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- 1.2.2: Number of add on / certificate programs offered during academic year: 2018 2019.
- 1.2.2: Number of students enrolled in certificate / add on programs as against the total number of students during the year: 2018- 2019.

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#### DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2018-19/01

Date: 25-06-2018

#### **CIRCULAR**

This is to inform all the students of IV B. Pharmacy that a value-added course will be conducted on the topic "Innovations in Drug Delivery Systems" from 02/07/2018 to 07/07/2018 interested students are required to sign-up for the above mentioned course with "Mrs. B. SRAVANI" Assistant Professor in the Department of Pharmacy.

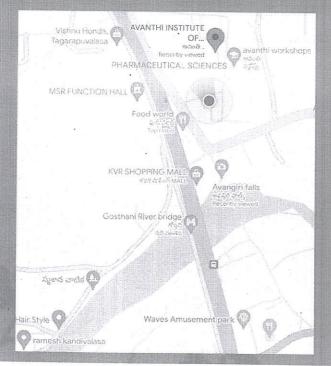


Principal

#### 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 & BHIL

### 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. Sravani Boyapati, Associate Professor,

Vijaya College of Pharmacy

### **Organizing Committee**

V. H. S. Reddy, Assistant Professor K. Venkata Radhika, Assistant Professor

K. Bhargav Krishna Raju, Assistant Professor

#### **Members**

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

6 Days Workshop On

# **Innovations in Drug Delivery System**

02/07/2018-07/07/2018

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 WANDAL), VIZIANAGARAM

Avanthi Institute of Pharmaceutical Sciences in

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Course Title

: Innovations in Drug Delivery Systems

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-2019

Course Instructor

: Mrs. B. Sravani, Associate Professor, Vijaya

Institute of Pharmaceutical Sciences,

Enikepadu, Vijayawada

Course Coordinator

: Mrs. M. Madhavi Kumari, Associate Professor

Dates

: 27-08-2018 to 01-09-2018

Duration

: 36 hours

Time

: 9:30AM to 4:20PM

Course code

: VAC/B. Pharm/2018/ O

#### **Objectives:**

- Improved Therapeutic Efficacy
- Reduced Side Effects
- Enhanced Patient Compliance
- Controlled Drug Release
- Increased Stability of Pharmaceuticals
- Personalized Medicine
- Overcoming Biological Barriers
- Innovative Formulations
- Combination Therapy
- Reduced Healthcare Costs

#### Out comes:

- Targeted Drug Delivery
- Improved Pharmacokinetics
- Enhanced Bioavailability
- Extended Release Profiles
- Better Patient Adherence
- Reduced Toxicity
- Increased Drug Stability
- Advanced Formulations
- Personalized Treatment Approaches
- Innovations in Nanomedicine
- Therapeutic Advancements

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#### **Syllabus**

#### 1. Introduction to Drug Delivery Systems

- Overview of drug delivery systems
- Importance of drug delivery in healthcare
- Historical perspective and evolution
- Challenges in conventional drug delivery

#### 2. Routes of Drug Administration

- Oral drug delivery: challenges and solutions
- Injectable drug delivery: parenteral routes
- Topical and transdermal drug delivery
- Pulmonary and nasal drug delivery

#### 3. Advanced Formulations

- Liposomes, micelles, and nanoparticles
- Polymeric drug delivery systems
- Hydrogels and implants
- Colloidal drug carriers

#### 4. Targeted Drug Delivery

- Principles of targeted drug delivery
- Ligand-receptor interactions
- Passive and active targeting strategies
- Examples of targeted drug delivery systems

#### 5. Controlled Release Systems

- Sustained, extended, and pulsatile release
- Mechanisms of controlled release
- Design of controlled release formulations
- Case studies in controlled release

#### 6. Personalized Medicine and Pharmacogenomics

- Overview of personalized medicine
- Role of genetics in drug response
- Individualized drug delivery approaches

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Challenges and ethical considerations

Course Coordinator

Avanthi Institute of Pharmaceutical Sciences

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#### **TIMETABLE**

**CLASS: IV B. PHARMACY** 

DAY/TIME	9:30- 11:10	11:10- 11:20	11:20 -12:00	12:10 -1:00	1:00- 1:50	1:50- 2:40	2:40 - 2.50	2:50 - 3:30	3:30 - 4:20.
MON	ıry		Ty		ľy	ty		ľy	ty
TUE	Delivery		Delivery		Delive	Delivery		Delivery	Delive
WED	s in Drug Systems	Break	Drug	Lunch	s in Drug Delivery Systems	s in Drug Systems	Break	Drug	s in Drug Systems
THU	ons in Syst	Bre	ons in Syst	Lui	ons in Syst	ons in Syst	Br	ons in Syst	ons in Syst
FRI	Innovations		Innovations		Innovations S:	Innovations		Innovations	Innovations in Drug Delivery Systems
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Course Coordinator

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Reference Book: "Drug Delivery: Fundamentals and Applications" by Anya M. Hillery et al.

S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
1.		27-08-2018	6hrs	<ul> <li>1. Introduction to Drug Delivery Systems</li> <li>Overview of drug delivery systems</li> <li>Importance of drug delivery in healthcare</li> <li>Historical perspective and evolution</li> <li>Challenges in conventional drug delivery</li> </ul>
2.		28-08-2018	6hrs	<ul> <li>2. Routes of Drug Administration</li> <li>Oral drug delivery: challenges and solutions</li> <li>Injectable drug delivery: parenteral routes</li> <li>Topical and transdermal drug delivery</li> <li>Pulmonary and nasal drug delivery</li> </ul>
3.	Week-1	29-08-2018	6hrs	<ul> <li>3. Advanced Formulations</li> <li>Liposomes, micelles, and nanoparticles</li> <li>Polymeric drug delivery systems</li> <li>Hydrogels and implants</li> <li>Colloidal drug carriers</li> </ul>
4.		30-08-2018	6hrs	<ul> <li>4. Targeted Drug Delivery</li> <li>Principles of targeted drug delivery</li> <li>Ligand-receptor interactions</li> <li>Passive and active targeting strategies</li> <li>Examples of targeted drug delivery systems</li> </ul>

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5.	31-08-2018	6hrs	<ul> <li>5. Controlled Release Systems</li> <li>Sustained, extended, and pulsatile release</li> <li>Mechanisms of controlled release</li> <li>Design of controlled release formulations</li> <li>Case studies in controlled release</li> </ul>
6.	01-09-2018	6hrs	<ul> <li>6. Personalized Medicine and Pharmacogenomics</li> <li>Overview of personalized medicine</li> <li>Role of genetics in drug response</li> <li>Individualized drug delivery approaches</li> <li>Challenges and ethical considerations</li> </ul>

**Course Coordinator** 

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#### Assessment:

#### 1. What is the primary purpose of drug delivery systems?

- a. To increase drug production efficiency
- b. To enhance drug safety during manufacturing
- c. To improve drug effectiveness and patient compliance
- d. To reduce the cost of pharmaceuticals

#### 2. Which of the following is an example of a targeted drug delivery system?

- a. Intravenous injection
- b. Oral tablets
- c. Transdermal patch
- d. Liposomes

#### 3. What is the advantage of using nanoparticles in drug delivery?

- a. Increased drug stability
- b. Prolonged drug release
- c. Enhanced drug solubility
- d. All of the above

## 4. Which route of drug administration bypasses the first-pass metabolism and is often used for sustained-release formulations?

- a. Intravenous
- b. Oral
- c. Subcutaneous
- d. Transdermal

#### 5. Inhaled drug delivery systems are commonly used for the treatment of:

- a. Cardiovascular diseases
- b. Central nervous system disorders
- c. Respiratory conditions
- d. Gastrointestinal disorders

#### 6. What is a key advantage of using implantable drug delivery systems?

- a. Rapid drug absorption
- b. Convenient patient self-administration
- c. Prolonged drug release with localized effects
- d. Cost-effectiveness

# 7. Which type of drug delivery system is designed to release a drug at a constant rate over an extended period?

- a. Immediate-release
- b. Sustained-release
- c. Delayed-release
- d. Targeted-release

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- 8. What role do microneedle patches play in drug delivery?
  - a. Rapid drug infusion
  - b. Transdermal drug delivery
  - c. Oral drug administration
  - d. Ocular drug delivery
- 9. What is the purpose of using liposomes in drug delivery?
  - a. Enhancing drug stability
  - b. Targeting specific cells or tissues
  - c. Improving drug taste
  - d. Accelerating drug dissolution
- 10. Which technology allows for the controlled release of drugs based on external stimuli such as temperature or light?
  - a. Magnetic drug targeting
  - b. Electrostatic drug delivery
  - c. Stimuli-responsive drug delivery

d. Osmotic drug delivery

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Date

: 27-08-2018 to 01-09-2018

No. of Students Enrolled

: 67

Subject

: Innovations in Drug Delivery Systems

IV B. Pharmacy

S. No	Roll No.	Student Name
1	15T51R0001	Adhikari Jyothsna
2	15T51R0002	Allada Thabitha Supriya
3	15T51R0003	Allavarapu Divya
4	15T51R0004	Animireddy Bhavani
5	15T51R0005	Annimireddy Yamuna
6	15T51R0006	Arangi Saranya
7	15T51R0007	Balaga Madhu
8	15T51R0008	Bandapu Anusha
9	15T51R0010	Batta Divya
10	15T51R0012	Bennabathula Venkata Santosh Pavan
11	15T51R0013	Betha Kavya Sree
12	15T51R0014	Bogapurapu Gayatri
13	15T51R0015	Boni Siva Satyanarayana
14	15T51R0016	Botsa Vasavi
15	15T51R0017	Bukkuru Sravani
16	15T51R0018	Chalumuri Indraja Vaishnavi
17	15T51R0019	Chelli Bhagya Lakshmi
18	15T51R0020	Chukka Chandrakala

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19	15T51R0021	Danda Rambabu
20	15T51R0022	Emandi Jyothsnapriya
21	15T51R0023	Gantana Chandra Mouli
22	15T51R0024	Gollapalli Neelima Alekhya
23	15T51R0025	GolluVamsi Krishna
24	15T51R0027	Gonna Pavani Sirisha Jyothirmayi
25	15T51R0028	Gopi Bindu Madhavi
26	15T51R0029	Gorle Monika
27	15T51R0030	Gorli Kumari
28	15T51R0031	Kalukuri Sandhyarani
29	15T51R0032	Kammakattu Ashlesha
30	15T51R0033	Kandi Dharani Kranthi
31	15T51R0034	Karri Indraveni
32	15T51R0035	Kedarisetti Sahithi Sampadha
33	15T51R0036	Killi Sailaja
34	15T51R0038	Kolli Bhanu Kumari
35	15T51R0039	Kona Sandya
36	15T51R0040	Korabu Maithili
37	15T51R0041	Korubilli Nandini
38	15T51R0042	Kundrapu Shanmuka Naidu
39	15T51R0043	M Srilatha
40	15T51R0045	Maithreye Savirigana
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41	15T51R0046	Malleti Chakravarthy
42	15T51R0047	Mamidisetti Gayatridevi
43	15T51R0048	Mathe Divya Vani
44	15T51R0049	Nimmaka Soniyapriyanka
45	15T51R0050	Nagothi Harika
46	15T51R0051	Nalamalapu Madhu Kiran Reddy
47	15T51R0052	Sridhar Papineni
48	15T51R0053	Pallanti Venkata Lakshmi lavanya durga bhavani
49	15T51R0054	PathivadaVanita
50	15T51R0055	Pilli Pushpanjali
51	15T51R0056	Pilli Raju
52	15T51R0058	Pragada Vinay
53	15T51R0059	Pranitha Panda
54	15T51R0060	Ramagoni Deepthi Maheshwari
55	15T51R0061	Regidi Vamsi
56	15T51R0063	Sabbavarapu Anuradha
57	15T51R0064	Sandeep Siddana
58	15T51R0065	Saride Krishna Shambhavi
59	15T51R0066	Seerapu Mounika
60	15T51R0067	Shaik Taslim
61	15T51R0068	Sontena Sreelekha
62	15T51R0069	Thatipudi Bhargavi

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63	15T51R0070	Usetti Vasanthi
64	15T51R0073	Vittat Navya
65	15T51R0074	Vuppluri Likitha
66	15T51R0075	Yedla Swathi
67	15T51R0076	Yendradla Hiranmai

Course Coordinator

N. Weeline HOD

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The students of 4<sup>th</sup> year B. Pharmacy certificate program attending "INNOVATIONS IN DRUG DELIVERY SYSTEMS" by Mrs. B. Sravani, Associate Professor, Vijaya Institute of Pharmaceutical Sciences, Enikepadu, Vijayawada.

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Date

: 27-08-2018 to 01-09-2018

Subject

:Innovations in Drug Delivery Systems

IV B. Pharmacy

S. No	Roll No.	Student Name	27/08/18	28/08/18	29/08/18	30/08/18	31/08/18	01/09/18
1	15T51R0001	Adhikari Jyothsna	A	A	A			A
2	15T51R0002	Allada Thabitha Supriya			/	V	A	/
3	15T51R0003	Allavarapu Divya			V	V		<b>/</b>
4	15T51R0004	Animireddy Bhavani	· /	~	/	V	/	/
5	15T51R0005	Annimireddy Yamuna	~	~	/	/		A
6	15T51R0006	Arangi Saranya	<b>/</b>	~	<b>V</b>	/	/	~
7	15T51R0007	Balaga Madhu	V	~	/	A		V
8	15T51R0008	Bandapu Anusha	/	A	2/	V	V	/
9	15T51R0010	Batta Divya	/	<b>/</b>	/	V	/	/
10	15T51R0012	Bennabathula Venkata Santosh Pavan	✓	<u> </u>	<b>\</b>	<b>/</b>	~	<b>/</b>
11	15T51R0013	Betha Kavya Sree	A	A	A	A	A	A
12	15T51R0014	Bogapurapu Gayatri	V	/	V			V
13	15T51R0015	Boni Siva Satyanarayana	/	$\checkmark$	<b>\</b>	V		$\vee$
14	15T51R0016	Botsa Vasavi	~	~		/		V
15	15T51R0017	Bukkuru Sravani	~	$\checkmark$	✓	/		V
16	15T51R0018	Chalumuri Indraja Vaishnavi	<b>V</b>	$\checkmark$	A	<b>/</b>		V
17	15T51R0019	Chelli Bhagya Lakshmi	✓		<b>V</b>	V		$\sqrt{}$
18	15T51R0020	Chukka Chandrakala	V	✓	<b>V</b>	/	V	V
19	15T51R0021	Danda Rambabu	/	V	V	A	/	V

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20 1	15T51R0022	Emandi Jyothsnapriya	$\checkmark$	<b>/</b>	~	/		/
21 1	15T51R0023	Gantana Chandra Mouli	~	A	~		A	V
22 1	15T51R0024	Gollapalli Neelima Alekhya		~	<b>/</b>	V	V	~
23 1	15T51R0025	GolluVamsi Krishna	<b>~</b>		V	A	~	~
24 1	15T51R0027	Gonna Pavani Sirisha Jyothirmayi	$\checkmark$	V	/	V	/	V
25 1	15T51R0028	Gopi Bindu Madhavi		/				V
26 1	5T51R0029	Gorle Monika			/	V		V
27 1	5T51R0030	Gorli Kumari	<b>V</b>	/			V	
28 1	5T51R0031	Kalukuri Sandhyarani	/	A	<b>\</b>			V
29 1	5T51R0032	Kammakattu Ashlesha	/	/	~		1	A
30 1	5T51R0033	Kandi Dharani Kranthi	/	<b>/</b>	/	$\triangle$	/	<b>/</b>
31 1.	5T51R0034	Karri Indraveni	/	/	/	/		V
32 1:	5T51R0035	Kedarisetti Sahithi Sampadha	A	<b>/</b>	<b>√</b> ,			V,
33 1:	5T51R0036	Killi Sailaja	<b>\</b>	<b>~</b>	A	/		V
34 1:	5T51R0038	Kolli Bhanu Kumari	<b>/</b>	<b>/</b>	<b>/</b>		/	V
35 1:	5T51R0039	Kona Sandya	~	/		/	~	<b>V</b>
36 15	5T51R0040	Korabu Maithili		A	**** <b>/</b>	<i></i>	/	/
37 15	5T51R0041	Korubilli Nandini	V	V	V	/	V	V
38 15	5T51R0042	Kundrapu Shanmuka Naidu	/	<b>\</b>	/	V	A	V
39 15	5T51R0043	M Srilatha	A	/	<b>✓</b>	/	/	$\checkmark$
40 15	5T51R0045	Maithreye Savirigana	· /	/	A	✓	V	V
41 15	5T51R0046	Malleti Chakravarthy	V	V	V		/	V

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42	15T51R0047	Mamidisetti Gayatridevi		V	/	A	/	~
43	15T51R0048	Mathe Divya Vani	A	A				~
44	15T51R0049	Nimmaka Soniyapriyanka		<b>V</b>	/			/
45	15T51R0050	Nagothi Harika	V	~	V	V		V
46	15T51R0051	Nalamalapu Madhu Kiran Reddy	A	V	~	V	A	/
47	15T51R0052	Sridhar Papineni	V	~	A			~
48	15T51R0053	Pallanti Venkata Lakshmi lavanya durga bhavani	~	~	/	/		~
49	15T51R0054	PathivadaVanita	A	~	~			V
50	15T51R0055	Pilli Pushpanjali	~	~	~	V		A
51	15T51R0056	Pilli Raju	A	A	0	<b>A</b>	A	A-
52	15T51R0058	Pragada Vinay	<b>\</b>	4	V	V	V	~
53	15T51R0059	Pranitha Panda	V	~	V	/	V	~
54	15T51R0060	Ramagoni Deepthi Maheshwari	/	<b>/</b>	V		V	~
55	15T51R0061	Regidi Vamsi	V	~	~		V	./
56	15T51R0063	Sabbavarapu Anuradha	✓	V		/	V	V
57	15T51R0064	Sandeep Siddana	~	A	V			V
58	15T51R0065	Saride Krishna Shambhavi	~	· V	· V	/	V	V
59	15T51R0066	Seerapu Mounika	/	V	V		V	V
60	15T51R0067	Shaik Taslim	V	A	V	A	/	V
61	15T51R0068	Sontena Sreelekha	/	$\checkmark$	/	~	V	$\nu$
62	15T51R0069	Thatipudi Bhargavi	V	~	~	/	/	V
63	15T51R0070	Usetti Vasanthi		A	✓	~	A	V

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64	15T51R0073	Vittat Navya	~	~	~	A	A	A
65	15T51R0074	Vuppluri Likitha	~	A	~	/	~	~
66	15T51R0075	Yedla Swathi	/	~	~	A		~
67	15T51R0076	Yendradla Hiranmai	A	~	V		/	V

Machine Course Coordinator

N. Weelina.

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Bhogapuram (M), Vizianagaram Dist



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Date

: 27-08-2018 to 01-09-2018

No. of Students Enrolled

: 67

Subject

: Innovations in Drug Delivery Systems

IV B. Pharmacy

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	15T51R0001	Adhikari Jyothsna	12	33%
2	15T51R0002	Allada Thabitha Supriya	30	83%
3	15T51R0003	Allavarapu Divya	36	100%
4	15T51R0004	Animireddy Bhavani	36	100%
5	15T51R0005	Annimireddy Yamuna	30	83%
6	15T51R0006	Arangi Saranya	36	100%
7	15T51R0007	Balaga Madhu	30	83%
8	15T51R0008	Bandapu Anusha	30	83%
9	15T51R0010	Batta Divya	36	100%
10	15T51R0012	Bennabathula Venkata Santosh Pavan	36	100%
11	15T51R0013	Betha Kavya Sree	nil	0%
12	15T51R0014	Bogapurapu Gayatri	36	100%
13	15T51R0015	Boni Siva Satyanarayana	36	100%
14	15T51R0016	Botsa Vasavi	36	100%
15	15T51R0017	Bukkuru Sravani	26	100%
16	15T51R0018	Chalumuri Indraja Vaishnavi	30	83%
17	15T51R0019	Chelli Bhagya Lakshmi	36	100%

