VASANTHA

Bearing roll, no **21T51S0312** pursuing **I M Pharmacy** has successfully completed value added course on
“CRITICAL THINKING AND PROBLEM SOLVING SKILLS”
held from 21-03-2022 to 26-03-2022 .

V. Uma Sankar

Convener



[Signature]

Principal
PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt. - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

V MANOHAR

Bearing roll, no **21T51S0313** pursuing **I M Pharmacy** has successfully completed value added course on
“CRITICAL THINKING AND PROBLEM SOLVING SKILLS”
held from 21-03-2022 to 26-03-2022 .

V. Uma Sankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

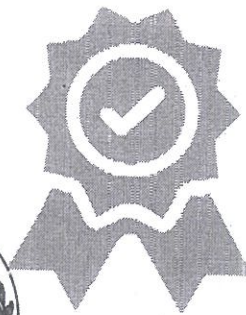
This is presented to:

JAMJ JYOSHNA

Bearing roll, no **21T51S0314** pursuing **I M Pharmacy** has successfully completed value added course on
“CRITICAL THINKING AND PROBLEM SOLVING SKILLS”
held from 21-03-2022 to 26-03-2022 .

V. Uma Sankar

Convener



[Signature]

PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2021-22/10

Date: 04-04-2022

CIRCULAR

This is to inform all the students of 2ND M. Pharm that a value-added course will be conducted on the topic "Pharmacy automation and robotics" from 11/04/2022 to 16/04/2022. Interested students are required to sign-up for the above-mentioned course with "Mrs. ASHA PARVEEN" Associate Professor in the Department of Pharmacy.



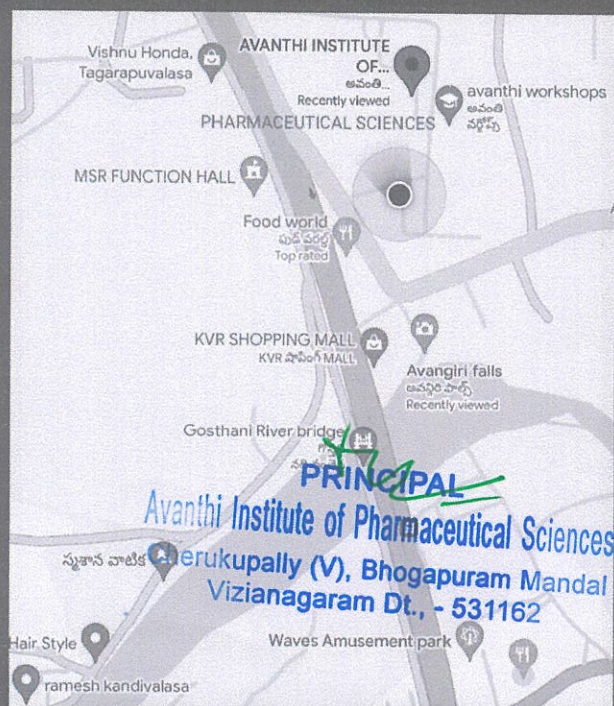
Principal
Principal

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

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 JNTUK, Kakinada 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 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

Mrs. Asha Parveen,
Associate Professor,



Srinivasa College of
Pharmacy

Organizing Committee

Mrs. Y. Pavani, Assistant Professor
Mrs. B. Aruna, Assistant Professor
Mrs. B. Rama Madhuri, Assistant
Professor

Members

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

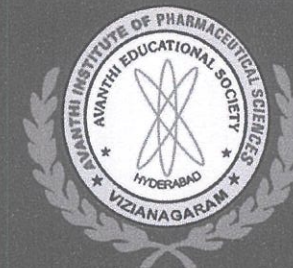
6 Days Workshop
On

Pharmacy Automation And Robotics

11/04/2022 - 16/04/2022

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,
BHOGAPURAM(MANDAL), VIZIANAGARAM
-531162.

www.avanthipharma.ac.in



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Course Title	: Pharmacy automation and robotics
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-22
Course Instructor	: Mrs. Asha Parveen, Associate Professor, Srinivasa College of Pharmacy, P.M. Palem, Vissakhapatnam.
Course Coordinator	: Ms. Y. Vishnu Vandana, Associate Professor
Dates	: 11-04-2022 to 16-04-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/M. Pharm/2021/10

Objectives:

- Enhancement medication safety
- Patient engagement and counselling
- Regulatory compliance
- Economic friendly
- Integration with EHR

Out comes:

- Patient satisfaction
- Adherence support
- Adaptability
- Quality improvement
- Data – driven decision making




PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Syllabus

1. Introduction to pharmacy automation:

- Evolution
- Types of pharmacy automation
- Pros and challenges
- Importance
- Regulatory frame work

2. Automated medication dispensing system:

- Automated dispensing cabinets (ADCs)
- Workflow integration with ADCs
- Medication verification
- ADC utilization

3. Robotics in medication handling:

- Introduction
- Applications
- Accuracy and precision
- Integration

4. Inventory management and workflow optimization:

- Automated tracking and management
- Minimization of stock outs and overstock situations
- Expire date management
- Workflow optimization strategies