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19         15T51R0021         Danda Rambabu         30         83°           20         15T51R0022         Emandi Jyothsnapriya         36         167°           21         15T51R0023         Gantana Chandra Mouli         30         83°           22         15T51R0024         Gollapalli Neelima Alekhya         36         167°           23         15T51R0025         GolluVamsi Krishna         30         83°           24         15T51R0027         Gonna Pavani Sirisha Jyothirmayi         36         167°           25         15T51R0028         Gopi Bindu Madhavi         36         167°           26         15T51R0029         Gorle Monika         3c         167°           27         15T51R0030         Gorli Kumari         30         83°           28         15T51R0031         Kalukuri Sandhyarani         30         83°           29         15T51R0032         Kammakattu Ashlesha         30         83°           30         15T51R0033         Kandi Dharani Kranthi         3c         83°           31         15T51R0034         Karri Indraveni         3c         10°           32         15T51R0035         Kedarisetti Sahithi Sampadha         3c         83°					
20	18	15T51R0020	Chukka Chandrakala	36	100%
21	19	15T51R0021	Danda Rambabu	30	83%
22   15T51R0024   Gollapalli Neelima Alekhya   36   100	20	15T51R0022	Emandi Jyothsnapriya	36	100%
23       15T51R0025       GolluVamsi Krishna       30       83°         24       15T51R0027       Gonna Pavani Sirisha Jyothirmayi       36       16°         25       15T51R0028       Gopi Bindu Madhavi       36       16°         26       15T51R0029       Gorle Monika       3c       16°         27       15T51R0030       Gorli Kumari       30       83°         28       15T51R0031       Kalukuri Sandhyarani       30       83°         29       15T51R0032       Kammakattu Ashlesha       30       83°         30       15T51R0033       Kandi Dharani Kranthi       30       83°         31       15T51R0034       Karri Indraveni       36       10°         32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83°         33       15T51R0036       Killi Sailaja       30       83°         34       15T51R0038       Kolli Bhanu Kumari       36       10°	21	15T51R0023	Gantana Chandra Mouli	30	83%
24       15T51R0027       Gonna Pavani Sirisha Jyothirmayi       36       1600         25       15T51R0028       Gopi Bindu Madhavi       36       1600         26       15T51R0029       Gorle Monika       30       1600         27       15T51R0030       Gorli Kumari       30       830         28       15T51R0031       Kalukuri Sandhyarani       30       830         29       15T51R0032       Kammakattu Ashlesha       30       830         30       15T51R0033       Kandi Dharani Kranthi       30       83         31       15T51R0034       Karri Indraveni       36       100         32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83%         33       15T51R0036       Killi Sailaja       30       83%         34       15T51R0038       Kolli Bhanu Kumari       36       1000	22	15T51R0024	Gollapalli Neelima Alekhya	36	100%
25   15T51R0028   Gopi Bindu Madhavi   36   100°     26	23	15T51R0025	GolluVamsi Krishna	30	83%
26       15T51R0029       Gorle Monika       3C       160%         27       15T51R0030       Gorli Kumari       30       83%         28       15T51R0031       Kalukuri Sandhyarani       30       83%         29       15T51R0032       Kammakattu Ashlesha       30       83%         30       15T51R0033       Kandi Dharani Kranthi       30       83%         31       15T51R0034       Karri Indraveni       36       100         32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83%         33       15T51R0036       Killi Sailaja       30       83%         34       15T51R0038       Kolli Bhanu Kumari       36       100%	24	15T51R0027	Gonna Pavani Sirisha Jyothirmayi	36	100%
27       15T51R0030       Gorli Kumari       30       83%         28       15T51R0031       Kalukuri Sandhyarani       30       83%         29       15T51R0032       Kammakattu Ashlesha       30       83%         30       15T51R0033       Kandi Dharani Kranthi       30       83%         31       15T51R0034       Karri Indraveni       36       100         32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83%         33       15T51R0036       Killi Sailaja       30       83%         34       15T51R0038       Kolli Bhanu Kumari       36       10%	25	15T51R0028	Gopi Bindu Madhavi	36	100%
28       15T51R0031       Kalukuri Sandhyarani       30       83°         29       15T51R0032       Kammakattu Ashlesha       30       83°         30       15T51R0033       Kandi Dharani Kranthi       30       83°         31       15T51R0034       Karri Indraveni       36       100°         32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83°         33       15T51R0036       Killi Sailaja       30       83°         34       15T51R0038       Kolli Bhanu Kumari       36       100°	26	15T51R0029	Gorle Monika	30	100%
29       15T51R0032       Kammakattu Ashlesha       30       83°         30       15T51R0033       Kandi Dharani Kranthi       30       83°         31       15T51R0034       Karri Indraveni       36       160°         32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83°         33       15T51R0036       Killi Sailaja       30       83°         34       15T51R0038       Kolli Bhanu Kumari       36       100°	27	15T51R0030	Gorli Kumari	30	83%
30       15T51R0033       Kandi Dharani Kranthi       30       83         31       15T51R0034       Karri Indraveni       36       160         32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83%         33       15T51R0036       Killi Sailaja       30       83%         34       15T51R0038       Kolli Bhanu Kumari       36       100%	28	15T51R0031	Kalukuri Sandhyarani	30	83%
31       15T51R0034       Karri Indraveni       36       160         32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83°         33       15T51R0036       Killi Sailaja       30       83°         34       15T51R0038       Kolli Bhanu Kumari       36       100°	29	15T51R0032	Kammakattu Ashlesha	30	83%
32       15T51R0035       Kedarisetti Sahithi Sampadha       30       83°         33       15T51R0036       Killi Sailaja       30       83°         34       15T51R0038       Kolli Bhanu Kumari       36       100°	30	15T51R0033	Kandi Dharani Kranthi	30	83%
33 15T51R0036 Killi Sailaja 30 837.  34 15T51R0038 Kolli Bhanu Kumari 36 1006	31	15T51R0034	Karri Indraveni	36	100%
34 15T51R0038 Kolli Bhanu Kumari 36 1006	32	15T51R0035	Kedarisetti Sahithi Sampadha	30	83%
389 106	33	15T51R0036	Killi Sailaja	30	83%
35 15T51R0039 Kona Sandya 3G 15T5	34	15T51R0038	Kolli Bhanu Kumari	38	100%
	35	15T51R0039	Kona Sandya	36	100%
36 15T51R0040 Korabu Maithili 30 83%	36	15T51R0040	Korabu Maithili	30	83%
37 15T51R0041 Korubilli Nandini 3G 1000	37	15T51R0041	Korubilli Nandini	36	100%
38 15T51R0042 Kundrapu Shanmuka Naidu 30 837	38	15T51R0042	Kundrapu Shanmuka Naidu	30	83%
39 15T51R0043 M Srilatha 30 837	39	15T51R0043	M Srilatha	30	83%

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40	15T51R0045	Maithreye Savirigana	30	83%
41	15T51R0046	Malleti Chakravarthy	36	100%
42	15T51R0047	Mamidisetti Gayatridevi	30	83%
43	15T51R0048	Mathe Divya Vani	24	66%
44	15T51R0049	Nimmaka Soniyapriyanka	36	100%
45	15T51R0050	Nagothi Harika	36	100%
46	15T51R0051	Nalamalapu Madhu Kiran Reddy	24	66%
47	15T51R0052	Sridhar Papineni	30	83%
48	15T51R0053	Pallanti Venkata Lakshmi lavanya durga bhavani	36	100%
49	15T51R0054	PathivadaVanita	30	83%
50	15T51R0055	Pilli Pushpanjali	30	83%
51	15T51R0056	Pilli Raju	120	0%
52	15T51R0058	Pragada Vinay	36	100%
53	15T51R0059	Pranitha Panda	36	100%
54	15T51R0060	Ramagoni Deepthi Maheshwari	36	100%
55	15T51R0061	Regidi Vamsi	36	100%
56	15T51R0063	Sabbavarapu Anuradha	36	100%
57	15T51R0064	Sandeep Siddana	30	83%
58	15T51R0065	Saride Krishna Shambhavi	36	100°/
59	15T51R0066	Seerapu Mounika	36	100%
60	15T51R0067	Shaik Taslim	24	66%
61	15T51R0068	Sontena Sreelekha	36	100%

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62	15T51R0069	Thatipudi Bhargavi	36	100%
63	15T51R0070	Usetti Vasanthi	24	66%
64	15T51R0073	Vittat Navya	18	50%
65	15T51R0074	Vuppluri Likitha	30	83%
66	15T51R0075	Yedla Swathi	30	83%
67	15T51R0076	Yendradla Hiranmai	30	83%

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**Course Coordinator** 

N. Neelina HOD

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Allavarapu Divya

Bearing roll no. 15T51R0003 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

V. Uma Sankar

Convener





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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Animireddy Bhavani

Bearing roll no. 15T51R0004 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Chalumuri Indraja Vaishnavi

Bearing roll no. 15T51R0018 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Chelli Bhagya Lakshmi

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Chukka Chandrakala

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Danda Rambabu

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THE FOLLOWING CERTIFICATE IS GIVEN TO Emandi Jyothsna priya

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Gantana Chandra Mouli

Bearing roll no. 15T51R0023 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Korubilli Nandini

Bearing roll no. 15T51R0041 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Kundrapu Shanmuka Naidu

Bearing roll no. 15T51R0042 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO M Srilatha

Bearing roll no. 15T51R0043 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Maithreye Savirigana

Bearing roll no. 15T51R0045 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

V. Uma Sankar

Convener





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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Mathe Divya Vani

Bearing roll no. 15T51R0048 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Nimmaka Soniyapriyanka

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V. Ilma Sankar

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Nagothi Harika

Bearing roll no. 15T51R0050 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Yedla Swathi

Bearing roll no. 15T51R0075 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Yendradla Hiranmai

Bearing roll no. 15T51R0076 pursuing **IV B Pharmacy** has successfully completed Value added Course on "INNOVATIONS IN DRUG DELIVERY SYSTEMS" held from 02-07-2018 to 07-07-2018.

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#### DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2018-19/02

Date: 02-07-2018

#### **CIRCULAR**

This is to inform all the students of II B. Pharmacy that a value-added course will be conducted on the topic "Executive Biological Pathways" from 09/07/2018 to 14/07/2018 Interested students are required to sign-up for the above mentioned course with "MR. M. RAJESWAR RAO" Assistant Professor in the Department of Pharmacy.

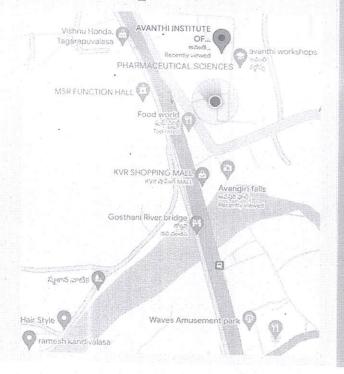
Principal



#### 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

Mr. M. Rajeswara Rao, Assistant Professor,

Avanthi Institute of Pharmaceutical Sciences.



#### **Organizing Committee**

I. Adi Lakshmi, Assistant Professor K. Venkata Radhika, Assistant Professor

B. Meher Jyothi, Assistant Professor

#### Members

All the faculty from the department of Pharmace dical Sciences of the host institute

6 Days Workshop On

## Executive Biological Pathways

09/07/2018 - 14/07/2018

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,
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Course Title

: Executive Biological Pathways

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-19

Course Instructor

: Mr. M. Rajeshwar Rao, Assistant Professor

Course Coordinator

: Mrs. B. Bhagya Sri, Asssistant Professor

Dates

: 09-07-2018 to 14-07-2018

Duration

: 36 hours

Time

:9:30AM to 4:20PM

Course code

: VAC/BPharm/2018/02

#### **Objectives:**

- Comprehensive Understanding
- Integration of Knowledge
- Clinical Relevance
- Emerging Technologies
- Critical Analysis
- Strategic Decision-Making
- Interdisciplinary Collaboration
- Innovation and Problem-Solving

#### Out comes:

- Advanced Knowledge
- Application in Research and Development
- Improved Decision-Making
- Enhanced Collaboration Skills
- Publication and Communication
- Informed Leadership
- Strategic Innovation
- Ethical Considerations

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#### Syllabus

#### 1. Introduction to Biological Pathways

- Overview of key biological pathways.
- Significance in cellular functions and regulation.

#### 2. Molecular Components of Biological Pathways

- Understanding genes, proteins, and signaling molecules.
- Molecular mechanisms governing pathway activation and inhibition.

#### 3. Cellular Signaling Pathways

- Intracellular and intercellular communication.
- Signal transduction and pathway crosstalk.

#### 4. Biological Pathways in Health and Disease

- Role of pathways in normal physiology.
- Dysregulation leading to diseases.

#### 5. Therapeutic Manipulation of Pathways

- Targeting pathways for drug development.
- Challenges and opportunities in therapeutic interventions.

#### 6. Strategic Decision-Making

- Integration of pathway knowledge in strategic planning.
- Case studies on successful application in industry.

N. Weeline

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#### TIMETABLE

**CLASS: IIB. PHARMACY** 

ESTD : 2005

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	-					_			
TUE	Biological ways		Biological <i>w</i> ays		gica	gica		gica	gica
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**Course Coordinator** 

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Reference Book: "Biochemistry" by U. Satyanarayana

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S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
1.		09-07-2018	6hrs	<ul> <li>Introduction to Biological Pathways</li> <li>Overview of key biological pathways.</li> <li>Significance in cellular functions and regulation.</li> </ul>
2.		10-07-2018	6hrs	<ul> <li>2. Molecular Components of Biological Pathways</li> <li>Understanding genes, proteins, and signaling molecules.</li> <li>Molecular mechanisms governing pathway activation and inhibition.</li> </ul>
3.		11-07-2018	6hrs	<ul> <li>3. Cellular Signaling Pathways</li> <li>Intracellular and intercellular communication.</li> <li>Signal transduction and pathway crosstalk</li> </ul>
4.	Week-1	12-07-2018	6hrs	<ul> <li>4. Biological Pathways in Health and Disease</li> <li>Role of pathways in normal physiology.</li> <li>Dysregulation leading to diseases.</li> </ul>
5.		13-07-2018	6hrs	<ul> <li>Therapeutic Manipulation of Pathways</li> <li>Targeting pathways for drug development.</li> <li>Challenges and opportunities in therapeutic interventions.</li> </ul>
6.		14-07-2018	6hrs	<ul> <li>6. Strategic Decision-Making</li> <li>Integration of pathway knowledge in strategic planning.</li> <li>Case studies on successful application in industry.</li> </ul>

B. Bloggant Course Coordinator

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#### Assessment:

#### 1. What is the primary focus of Executive Biological Pathways?

- a. Molecular genetics
- b. Advanced understanding of key biological pathways
- c. Clinical trial management
- d. Ecosystem dynamics

#### 2. What is the role of molecular components in biological pathways?

- a. Initiating cellular respiration
- b. Regulating pathway activation and inhibition
- c. Maintaining osmotic balance
- d. Controlling cellular morphology

#### 3. Why is understanding cellular signalling pathways crucial?

- a. They regulate only non-essential cellular functions.
- **b.** They play a role in intercellular communication.
- c. They are exclusive to prokaryotic cells.
- d. They are not involved in disease processes.

#### 4. In the context of Executive Biological Pathways, what does "crosstalk" refer to?

- a. Communication between cells and their environment
- b. Unregulated activation of pathways
- c. Interaction between different biological pathways
- d. Cellular division processes

#### 5. What is dysregulation of biological pathways often associated with?

- a. Enhanced cellular functions
- b. Normal physiological processes
- c. Development of diseases
- d. Improved therapeutic interventions

### 6. What type of challenges might be encountered in targeting pathways for drug development?

- a. Limited application in clinical settings
- b. Lack of ethical considerations
- c. Financial constraints
- d. Drug resistance and side effects

## 7. Why is interdisciplinary collaboration emphasized in the context of Executive Biological Pathways?

- a. It facilitates regulatory compliance.
- b. It fosters innovative solutions.
- c. It minimizes ethical considerations.
- d. It ensures financial stability.
- 8. which cellular component plays a central role in signal transduction within biological pathways?
  - a. Ribosomes
  - b. Mitochondria

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- c. Nucleus
- d. Cell membrane
- 9. What is the term for the process by which cells respond to external signals and adjust their activities accordingly?
  - a. Endocytosis
  - b. Apoptosis
  - c. Signal transduction
  - d. Gene expression
- 10. Why is the dysregulation of the Wantsignalling pathway often implicated in cancer development?
  - a. It promotes cell cycle arrest.
  - **b.** It inhibits angiogenesis.
  - c. It regulates apoptosis.
  - d. It influences cell proliferation and differentiation.

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Course Coordinator

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Date

:09-07-2018 to 14-07-2018

No. of Students Enrolled

: 79

Subject

: Executive Biological Pathways

II B. Pharmacy

S. No	Roll No.	Student Name
1	17T51R0001	Adari Karishma Vara Sai Venkata Laxmi
2	17T51R0002	Addagalla Mohini
3	17T51R0003	Adibhatla Gowri TejaSree
4	17T51R0004	Allu Sudheer
5	17T51R0006	Bavarpu Durga Prasad
6	17T51R0007	Bendalam Laya
7	17T51R0008	Billakurthi Jyothsna
8	17T51R0009	Vudata Rachana
9	17T51R0010	Bonangi Saidevi
10	17T51R0011	Bondu Durgaprasad
11	17T51R0012	Bonila Anitha
12	17T51R0013	Bonu Priyanka
13	17T51R0014	Buddharaju Lekha
14	17T51R0015	Byreddy Samyuktha
15	17T51R0016	Chokkakula Jyothi
16	17T51R0018	Dasari Saibhargavi
17	17T51R0019	Dharmavarapu Abhiram
18	17T51R0020	Duvvana Sreekanth Dora

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19	17T51R0021	Ganivada Geetha shankara Rao
20	17T51R0022	Ganta Chakradhar
21	17T51R0023	Garbhapu Vamsi
22	17T51R0024	Gembali Rohith
23	17T51R0025	Gopisetty Neelima
24	17T51R0026	Gorinta Priyanka
25	17T51R0027	Gorrupotu Dakshayani
26	17T51R0028	Vennela Manohar
27	17T51R0029	Illipilli MadhuriPriya
28	17T51R0030	Jamma Dakshayani
29	17T51R0031	Kaligotla Naga Hima Bindu
30	17T51R0032	Kalisetti Harichandana
31	17T51R0033	Karri Aparna
32	17T51R0034	Kesamsetty V Sai Aparna Lahari Likhita
33	17T51R0035	Kola Srivalli
34	17T51R0036	Kolati Samyuktha
35	17T51R0037	Kuddigana Rahul
36	17T51R0038	Madasi Karthik
37	17T51R0039	Marla Prudhvi Raj
38	17T51R0040	Marthi Arjuna
39	17T51R0041	Matha Sai Lakshmi
40	17T51R0042	Matta Priyanka

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41	17T51R0043	Meka PavanKalyan
42	17T51R0044	MekaVamsika
43	17T51R0046	Migada Durga Devi
44	17T51R0047	Mindi Pavani
45	17T51R0048	Mudadla Pavani
46	17T51R0049	Mulli Sai Kiran
47	17T51R0050	Musinana Reshma
48	17T51R0051	Nagireddi Mounika
49	17T51R0052	Padala Anil
50	17T51R0053	Palaka Madhu
51	17T51R0054	Palli Renuka
52	17T51R0055	Velugula Mounica Sri
53	17T51R0056	Parveen
54	17T51R0057	Pollai Santhosh
55	17T51R0058	Pothala Sai Kumar
56	17T51R0059	Potupureddi Sivakali Bhargavi
57	17T51R0060	Rajana Devi Priyanka
58	17T51R0061	Ratnala Rachana
59	17T51R0062	Ratnala Sharmila
60	17T51R0063	Reddy BhagyaLaxmi
61	17T51R0064	Rongali Vandana
62	17T51R0065	Ruttala Manikatha Swami

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63	17T51R0066	Ruttala Manjusha
64	17T51R0067	Sallapudi Srivalli
65	17T51R0068	Sankurubothu Kedhashritha
66	17T51R0070	Savarapu Yesubabu
67	17T51R0071	Seerapu Esthere Rani
68	17T51R0072	Siddani Sruthi Suvarchala
69	17T51R0073	Sowdiwada Praneetha
70	17T51R0074	Sri Siva Rupa Chikkala
71	17T51R0076	Suvvada Swathi
72	17T51R0077	Tammena Aparna
73	17T51R0078	Yeluru Monika
74	17T51R0079	Turpati Prameela
75	17T51R0080	Uppada Suryam
76	17T51R0081	Uppada Vasantha
77	17T51R0082	Vanthala Priyanka
78	18T55R0001	Reshma
79	18T55R0002	P Bhuvaneswari

B. Blogges 4. Course Coordinator

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The students of 2<sup>nd</sup> year B. Pharmacy certificate program attending"Executive Biological Pathways" by the Mr. M. Rajeshwar Rao, Assistant Professor.