5. Patient safety and adherence support:

- Introduction
- Technology solutions for improving patient safety
- Adherence support
- Patient counseling
- Interactive session
- Evaluating patient outcomes

6. future trends and integration:

- Introduction
- Emerging technologies in pharmacy automation
- Analytics in pharmacy

Y. V. Vandana
Course Coordinator



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

Avanathi Institute of Pharmaceutical Sciences

PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

TIMETABLE

CLASS: IIM. PHARMACY (Pharmaceutical Technology)

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	Pharmacy automation and robotics	Break	Pharmacy automation and robotics	Lunch	Pharmacy automation and robotics	Pharmacy automation and robotics	Break	Pharmacy automation and robotics	Pharmacy automation and robotics
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	Pharmacy automation and robotics	Break	Pharmacy automation and robotics	Lunch	Pharmacy automation and robotics	Pharmacy automation and robotics	Break	Pharmacy automation and robotics	Pharmacy automation and robotics
TUE									
WED									
THU									
FRI									
SAT									



PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

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	Pharmacy automation and robotics	Break	Pharmacy automation and robotics	Lunch	Pharmacy automation and robotics	Pharmacy automation and robotics	Break	Pharmacy automation and robotics	Pharmacy automation and robotics
TUE									
WED									
THU									
FRI									
SAT									

Y.V. Sundare
Course Coordinator

N. N. Krishna
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Reference book: "Robotics in Pharmacy: Automation and Implementation" by Bo Xie and Elizabeth B. Hirschman

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	11-04-2022	6hrs	1. Introduction to pharmacy automation: <ul style="list-style-type: none">• Evolution• Types of pharmacy automation• Pros and challenges• Importance• Regulatory frame work
2.		12-04-2022	6hrs	2. Automated medication dispensing system: <ul style="list-style-type: none">• Automated dispensing cabinets (ADCs)• Workflow integration with ADCs• Medication verification• ADC utilization
3.		13-04-2022	6hrs	3. Robotics in medication handling: <ul style="list-style-type: none">• Introduction• Applications• Accuracy and precision• Integration
4.		14-04-2022	6hrs	4. Inventory management and workflow optimization: <ul style="list-style-type: none">• Automated tracking and management• Minimization of stockouts and overstock situations• Expire date management• Workflow optimization strategies



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

5.		15-04-2022	6hrs	5. Patient safety and adherence support: <ul style="list-style-type: none">• Introduction• Technology solutions for improving patient safety• Adherence support• Patient counseling• Interactive session• Evaluating patient outcomes
6.		16-04-2022	6hrs	6. future trends and integration: <ul style="list-style-type: none">• Introduction• Emerging technologies in pharmacy automation• Analytics in pharmacy

y.v. vandana
Course Coordinator

N. Neelima
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 11-04-2022 to 16-04-2022
No. of Students Enrolled : 06
Subject : "Pharmacy automation and robotics"
II M. Pharmacy (Pharmaceutical Analysis))

S. No	Roll No.	Student Name
1	20T51S1601	Bandapu Anusha
2	20T51S1602	Menda Roja
3	20T51S1603	Sabbavarapu Parvathi
4	20T51S1604	Kadiyam Sowjanya
5	20T51S1605	Chintagunti Sai Lavanya
6	20T51S1606	Sayyad Ashiya Parveen

Y.V. Vandana
Course Coordinator

N. Neelva
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 11-04-2022 to 16-04-2022
No. of Students Enrolled : 03
Subject : "Pharmacy automation and robotics"
II M. Pharmacy (Pharmacology)

S. No	Roll No.	Student Name
1	20T51S0601	KancharlaMoulika
2	20T51S0602	Majji Guna Sundari
3	20T51S0603	Muminuz Zaman

Y. V. Vardaan
Course Coordinator

N. Neelie
HOD

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



h
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 11-04-2022 to 16-04-2022
No. of Students Enrolled : 06
Subject : "Pharmacy automation and robotics"
IIM. Pharmacy (Pharmaceutics)

S. No	Roll No.	Student Name
1	20T51S0301	Ankamreddi Pavani
2	20T51S0302	Yendradla Hiranmai
3	20 T51S0303	Vutapalli Esther Rani
4	20T51S0304	Tadi Sankeerthana
5	20T51S0305	Korabu Maithili
6	20T51S0306	Neelapu Guna Prasanth