Course Coordinator

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Date

: 09-07-2018 to 14-07-2018

Subject

: Executive Biological Pathways

IIB. Pharmacy

S. No	Roll No.	Student Name	09/07/18	10/07/18	11/07/18	12/07/18	13/07/18	14/07/18
1	17T51R0001	AdariKarishma Vara Sai Venkata Laxmi	· V	<b>V</b>	V	~	V	/
2	17T51R0002	Addagalla Mohini	<b>✓</b>	~	<b>/</b>	/	~	/
3	17T51R0003	Adibhatla Gowri TejaSree	<b>✓</b>	~	V	V	A	✓
4	17T51R0004	Allu Sudheer	<	V	A	1	<b>/</b>	V
5	17T51R0006	Bavarpu Durga Prasad	<b>\</b>	A	V ·	<b>√</b>	/	/
6	17T51R0007	Bendalam Laya	V	V	<b>V</b>	✓	/	V
7	17T51R0008	Billakurthi Jyothsna	V	$\checkmark$	✓	✓	1	A
8	17T51R0009	Vudata Rachana	V	✓	$\checkmark$	V	/	$\checkmark$
9	17T51R0010	Bonangi Saidevi	<b>V</b>	✓	/	V	<b>V</b>	<b>/</b>
10	17T51R0011	Bondu Durgaprasad	V	<b>√</b>	/	A	A	<b>V</b>
11	17T51R0012	Bonila Anitha	1	✓	✓	✓	V	$\checkmark$
12	17T51R0013	Bonu Priyanka	1	✓	~	V	V	A
13	17T51R0014	Buddharaju Lekha	V	~	1	V	~	V
14	17T51R0015	Byreddy Samyuktha		$\checkmark$	1	/	/	V
15	17T51R0016	Chokkakula Jyothi	V	V	/	V	/	r
16	17T51R0018	Dasari Saibhargavi	V	V	V	V	V	1
17	17T51R0019	Dharmavarapu Abhiram	V	V	*	A	V	1
18	17T51R0020	Duvvana Sreekanth Dora	<b>V</b>	A	/	V	A	<b>√</b>
19	17T51R0021	Ganivada Geetha shankara Rao	1	<b>V</b>	A	V	V	V

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20								
	17T51R0022	Ganta Chakradhar		V	V	V	/	/
21	17T51R0023	Garbhapu Vamsi	/		V	/	A	/
22	17T51R0024	Gembali Rohith		V	V	1	V	/
23	17T51R0025	Gopisetty Neelima	\ \ \	V	V	$\sqrt{}$	V	V
24	17T51R0026	Gorinta Priyanka	V	V	V		V	V
25	17T51R0027	Gorrupotu Dakshayani	A	A	A	A	A	A
26	17T51R0028	Vennela Manohar	~	V	V	V		1
27	17T51R0029	Illipilli MadhuriPriya	V	V	V	<b>V</b>	V	V
28	17T51R0030	Jamma Dakshayani	1	V	V	<b>V</b>	<b>V</b>	/
29	17T51R0031	Kaligotla Naga Hima Bindu	V	V	A	/	V	V
30	17T51R0032	Kalisetti Harichandana	V	V	<b>√</b>	/	V	V
31	17T51R0033	Karri Aparna	V	V	V	/	<b>/</b>	/
32	17T51R0034	Kesamsetty V Sai Aparna Lahari Likhita	<b>V</b>	V	V	V	<b>√</b>	/
33	17T51R0035	Kola Srivalli	A	V		V		./
			• 1		V	V	$\checkmark$	V
34	17T51R0036	Kolati Samyuktha	~	V	V	V	√ √	V
35	17T51R0036 17T51R0037	Kolati Samyuktha Kuddigana Rahul		V			√ √ V	V V
			~		V		√ √ √	
35	17T51R0037	Kuddigana Rahul	V	V	V		V V	V
35	17T51R0037 17T51R0038	Kuddigana Rahul Madasi Karthik	V V	V	✓ ∨ ✓	✓ ✓	V V	V
35 36 37	17T51R0037 17T51R0038 17T51R0039	Kuddigana Rahul Madasi Karthik Marla Prudhvi Raj	V V V	V V	✓ ∨ ✓	✓ ✓	V V	V
35 36 37 38	17T51R0037 17T51R0038 17T51R0039 17T51R0040	Kuddigana Rahul  Madasi Karthik  Marla Prudhvi Raj  Marthi Arjuna	V V V V	V V V	V V V V	✓ ✓	V V	V V V A

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42	17T51R0044	MekaVamsika	/	V	V	V	V	~
43	17T51R0046	Migada Durga Devi	V	<b>/</b>	<b>V</b>	V	1	/
44	17T51R0047	Mindi Pavani	A	A	A	A	A	A
45	17T51R0048	Mudadla Pavani	\ \	A	<b>√</b>	A		
46	17T51R0049	Mulli Sai Kiran	/	<b>/</b>	V	V	V	/
47	17T51R0050	Musinana Reshma	/	/	V	$\checkmark$	~	/
48	17T51R0051	Nagireddi Mounika	<b>/</b>	<b>✓</b>	V	V	1	V
49	17T51R0052	Padala Anil	~	V	V	V	~	V
50	17T51R0053	Palaka Madhu	<b>✓</b>	V	V	<b>/</b>	/	<b>/</b>
51	17T51R0054	Palli Renuka	/	✓	V	$\sqrt{}$	V	<b>_</b>
52	17T51R0055	Velugula Mounica Sri	<b>/</b>	/	<b>V</b>	V	V	$\checkmark$
53	17T51R0056	Parveen		/	<b>/</b>	$\sqrt{}$	<b>√</b>	<b>V</b>
54	17T51R0057	Pollai Santhosh	A	/	A	. 1	A	A
55	17T51R0058	Pothala Sai Kumar	V	V		<b>v</b> /	V	<b>✓</b>
56	17T51R0059	Potupureddi Sivakali Bhargavi	/	V	V	V	V	/
57	17T51R0060	Rajana Devi Priyanka	/	V	$\checkmark$	V	/	V
58	17T51R0061	Ratnala Rachana	/	V	$\checkmark$	<b>v</b>	V	$\checkmark$
59	17T51R0062	Ratnala Sharmila	<b>V</b>	A		V	V	$\sqrt{}$
60	17T51R0063	Reddy BhagyaLaxmi	1	<b>V</b>	V	/	V	,
61	17T51R0064	Rongali Vandana	· V	✓	1	1	A	
62	17T51R0065	Ruttala Manikatha Swami	V	$\sqrt{}$	V	V	V	<b>V</b>
63	17T51R0066	Ruttala Manjusha	P	<b>V</b>	A	V	V	/

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64	17T51R0067	Sallapudi Srivalli					/	
65	17T51R0068	Sankurubothu Kedhashritha	A	/	/	A	/	
66	17T51R0070	Savarapu Yesubabu		/		/	A	
67.	17T51R0071	Seerapu Esthere Rani	1.	A	A			A
68	17T51R0072	Siddani Sruthi Suvarchala	/	A				
69	17T51R0073	Sowdiwada Praneetha	/	/	/		/	
70	17T51R0074	Sri Siva Rupa Chikkala	/		/	A	A	/
71	17T51R0076	Suvvada Swathi	A		A			
72	17T51R0077	Tammena Aparna		A			/	A
73	17T51R0078	Yeluru Monika	/	/		/	A	
74	17T51R0079	Turpati Prameela		/		A		<u></u>
75	17T51R0080	Uppada Suryam		A	/			
76 .	17T51R0081	Uppada Vasantha	A	/	A	~	/	A
77 .	17T51R0082	Vanthala Priyanka	/			<b>/</b>	A	/
78	18T55R0001	Reshma	/ ;	1	/	. A		
79	18T55R0002	P Bhuvaneswari	/	/	/	/		/

N. Neolina

CHITTIVALASA S.A.O.

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Date

ESTD 2005

: 09-07-2018 to 14-07-2018

No. of Students Enrolled

: 79

Subject

: Executive Biological Pathways

II B. Pharmacy

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	17T51R0001	Adari Karishma Vara Sai Venkata Laxmi	36	100%
2	17T51R0002	Addagalla Mohini	36	100%
3	17T51R0003	Adibhatla Gowri TejaSree	30	83%
4	17T51R0004	Allu Sudheer	30	83%
5	17T51R0006	Bavarpu Durga Prasad	30	83%
6	17T51R0007	Bendalam Laya	36	100%.
7	17T51R0008	Billakurthi Jyothsna	30	83%
8	17T51R0009	Vudata Rachana	36	166%
9	17T51R0010	Bonangi Saidevi	36	160%
10	17T51R0011	Bondu Durgaprasad	24	66%
11	17T51R0012	Bonila Anitha	36	100%
12	17T51R0013	Bonu Priyanka	30	83%.
13	17T51R0014	Buddharaju Lekha	36	100%
14	17T51R0015	Byreddy Samyuktha	36	100 %
15	17T51R0016	Chokkakula Jyothi	36	100%
16	17T51R0018	Dasari Saibhargavi	36	100%
17	17T51R0019	Dharmavarapu Abhiram	30	837,
18	17T51R0020	Duvvana Sreekanth Dora  PRINCIP	30	66%

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19	17T51R0021	Ganivada Geetha shankara Rao	30	83%.
20	17T51R0022	Ganta Chakradhar	36	160%
21	17T51R0023	Garbhapu Vamsi	30	83%
22	17T51R0024	Gembali Rohith	36	100%
23	17T51R0025	Gopisetty Neelima	36	160%
24	17T51R0026	Gorinta Priyanka	36	160%
25	17T51R0027	Gorrupotu Dakshayani	Nil	0%
26	17T51R0028	Vennela Manohar	36	160%
27	17T51R0029	Illipilli MadhuriPriya	36	100%
28	17T51R0030	Jamma Dakshayani	36	100%
29	17T51R0031	Kaligotla Naga Hima Bindu	30	83%
30	17T51R0032	Kalisetti Harichandana	36	100%
31	17T51R0033	Karri Aparna	36	160%
32	17T51R0034	Kesamsetty V Sai Aparna Lahari Likhita	36	100%
33	17T51R0035	Kola Srivalli	30	83%
34	17T51R0036	Kolati Samyuktha	36	160%
35	17T51R0037	Kuddigana Rahul	36	100%
36	17T51R0038	Madasi Karthik	36	160%
37	17T51R0039	Marla Prudhvi Raj	36	100%
38	17T51R0040	Marthi Arjuna	24	66 %
39	17T51R0041	Matha Sai Lakshmi	30	837.
40	17T51R0042	Matta Priyanka	36	100%

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41	17T51R0043	Meka PavanKalyan	36	83%.
42	17T51R0044	MekaVamsika	36	160%
43	17T51R0046	Migada Durga Devi	36	160%
44	17T51R0047	Mindi Pavani	Nil	6%.
45	17T51R0048	Mudadla Pavani	<i>W</i> 4	66%.
46	17T51R0049	Mulli Sai Kiran	36	100%
47	17T51R0050	Musinana Reshma	36	160%
48	17T51R0051	Nagireddi Mounika	36	160%
49	17T51R0052	Padala Anil	36	100%
50	17T51R0053	Palaka Madhu	36	100%
51	17T51R0054	Palli Renuka	36	100%
52	17T51R0055	Velugula Mounica Sri	36	100%
53	17T51R0056	Parveen	36	100%.
54	17T51R0057	Pollai Santhosh	12	331/.
55	17T51R0058	Pothala Sai Kumar	36	100%
56	17T51R0059	Potupureddi Sivakali Bhargavi	36	160%
57	17T51R0060	Rajana Devi Priyanka	36	100%
58	17T51R0061	Ratnala Rachana	36	100%
59	17T51R0062	Ratnala Sharmila	30	83%
60	17T51R0063	Reddy BhagyaLaxmi	36	100%
61	17T51R0064	Rongali Vandana	30	83%
62	17T51R0065	Ruttala Manikatha Swami	1, 36	100%
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63	17T51R0066	Ruttala Manjusha	24	66%
64	17T51R0067	Sallapudi Srivalli	36	160%.
65	17T51R0068	Sankurubothu Kedhashritha	24	66%
66	17T51R0070	Savarapu Yesubabu	30	831/.
67	17T51R0071	Seerapu Esthere Rani	18	50%
68	17T51R0072	Siddani Sruthi Suvarchala	30	83%
69	17T51R0073	Sowdiwada Praneetha	36	100%
70	17T51R0074	Sri Siva Rupa Chikkala	24	66%
71	17T51R0076	Suvvada Swathi	24	66 %
72	17T51R0077	Tammena Aparna	24	66%
73	17T51R0078	Yeluru Monika	36	83%
74	17T51R0079	Turpati Prameela	30	83%
75	17T51R0080	Uppada Suryam	<i>3</i> 0	83%
76	17T51R0081	Uppada Vasantha	18	50%
77	17T51R0082	Vanthala Priyanka	30	83%
78	18T55R0001	Reshma	30	83%
79	18T55R0002	P Bhuvaneswari	36	1007.

B. Blogy & & Course Coordinator

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## CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

## BENDALAM LAYA

Bearing roll no. **17T51R0007** pursuing **II B Pharmacy** has successfully completed Value added Course on "EXECUTIVE BIOLOGICAL PATHWAYS" held from 09-07-2018 to 14-07-2018.

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## MADASI KARTHIK

Bearing roll no. 17T51R0038 pursuing II B Pharmacy has successfully completed Value added Course on "EXECUTIVE BIOLOGICAL PATHWAYS" held from 09-07-2018 to 14-07-2018.

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## MARLA PRUDHVI RAJ

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## MATHA SAI LAKSHMI

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This certificate is presented to:

## MATTA PRIYANKA

Bearing roll no. **17T51R0042** pursuing **II B Pharmacy** has successfully completed Value added Course on "EXECUTIVE BIOLOGICAL PATHWAYS" held from 09-07-2018 to 14-07-2018.

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This certificate is presented to:

## MEKA PAVAN KALYAN

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## MULLI SAI KIRAN

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This certificate is presented to:

## SANKURUBOTHU KEDHASHRITHA

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This certificate is presented to:

## SAVARAPU YESUBABU

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This certificate is presented to:

# SOWDIWADA PRANEETHA

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OF PARTICIPATION

This certificate is presented to:

## SRI SIVA RUPA CHIKKALA

Bearing roll no. **17T51R0074** pursuing **II B Pharmacy** has successfully completed Value added Course on "EXECUTIVE BIOLOGICAL PATHWAYS" held from 09-07-2018 to 14-07-2018.

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This certificate is presented to:

## P BHUVANESWARI

Bearing roll no. **18T55R0002** pursuing **II B Pharmacy** has successfully completed Value added Course on "EXECUTIVE BIOLOGICAL PATHWAYS" held from 09-07-2018 to 14-07-2018.

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This certificate is presented to:

## SEERAPU ESTHERE RANI

Bearing roll no. **17T51R0071** pursuing **II B Pharmacy** has successfully completed Value added Course on "EXECUTIVE BIOLOGICAL PATHWAYS" held from 09-07-2018 to 14-07-2018.

J. Shua Sandon CONVENER



PRINCIPAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt. - 531160



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

# CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

# SIDDANI SRUTHI SUVARCHALA

Bearing roll no. **17T51R0072** pursuing **II B Pharmacy** has successfully completed Value added Course on "EXECUTIVE BIOLOGICAL PATHWAYS" held from 09-07-2018 to 14-07-2018.

V. Ilme nucas CONVENER



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Vizianagaram Dt., - 531162





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#### DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy Practice/2018-19/03

Date: 30-07-2018

#### **CIRCULAR**

This is to inform all the students of II Pharm. D that a value-added course will be conducted on the topic "Pediatric Pharmacy Specialized Care for Children" from 06/08/2018 to 11/08/2018 Interested students are required to sign-up for the above mentioned course with "Mr. V. UMA SANKAR" Associate 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

Mr. V. Uma Sankar, Associate Professor,

Avanthi Institute of Pharmaceutical Sciences.

#### Organizing Committee

Dr. V. C. Randeep Raj, Assistant Professor

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

Dr. B. Harini Priya, Assistant

Professor

#### Members

All the faculty from of Pharmaceutical host institute



6 Days Workshop On

Pediatric Pharmacy: Specialized care for Children

06-08-2018 to 11-08-2018

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, BHOGAPURAM(MANDAL), VIZIANAGARAM

AVANYIN Institute of Pharmaceutical Sciences

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

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Course Title

: Pediatric Pharmacy: Specialized Care for Children

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-19

Course Instructor

: Mr. V. Uma Sankar, Associate Professor

Course Coordinator

: Dr. M. S. V Sudeep, Asssistant Professor

Dates

: 06-08-2018 to 11-08-2018

Duration

: 36 hours

Time

: 9:30AM to 4:20PM

Course code

: VAC/Pharm. D/2018/03

#### **Objectives:**

- Understanding Paediatric Pharmacotherapy
- Dosing and Formulation Expertise
- Patient Assessment Skills
- Adverse Event Management
- Therapeutic Monitoring in Paediatrics
- Interdisciplinary Collaboration
- Paediatric Medication Safety
- Paediatric Infectious Diseases
- Parent and Caregiver Education
- Ethical Considerations in Paediatric Pharmacy

#### Out comes:

- Optimized Drug Therapy
- Accurate Dosage Calculations
- Effective Communication
- Interdisciplinary Collaboration
- Medication Safety Implementation
- Therapeutic Monitoring Competence
- Adverse Event Management
- Paediatric Infectious Disease Expertise
- Ethical and Legal Compliance
- Continuous Learning







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#### **Svllabus**

#### 1. Introduction to Pediatric Pharmacy

- Overview of pediatric pharmacotherapy.
- Regulatory considerations and legal aspects in pediatric pharmacy.

#### 2. Dosage Calculations and Formulations

- Principles of accurate dosage calculations in pediatric patients.
- Formulation considerations for age-appropriate administration.

#### 3. Pediatric Patient Assessment

- Growth and development factors influencing drug therapy.
- Pediatric-specific assessment techniques.

#### 4. Adverse Drug Events in Pediatrics

- Identification, management, and prevention of adverse drug events.
- Reporting and monitoring adverse events.

#### 5. Therapeutic Drug Monitoring in Pediatrics

- Principles and application of therapeutic drug monitoring.
- Laboratory assessments in pediatric patients.

#### 6. Interdisciplinary Collaboration in Pediatric Care

- Collaborative practice models in pediatric healthcare.
- Communication skills in the pediatric setting.