Y.V. Vandana
Course Coordinator

N. Neelina
HOD

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



[Signature]
PRINCIPAL

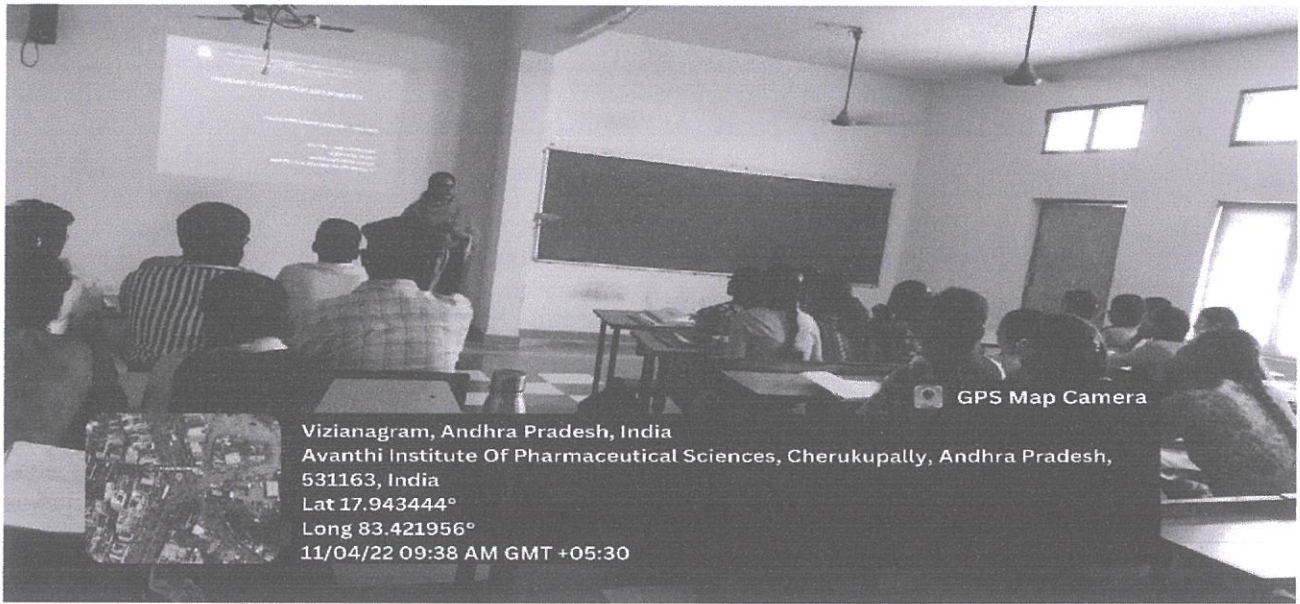
Avanathi Institute of Pharmaceutical Sciences
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162



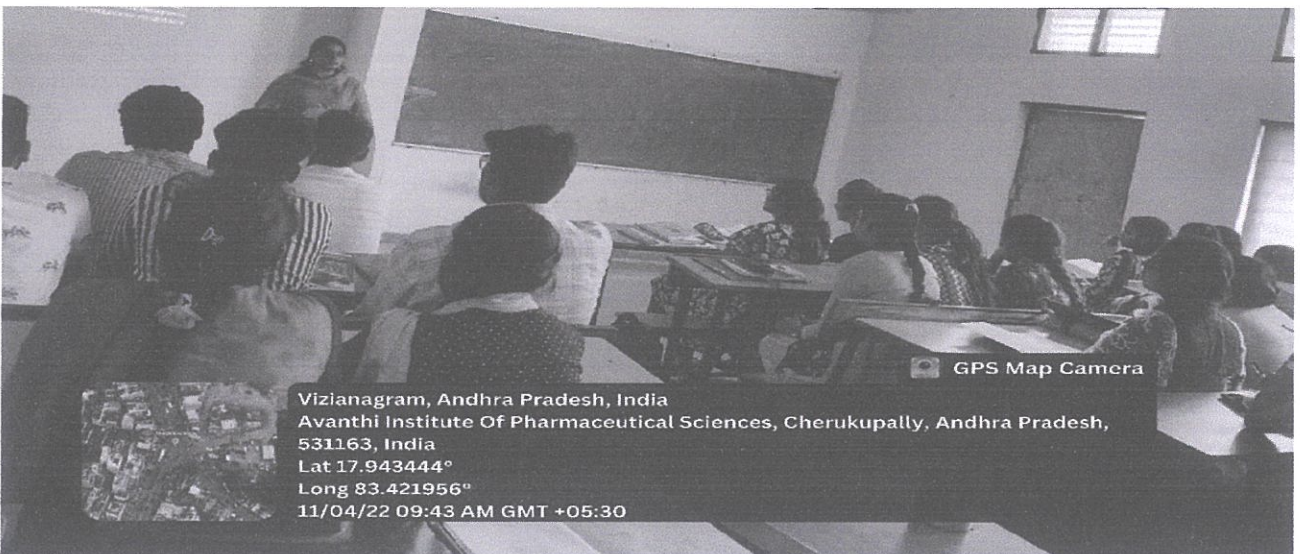
AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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



Vizianagram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
11/04/22 09:38 AM GMT +05:30



Vizianagram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
11/04/22 09:43 AM GMT +05:30

The students of 2nd year M. Pharmacy certificate program attending “**PHARMACY AUTOMATION AND ROBOTICS**” by the Associate Professor Mrs. Asha Parveen, Srinivasa College of Pharmacy, P.M. Palem, Vissakhapatnam.

Y.V. Vandana
Course Coordinator



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

[Signature]
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

ESTD : 2005

Date : 11-04-2022 to 16-04-2022

Subject : "Pharmacy automation and robotics" II M. Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name	11/04/22	12/04/22	13/04/22	14/04/22	15/04/22	16/04/22
1	20T51S1601	Bandapu Anusha	✓	✓	✓	A	✓	✓
2	20T51S1602	Menda Roja	A	✓	✓	✓	✓	A
3	20T51S1603	Sabbavarapu Parvathi	✓	A	✓	✓	✓	✓
4	20T51S1604	Kadiyam Sowjanya	✓	✓	A	✓	✓	✓
5	20T51S1605	Chintagunti Sai Lavanya	✓	✓	✓	A	✓	✓
6	20T51S1606	Sayyad Ashiya Parveen	A	✓	✓	✓	A	✓

y. v. vandana
Course Coordinator

N. Neelina
HOD

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



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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 11-04-2022 to 16-04-2022

Subject : "Pharmacy automation and robotics"

II M. Pharmacy (Pharmacology)

S. No	Roll No.	Student Name	11/04/22	12/04/22	13/04/22	14/04/22	15/04/22	16/04/22
1	20T51S0601	Kancharla Moulika	✓	✓	✓	✓	✓	✓
2	20T51S0602	Majji Guna Sundari	A	A	A	A	A	A
3	20T51S0603	Muminuz Zaman	✓	✓	✓	✓	✓	✓

Y.V. Vandana
Course Coordinator

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



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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 11-04-2022 to 16-04-2022

Subject : "Pharmacy automation and robotics" II M. Pharmacy (Pharmaceutics)

S. No	Roll No.	Student Name	11/04/22	12/04/22	13/04/22	14/04/22	15/04/22	16/04/22
1	20T51S0301	Ankamreddi Pavani	✓	✓	✓	✓	A	A
2	20T51S0302	Yendradla Hiranmai	✓	A	✓	A	✓	✓
3	20T51S0303	Vutapalli Esther Rani	✓	✓	A	✓	✓	✓
4	20T51S0304	Tadi Sankeerthana	✓	✓	✓	✓	✓	✓
5	20T51S0305	Korabu Maithili	A	✓	✓	✓	✓	A
6	20T51S0306	Neelapu Guna Prasanth	A	✓	✓	A	✓	✓

Y.V. Vandana
Course Coordinator

N. Neelima
HOD

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



h3
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 11-04-2022 to 16-04-2022
No. of Students Enrolled : 06
Subject : "Pharmacy automation and robotics"
II M. Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	20T51S1601	Bandapu Anusha	30	83%
2	20T51S1602	Menda Roja	24	66%
3	20T51S1603	Sabbavarapu Parvathi	30	83%
4	20T51S1604	Kadiyam Sowjanya	30	83%
5	20T51S1605	Chintagunti Sai Lavanya	30	83%
6	20T51S1606	Sayyad Ashiya Parveen	24	66%

M.V. Vandana
Course Coordinator

N. Neeha
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

Date : 11-04-2022 to 16-04-2022
No. of Students Enrolled : 03
Subject : "Pharmacy automation and robotics"
II M. Pharmacy (Pharmacology)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	20T51S0601	Kancharla Moulika	36	100%
2	20T51S0602	Majji Guna Sundari	0	0%
3	20T51S0603	Muminuz Zaman	36	100%

Y.V. Vandana
Course Coordinator

N. Neelima
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 11-04-2022 to 16-04-2022
No. of Students Enrolled : 06
Subject : "Pharmacy automation and robotics"
II M. Pharmacy (Pharmaceutics)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	20T51S0301	Ankamreddi Pavani	24	66%
2	20T51S0302	Yendradla Hiranmai	24	66%
3	20T51S0303	Vutapalli Esther Rani	30	83%
4	20T51S0304	Tadi Sankeerthana	36	100%
5	20T51S0305	Korabu Maithili	24	66%
6	20T51S0306	Neelapu Guna Prasanth	24	66%

Y. V. Vandana
Course Coordinator

N. Neelima
HOD

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



Principal
PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

CERTIFICATE OF COMPLETION

This is presented to:

ANKAMREDDY PAVANJ

Bearing roll, no 20T51S0301 pursuing II M Pharmacy has successfully completed value added course on
“**PHARMACY AUTOMATION AND ROBOTICS**”
held from 11-04--2022 to 16-04-2022 .

V. UmaSankar

Convener



[Signature]



Principal
PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

KADJYAM SOWJANYA

Bearing roll, no 20T51S1604 pursuing II M Pharmacy has successfully completed value added course on
"PHARMACY AUTOMATION AND ROBOTICS"
held from 11-04--2022 to 16-04-2022 .

V. Sankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

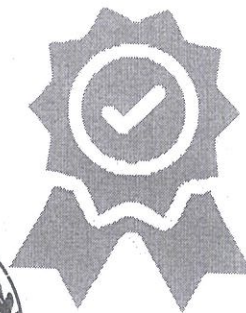
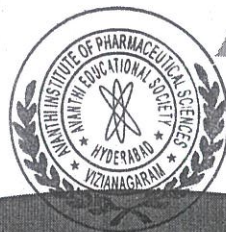
This is presented to:

CHINTAGUNTI SAJ LAVANYA

Bearing roll, no 20T51S1605 pursuing II M Pharmacy has successfully completed value added course on
"PHARMACY AUTOMATION AND ROBOTICS"
held from 11-04--2022 to 16-04-2022 .

V. UmaSankar

Convener



[Signature]

PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

SAYYAD ASHJYA PARVEEN

Bearing roll, no 20T51S1606 pursuing II M Pharmacy has successfully completed value added course on
"PHARMACY AUTOMATION AND ROBOTICS"
held from 11-04--2022 to 16-04-2022 .

v. UmaSankar

Convener



[Signature]

PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

MUMJNUZ ZAMAN

Bearing roll, no **20T51S0603** pursuing **II M Pharmacy** has successfully completed value added course on
“PHARMACY AUTOMATION AND ROBOTICS”
held from 11-04--2022 to 16-04-2022 .

V. Uma Sankar

Convener



[Signature]

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



DEPARTMENT OF PHARMACY


Ref no: AIPS/Pharmacy/2021-22/11

Date: 14-11-2022

CIRCULAR

This is to inform all the students of 3rd Pharm D that a value-added course will be conducted on the topic “Immunotherapy In Oncology” from 21/11/2022 to 26/11/2022. Interested students are required to sign-up for the above-mentioned course with “Mrs V. DEVI” Assistant Professor in the Department of Pharmacy.




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

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 JNTUK, Kakinada 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. V. Devi,
Assistant Professor,



St. Ann's College Of
Pharmacy

Organizing Committee

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

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

Mrs. I. Adi Lakshmi, Associate
Professor

Members

All the faculty members in the department
of Pharmaceutical Sciences of the
host institute



**6 Days Workshop
On**

Immunotherapy in Oncology

21/11/2022 - 26/11/2022

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
-531162.

www.avanthipharma.ac.in



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Course Title	: Immunotherapy in oncology
Type of course	: Value Added Course (VAC)
Academic section/semester	: 2021-22
Course Instructor	: Mrs. V. Devi, Assistant Professor, St. Anns College of Pharmacy, Boggula Dibba Area, Vizianagaram
Course Coordinator	: Dr. T. Rushi Naidu, Assisstant Professor
Dates	: 21-11-2022 to 26-11-2022
Duration	: 36 hours
Time	: 9:30AM to 4:20PM
Course code	: VAC/Pharm. D/2021 /11

Objectives:

- Understanding the basics of cancer immunology
- Explore different types of immunotherapy
- Examine clinical applications of immunotherapy
- Understand the role of biomarkers
- Discuss combination therapies
- Updates on current research and development

Out comes:

- Therapeutic approaches
- Immunotherapy clinical applications
- Biomarkers and patient selection
- Combination therapies
- Critical analysis
- Management of ADRs
- Communication and collaboration




PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Syllabus

- 1. Introduction to cancer immunology:**
 - Introduction to cancer immunology
 - Immune system components
 - Immune system functions
 - Mechanism of cancer
- 2. Basic principles of immunotherapy and biomarkers:**
 - Types of immunotherapy
 - Checkpoint inhibitors
 - CAR-T cell therapy
 - Cancer vaccines
 - Mechanism of each immunotherapy type
 - Role of biomarkers and predicting response to immunotherapy
 - Patient selection criteria and considerations
- 3. Clinical applications:**
 - Case studies on successful immunotherapy treatments.
 - Limitations challenges in clinical applications
 - Rationalization of combinational therapy
 - Evidence supporting combinational therapies
- 4. Immunotherapy – related adverse events:**
 - Introduction to ADRs
 - Classification
 - Common side effects and their management
 - Strategies for mitigating ADRs
 - Reporting of ADRs
 - Documentation of ADRs
- 5. Regulatory and ethical considerations :**
 - Introduction
 - History
 - Regulatory processes for approval of immunotherapeutic agents



[Signature]
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

6. Research and development:

- Introduction
- History
- Meta- Analysis of recent literature
- Emerging trends and innovations

Ahi
Course Coordinator

V. Murthy
HOD

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



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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

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	Immunotherapy in oncology	Break	Immunotherapy in oncology	Lunch	Immunotherapy in oncology	Immunotherapy in oncology	Break	Immunotherapy in oncology	Immunotherapy in oncology
TUE									
WED									
THU									
FRI									
SAT									

Ahi

Course Coordinator

V. Murugesan
HOD

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

Pr
PRINCIPAL

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





AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

Reference Book: "Cancer Immunotherapy: Immune Suppression and Tumor Growth" by George C. Prendergast and Elizabeth M. Jaffee