M.S.V. fudeep

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Bhogapuram (M), Vizianagaram Dist

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

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#### **TIMETABLE**

CLASS: II PHARM. D

DAY/TIME	9:30- 11:10	11:10- 11:20	11:20 -12:00	12:10 -1:00	1:00- 1:50	1:50- 2:40	2:40- 2.50	2:50 - 3:30	3:30 - 4:20.
MON	zed		pez		pez	pez		pez	pəz
TUE	Specialized dren		Specialized dren		Pediatric Pharmacy: Specialized Care for Children	Specialized dren		Specialized dren	Specialized dren
WED		Break	асу: Spec Children	ıch	acy: Spe		ak		
THU	Pediatric Pharmacy: Care for Chil	Bre	for	Lunch	Pharm re for	for	Break	Pharmacy: are for Chil	Pediatric Pharmacy: Care for Chil
FRI	iatric ] Ca		iatric Ph		iatric Pha Care	iatric Pha Care		Pediatric F Ca	atric F
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MSN Swell Course Coordinator

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Bhogapuram (M), Vizianagaram Dist

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Reference Book: "Pediatric Dosage Handbook" by Carol K. Takemoto, Pharm. D, et al

S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
1.		06-08-2018	6hrs	<ul> <li>Introduction to Pediatric Pharmacy</li> <li>Overview of pediatric pharmacotherapy.</li> <li>Regulatory considerations and legal aspects in pediatric pharmacy.</li> </ul>
2.		07-08-2018	6hrs	<ul> <li>Dosage Calculations and Formulations</li> <li>Principles of accurate dosage calculations in pediatric patients.</li> <li>Formulation considerations for ageappropriate administration.</li> </ul>
3.		08-08-2018	6hrs	<ul> <li>3. Pediatric Patient Assessment</li> <li>Growth and development factors influencing drug therapy.</li> <li>Pediatric-specific assessment techniques.</li> </ul>
4.		09-08-2018	6hrs	<ul> <li>4. Adverse Drug Events in Pediatrics</li> <li>Identification, management, and prevention of adverse drug events.</li> <li>Reporting and monitoring adverse events.</li> </ul>
5.	Week-1	10-08-2018	6hrs	<ul> <li>Therapeutic Drug Monitoring in Pediatrics</li> <li>Principles and application of therapeutic drug monitoring.</li> <li>Laboratory assessments in pediatric patients.</li> </ul>
6.		11-08-2018	6hrs	<ul> <li>6. Interdisciplinary Collaboration in Pediatric Care</li> <li>Collaborative practice models in pediatric healthcare.</li> <li>Communication skills in the pediatric setting</li> </ul>

M.S.V. Sudeep Course Coordinator

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#### Assessment:

#### 1. What is a key consideration in dosage calculations for paediatric patients?

- a. Using adult dosage as a baseline
- b. Ignoring weight and age factors
- c. Administering medications based on height
- d. Considering age-appropriate formulations

#### 2. Why is paediatric patient assessment crucial in drug therapy?

- a. To identify the most cost-effective medications
- b. To minimize the need for therapeutic drug monitoring
- c. To account for growth and development factors
- d. To prioritize adult-focused care practices

### 3. What does the term "therapeutic drug monitoring" involve in paediatric pharmacy?

- a. Adjusting medication doses based on patient preferences
- b. Monitoring medication adherence in paediatric patients
- c. Regularly assessing therapeutic outcomes in children
- d. Assessing the impact of drugs on paediatric growth charts

## 4. In the context of paediatric pharmacy, what is the primary focus of interdisciplinary collaboration?

- a. Reducing the need for collaboration
- b. Enhancing communication with paediatric patients only
- c. Improving overall healthcare outcomes for paediatric patients
- d. Isolating paediatric pharmacy from other healthcare disciplines

#### 5. Why medication safety is particularly emphasized in paediatric pharmacy?

- a. Paediatric patients are more resilient to medication errors
- b. Parents and caregivers are less involved in paediatric medication administration
- c. Paediatric patients may be more vulnerable to adverse events
- d. Paediatric medications have fewer side effects

#### 6. What is a crucial factor when formulating medications for paediatric patients?

- a. Concentrating on generic formulations
- b. Prioritizing taste and palatability
- c. Avoiding liquid formulations
- d. Focusing solely on cost-effectiveness

### 7. When assessing paediatric patients, what is an essential consideration for accurate drug dosing?

- a. Ignoring growth and development milestones
- b. Relying solely on chronological age
- c. Adjusting doses based on weight and age
- d. Administering fixed adult doses

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- 8. Why is effective communication with parents and caregivers important in paediatric pharmacy practice?
  - a. To minimize their involvement in the medication administration process
  - b. To enhance medication adherence and understanding
  - c. To exclude them from decision-making processes
  - d. To prioritize paediatric patients' autonomy
- 9. In paediatric infectious disease management, what is a primary focus in vaccination strategies?
  - a. Delaying vaccinations for long-term effectiveness
  - b. Administering vaccines at the same time as adult schedules
  - c. Tailoring vaccination schedules to paediatric age groups
  - d. Avoiding vaccinations due to potential adverse events
- 10. What is a key aspect of ethical considerations in paediatric pharmacy practice?
  - a. Disregarding informed consent for paediatric patients
  - b. Prioritizing the autonomy of healthcare professionals
  - c. Respecting the rights and autonomy of paediatric patients
  - d. Focusing solely on regulatory compliance

M.S.V. Sudeep Course Coordinator

HOD

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Date

:06-08-2018 to 11-08-2018

No. of Students Enrolled

: 26

Subject

: Pediatric Pharmacy: Specialized Care for Children II 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 VasanthaSena
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 NavyaSree
16	17T51T0017	Mylapalli Abhisekhar
17	17T51T0018	Nimmal Prema Kumari
18	17T51T0019	Pentakota Akhila
19	17T51T0020	Pirla Dhanya Swaroopa



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

M.S.V. Sudder Course Coordinator

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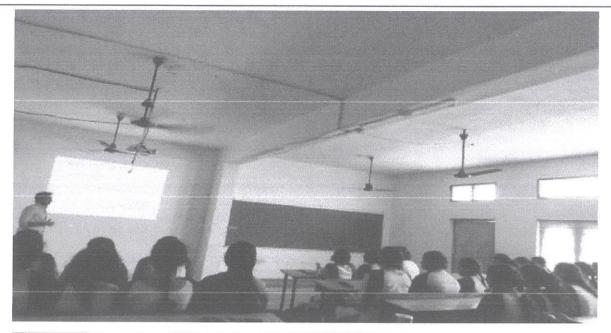
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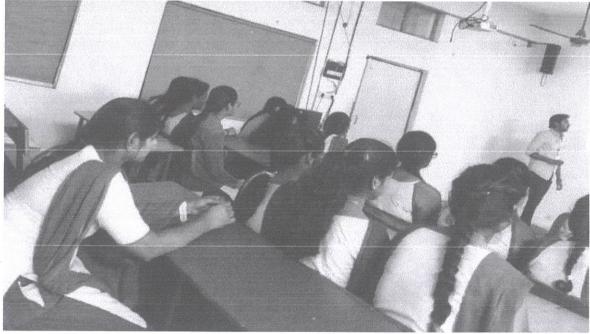
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The students of 2<sup>nd</sup> year PharmD certificate program attending "pediatric pharmacy specialized care for children" by Associate Professor Mr.V. Uma Sankar.

Mrs v. Sudeep Course Coordinator

HOD

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Date

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: 06-08-2018 to 11-08-2018

Subject

: Pediatric Pharmacy: Specialized Care for Children

II Pharm. D

S. No	Roll No.	Student Name	06/08/18	07/08/18	08/08/18	09/08/18	10/08/18	11/08/18
1	17T51T0001	Akula Sanjuna Revathi	$\checkmark$	V	V	/	/	<b></b>
2	17T51T0002	Batchu Divya Vani	~	V	V	A	/	$\checkmark$
3	17T51T0003	Bitra Tanish	. ~	V	V	V	V	~
4	17T51T0004	Bonela Niharika	/	V	/	V	/	V
5	17T51T0005	Chandanapalli Sai Himabindu		~	A	V		/
6	17T51T0006	Dakamuri Kanaka Satya VasanthaSena	V	V	V	/	/	$\checkmark$
7	17T51T0007	Damodara Padmapriya	~	V	/	V		V
8	17T51T0008	Gannamaneni Saipadmini	~	V	/	V		<b>V</b>
9	17T51T0009	Ginne Himaja	V	A	V	V	Δ	1
10	17T51T0010	Kalepu Manisha	V	V	V	V	/	V
11	17T51T0011	Kari Sreevani	V	V	V	V	✓	V
12	17T51T0013	Shaik Nayab	V	V	V	V		V
13	17T51T0014	Kolipaka Karishma	t	V	V	V	V	V
14	17T51T0015	Kolla Jagadeeswari	1	V	V	N	V	V
15	17T51T0016	Marothu NavyaSree	V	V	~	V	V	V
16	17T51T0017	Mylapalli Abhisekhar	A	V	A	V	V	V /
17	17T51T0018	Nimmal Prema Kumari	1/	V	V	V	~	/
18	17T51T0019	Pentakota Akhila	A	A	A	A	A	A
19	17T51T0020	Pirla Dhanya Swaroopa	₩/	V	~	V	V	V

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20	17T51T0021	Pulugurtha Sumathya	W	V		<b>/</b>	~	✓
21	17T51T0022	Savara Gunasekhar	/	/		V		V
22	17T51T0023	Shruti Bharadwaj	V	/	A	<b>√</b>		V
23	17T51T0024	Vejendla Geetha	V	V	~	$\checkmark$	/	V
24	17T51T0025	Tankala Mounika	A	V	V	A	/	A
25	17T51T0026	Mendemu Ratna jyothirmai	V	V		V	A	V
26	16T51T0003	B. Hemantha Nissi	V	V	V	V	~	V

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Date

: 06-08-2018 to 11-08-2018

No. of Students Enrolled

: 26

Subject

: Pediatric Pharmacy: Specialized Care for Children

II Pharm. D

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	17T51T0001	Akula Sanjuna Revathi	36	100%
2	17T51T0002	Batchu Divya Vani	30	83%
3	17T51T0003	Bitra Tanish	36	100%
4	17T51T0004	Bonela Niharika	36	100%
5	17T51T0005	Chandanapalli Sai Himabindu	30	83%
6	17T51T0006	Dakamuri Kanaka Satya VasanthaSena	36	100%
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11	17T51T0011	Kari Sreevani	36	1000%
12	17T51T0013	Shaik Nayab	36	100%
13	17T51T0014	Kolipaka Karishma	36	100%
14	17T51T0015	Kolla Jagadeeswari	36	100%
15	17T51T0016	Marothu NavyaSree	369	100%
16	17T51T0017	Mylapalli Abhisekhar	30	83%
17	17T51T0018	Nimmal Prema Kumari	36	100%

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18	17T51T0019	Pentakota Akhila	181	0%
19	17T51T0020	Pirla Dhanya Swaroopa	36	100%
20	17T51T0021	Pulugurtha Sumathya	36	100%
21	17T51T0022	Savara Gunasekhar	36	100%
22	17T51T0023	Shruti Bharadwaj	30	83%
23	17T51T0024	Vejendla Geetha	36	100%
24	17T51T0025	Tankala Mounika	18	50%
25	17T51T0026	Mendemu Ratna jyothirmai	30	83%
26	16T51T0003	B. Hemantha Nissi	36	100%

M.S.V. Sudeep
Course Coordinator

V. IlmaSankae HOD

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO SHAIK NAYAB

Bearing roll no. 17T51T0013 pursuing **II Pharm D** has successfully completed Value added Course on "PEDIATRIC PHARMACY, SPECIALISED CARE FOR CHILDREN" held from 06-08-2018 to 11-08-2018.

V. Ilma Janker

Convener



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO PULUGURTHA SUMATHYA

Bearing roll no. 17T51T0021 pursuing **II Pharm D** has successfully completed Value added Course on "*PEDIATRIC PHARMACY*, *SPECIALISED CARE FOR CHILDREN*" held from 06-08-2018 to 11-08-2018.

V. Uma Sankar

Convener



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO SAVARA GUNASEKHAR

Bearing roll no. 17T51T0022 pursuing **II Pharm D** has successfully completed Value added Course on "PEDIATRIC PHARMACY, SPECIALISED CARE FOR CHILDREN" held from 06-08-2018 to 11-08-2018.

V. Ilma Sankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO SHRUTI BHARADWAJ

Bearing roll no. 17T51T0023 pursuing **II Pharm D** has successfully completed Value added Course on "*PEDIATRIC PHARMACY*, *SPECIALISED CARE FOR CHILDREN*" held from 06-08-2018 to 11-08-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO VEJENDLA GEETHA

Bearing roll no. 17T51T0024 pursuing **II Pharm D** has successfully completed Value added Course on "PEDIATRIC PHARMACY, SPECIALISED CARE FOR CHILDREN" held from 06-08-2018 to 11-08-2018.

V-llma/Sankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO TANKALA MOUNIKA

Bearing roll no. 17T51T0025 pursuing **II Pharm D** has successfully completed Value added Course on "*PEDIATRIC PHARMACY, SPECIALISED CARE FOR CHILDREN*" held from 06-08-2018 to 11-08-2018.

V-Ilma Jankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO MENDEMU RATNAJYOTHIRMAI

Bearing roll no. 17T51T0026 pursuing **II Pharm D** has successfully completed Value added Course on "*PEDIATRIC PHARMACY*, *SPECIALISED CARE FOR CHILDREN*" held from 06-08-2018 to 11-08-2018.

V-Uma Sankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO B. Hemantha Nissi

Bearing roll no. 16T51T0003 pursuing **II Pharm D** has successfully completed Value added Course on "PEDIATRIC PHARMACY, SPECIALISED CARE FOR CHILDREN" held from 06-08-2018 to 11-08-2018.

V. Ilma Jankar

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#### **DEPARTMENT OF PHARMACY**

Ref no: AIPS/Pharmacy/2018-19/04-

Date: 17-09-2018

#### **CIRCULAR**

This is to inform all the students of III B. Pharmacy that a value-added course will be conducted on the topic "Verdant Medicine and Pharmacy" from 24/09/2018 to 29/09/2018 Interested students are required to sign-up for the above mentioned course with "Ms. Y. VISHNU VANDANA" AssociateProfessor in the Department of Pharmacy.



Principal

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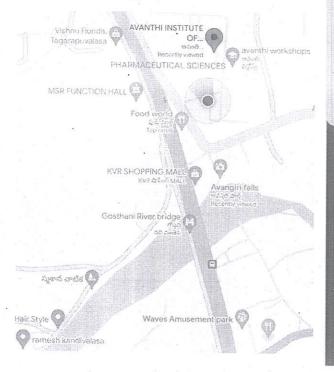
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#### Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to 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



Ms. Y. Vishnu Vandana,
Associate Professor,
Avanthi Institute of Pharmaceutical
Sciences.

#### **Organizing Committee**

M. Divya, Assistant Professor L. Divya Sri, Assistant Professor D. Purnima Yadav, Assistant Professor

#### **Members**

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

6 Days Workshop On

#### Verdant Medicine and Pharmacy

24/09/2018 - 29/09/2018

**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)

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Course Title

: Verdant Medicine and Pharmacy

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018 - 2019

Course Instructor

: Ms. Y. Vishnu Vandana, Associate Professor

Course Coordinator

: Ms. D. Purnima Yadav, Associate Professor

Dates

: 24-09-2018 to 29-09-2018

Duration

: 36 hours

Time

: 9:30AM to 4:20PM

Course code

: VAC/B. Pharm/2018/04

#### **Objectives:**

- Patient Care
- Research and Innovation
- Education
- Community Engagement
- Interdisciplinary Collaboration
- Ethical and Sustainable Practices

#### Out comes:

- Improved Patient Health
- Enhanced Patient Satisfaction
- Innovative Medical Solutions
- Community Health Improvement
- Research Contributions
- Effective Collaboration
- Educational Impact
- Ethical and Responsible Practices
- Positive Organizational Culture
- Financial Sustainability



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#### **Syllabus**

#### 1. Introduction to Verdant Medicine

- Historical perspective and cultural significance.
- Overview of cannabinoids and the endocannabinoid system.

#### 2. Cannabis Pharmacology

- Understanding THC, CBD, and other cannabinoids.
- Routes of administration and pharmacokinetics.

#### 3. Quality and Safety Standards

- Cultivation practices and quality control.
- Extraction methods and product formulation.

#### 4. Legal and Regulatory Considerations

- · Global and local legal frameworks.
- Pharmacy regulations and compliance

#### 5. Therapeutic Applications

- Chronic pain management.
- Neurological disorders, including epilepsy.
- Cancer-related symptoms and side effects.

#### 6. Adverse Effects and Drug Interactions

- Psychiatric implications.
- Potential interactions with common medications.

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Course Coordinator

N. Neelina HOD

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#### **TIMETABLE**

**CLASS: III B. PHARMACY** 

DAY/TIME	9:30- 11:10	11:10- 11:20	11:20- 12:00	12:10- 1:00	1:00- 1:50	1:50- 2:40	2:40 - 2.50	2:50 - 3:30	3:30 - 4:20.
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WED	Verdant Medicine Pharmacy	ak	Verdant Medicine Pharmacy	unch	Verdant Medicine Pharmacy	Verdant Medicine Pharmacy	ak	Medicine	Verdant Medicine Pharmacy
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Course Coordinator

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S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.		24-09-18	6hrs	<ul> <li>Introduction to Verdant Medicine</li> <li>Historical perspective and cultural significance.</li> <li>Overview of cannabinoids and the endocannabinoid system.</li> </ul>
2.		25-09-18	6hrs	<ul> <li>Cannabis Pharmacology</li> <li>Understanding THC, CBD, and other cannabinoids.</li> <li>Routes of administration and pharmacokinetics.</li> </ul>
3.		26-09-18	6hrs	<ul> <li>Quality and Safety Standards</li> <li>Cultivation practices and quality control.</li> <li>Extraction methods and product formulation.</li> </ul>
4.	Week-1	27-09-18	6hrs	<ul> <li>4. Legal and Regulatory         <ul> <li>Considerations</li> <li>Global and local legal frameworks.</li> <li>Pharmacy regulations and compliance.</li> </ul> </li> </ul>
5.	week-1	28-09-18	6hrs	<ul> <li>Therapeutic Applications</li> <li>Chronic pain management.</li> <li>Neurological disorders, including epilepsy.</li> <li>Cancer-related symptoms and side effects.</li> </ul>
6.		29-09-18	6hrs	<ul> <li>6. Adverse Effects and Drug Interactions <ul> <li>Psychiatric implications.</li> <li>Potential interactions with commonmedications.</li> </ul> </li> </ul>

D. Puening Course Coordinator N-Neline HOD

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#### Assessment:

- 1. What is the primary focus of the course on "High-Quality Cannabis Products and Pharmacy"?
  - a. Recreational cannabis use
  - b. Medical applications of cannabis in pharmacy
  - c. Cannabis cultivation techniques
  - d. Legal aspects of cannabis possession
- 2. Which component of cannabis is associated with psychoactive effects?
  - a. Cannabidiol (CBD)
  - b. B. Tetrahydrocannabinol (THC)
  - c. C. Cannabinol (CBN)
  - d. D. Cannabigerol (CBG)
- 3. What is the primary responsibility of pharmacists in the context of cannabis dispensing?
  - a. Recommending cannabis for recreational use
  - b. Assessing patient suitability for medical cannabis
  - c. Cultivating cannabis plants
  - d. Advocating for cannabis legalization
- 4. What is a key consideration for ensuring the quality of cannabis products?
  - a. Inconsistent cultivation practices
  - b. Rigorous quality control in cultivation
  - c. Lack of regulatory compliance
  - d. Rapid product formulation changes
- 5. Which week of the course would likely cover the legal and regulatory aspects of cannabis in pharmacy practice?
  - a. Week 1-2
  - b. Week 3-4
  - c. Week 7-8
  - d. Week 11-12
- 6. What is a common therapeutic application of cannabis in the context of cancer treatment?
  - a. Inducing psychoactive effects
  - b. Managing chronic pain
  - c. Reducing anxiety
  - d. Enhancing cognitive function
- 7. Which cannabinoid is often associated with anti-inflammatory and analgesic effects?
  - a. Tetrahydrocannabinol (THC)
  - b. Cannabidiol (CBD)
  - c. Cannabinol (CBN)
  - d. Tetrahydrocannabivarin (THCV)

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- 8. What aspect of cannabis use is crucial for pharmacists to address during patient counselling?
  - a. Encouraging higher dosages
  - b. Communicating potential risks and benefits
  - c. Promoting recreational use
  - d. Avoiding discussions on adverse effects
- 9. In the context of cannabis pharmacology, what does CBD stand for?
  - a. Cannabinoid Depressant
  - b. Central Brain Derivative
  - c. Cannabidiol
  - d. Cannabinol Dose
- 10. What is a potential concern when considering drug interactions with cannabis in a pharmacy setting?
  - a. Limited potential for interactions
  - b. No impact on medication efficacy
  - c. Possibility of increased drug concentrations
  - d. Consistent metabolism of all medications