S.NO	No. of Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.	Week-1	21-11-2022	6hrs	1. Introduction to cancer immunology: <ul style="list-style-type: none">• Introduction to cancer immunology• Immune system components• Immune system functions• Mechanism of cancer
2.		22-11-2022	6hrs	2. Basic principles of immunotherapy and biomarkers: <ul style="list-style-type: none">• Types of immunotherapy• Checkpoint inhibitors• CAR-T cell therapy• Cancer vaccines• Mechanism of each immunotherapy type• Role of biomarkers and predicting response to immunotherapy• Patient selection criteria and considerations
3.		23-11-2022	6hrs	3. Clinical applications : <ul style="list-style-type: none">• Case studies on successful immunotherapy treatments.• Limitations challenges in clinical applications• Rationalization of combinational therapy• Evidence supporting combinational therapies




PRINCIPAL

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

4.		24-11-2022	6hrs	4. Immunotherapy – related adverse events: <ul style="list-style-type: none">• Introduction to ADRs• Classification• Common side effects and their management• Strategies for mitigating ADRs• Reporting of ADRs• Documentation of ADRs
5.		25-11-2022	6hrs	5. Regulatory and ethical considerations : <ul style="list-style-type: none">• Introduction• History• Regulatory processes for approval of immunotherapeutic agents
6.		17-12-2022	6hrs	6. Research and development: <ul style="list-style-type: none">• Introduction• History• Meta- Analysis of recent literature• Emerging trends and innovations


Course Coordinator


HOD

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


PRINCIPAL

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





ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

19	19T51T0019	Sripada Venkata Sri Alekhya
20	19T51T0020	Tentu Sharmila
21	19T51T0021	Vaddadi Madhuri Smith
22	19T51T0022	Vanapalli Sandhya Rani
23	19T51T0023	Vantaku Syam Kumar
24	19T51T0024	Pilla Sai Sushmitha
25	19T51T0027	Karrothu Syamala