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Course Coordinator

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Date

: 24-09-2018 to 29-09-2018

No. of Students Enrolled

: 75

Subject

: Verdant Medicine and Pharmacy

III B. Pharmacy

S. No	Roll No.	Student Name
1	16T51R0002	Arepalli Meghana
2	16T51R0003	Arifa Tasleem
3	16T51R0004	Avala Lalitha
4	16T51R0005	Bandekar Nandini
5	16T51R0006	Boddapalli Likitha
6	16T51R0007	Buddaraju Himabindu
7	16T51R0008	Buddha Pugitha
8	16T51R0009	Burla Yamini
9	16T51R0010	Chandaka Sreelatha
10	16T51R0011	Chapa Anusha
11	16T51R0012	Cherakapu Sai Sravani
12	16T51R0013	Chintagunti Sai Lavanya
13	16T51R0014	Dasari Yumuna
14	16T51R0015	Donka Yamini
15	16T51R0017	Gembali Sravanthi
16	16T51R0018	Gladson Victor
17	16T51R0019	Gorle Aswini
18	16T51R0020	Gorli Kamala

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19	16T51R0021	Gummadi Bhavani
20	16T51R0022	Gurugubelli Pranathi
21	16T51R0023	Isai Navyatha
22	16T51R0024	Jaheera
23	16T51R0025	Jajala Syni
24	16T51R0026	Kammili Anjali
25	16T51R0027	Kanithi Anitha
26	16T51R0028	Karakavalasa Sai Manoj
27	16T51R0029	Koduganti SowmyaKoushiki
28	16T51R0030	Kolli Devi
29	16T51R0031	Kollu Durga Devi
30	16T51R0032	Kommu Anusha
31	16T51R0033	Kondeti Deepika
32	16T51R0034	Koppara Srikanth
33	16T51R0035	Kosireddy Prameela
34	16T51R0036	Kotapadu Krishna Sri
35	16T51R0037	Kothakota Vanajakshi
36	16T51R0038	Lakkaraju Pavani
37	16T51R0039	M.Roja
38	16T51R0040	Majji GunaSundari
39	16T51R0042	Melupati Alekhya
40	16T51R0044	Mottadam Sony Priyanka

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41	16T51R0046	Nagaraju Sruthi Sandhya
42	16T51R0047	Nalamati Kissore Nani
43	16T51R0048	Nandukuri Devi
44	16T51R0049	P.Sri Sai Prakash
45	16T51R0050	Paila Nirupa
46	16T51R0051	Pakki Harika
47	16T51R0052	Pampani Sandhya
48	16T51R0053	Pativada Gagana
49	16T51R0054	Ponaganti Renuka
50	16T51R0055	Pothu Susanna Priyanka
51	16T51R0056	Premkumar Jain
52	16T51R0057	Rayidi Naga Devi
53	16T51R0058	Roshini Chellai
54	16T51R0059	Sabbavarapu Parvathi
55	16T51R0060	Sanapala Moulika
56	16T51R0062	Sayyad Ashiya Parveen
57	16T51R0063	Sesepti Niharika
58	16T51R0064	Simhadaddi Sai Srinivas
59	16T51R0065	Singampalli Naga Jyothi
60	16T51R0066	Siripalli Bhargavi
61	16T51R0067	Sowdala Dhileswrai
62	16T51R0068	Sunkari Vasantha Lakshmi

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63	16T51R0069	Turubilli Bharathi
64	16T51R0070	Ummidi Vamsipriya
65	16T51R0071	Uppada Harshavardhan
66	16T51R0072	Valli Nandini Ramya
67	16T51R0073	Vegi Sampath Bhavya
68	16T51R0074	Vulimiri Saipranati
69	16T51R0075	Vutapalli Esther Rani
70	16T51R0076	Yedla Hemalatha
71	16T51R0077	Kenguva Ramya
72	17T55R0001	Karriyerraji Neeraja
73	14T51R0043	Ommi swathi
74	14T51R0003	Bolisetti Sowjanya
75	14T51R0079	Ramesh chandra K

D. Puerung.
Course Coordinator

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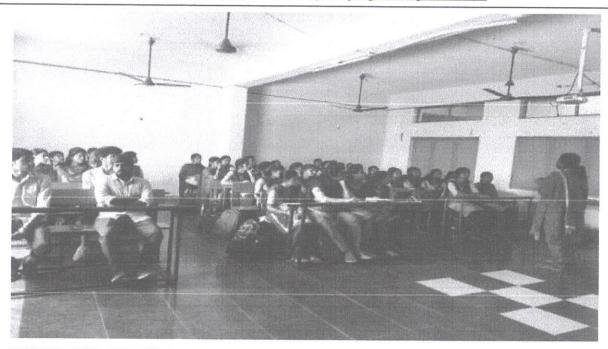
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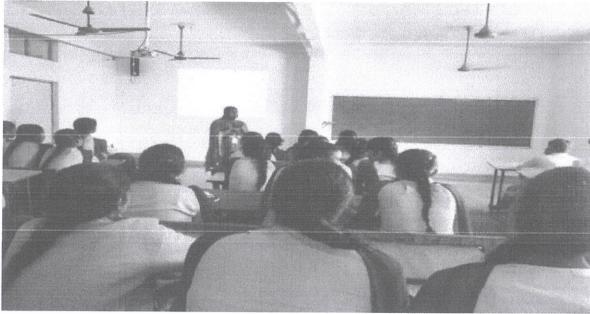
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The students of 3<sup>rd</sup> year B. Pharm certificate program attending "Verdant Medicine And Pharmacy" by the Associate Professor Ms.Y. Vishu Vandana.

D. Puerina

**Course Coordinator** 

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Date

: 24-09-2018 to 29-09-2018

Subject

: Verdant Medicine and Pharmacy

III B. Pharmacy

S. No	Roll No.	Student Name	24/09/18	25/09/18	26/09/18	27/09/18	28/09/18	29/09/18
1	16T51R0002	Arepalli Meghana	V	V	~	~	V	~
2	16T51R0003	Arifa Tasleem	V	~	V	~	~	
3	16T51R0004	Avala Lalitha	~	V	$\checkmark$	/	V	~
4	16T51R0005	Bandekar Nandini	~	✓	~	<b>/</b>	V	/
5	16T51R0006	Boddapalli Likitha	/	~	V	V	~	V.
6	16T51R0007	Buddaraju Himabindu	A	A	A	A	A	A
7	16T51R0008	Buddha Pugitha	~	~	V	<b>~</b>	V	レ
8	16T51R0009	Burla Yamini		/	/	/	~	V
9	16T51R0010	Chandaka Sreelatha	/		V	A	<u> </u>	/
10	16T51R0011	Chapa Anusha	/	~	V	/	V	V
11	16T51R0012	Cherakapu Sai Sravani	/	A	V	/	A	~
12	16T51R0013	Chintagunti Sai Lavanya	V	<b>V</b>	/	V	<u> </u>	$\checkmark$
13	16T51R0014	Dasari Yumuna	Δ	V	~	V	V	✓
14	16T51R0015	Donka Yamini	~	V	/	A	V	<b>/</b>
15	16T51R0017	Gembali Sravanthi	V	V	✓		/	/
16	16T51R0018	Gladson Victor	A	A	A	A	A	A
17	16T51R0019	Gorle Aswini	~	~	~	V	V	$\sim$
18	16T51R0020	Gorli Kamala	~	~	~	/	~	~
19	16T51R0021	Gummadi Bhavani		~		/	/	

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20	16T51R0022	Gurugubelli Pranathi	/	~	A	~	V	V
21	16T51R0023	Isai Navyatha		V	/	V	V	/
22	16T51R0024	Jaheera		v	V	~		V
23	16T51R0025	Jajala Syni		V		/		
24	16T51R0026	Kammili Anjali	A	A	A	A	A	A
25	16T51R0027	Kanithi Anitha	~	V		/		/
26	16T51R0028	Karakavalasa Sai Manoj		V	<b>/</b>	/	/	
27	16T51R0029	Koduganti SowmyaKoushiki	A	~	/	V	V	1
28	16T51R0030	Kolli Devi		/	/	V	V	V
29	16T51R0031	Kollu Durga Devi	A	A	A	A	A	A
30	16T51R0032	Kommu Anusha	V	V	V	V	~	<b>/</b>
31	16T51R0033	Kondeti Deepika	V	V	/	V	/	/
32	16T51R0034	Koppara Srikanth	V	√	/	V	/	/
33	16T51R0035	Kosireddy Prameela		/	/	/	V	/
34	16T51R0036	Kotapadu Krishna Sri		V	~	/	/	
35	16T51R0037	Kothakota Vanajakshi		~	V	V	V	V
36	16T51R0038	Lakkaraju Pavani		/	A	V		V
37	16T51R0039	M.Roja		/	~	V		V
38	16T51R0040	Majji GunaSundari			~	V	/	/
39	16T51R0042	Melupati Alekhya	V	V	~	V	V	/
40	16T51R0044	Mottadam Sony Priyanka		~		· V	V	/
41	16T51R0046	Nagaraju Sruthi Sandhya	V	V	A	J	A	<b></b>

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42	16T51R0047	Nalamati Kissore Nani	/	/		~		
43	16T51R0048	Nandukuri Devi	V	~		V	A	V
44	16T51R0049	P.Sri Sai Prakash					/	· .V
45	16T51R0050	Paila Nirupa	/	A		/	V	V., '
46	16T51R0051	Pakki Harika			/	V		<b>A</b> .
47	16T51R0052	Pampani Sandhya		~	/	V		V
48	16T51R0053	Pativada Gagana		V	V	V	V	V
49	16T51R0054	Ponaganti Renuka	V	~		V	V	V
50	16T51R0055	Pothu Susanna Priyanka	/	/		<b>√</b>	/	
51	16T51R0056	Premkumar Jain	✓	V	/	V	V	✓
52	16T51R0057	Rayidi Naga Devi	Δ	A	A	A	A	A
53	16T51R0058	Roshini Chellai	/	/	/	<b>V</b>	V	V
54	16T51R0059	Sabbavarapu Parvathi	V	/	V	V	· V	V
55	16T51R0060	Sanapala Moulika	/	. <	· <	V	V	V
56	16T51R0062	Sayyad Ashiya Parveen	/	and the same	V		V ,	7/
57	16T51R0063	Sesepti Niharika	✓		V	<b>V</b>	/	~
58	16T51R0064	Simhadaddi Sai Srinivas	/	V	/	V	/	V
59	16T51R0065	Singampalli Naga Jyothi	A	A	A	A	A	A
60	16T51R0066	Siripalli Bhargavi		~		V		~
61	16T51R0067	Sowdala Dhileswrai	/	V	/		V	
62	16T51R0068	Sunkari Vasantha Lakshmi	/	V	/	V	V	~
63	16T51R0069	Turubilli Bharathi	V	/	A	V	4	<b>/</b>

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64	16T51R0070	Ummidi Vamsipriya	~	/	~	V	~	/
65	16T51R0071	Uppada Harshavardhan		/		V	<b>/</b>	✓
66	16T51R0072	Valli Nandini Ramya	A	A	A	A	A	A
67	16T51R0073	Vegi Sampath Bhavya	~			V	~	
68	16T51R0074	Vulimiri Saipranati	/		V	V		/
69	16T51R0075	Vutapalli Esther Rani	/	V	V	V		V
70	16T51R0076	Yedla Hemalatha	A	2	A	A	2	A
71	16T51R0077	Kenguva Ramya	V	~		<b>✓</b>		
72	17T55R0001	Karriyerraji Neeraja	~	V		V	~	V
73	14T51R0043	Ommi swathi	-			V	1	
74	14T51R0003	Bolisetti Sowjanya				<b>√</b>	V	V
75	14T51R0079	Ramesh chnadra K			V	V		V

D. Puenn

**Course Coordinator** 

N. Weelina HOD

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Date

: 24-09-2018 to 29-09-2018

No. of Students Enrolled

: 75

Subject

: Verdant Medicine and Pharmacy

IIIB.Pharmacy

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	16T51R0002	Arepalli Meghana	36	100%.
2	16T51R0003	Arifa Tasleem	36	100%
3	16T51R0004	Avala Lalitha	36	100%
4	16T51R0005	Bandekar Nandini	36	100%
5	16T51R0006	Boddapalli Likitha	36	100%
6	16T51R0007	Buddaraju Himabindu	Nil	6%
7	16T51R0008	Buddha Pugitha	36	100%.
8	16T51R0009	Burla Yamini	36	100%.
9	16T51R0010	Chandaka Sreelatha	30	837,
10	16T51R0011	Chapa Anusha	36	100%
11	16T51R0012	Cherakapu Sai Sravani	24	66%
12	16T51R0013	Chintagunti Sai Lavanya	36	100%
13	16T51R0014	Dasari Yumuna	30	83%
14	16T51R0015	Donka Yamini	24	66%
15	16T51R0017	Gembali Sravanthi	36	100%
16	16T51R0018	Gladson Victor	Nil	0%
17	16T51R0019	Gorle Aswini	36	100%
18	16T51R0020	Gorli Kamala	36	100%

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19	16T51R0021	Gummadi Bhavani	36	160%
20	16T51R0022	Gurugubelli Pranathi	36	83%.
21	16T51R0023	Isai Navyatha	36	100%
22	16T51R0024	Jaheera	36	1004.
23	16T51R0025	Jajala Syni	36	100%
24	16T51R0026	Kammili Anjali	Nil	6%.
25	16T51R0027	Kanithi Anitha	36	100%
26	16T51R0028	Karakavalasa Sai Manoj	36	100%
27	16T51R0029	Koduganti SowmyaKoushiki	30	83%
28	16T51R0030	Kolli Devi	36	100%
29	16T51R0031	Kollu Durga Devi	Nil	6%,
30	16T51R0032	Kommu Anusha	36	100%.
31	16T51R0033	Kondeti Deepika	36	100%.
32	16T51R0034	Koppara Srikanth	36	100%
33	16T51R0035	Kosireddy Prameela	36	100%.
34	16T51R0036	Kotapadu Krishna Sri	36	100%.
35	16T51R0037	Kothakota Vanajakshi	36	100%,
36	16T51R0038	Lakkaraju Pavani	30	83%.
37	16T51R0039	M.Roja	36	100%.
38	16T51R0040	Majji GunaSundari	36	100%
39	16T51R0042	Melupati Alekhya	36	100%
40	16T51R0044	Mottadam Sony Priyanka	36	100%





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16T51R0046	Nagaraju Sruthi Sandhya	24	66%
16T51R0047	Nalamati Kissore Nani	36	160%.
16T51R0048	Nandukuri Devi	36	837.
16T51R0049	P.Sri Sai Prakash	36	100%
16T51R0050	Paila Nirupa	36	83%
16T51R0051	Pakki Harika	36	83%.
16T51R0052	Pampani Sandhya	36	100%
16T51R0053	Pativada Gagana	36	100%
16T51R0054	Ponaganti Renuka	36	100%
16T51R0055	Pothu Susanna Priyanka	36	160%
16T51R0056	Premkumar Jain	36	100%
16T51R0057	Rayidi Naga Devi	Nil	0%
16T51R0058	Roshini Chellai	36	100%
16T51R0059	Sabbavarapu Parvathi	36	100%
16T51R0060	Sanapala Moulika	36	100%.
16T51R0062	Sayyad Ashiya Parveen		100%
16T51R0063	Sesepti Niharika		100%
16T51R0064	Simhadaddi Sai Srinivas		100%.
16T51R0065	Singampalli Naga Jyothi		0%
16T51R0066	Siripalli Bhargavi	36	100%
16T51R0067	Sowdala Dhileswrai		160%
16T51R0068	Sunkari Vasantha Lakshmi	36	100%
	16T51R0047 16T51R0048 16T51R0049 16T51R0050 16T51R0051 16T51R0052 16T51R0053 16T51R0055 16T51R0056 16T51R0057 16T51R0059 16T51R0060 16T51R0060 16T51R0062 16T51R0065 16T51R0065	16T51R0047 Nalamati Kissore Nani 16T51R0048 Nandukuri Devi 16T51R0049 P.Sri Sai Prakash 16T51R0050 Paila Nirupa 16T51R0051 Pakki Harika 16T51R0052 Pampani Sandhya 16T51R0053 Pativada Gagana 16T51R0054 Ponaganti Renuka 16T51R0055 Pothu Susanna Priyanka 16T51R0056 Premkumar Jain 16T51R0057 Rayidi Naga Devi 16T51R0058 Roshini Chellai 16T51R0059 Sabbavarapu Parvathi 16T51R0060 Sanapala Moulika 16T51R0062 Sayyad Ashiya Parveen 16T51R0063 Sesepti Niharika 16T51R0064 Simhadaddi Sai Srinivas 16T51R0065 Singampalli Naga Jyothi 16T51R0066 Siripalli Bhargavi 16T51R0067 Sowdala Dhileswrai	16T51R0047         Nalamati Kissore Nani         36           16T51R0048         Nandukuri Devi         36           16T51R0049         P.Sri Sai Prakash         36           16T51R0050         Paila Nirupa         36           16T51R0051         Pakki Harika         36           16T51R0052         Pampani Sandhya         36           16T51R0053         Pativada Gagana         36           16T51R0054         Ponaganti Renuka         36           16T51R0055         Pothu Susanna Priyanka         36           16T51R0056         Premkumar Jain         36           16T51R0057         Rayidi Naga Devi         Mill           16T51R0058         Roshini Chellai         36           16T51R0059         Sabbavarapu Parvathi         36           16T51R0060         Sanapala Moulika         36           16T51R0061         Sayyad Ashiya Parveen         36           16T51R0062         Sayyad Ashiya Parveen         36           16T51R0063         Sesepti Niharika         36           16T51R0065         Singampalli Naga Jyothi         Nill           16T51R0066         Siripalli Bhargavi         36           16T51R0067         Sowdala Dhileswrai         36

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63	16T51R0069	Turubilli Bharathi	18	50%.
64	16T51R0070	Ummidi Vamsipriya	36	106%
65	16T51R0071	Uppada Harshavardhan	36	160%
66	16T51R0072	Valli Nandini Ramya	Nil	0%
67	16T51R0073	Vegi Sampath Bhavya	36	160%
68	16T51R0074	Vulimiri Saipranati	36	100%
69	16T51R0075	Vutapalli Esther Rani	36	100%
70	16T51R0076	Yedla Hemalatha	Nil	0%
71	16T51R0077	Kenguva Ramya	. 36	100%
72	17T55R0001	Karriyerraji Neeraja	36	100%
73	14T51R0043	Ommi swathi	36	160%
74	14T51R0003	Bolisetti Sowjanya	36	160%
75	14T51R0079	Ramesh chandra K	36	100%

D. Puring.
Course Coordinator

N-Neelina HOD

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Bhogapuram (M), Vizianagaram Dist

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO

Bearing roll no. 14T51R0043 pursuing **III B Pharmacy** has successfully completed Value added Course on "*VERDANT MEDICINE AND PHARMACY*" held from 24-09-2018 to 29-09-2018.

V. IlmoSenkal-

Convener



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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO RAMESHCHNADRA K

Bearing roll no. 14T51R0079 pursuing **III B Pharmacy** has successfully completed Value added Course on "VERDANT MEDICINE AND PHARMACY" held from 24-09-2018 to 29-09-2018.

V. Una Janker

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO

Bearing roll no. 17T55R0001 pursuing **III B Pharmacy** has successfully completed Value added Course on "*VERDANT MEDICINE AND PHARMACY*" held from 24-09-2018 to 29-09-2018.

V. Umasankar

Convener



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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO KENGUVA RAMYA

Bearing roll no. 16T51R0077 pursuing **III B Pharmacy** has successfully completed Value added Course on "VERDANT MEDICINE AND PHARMACY" held from 24-09-2018 to 29-09-2018.

V. uma Sankere

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO YEDLA HEMALATHA

Bearing roll no. 16T51R0076 pursuing **III B Pharmacy** has successfully completed Value added Course on "*VERDANT MEDICINE AND PHARMACY*" held from 24-09-2018 to 29-09-2018.

V. Uma Sanker

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO VUTAPALLI ESTHER RANI

Bearing roll no. 16T51R0075 pursuing **III B Pharmacy** has successfully completed Value added Course on "VERDANT MEDICINE AND PHARMACY" held from 24-09-2018 to 29-09-2018.

V. UmeSankae

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO VULIMIRI SAIPRANATI

Bearing roll no. 16T51R0074 pursuing **III B Pharmacy** has successfully completed Value added Course on "VERDANT MEDICINE AND PHARMACY" held from 24-09-2018 to 29-09-2018.