Ali

Course Coordinator

V. Venkatesh
HOD

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



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

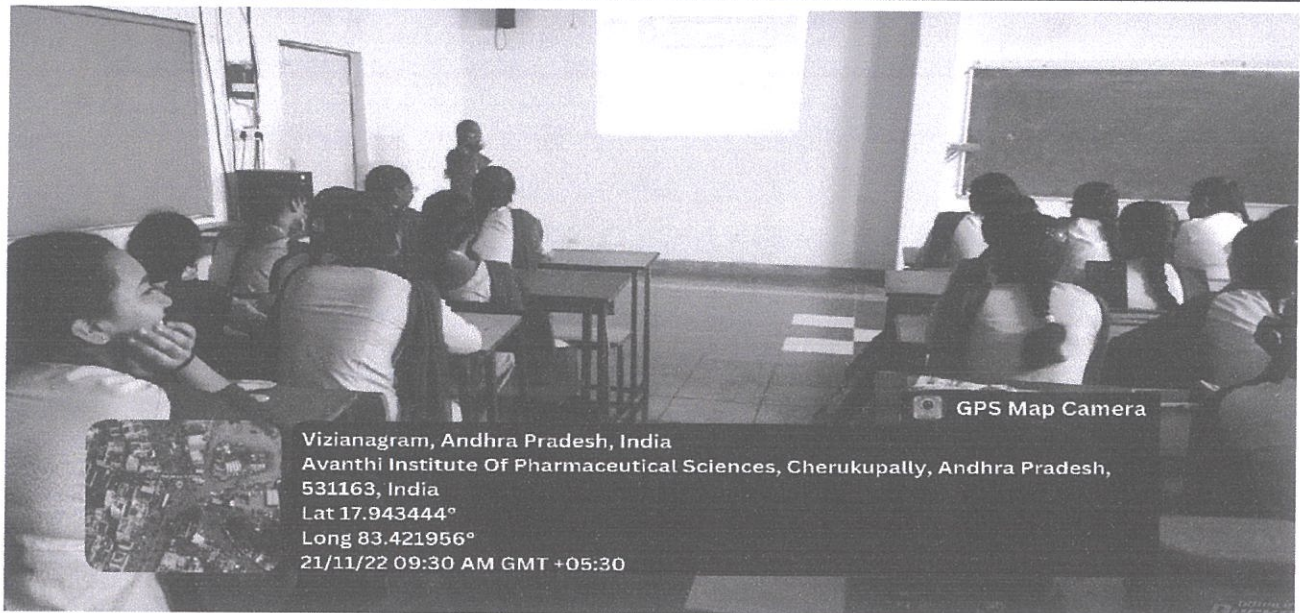


AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

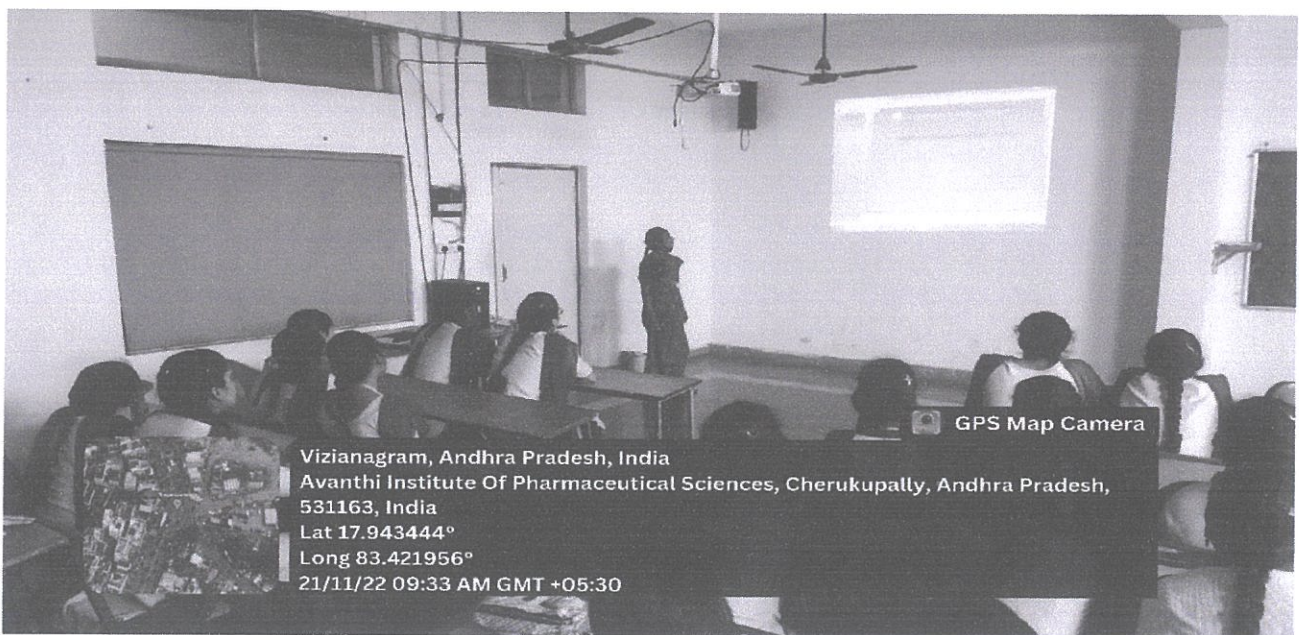
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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



Vizianagram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
21/11/22 09:30 AM GMT +05:30



Vizianagram, Andhra Pradesh, India
Avanathi Institute Of Pharmaceutical Sciences, Cherukupally, Andhra Pradesh,
531163, India
Lat 17.943444°
Long 83.421956°
21/11/22 09:33 AM GMT +05:30

The students of 3rd year Pharm. D certificate program attending “**IMMUNOTHERAPY IN ONCOLOGY**” by the Assistant Professor Mrs. V. Devi, St. Anns College of Pharmacy, Boggula Dibba Area, Vizianagaram.

Rhi
Course Coordinator



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

Principal
PRINCIPAL

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

Date : 21-11-2022 to 26-11-2022


Subject : "Immunotherapy in Oncology"

III Pharm. D

S. No	Roll No.	Student Name	21/11/22	22/11/22	23/11/22	24/11/22	25/11/22	26/11/22
1	19T51T0001	Alajingi Susmita	✓	✓	✓	✓	✓	✓
2	19T51T0002	Boddepalli Rakesh	✓	A	✓	✓	✓	✓
3	19T51T0003	Boni Tabitha Smily	✓	✓	✓	A	✓	✓
4	19T51T0004	Chadaram Pragnatha	✓	✓	✓	✓	✓	✓
5	19T51T0005	Chappa Ramya	✓	✓	✓	✓	✓	✓
6	19T51T0006	Cherukuri Tanuja Lakshmi	✓	✓	✓	✓	✓	✓
7	19T51T0007	Chitiki Reddi Bhagyasri	✓	✓	✓	✓	A	✓
8	19T51T0008	Doll Glenda Annette	✓	✓	✓	✓	✓	✓
9	19T51T0009	Karukola Anusha	✓	✓	✓	✓	A	✓
10	19T51T0010	Kosuru Chandini	✓	✓	A	✓	✓	✓
11	19T51T0011	Margana Gasruthi	✓	✓	✓	✓	✓	A
12	19T51T0012	Ushasri Kanumula	✓	A	✓	✓	✓	✓
13	19T51T0013	Pathivada Divya	✓	✓	✓	✓	✓	B
14	19T51T0014	Pentakota Prasanna	✓	A	✓	✓	✓	✓
15	19T51T0015	Anwesh Deep Padhy	✓	✓	✓	✓	A	✓
16	19T51T0016	Rupiti Harshavardhini	✓	A	✓	✓	✓	✓
17	19T51T0017	Sonika Shruti Sripathi	✓	✓	✓	✓	✓	✓
18	19T51T0018	Killo Ramakrishna	✓	✓	✓	✓	✓	✓
19	19T51T0019	SripadaVenkata Sri Alekhya	✓	A	✓	✓	✓	✓

Avanthi Institute of Pharmaceutical Sciences




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES


(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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