V. Muer Sankel

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO VEGI SAMPATH BHAVYA

Bearing roll no. 16T51R0073 pursuing **III B Pharmacy** has successfully completed Value added Course on "VERDANT MEDICINE AND PHARMACY" held from 24-09-2018 to 29-09-2018.

V. Ilma Sankar

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO UMMIDI VAMSIPRIYA

Bearing roll no. 16T51R0070 pursuing **III B Pharmacy** has successfully completed Value added Course on "VERDANT MEDICINE AND PHARMACY" held from 24-09-2018 to 29-09-2018.

V. Murganken

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO TURUBILLI BHARATHI

Bearing roll no. 16T51R0069 pursuing **III B Pharmacy** has successfully completed Value added Course on "VERDANT MEDICINE AND PHARMACY" held from 24-09-2018 to 29-09-2018.

V- Uma Sankae

Convener



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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO SUNKARI VASANTHA LAKSHMI

Bearing roll no. 16T51R0068 pursuing **III B Pharmacy** has successfully completed Value added Course on "VERDANT MEDICINE AND PHARMACY" held from 24-09-2018 to 29-09-2018.

V. Umasankar

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO CHINTAGUNTI SAI LAVANYA

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THE FOLLOWING CERTIFICATE IS GIVEN TO CHERAKAPU SAI SRAVANI

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THE FOLLOWING CERTIFICATE IS GIVEN TO CHAPA ANUSHA

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# CERTIFICATE OF PARTICIPATION

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO BUDDHA PUGITHA

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO BURLA YAMINI

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THE FOLLOWING CERTIFICATE IS GIVEN TO BUDDARAJU HIMABINDU

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## CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO BANDEKAR NANDINI

Bearing roll no. 16T51R0005 pursuing **III B Pharmacy** has successfully completed Value added Course on "*VERDANT MEDICINE AND PHARMACY*" held from 24-09-2018 to 29-09-2018.

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#### DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy Practice/2018-19/05

Date: 05-11-2018

#### **CIRCULAR**

This is to inform all the students of V.Pharm. D that a value-added course will be conducted on the topic "Diversity and Inclusion in Pharmacy Practice" from 16/07/2018 to 21/07/2018 interested students are required to sign-up for the above mentioned course with "MR. U. SRI VEKATESH" Associate Professor in the Department of Pharmacy.

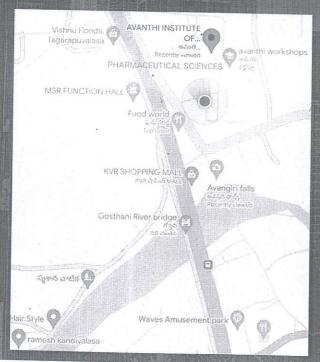


Principal

#### 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

Mr. U. Sri Venkatesh Assistant Professor



#### **Organizing Committee**

Dr. Santhoshi Lakshmi, Assistant Professor

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

Dr. D. Subha Sri, Assistant Professor,

#### Members

All the faculty from of Pharmaceutical Shost institute



6 Days Workshop On

## Diversity and Inclusion in Pharmacy Practice

22/10/2018 - 27/10/2018

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

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Course Title

: Diversity and Inclusion in Pharmacy Practice

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-19

Course Instructor

: Mr. Venkatesh, Associate Professor, Sri Sivani

College of Pharmacy, Srikakulam

Course Coordinator

: Dr. Randeep Raj, Assistant Professor

Dates

: 16-07-2018 to 21-07-2018

Duration

: 36 hours

Time

: 9:30AM to 4:20PM

Course code

: VAC/Pharm. D/2018/ 0 5

#### **Objectives:**

- Understanding Diversity in Healthcare
- · Recognizing Unconscious Bias
- Cultural Competence and Sensitivity
- Inclusive Pharmacy Practices
- Patient-Centered Care for Diverse Populations
- Legal and Ethical Considerations
- Advocacy for Diversity and Inclusion
- Continuous Learning and Reflection

#### Out comes:

- Knowledge Acquisition
- Cultural Competence
- Bias Recognition and Mitigation
- Inclusive Pharmacy Practices
- Patient-Centered Care
- Legal and Ethical Awareness
- Collaboration and Teamwork
- Advocacy Skills
- Continuous Improvement and Lifelong Learning

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#### Syllabus

#### 1. Introduction:

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- Introduction
- Importance of Diversity in Pharmacy Practice
- Defining Key Terms: Diversity and Inclusion
- Dimensions of Diversity in Healthcare
- Activity: Exploring Personal Biases
- Case Studies: Real-life Examples in Pharmacy Settings

#### 2. Understanding Unconscious Bias:

- Introduction to Unconscious Bias
- Impact on Patient Care and Pharmacy Practices
- Strategies for Recognizing and Mitigating Unconscious Bias
- Group Discussions: Unconscious Bias in Pharmacy Scenarios
- Role-playing: Addressing Bias in Patient Interactions
- Reflection and Debrief

#### 3. Cultural Competence and Sensitivity:

- Cultural Competence in Pharmacy
- Cultural Sensitivity in Patient Communication
- Case Studies: Cultural Challenges in Pharmacy Practice
- Communication Skills Workshop
- Interactive Scenario Analysis
- Strategies for Building Cultural Competence

#### 4. Inclusive Pharmacy Practices:

- Creating Inclusive Environments in Pharmacy Settings
- Addressing Diversity in the Workplace
- Best Practices for Inclusive Pharmacy Services
- Panel Discussion: Experiences of Diverse Pharmacy Professionals
- Team-building Exercises
- Developing Action Plans for Inclusion

#### 5. Patient-Centered Care for Diverse Populations:

- Understanding the Healthcare Needs of Diverse Patient Populations
- Tailoring Pharmaceutical Care Plans
- Integrating Cultural Competence into Patient Care
- Case Studies: Patient-Centered Care in Diverse Settings
- Role-playing: Cultural Competence in Medication Counseling

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#### 6. Advocacy, Reflection, and Continuous Learning

- Advocacy for Diversity and Inclusion in Pharmacy
- Legal and Ethical Considerations
- Developing Personal and Professional Advocacy Plans
- Student Presentations: Advocacy Plans
- Reflection and Evaluation
- Action Steps for Continuous Learning

Course Coordinator

HOD

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#### 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.
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TUE	Inclusion Practice		Inclusion Practice		Inclusion Practice	Inclusion Practice		Inclusion Practice	Inclusion Practice
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Course Coordinator

V. Ilme Sankal HOD

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Reference Book: Diversity and Inclusion in Pharmacy PracticebyKarishmaManchanda

S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.		12-12-2022	6hrs	<ul> <li>Introduction: <ul> <li>Introduction</li> <li>Importance of Diversity in Pharmacy Practice</li> <li>Defining Key Terms: Diversity and Inclusion</li> <li>Dimensions of Diversity in Healthcare</li> <li>Activity: Exploring Personal Biases</li> <li>Case Studies: Real-life Examples in Pharmacy Settings</li> </ul> </li> </ul>
2.	Week-1	13-12-2022	6hrs	<ul> <li>2. Understanding Unconscious Bias:</li> <li>Introduction to Unconscious Bias</li> <li>Impact on Patient Care and Pharmacy Practices</li> <li>Strategies for Recognizing and Mitigating Unconscious Bias</li> <li>Group Discussions: Unconscious Bias in Pharmacy Scenarios</li> <li>Role-playing: Addressing Bias in Patient Interactions</li> <li>Reflection and Debrief</li> </ul>
3.		14-12-2022	6hrs	<ul> <li>3. Cultural Competence and Sensitivity:</li> <li>Cultural Competence in Pharmacy</li> <li>Cultural Sensitivity in Patient Communication</li> <li>Case Studies: Cultural Challenges in Pharmacy Practice</li> <li>Communication Skills Workshop</li> <li>Interactive Scenario Analysis</li> <li>Strategies for Building Cultural Competence</li> </ul>



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4.	15-12-2022	6hrs	<ul> <li>4. Inclusive Pharmacy Practices:         <ul> <li>Creating Inclusive Environments in Pharmacy Settings</li> <li>Addressing Diversity in the Workplace</li> <li>Best Practices for Inclusive Pharmacy Services</li> <li>Panel Discussion: Experiences of Diverse Pharmacy Professionals</li> <li>Team-building Exercises</li> <li>Developing Action Plans for Inclusion</li> </ul> </li> </ul>
5.	16-12-2022	6hrs	<ul> <li>5. Patient-Centered Care for Diverse Populations:</li> <li>Understanding the Healthcare Needs of Diverse Patient Populations</li> <li>Tailoring Pharmaceutical Care Plans</li> <li>Integrating Cultural Competence into Patient Care</li> <li>Case Studies: Patient-Centered Care in Diverse Settings</li> <li>Role-playing: Cultural Competence in Medication Counseling</li> </ul>
6.	17-12-2022	6hrs	<ul> <li>6. Advocacy, Reflection, and Continuous Learning <ul> <li>Advocacy for Diversity and Inclusion in Pharmacy</li> <li>Legal and Ethical Considerations</li> <li>Developing Personal and Professional Advocacy Plans</li> <li>Student Presentations: Advocacy Plans</li> <li>Reflection and Evaluation</li> <li>Action Steps for Continuous Learning</li> </ul> </li> </ul>

Course Coordinator

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#### Assessment:

- 1. What is the primary goal of promoting diversity and inclusion in pharmacy practice?
  - a. Exclusivity
  - b. Uniformity
  - c. Equity
  - d. Homogeneity
- 2. What does cultural competence in pharmacy practice involve?
  - a. Ignoring cultural differences for equal treatment
  - b. Acknowledging and understanding diverse cultural backgrounds
  - c. Exclusively focusing on a single cultural perspective
  - d. Prioritizing one's own cultural norms
- 3. Why is it important for pharmacy professionals to address health disparities?
  - a. To promote unequal access to healthcare
  - b. To perpetuate existing healthcare inequities
  - c. To contribute to improved patient outcomes
  - d. To enforce healthcare exclusivity
- 4. What is a key aspect of patient-centered care across diverse populations?
  - a. Uniform treatment plans for all patients
  - b. Ignoring cultural preferences in care
  - c. Tailoring care to individual patient needs and backgrounds
  - d. Standardizing communication for all patients
- 5. Which of the following is a component of cross-cultural communication in healthcare?
  - a. Relying solely on verbal communication
  - **b.** Avoiding the use of interpreters
  - c. Recognizing non-verbal cues and cultural nuances
  - d. Assuming a universal understanding of gestures
- 6. What is the significance of addressing implicit bias in pharmacy practice?
  - a. To reinforce biased decision-making
  - b. To promote unbiased and equitable care
  - c. To discourage diversity in healthcare settings
  - d. To ignore the impact of biases on patient outcomes
- 7. Why is increasing workforce diversity in pharmacy emphasized?
  - a. To maintain a uniform professional environment
  - **b.** To exclude underrepresented individuals
  - c. To reflect the diversity of patient populations
  - **d.** To limit cultural perspectives in pharmacy practice
- 8. what role does advocacy play in diversity and inclusion in pharmacy practice?
  - a. Reinforcing exclusionary practices
  - b. Ignoring the needs of underrepresented populations
  - c. Advocating for the rights and needs of diverse communities

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- d. Promoting discriminatory policies
- 9. What is an effective strategy for community engagement in pharmacy practice?
  - a. Isolating the pharmacy from the local community
  - b. Engaging in one-time events without continuity
  - c. Building partnerships and sustained involvement with the community
  - d. Avoiding collaboration with community organizations
- 10. What does an advocacy campaign in pharmacy practice aim to achieve?
  - a. Maintain the status quo
  - b. Address healthcare disparities and promote inclusivity
  - c. Ignore the needs of underrepresented populations
  - d. Exclusively focus on the majority population's needs

Course Coordinator

HOD

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Date

:16-07-2018 to 21-07-2018

No. of Students Enrolled

: 28

Subject

: "Diversity and Inclusion in Pharmacy Practice"

V Pharm. D

S. No	Roll No.	Students Name
1	14T51T0001	Alaghari Satya Madhuri
2	14T51T0002	AnupojuSowmya
3	14T51T0003	BethaManjula Devi
4	14T51T0004	Boddu Mounika
5	14T51T0005	Bussa Meenakshi
6	14T51T0006	Chittiboyina Amrutha Varshini
7	14T51T0007	Dasari Thusara Srivaidehi
8	14T51T0008	Desari Sumathi
9	14T51T0009	Dungi V V Prasad Reddy
10	14T51T0010	Gorapalli T S Sowmya
11	14T51T0012	Iddupalli Padma
12	14T51T0013	Kommoju Leela Madhuri
13	14T51T0014	Kondapalli Devika Madhuri
14	14T51T0015	Kotaprolu Priyanka
15	14T51T0016	Mahasivabhattu Sri Anand Karunakar Raju
16	14T51T0017	Mukthipudi Ujwala
17	14T51T0018	N Hema Sri Laxmi
18	14T51T0020	Pakalapati Asrita

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19	14T51T0021	Pathigilli Kavya Sri
20	14T51T0022	Rachuri Manogna
21	14T51T0023	Radhika D V L
22	14T51T0024	Seepana Yogasree
23	14T51T0025	Singampalli Sravani
24	14T51T0026	Sure Dhanunjaya
25	14T51T0027	Vasantha Kumudini
26	14T51T0028	Yanapu Naga Venkata Satya Anusha
27	14T51T0029	Yandava Spandana
28	14T51T0030	Simha Haripriya

Course Coordinator

V. Ilmertenka HOD

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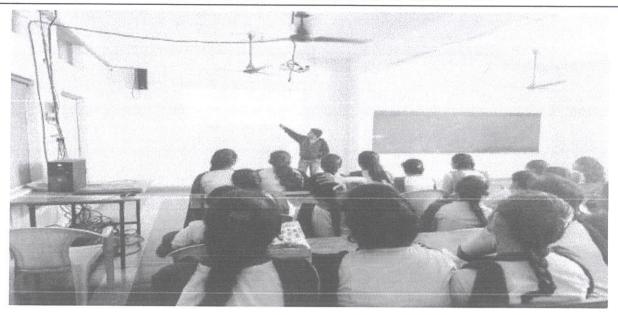
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The students of 5th year Pharm. D certificate program attending "Diversity and Inclusion in Pharmacy Practice" by Mr. Venkatesh, Associate Professor, Sri Sivani College of Pharmacy, Srikakulam.

Course Coordinator

infristitute of Pharmaceutical Sciences

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

anthi Institute of the armanutical Sciences Cherukupally (V), Bhogapurar Vizianagaram Dt., - F



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Date

ESTD: 2005

: 16-07-2018 to 21-07-2018

Subject

: "Diversity and Inclusion in Pharmacy Practice"

V Pharm. D

S. No	Roll No.	Students Name	16/07/18	17/07/18	18/07/18	19/07/18	20/07/18	21/07/18
1	14T51T0001	Alaghari Satya Madhuri	~	✓	/	~	V	V
2	14T51T0002	Anupoju Sowmya	/	✓	~	~	V	V
3	14T51T0003	Betha Manjula Devi	V	V	/	/	V	~
4	14T51T0004	Boddu Mounika	V	V	1	<b>\</b>	V	V
5	14T51T0005	Bussa Meenakshi	/	/	V	/	/	~
6	14T51T0006	Chittiboyina Amrutha Varshini	A	A	A	A	A	A
7	14T51T0007	Dasari Thusara Sri vaidehi	V	V	V	N	V	/
8	14T51T0008	Desari Sumathi	/	· /	V	A	V	/
9	14T51T0009	Dungi V V Prasad Reddy	/	V	/	<b>/</b>	V	V
10	14T51T0010	Gorapalli T S Sowmya	V	V		V	V	1/
11	14T51T0012	Iddupalli Padma	V	V		V	V	/
12	14T51T0013	Kommoju Leela Madhuri	V	/		~	/	/
13	14T51T0014	Kondapalli Devika Madhuri	A	A	A	A	A	A
14	14T51T0015	Kotaprolu Priyanka	V	/		~		~
15	14T51T0016	Maha sivabhattu Sri Anand Karunakar Raju	V	A	~	V		✓
16	14T51T0017	Mukthipudi Ujwala	/	V		V		A
17	14T51T0018	N Hema Sri Laxmi	3/	V		$\checkmark$		
18	14T51T0020	Pakalapati Asrita		V		V		V/
19	14T51T0021	Pathigilli Kavya Sri	V	A		$\checkmark$	~	W

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20	14T51T0022	Rachuri Manogna	1	V		V	A	4
21	14T51T0023	Radhika D V L		V	~	V		V
22	14T51T0024	SeepanaYogasree	V	$\sqrt{}$		A	V	A
23	14T51T0025	Singampalli Sravani		V		V	/	$\vee$
24	14T51T0026	Sure Dhanunjaya	A	V	A	V	V	$\sim$
25	14T51T0027	Vasantha Kumudini	V	V		V	/	
26	14T51T0028	Yanapu Naga Venkata Satya Anusha	V	V	/	$\sqrt{}$	A	✓
27	14T51T0029	Yandava Spandana		V	/	V	V	V_
28	14T51T0030	Simha Haripriya	V			V	/	V

Course Coordinator

V. Uhrofankar.

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



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Date : 16-07-2018 to 21-07-2018

No. of Students Enrolled : 28

Subject : "Diversity and Inclusion in Pharmacy Practice" V Pharm. D

S. No	Roll. No.	Student Name	No. of classes attended	% of classes attended
1	14T51T0001	Alaghari Satya Madhuri	36	100%
2	14T51T0002	AnupojuSowmya	36	100%
3	14T51T0003	BethaManjula Devi	36	(00%
4	14T51T0004	Boddu Mounika	36	100%
.5	14T51T0005	Bussa Meenakshi	36	100%.
6	14T51T0006	Chittiboyina Amrutha Varshini	Nii	0%
7	14T51T0007	Dasari Thusara Srivaidehi	36	100%
8	14T51T0008	Desari Sumathi	30	83%
9	14T51T0009	Dungi V V Prasad Reddy	36	160%
10	14T51T0010	Gorapalli T S Sowmya	36	100%
11	14T51T0012	Iddupalli Padma	36	100%
12	14T51T0013	Kommoju Leela Madhuri	36	100%.
13	14T51T0014	Kondapalli Devika Madhuri	Nil	0%,
14	14T51T0015	Kotaprolu Priyanka	36	100%
15	14T51T0016	Mahasivabhattu Sri Anand Karunakar Raju	30	&3 ½,
16	14T51T0017	Mukthipudi Ujwala	30	837.
17	14T51T0018	N Hema Sri Laxmi	36	100%.
18	14T51T0020	Pakalapati Asrita	36	100%

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19	14T51T0021	Pathigilli Kavya Sri	36	83%
20	14T51T0022	Rachuri Manogna	30	83%
21	14T51T0023	Radhika D V L	36	100%
22	14T51T0024	Seepana Yogasree	24	66%
23	14T51T0025	Singampalli Sravani	36	100%
24	14T51T0026	Sure Dhanunjaya	24	66%.
25	14T51T0027	Vasantha Kumudini	36	100%
26	14T51T0028	Yanapu Naga Venkata Satya Anusha	30	83%
27	14T51T0029	Yandava Spandana	36	100%
28	14T51T0030	Simha Haripriya	36	100%

Course Coordinator

V. Una Sankae HOD

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO YANDAVA SPANDANA

Bearing roll no. 14T51T0029 pursuing V Pharm D has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. Slungfankar

Convener:





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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO SIMHA HARIPRIYA

Bearing roll no. 14T51T0030 pursuing V Pharm D has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. Umglankar

Convener





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# CERTIFICATE OF PARTICIPATION

The following certificate is given to RADHIKA D V L  $\,$ 

Bearing roll no. 14T51T0023 pursuing V Pharm D has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. llugfankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO RACHURI MANOGNA

Bearing roll no. 14T51T0022 pursuing **V Pharm D** has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. Uhmerankan

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO PATHIGILLI KAVYA SRI

Bearing roll no. 14T51T0021 pursuing V Pharm D has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. Ung Jankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO DASARI THUSARA SRIVAIDEHI

Bearing roll no. 14T51T0007 pursuing V Pharm D has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. Ulua Sankai

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO CHITTIBOYINA AMRUTHA VARSHINI

Bearing roll no. 14T51T0006 pursuing V Pharm D has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. Uhuafankar

Convener



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO BUSSA MEENAKSHI

Bearing roll no. 14T51T0005 pursuing V Pharm D has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. Mung Jankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO BODDU MOUNIKA

Bearing roll no. 14T51T0004 pursuing V Pharm D has successfully completed Value added Course on "DIVERSITY AND INCLUSION IN PHARMACY PRACTICE" held from 22-10-2018 to 27-10-2018.

V. Ulma Jankar

Convener





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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO BETHA MANJULA DEVI

Bearing roll no. 14T51T0003 pursuing **V Pharm D** has successfully completed Value added Course on "*DIVERSITY AND INCLUSION IN PHARMACY PRACTICE*" held from 22-10-2018 to 27-10-2018.

V. Ulma Sankar

Convener



45/



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#### DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy Practice/2018-19/06

Date: 05-11-2018

### **CIRCULAR**

This is to inform all the students of IV Pharm. D that a value-added course will be conducted on the topic "Interdisciplinary Collaboration in Health Care" from 12/11/2018 to 17/11/2018 interested students are required to sign-up for the above mentioned course with "Dr. D. VASUDHA" Professor in the Department of Pharmacy.

Principal

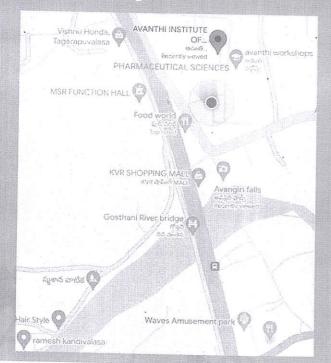


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Avanthi Institute of Pharmaceutical Sciences:
Cherukupally (V), Bhogapuram Mandal
Vizianagaram Dt., - 531162

### 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 Visakhapatnani 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

Dr. D. Vasudha, Professor,

Vignan Institute of Pharmaceutical Technology.

### **Organizing Committee**

Dr. V. C. Randeep Raj, Assistant Professor

Dr. M. S V. Sudeep, 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

# Interdisciplinary collaboration in health care

12/11/2018 - 17/11/2018

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, BHOGAPURAM(MANDAL), VIZIANAGARAM -531162PRINZAPAL

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Course Title

: Interdisciplinary Collaboration in Health Care

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-19

Course Instructor

: Dr. D. Vasudha, Professor, Vignan Institute Of

Pharmacy, Visakhapatnam

Course Coordinator

: Dr. V. C. Randeep Raj, Assistant Professor

Dates

: 12-11-2018 to 17-11-2018

Duration

: 36 hours

Time

: 9:30AM to 4:20PM

Course code

: VAC/Pharm. D/2018/ 06

#### **Objectives:**

- Comprehensive Patient Care
- Enhanced Communication
- Optimized Resource Utilization
- Innovation and Problem-Solving
- Continued Professional Development
- Patient and Family Involvement

#### Out comes:

- Improved Patient Outcomes
- Reduced Medical Errors
- Streamlined Care Delivery
- Enhanced Healthcare Quality
- Increased Healthcare Access
- Cost-effectiveness
- Patient and Family Satisfaction
- Public Health Impact



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#### Syllabus

#### 1. Introduction to Interdisciplinary Collaboration

- Definition and significance of interdisciplinary collaboration
- Historical perspectives and evolution in healthcare
- Benefits and challenges of interdisciplinary teams

#### 2. Roles and Responsibilities

- Identification of healthcare professions and their roles
- Interprofessional education and training
- Legal and regulatory aspects of collaborative practice

#### 3. Communication and Teamwork

- Effective communication strategies
- Team dynamics and conflict resolution
- Building trust and collaboration within teams

#### 4. Case Studies in Interdisciplinary Collaboration

- Analysis of real-world cases
- Identification of successful collaboration models
- Learning from failures and challenges

#### 5. Impact on Patient Outcomes

- Measuring the impact of interdisciplinary collaboration on patient satisfaction
- Improved health outcomes and reduced hospital readmissions
- Quality improvement initiatives

#### 6. Ethical Considerations

- Ethical principles in collaborative healthcare
- Confidentiality and information sharing

Balancing individual autonomy with team goals

**Course Coordinator** 

Avanthi Institute of Pharmaceutical Sciences

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#### TIMETABLE

CLASS: IV PHARM, D

DAY/TIME	9:30- 11:10	11:10- 11:20	11:20 -12:00	12:10 -1:00	1:00- 1:50	1:50- 2:40	2:40- 2.50	2:50 - 3:30	3:30 - 4:20.
MON	n In		n In		n In	n In		n In	n In
TUE	Collaboration care		Collaboration Care		Collaboration Care	Collaboration Care		Collaboration Care	Collaboration Care
WED	Collab Care	Break	Collat Care	ıch	Collab 1 Care	Collab Care	ak	Collab	Collab
THU	linary ( Health	Bre	linary ( Health	Lunch	linary ( Health	linary ( Health	Break	linary ( Health	found
FRI	Interdisciplinary Healti		Interdisciplinary Healtl		Interdisciplinary Healtl	Interdisciplinary Healtl		Interdisciplinary Healtl	Interdisciplinary Healtl
SAT	Inte		Inter		Inter	Inter		Inter	Inter

Course Coordinator

Avanthi Institute of Pharmaceutical Sciences CHERUKUPALLY (V)

CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

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

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Reference Book: Look for articles in journals such as the "Indian Journal of Medical Research" and "Journal of Interprofessional Education & Practice."

s.no	No. of. Weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
1.		12-11-2018	6hrs	<ul> <li>Introduction to Interdisciplinary         Collaboration         <ul> <li>Definition and significance of interdisciplinary collaboration</li> <li>Historical perspectives and evolution in healthcare</li> <li>Benefits and challenges of interdisciplinary teams</li> </ul> </li> </ul>
2.		13-11-2018	6hrs	<ul> <li>2. Roles and Responsibilities</li> <li>Identification of healthcare professions and their roles</li> <li>Interprofessional education and training</li> <li>Legal and regulatory aspects of collaborative practice</li> </ul>
3.	Week-1	14-11-2018	6hrs (	<ul> <li>3. Communication and Teamwork</li> <li>Effective communication strategies</li> <li>Team dynamics and conflict resolution</li> <li>Building trust and collaboration within teams</li> </ul>
4.		15-11-2018	6hrs	<ul> <li>4. Case Studies in Interdisciplinary Collaboration</li> <li>Analysis of real-world cases</li> <li>Identification of successful collaboration models</li> <li>Learning from failures and challenges</li> </ul>

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5.	16-11-2018	6hrs	<ul> <li>5. Impact on Patient Outcomes</li> <li>Measuring the impact of interdisciplinary collaboration on patient satisfaction</li> <li>Improved health outcomes and reduced hospital readmissions</li> <li>Quality improvement initiatives</li> </ul>
6.	17-11-2018	6hrs	<ul> <li>6. Ethical Considerations</li> <li>Ethical principles in collaborative healthcare</li> <li>Confidentiality and information sharing</li> <li>Balancing individual autonomy with team goals</li> </ul>

Course Coordinator

V. UnreSankar HOD

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Bhogapuram (M), Vizianagaram Dist

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#### Assessment:

- 1. What is the primary goal of interdisciplinary collaboration in healthcare?
  - a. Cost reduction
  - b. Increased specialization
  - c. Improved patient outcomes
  - d. Regulatory compliance
- 2. Which term refers to the coordinated and comprehensive delivery of healthcare services by professionals from different disciplines?
  - a. Multidisciplinary care
  - b. Interprofessional collaboration
  - c. Solo practice
  - d. Unidisciplinary approach
- 3. What is a key benefit of effective communication within an interdisciplinary healthcare team?
  - a. Increased competition
  - b. Higher patient satisfaction
  - c. Reduced collaboration
  - d. Limited information sharing
- 4. Which factor is crucial for building trust and collaboration within interdisciplinary teams?
  - a. Strict hierarchy
  - b. Limited communication
  - c. Shared goals and mutual respect
  - d. Isolation of team members
- 5. What does the term "interprofessional education" in healthcare focus on?
  - a. Specialization training
  - **b.** Collaboration among different professions
  - c. Solo practitioner development
  - d. Regulatory compliance education
- 6. Which of the following is a common barrier to interdisciplinary collaboration in healthcare?
  - a. Effective communication
  - b. Shared goals
  - c. Limited understanding of roles
  - d. Mutual respect
- 7. How does interdisciplinary collaboration impact patient outcomes?
  - a. No significant impact
  - b. Decreased patient satisfaction
  - c. Improved health outcomes
  - d. Increased hospital readmissions

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- 8. What ethical consideration is essential in interdisciplinary healthcare practice?
  - a. Strict individual autonomy
  - b. Limited information sharing
  - c. Balancing autonomy with team goals
  - d. Ignoring confidentiality
- 9. Which model of healthcare delivery involves professionals from different disciplines working independently without collaboration?
  - a. Unidisciplinary model
  - b. Multidisciplinary model
  - c. Interdisciplinary model
  - d. Solo practitioner model
- 10. What role does interprofessional collaboration play in addressing healthcare challenges?
  - a. Exacerbates challenges
  - b. Avoids challenges
  - c. Ignores challenges
  - d. Provides innovative solutions and strategies for overcoming challenges

Course Coordinator

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Date

:12-11-2018 to 17-11-2018

No. of Students Enrolled

: 24

Subject

: Interdisciplinary Collaboration in Health Care

IV Pharm. D

S. No	Roll No.	Student Name
1	15T51T0001	Allamsetty Jyotsna
2	15T51T0002	Anumanchipalli Venkata Alekhya
3	15T51T0003	Bodapati Vineela
4	15T51T0004	Burreddy Navya Deepika
5	15T51T0005	D V S Naga Phani Sharma
6	15T51T0006	Garikipati Meena Ujwala
7	15T51T0008	GavaraKusuma
8	15T51T0010	Kada Pinky
9	15T51T0011	Kandregula Chandhusai Raja
10	15T51T0012	Karra Someswara Rao
11	15T51T0013	Killi Bhargavi
12	15T51T0014	Kontheti Mahesh Pavan
13	15T51T0015	Kuppili Prasanna Lakshmi
14	15T51T0016	Madapi Krishna vamsi
15	15T51T0017	Mandadi Vinod Kumar
16	15T51T0019	Mayuri Mercy Paul
17	15T51T0020	Pedada Syam Prashanth
18	15T51T0021	Ramayathu Bhargava Krishna Naik

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19	15T51T0023	Siddila Aparna Rani
20	15T51T0024	S Venkata Surya Rajasri
21	15T51T0025	Venuthurupalli Atchuta Lakshmi Reethika
22	15T51T0026	Vamaraju Upajna
23	15T51T0027	Voota Jayalakshmi
24	15T51T0028	Palla Tanusha

Course Coordinator

V. Ume Janker HOD

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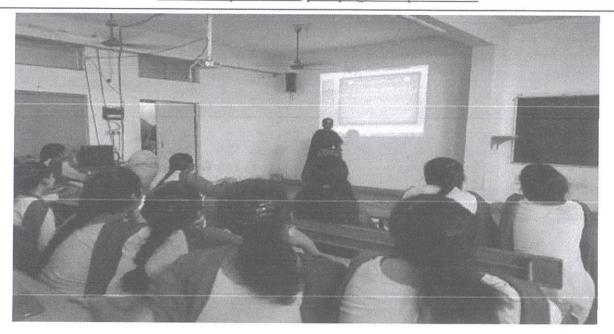
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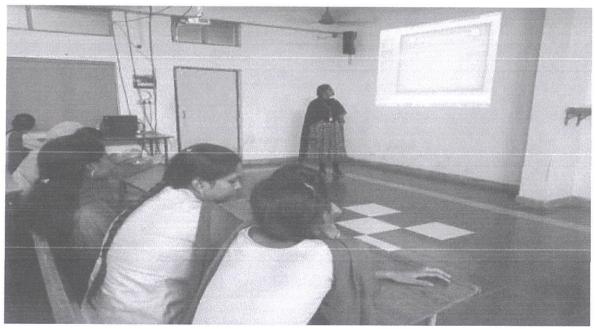
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The students of 4th year Pharm. D certificate program attending "INTERDISCIPLINARY COLLABORATION IN HEALTH CARE" by Dr. D. Vasudha, Professor, Vignan Institute Of Pharmacy, Visakhapatnam.

Course Coordinator

Avanthi Institute of Pharmaceutical Science

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Date

: 12-11-2018 to 17-11-2018

Subject

: Interdisciplinary Collaboration in Health Care

IV Pharm. D

S. No	Roll No.	Student Name	02/07/18	03/07/18	04/07/18	05/07/18	06/07/18	07/07/18
1	15T51T0001	Allamsetty Jyotsna	A	<b>/</b>	~	~	~	A
2	15T51T0002	Anumanchipalli Venkata Alekhya	~	A		A	/	/
3	15T51T0003	Bodapati Vineela	V	/		~	/	/
4	15T51T0004	Burreddy Navya Deepika	1	✓	/	/		V
5	15T51T0005	D V S NagaPhani Sharma	/	<b>✓</b>	/	<b>√</b>	~	/
6	15T51T0006	Garikipati Meena Ujwala	V	/	A	V	/	V
7	15T51T0008	Gavara Kusuma	<b>V</b>	$\checkmark$	V	✓	A	/
8	15T51T0010	Kada Pinky	V	/		V	/	/
9	15T51T0011	Kandregula Chandhusai Raja	V	A		V		/
10	15T51T0012	Karra Someswara Rao	/	✓	/	V	V	/
11	15T51T0013	Killi Bhargavi	V	<b>√</b>	V	<b>√</b>	<b>/</b>	V
12	15T51T0014	Kontheti Mahesh Pavan	/	V	V	/	<b>/</b>	
13	15T51T0015	Kuppili Prasanna Lakshmi	/	V	<b>/</b>	V	V	/
14	15T51T0016	Madapi Krishna vamsi	A	V	V	<b>√</b>	$\checkmark$	A
15	15T51T0017	Mandadi Vinod Kumar	✓	$\sqrt{a}$	Á	<b>√</b>	/	V
16	15T51T0019	Mayuri Mercy Paul	/	$\checkmark$	V	A	/	/
17	15T51T0020	Pedada Syam Prashanth	✓ <b> </b>	$\sqrt{}$	V	✓	<b>/</b>	V
18	15T51T0021	Ramavathu Bhargava Krishna Naik		$\sqrt{}$		V	A	/
19	15T51T0023	Siddila Aparna Rani	V	✓		V	V	$\overline{}$

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20	15T51T0024	S Venkata Surya Rajasri	V	V	~	/		V
21	15T51T0025	Venuthurupalli Atchuta Lakshmi Reethika	✓		~	/	/	V
22	15T51T0026	Vamaraju Upajna	A	A	A	A	A	A
23	15T51T0027	Voota Jayalakshmi		V		/	V	V

Course Coordinator

15T51T0028 Palla Tanusha

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Date

: 12-11-2018 to 17-11-2018

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: 24

Subject

: Interdisciplinary Collaboration in Health Care

IV Pharm. D

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	15T51T0001	Allamsetty Jyotsna	24	66%
2	15T51T0002	Anumanchipalli Venkata Alekhya	24	66%
3	15T51T0003	Bodapati Vineela	36	100%
4	15T51T0004	Burreddy Navya Deepika	36	100%
5	15T51T0005	D V S Naga Phani Sharma	36	100%
6	15T51T0006	Garikipati Meena Ujwala	30	83%
7	15T51T0008	GavaraKusuma	30	83%
8	15T51T0010	Kada Pinky	36	100%
9	15T51T0011	Kandregula Chandhusai Raja	30	83%
10	15T51T0012	Karra Someswara Rao	36	100%
11	15T51T0013	Killi Bhargavi	36	100%
12	15T51T0014	Kontheti Mahesh Pavan	36	100%
13	15T51T0015	Kuppili Prasanna Lakshmi	36	100%
14	15T51T0016	Madapi Krishna vamsi	24	66%
15	15T51T0017	Mandadi Vinod Kumar	30	83%
16	15T51T0019	Mayuri Mercy Paul	30	83%
17	15T51T0020	Pedada Syam Prashanth	36	100%
18	15T51T0021	Ramavatha Phargava Krishna Naik	PRINCIPA	-83%

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19	15T51T0023	Siddila Aparna Rani	36	100%
20	15T51T0024	S Venkata Surya Rajasri	36	100%
21	15T51T0025	Venuthurupalli Atchuta Lakshmi Reethika	36	100%
22	15T51T0026	Vamaraju Upajna	nel	0%
23	15T51T0027	Voota Jayalakshmi	36	100%
24	15T51T0028	Palla Tanusha	36	100%

Course Coordinator

V. Unufanker HOD

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Palla Tanusha

Bearing roll no. 15T51T0028 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

V. ShingSankar

Convener





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# CERTIFICATE OF PARTICIPATION

The following certificate is given to Vamaraju Upajna

Bearing roll no. 15T51T0026 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Voota Jayalakshmi

Bearing roll no. 15T51T0027 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

V. Mung Sandcar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Venuthurupalli Atchuta Lakshmi Reethika

Bearing roll no. 15T51T0025 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Siddila Aparna Rani

Bearing roll no. 15T51T0023 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO S Venkata Surya Rajasri

Bearing roll no. 15T51T0024 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Kandregula Chandhusai Raja

Bearing roll no. 15T51T0011 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Kada Pinky

Bearing roll no. 15T51T0010 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Gavara Kusuma

Bearing roll no. 15T51T0008 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

V. Chung Sankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO Allamsetty Jyotsna

Bearing roll no. 15T51T0001 pursuing **IV Pharm D** has successfully completed Value added Course on "INTERDISCIPLINARY COLLABRATION IN HEALTH CARE" held from 12-11-2018 to 17-11-2018.

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#### DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy Practice/2018-19/07

Date: 10-12-2018

#### **CIRCULAR**

This is to inform all the students of III Pharm. Dthat a value-added course will be conducted on the topic "Pharmacy Informatics; Technology in Health Care" from 17/12/2018 to 22/12/2018 Interested students are required to sign-up for the above mentioned course with "MRS. ASHA PRAVEEN" Assistant Professor in the Department of Pharmacy.

Principal

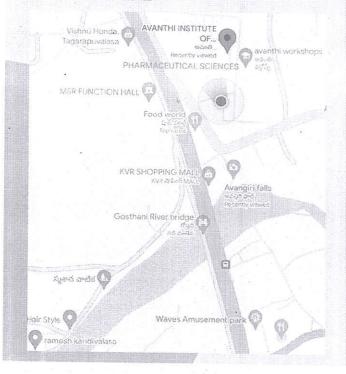
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#### Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to 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. Asha Parveen, Associate Professor,



Srinivasa College of Pharmacy.

#### **Organizing Committee**

Dr. V. C. Randeep Raj, Assistant Professor

Dr. M. S V. Sudeep, Assistant Professor

Dr. D. Subha Sri, Assistant Professor

#### Members

All the faculty from the depart of Pharmaceutical States of host institute 6 Days Workshop On

#### Pharmacy Informatics: Technology in Health Care

17/12/2018 - 22/12/2018

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, BHOGAPURAM(MANDAL), VIZIANAGARAM PRINCIPAL

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#### AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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Course Title

: Pharmacy Informatics: Technology in HealthCare

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-19

Course Instructor

: Mrs. Asha Parveen, Associate Professor,

Srinivasa College of Parmacy, P.M. Pallem,

Visakhapatnam.

Course Coordinator

: Dr. V. C. Randeep Raj, Assistant Professor

Dates

: 17-12-2018 to 22-12-2018

Duration

: 36 hours

Time

: 9:30AM to 4:20PM

Course code

: VAC/Pharm. D/2018/ 07

#### **Objectives:**

- Understanding Healthcare Information Systems
- Pharmacy Workflow Optimization
- Electronic Health Record Integration
- Data Security and Privacy
- Medication Management Systems
- Clinical Decision Support Systems
- Interoperability in Healthcare
- Telepharmacy Applications
- Health Informatics Standards
- Pharmacy Analytics and Reporting

#### Out comes:

- Improved Workflow Efficiency
- Enhanced Medication Safety
- Effective Data Security Measures
- Integration with Healthcare Systems
- Utilization of Clinical Decision Support
- Optimized Medication Management
- Telepharmacy Services Implementation
- Adherence to Health Informatics Standards
- Data-Driven Decision Making
- Continual Learning and Adaptation

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Avanthi Institute of Pharmaceutical Sciences

ESTD :2006

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#### **Syllabus**

#### 1. Introduction to Pharmacy Informatics

- Overview of pharmacy informatics and its significance in healthcare.
- Historical development and evolution of pharmacy information systems.