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

20	19T51T0020	Tentu Sharmila	✓	✓	✓	✓	✓	✓
21	19T51T0021	Vaddadi Madhuri Smith	✓	✓	✓	✓	✓	✓
22	19T51T0022	Vanapalli Sandhya Rani	A	A	A	A	A	A
23	19T51T0023	Vantaku Syam Kumar	✓	✓	✓	✓	✓	✓
24	19T51T0024	Pilla Sai Sushmitha	✓	✓	✓	A	✓	A
25	19T51T0027	Karrothu Syamala	A	A	A	A	A	A


Course Coordinator


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




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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

ESTD : 2005

Date : 21-11-2022 to 26-11-2022

No. of Students Enrolled : 25

Subject : "Immunotherapy in oncology"

III Pharm.D

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	19T51T0001	Alajingi Susmita	36	100%
2	19T51T0002	Boddepalli Rakesh	30	83%
3	19T51T0003	Boni Tabitha Smily	30	83%
4	19T51T0004	Chadaram Pragnatha	36	100%
5	19T51T0005	Chappa Ramya	36	100%
6	19T51T0006	Cherukuri Tanuja Lakshmi	36	100%
7	19T51T0007	Chitiki Reddi Bhagyasri	30	83%
8	19T51T0008	Doll Glenda Annette	36	100%
9	19T51T0009	Karukola Anusha	30	83%
10	19T51T0010	Kosuru Chandini	30	83%
11	19T51T0011	Margana Gasruthi	30	83%
12	19T51T0012	Ushasri Kanumula	30	83%
13	19T51T0013	Pathivada Divya	30	83%
14	19T51T0014	Pentakota Prasanna	30	83%
15	19T51T0015	Anwesh Deep Padhy	30	83%
16	19T51T0016	Rupiti Harshavardhini	30	83%
17	19T51T0017	Sonika Shruti Sripathi	36	100%
18	19T51T0018	Killo Ramakrishna	36	100%



PRINCIPAL

Avanathi Institute of Pharmaceutical Sciences

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chittivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) -531162.

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

19	19T51T0019	Sripada Venkata Sri Alekhya	30	83%
20	19T51T0020	Tentu Sharmila	36	100%
21	19T51T0021	Vaddadi Madhuri Smith	36	100%
22	19T51T0022	Vanapalli Sandhya Rani	0	0%
23	19T51T0023	Vantaku Syam Kumar	30	100%
24	19T51T0024	Pilla Sai Sushmitha	24	66%
25	19T51T0027	Karrothu Syamala	0	0%


Course Coordinator


HOD

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




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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

ANWESH DEEP PADHY

Bearing roll, no **19T51T0015** pursuing **III Pharm D** has successfully completed value added course on
"IMMUNOTHERAPY IN ONCOLOGY"
held from 21-11-2022 to 26-11-2022 .

V. UmaSankar

Convener



[Signature]

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

RUPJJI HARSHAVARDHJNJ

Bearing roll, no 19T51T0016 pursuing III Pharm D has successfully completed value added course on
"IMMUNOTHERAPY IN ONCOLOGY"
held from 21-11-2022 to 26-11-2022 .

V. Uma Sankar

Convener



[Signature]

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



AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)
Cherukupally (Village), Chintivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) - 531162.
Cherukupally (Village), Chintivalasa (SO), Bhogapuram (Mandal), Vizianagaram (Dist) - 531162.
www.avanthipharma.ac.in, principal@avanthipharma.ac.in

CERTIFICATE OF COMPLETION

This is presented to:

VANTAKU SYAM KUMAR

Bearing roll, no 19T51T0023 pursuing III Pharm D has successfully completed value added course on
"IMMUNOTHERAPY IN ONCOLOGY"
held from 21-11-2022 to 26-11-2022.

V. UmaSankar

Convener



JK

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



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

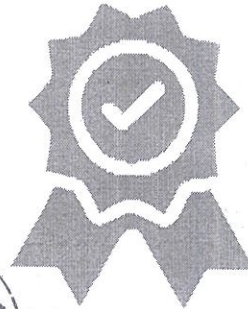
This is presented to:

PJLLA SAJ SUSHMJTHA

Bearing roll, no **19T51T0024** pursuing **III Pharm D** has successfully completed value added course on
“IMMUNOTHERAPY IN ONCOLOGY”
held from 21-11-2022 to 26-11-2022 .

V. Unnikrishnan

Convener



[Signature]

PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162



ESTD : 2005

AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

(Approved by A.I.C.T.E, PCI, New Delhi, Recognized by the Govt. of A.P. & Affiliated to JNTUK, Kakinada)

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

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

CERTIFICATE OF COMPLETION

This is presented to:

KARROTHU SYAMALA

Bearing roll, no 19T51T0027 pursuing III Pharm D has successfully completed value added course on
"IMMUNOTHERAPY IN ONCOLOGY"
held from 21-11-2022 to 26-11-2022 .

V. Suryankar

Convener



[Signature]

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