#### 2. Healthcare Information Systems

- Types of healthcare information systems and their functionalities.
- Role of pharmacy within the broader healthcare information landscape.

#### 3. Electronic Health Record (EHR) Integration

- Principles and challenges of integrating pharmacy information into EHRs.
- Benefits of seamless data exchange between pharmacy and other healthcare providers.

#### 4. Medication Management Systems

- Overview of medication order entry, dispensing, and administration systems.
- Implementation and optimization of technology in medication management.

#### 5. Data Security and Privacy

- Importance of data security and privacy in pharmacy informatics.
- Compliance with healthcare regulations and standards.

#### 6. Clinical Decision Support Systems

Role of clinical decision support in pharmacy practice.

• Utilization of decision support tools for medication-related decisions.

Course Coordinator

HÓD

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CHERUKUPALLY (V)

CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

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#### **TIMETABLE**

CLASS: III PHARM. D

ESTD : 2005

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.
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SAT	Pharmacy		Pharmacy		Pharmacy	Pharmacy		Pharmacy	Pharmacy

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Reference Book: "Information Technology in Pharmacy: An Integrated Approach" by Rajiv Dahiya

ESTD : 2005

1. 17-12-2018 6hrs and its significance in healthcare.  • Historical development and evolution of pharmacy information systems.  2. Healthcare Information Systems  • Types of healthcare information systems and their functionalities.  • Role of pharmacy within the broader healthcare information landscape.  3. Electronic Health Record (EHR) Integration  • Principles and challenges of integrating pharmacy information into EHRs.	S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
Types of healthcare information systems and their functionalities.      Role of pharmacy within the broader healthcare information landscape.  3. Electronic Health Record (EHR) Integration     Principles and challenges of integrating pharmacy information into EHRs.     Benefits of seamless data exchange between pharmacy and other healthcare providers.  4. Medication Management Systems     Overview of medication order Oentry, dispensing, and administration systems.     Implementation and optimization of technology in medication	1.		17-12-2018	6hrs	<ul> <li>Informatics</li> <li>Overview of pharmacy informatics and its significance in healthcare.</li> <li>Historical development and evolution of pharmacy information</li> </ul>
3. Week-1  Week-1  Week-1  Week-1  Week-1  Integration  Principles and challenges of integrating pharmacy information into EHRs.  Benefits of seamless data exchange between pharmacy and other healthcare providers.  A. Medication Management Systems  Overview of medication order Oentry, dispensing, and administration systems.  Implementation and optimization of technology in medication	2.		18-12-2018	6hrs	<ul> <li>Types of healthcare information systems and their functionalities.</li> <li>Role of pharmacy within the broader healthcare information</li> </ul>
Overview of medication order     Oentry, dispensing, and     administration systems.      Implementation and optimization     of technology in medication	3.	Week-1	19-12-2018	6hrs	<ul> <li>Integration</li> <li>Principles and challenges of integrating pharmacy information into EHRs.</li> <li>Benefits of seamless data exchange between pharmacy and other</li> </ul>
PRINCIPAL	4.		20-12-2018	6hrs	<ul> <li>Overview of medication order 0entry, dispensing, and administration systems.</li> <li>Implementation and optimization of technology in medication management.</li> </ul>

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5.	21-12-2018	6hrs	<ul> <li>5. Data Security and Privacy</li> <li>Importance of data security and privacy in pharmacy informatics.</li> <li>Compliance with healthcare regulations and standards.</li> </ul>
6.	22-12-2018	6hrs	<ul> <li>6. Clinical Decision Support Systems</li> <li>Role of clinical decision support in pharmacy practice.</li> <li>Utilization of decision support tools for medication-related decisions.</li> </ul>

Coordinator

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#### Assessment:

#### 1. What is the primary focus of Pharmacy Informatics?

- a. Traditional pharmacy compounding
- b. Integration of information technology in pharmacy practice
- c. Herbal medicine applications
- d. Patient counseling techniques

### 2. Why is Electronic Health Record (EHR) integration crucial in pharmacy informatics?

- a. It reduces the need for medication dispensing.
- b. It streamlines communication with insurance companies.
- c. It allows for seamless data exchange between healthcare providers.
- **d.** It eliminates the need for clinical decision support.

### 3. What does Medication Management Systems primarily focus on in pharmacy informatics?

- a. Financial management of pharmacies
- b. Inventory control and procurement
- c. Streamlining medication order entry, dispensing, and administration
- d. Pharmacy staff training programs

## 4. Which aspect of pharmacy informatics is concerned with protecting patient information and ensuring confidentiality?

- a. Medication Safety
- b. Clinical Decision Support
- c. Data Security and Privacy
- d. Telepharmacy Applications

## 5. What is the role of Clinical Decision Support Systems (CDSS) in pharmacy informatics?

- a. Automating financial transactions
- b. Enhancing medication safety through intelligent alerts and recommendations
- c. Managing pharmacy inventory
- d. Facilitating communication with healthcare insurers

### 6. In pharmacy informatics, what is the objective of optimizing pharmacy workflows?

- a. Minimizing the use of technology
- b. Increasing errors for better learning opportunities
- c. Reducing efficiency in dispensing
- d. Improving efficiency and reducing errors

## 7. What is a key consideration in the implementation of Telepharmacy Applications?

a. Reducing access to pharmaceutical care in remote areas

b. Extending pharmacy services to remote or underserved areas

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- c. Eliminating the need for pharmacist-patient communication
- d. Focusing solely on cost-effectiveness
- 8. Why is compliance with health informatics standards important in pharmacy practice?
  - a. It ensures exclusivity in the use of specific technologies.
  - b. It facilitates interoperability and seamless information exchange.
  - c. It minimizes the need for electronic health records.
  - d. It prioritizes financial considerations over patient care.
- 9. What role do Pharmacy Analytics and Reporting tools play in pharmacy informatics?
  - a. Providing entertainment for pharmacy staff
  - b. Extracting meaningful insights from pharmacy data
  - c. Controlling inventory costs
  - d. Automating medication dispensing processes
- 10. Why is the continual adaptation to emerging technologies emphasized in pharmacy informatics?
  - a. To maintain traditional pharmacy practices
  - b. To resist change and innovation
  - c. To meet the evolving needs of healthcare and technology
  - d. To eliminate the need for professional development

Course Coordinator

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Date

ESTD : 2005

:17-12-2018 to 22-12-2018

No. of Students Enrolled

: 28

Subject

: Pharmacy Informatics: Technology in HealthCare III Pharm. D

S. No	Roll No.	Student Name
1	16T51T0001	Agata Sireesha
2	16T51T0002	Asi Jaya Lakshmi
3	16T51T0004	Bolem Omkar
4	16T51T0006	DabbiruMydhini
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	NandamThanusha
14	16T51T0016	Nandula Durga Sri Lalitha
15	16T51T0017	P P Ramiya
16	16T51T0018	Palikila Rishitha Reddy
17	16T51T0019	PolakiJyoshna

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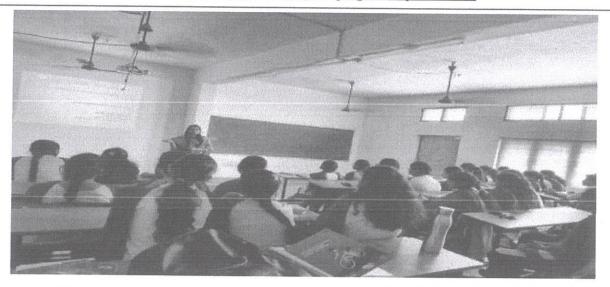
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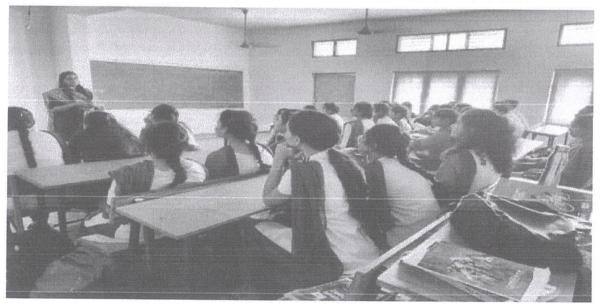
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The students of 3<sup>rd</sup> year Pharm. D certificate program attending "Pharmacy Informatics Technology In Health Care" by the Associate Professor Mrs. Asha Parveen, Srinivasa College of Parmacy, P.M. Pallem, Visakhapatnam.

Course Coordinator

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Date

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: 17-12-2018 to 22-12-2018

Subject

: Pharmacy Informatics: Technology in HealthCare

III Pharm. D

S. No	Roll No.	Student Name	17/12/18	18/12/18	19/12/18	20/12/18	21/12/18	22/12/18
1	16T51T0001	AgataSireesha		1	/	A	/	
2	16T51T0002	Asi Jaya Lakshmi	V	✓		~	/	V
3	16T51T0004	Bolem Omkar	V	/	/	~	/	V
4	16T51T0006	Dabbiru Mydhini	<b>V</b>	/	A	/	V	V
5	16T51T0007	Gujju Emmanuel	V	V	/	/	A	V
6	16T51T0008	J. Prameela	<b>√</b>	A	~	V	/	/
7	16T51T0009	Kotagiri Jyotsna Sai Mahitha	V	$\checkmark$	~	/	1	<b>V</b>
8	16T51T0010	Lekkala Raviteja	V	$\sqrt{}$	V		V	~
9	16T51T0011	Matlapudi Sudeer Kumar	V	V	<b>/</b>	/	V	V
10	16T51T0012	Mattapalli Glory	V	V		/	V	/
11	16T51T0013	Murala Prasanthi	/	V	V	$\checkmark$	/	V
12	16T51T0014	Nakka Hema Madhuri		V	✓	1	A	V
13	16T51T0015	Nandam Thanusha	/	V	/	V	<b>V</b>	V
14	16T51T0016	Nandula Durga Sri Lalitha	/	A	$\checkmark$	/	~	V
15	16T51T0017	P P Ramiya	V	V	/	/	V	V
16	16T51T0018	Palikila Rishitha Reddy	$\sqrt{}$	V	/	<b></b>	V	~
17	16T51T0019	Polaki Jyoshna	A		*/	/	V	V
18	16T51T0020	Prathul Paingoli	V/	V	/		A	V
19	16T51T0021	Sanaboina Akhila	V	V	A	/	V	V

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

Course Coordinator

V. Llue Saulcian.

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Date

: 17-12-2018 to 22-12-2018

No. of Students Enrolled

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Subject

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S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	16T51T0001	Agata Sireesha	30	837.
2	16T51T0002	Asi Jaya Lakshmi	36	100%
3	16T51T0004	Bolem Omkar	36	100%
4	16T51T0006	DabbiruMydhini	30	83%
5	16T51T0007	Gujju Emmanuel	30	83%
6	16T51T0008	J.Prameela	30	83%
7	16T51T0009	Kotagiri Jyotsna Sai Mahitha	36	100%
8	16T51T0010	Lekkala Raviteja	36	100%
9	16T51T0011	Matlapudi Sudeer Kumar	36	100%
10	16T51T0012	Mattapalli Glory	36	100/,
11	16T51T0013	Murala Prasanthi	36	100%
12	16T51T0014	Nakka Hema Madhuri	18	50%
13	16T51T0015	NandamThanusha	36	100%
14	16T51T0016	Nandula Durga Sri Lalitha	30	837,
15	16T51T0017	P P Ramiya	36	100%
16	16T51T0018	Palikila Rishitha Reddy	36	100%
17	16T51T0019	PolakiJyoshna	, 30	83%.
18	16T51T0020	Prathul Paingoli Avanthi Institu	PRINGIPAL	utical Science

Charles (V) Rhogapuram Manda

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19	16T51T0021	Sanaboina Akhila	30	83%
20	16T51T0022	Sanniboyina Bhavya Anusha	36	100%
21	16T51T0023	Sheik Sanjeeda Amreen	36	160%
22	16T51T0024	Timmana Venkata Sai Geethika	36	100%
23	16T51T0026	Yelleti Sainandini	30	837.
24	16T51T0027	M. Supriya Mani	Nil	0%.
25	16T51T0029	L. Manoj Reddy	36	100%
26	16T51T0030	T.Bala Saraswathi	36	100%
27	15T51T0009	K Sowjanya	36	100 %
28	15T51T0018	G Oriana Crystal	Nil	07,

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO SANNIBOYINA BHAVYA ANUSHA

Bearing roll no. 16T51T0022 pursuing **III PharmD** has successfully completed Value added Course on "PHARMACY INFORMATICS, TECHNOLOGY IN HEALTH CARE" held from 17-12-2018 to 22-12-2018.

V. Ilmo Jerribar

Convener



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO SHEIK SANJEEDA AMREEN

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V. Mus Sankar

Convener



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO TIMMANA VENKATA SAI GEETHIKA

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V. Ilingankon

Convener



Principal

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO YELLETI SAINANDINI

Bearing roll no. 16T51T0026 pursuing **III PharmD** has successfully completed Value added Course on "PHARMACY INFORMATICS, TECHNOLOGY IN HEALTH CARE" held from 17-12-2018 to 22-12-2018.

V. Uhre Sendon

Convener



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO M.SUPRIYA MANI

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V. Shugfoulcan

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO GORIANA CRYSTAL

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V. Shus Jankson

Convener



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### DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy Practice/2018-19/08

Date: 05-11-2018

### **CIRCULAR**

This is to inform all the students of II M. Pharm that a value-added course will be conducted on the topic "Global Regulatory Strategies in Pharma" from 04-02-2019 to 09-02-2019 interested students are required to sign-up for the above mentioned course with "MS. CH. PADMAJA" Professor in the Department of Pharmacy.

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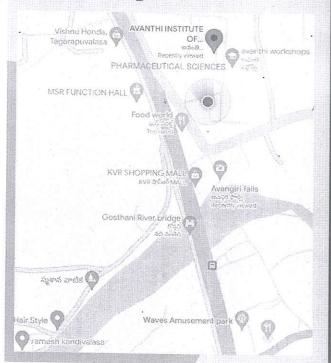
Principal

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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** 

Ms. Ch. Padmaja, Executive Manager



**Organizing Committee** 

Mrs. A.H.V. Santoshi, Associate Professor

Mrs. B. Chaitanya, Associate Professor

Ms. Y. Vishnu Vandana, Associate Professor

**Members** 

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

6 Days Workshop On

# Global Regulatory Strategies in Pharma

04/02/2019 - 09/02/2019

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

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

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Course Title

: Global Regulatory Strategies in Pharma

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-19

Course instructor

: Ms. Ch. Padmaja, Executive, Eisai

Pharmaceuticals, Parawada, Visakhapatnam

Course Coordinator

: Mrs. M. Madhavi kumari, Associate Professor

Dates

: 04-02-2019 to 09-02-2019

Duration

: 36 hours

Time

: 9:30AM to 4:20PM

Course code

: VAC/M. Pharm /2018/08

### **Objectives:**

- Global Market Access
- Regulatory Compliance
- Harmonization and Standardization
- Risk Management
- Early Regulatory Engagement
- Adaptability to Regulatory Changes
- Optimization of Regulatory Pathways

#### Out comes:

- Timely Regulatory Approvals
- Global Product Labeling Consistency
- Risk Mitigation
- Market Expansion
- Enhanced Regulatory Relationships
- Efficient Resource Allocation
- Comprehensive Regulatory Intelligence

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### **Syllabus**

### 1. Introduction to Global Regulatory Affairs

- Overview of Regulatory Affairs in the Pharmaceutical Industry
- Importance of Global Regulatory Strategies
- Key Regulatory Authorities Worldwide

### 2. Regulatory Requirements in Major Markets

- Regulatory Landscape in the United States (FDA)
- European Medicines Agency (EMA) and European Regulatory Framework
- Pharmaceuticals and Medical Devices Agency (PMDA) in Japan
- Other Major Regulatory Authorities (Health Canada, Therapeutic Goods Administration, etc.)

### 3. International Conference on Harmonization (ICH) Guidelines

- Introduction to ICH and Its Objectives
- Overview of ICH Guidelines: Safety, Efficacy, and Quality Topics
- Implementation of ICH Guidelines in Regulatory Submissions

### 4. Drug Development and Regulatory Strategies

- Preclinical Development: Global Regulatory Considerations
- Clinical Trials: Design, Conduct, and Reporting
- Strategies for Regulatory Submissions: Investigational New Drug (IND) and New Drug Application (NDA) Processes

#### 5. Biologics and Biosimilar Regulation

- Regulatory Framework for Biologics
- Biosimilars Development and Approval
- Unique Considerations in Global Biologics Regulation

### 6. Generic Drug Approval Pathways

- Abbreviated New Drug Application (ANDA) Process in the U.S.
- Regulatory Strategies for Generic Drug Approval Worldwide

Challenges and Opportunities in the Generic Drug Market

Course Coordinato

N-Weelina HOD Avanthi Institute of Pharmaceutical Science:

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

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### TIMETABLE

### CLASS: IIM. 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	-								
TUE	ılatory Pharma		ılatory Pharma		ılatory Pharma	ulatory Pharma		atory	ulatory Pharma
WED	Regulatory ss in Pharm	l Regula ies in Ph Break	Regulatory ss in Pharm	unch	Regulatory ss in Pharm Regulatory	Regulatory ss in Pharm		E E	Regulatory ss in Pharm
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### 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.	
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SAT	02		S		S	S		_ N	_ 02	

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### CLASS: II M. PHARMACY (Pharmaceutics)

DAY/TIME	9:30- 11:10	11:10- 11:20	11:20 -12:00	12:10 -1:00	1:00- 1:50	1:50- 2:40	2:40- 2.50	2:50 - 3:30	3:30 - 4:20.	
MON	-		_		_	_				
TUE	ulatory Pharma		ılatory Pharma		ılatory Pharma	ılatory Pharma		ulatory Pharma	ılatory Pharma	
WED	Regulatory ss in Pharm	Break	Regulatory s in Pharm	unch	egulatory in Pharm	egulatory in Pharm	Break	egulatory in Pharm	Regulatory ss in Pharm	
THU	al Regies	al R gies	sal R	(1)	Lu Lu	× 8		Bre	al R gies	al
FRI	Global R Strategies		Global Strategie		Global Strategie	Global R Strategies		Global Strategi	Global Strategi	
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**Course Coordinator** 

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Reference Book: "Global Regulatory Affairs: Challenges, Opportunities, Strategies" by Dale Carter, Rebecca Tollefson, et al.

s.No	No. of. Weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
1.		04-02-2019	6hrs	Introduction to Global Regulatory     Affairs     Overview of Regulatory Affairs in the Pharmaceutical Industry     Importance of Global Regulatory Strategies     Key Regulatory Authorities     Worldwide
2.	Week-1	05-02-2019	6hrs	<ul> <li>2. Regulatory Requirements in Major Markets</li> <li>Regulatory Landscape in the United States (FDA)</li> <li>European Medicines Agency (EMA) and European Regulatory Framework</li> <li>Pharmaceuticals and Medical Devices Agency (PMDA) in Japan</li> <li>Other Major Regulatory Authorities (Health Canada, Therapeutic Goods Administration, etc.)</li> </ul>
3.		06-02-2019	6hrs	<ul> <li>3. International Conference on Harmonization (ICH) Guidelines</li> <li>Introduction to ICH and Its Objectives</li> <li>Overview of ICH Guidelines: Safety, Efficacy, and Quality Topics</li> <li>Implementation of ICH Guidelines in Regulatory Submissions</li> </ul>

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4.	07-02-2019	6hrs	<ul> <li>4. Drug Development and Regulatory Strategies</li> <li>Preclinical Development: Global Regulatory Considerations</li> <li>Clinical Trials: Design, Conduct, and Reporting</li> <li>Strategies for Regulatory Submissions: Investigational New Drug (IND) and New Drug Application (NDA) Processes</li> </ul>
5.	08-02-2019	6hrs	<ul> <li>5. Biologics and Biosimilar Regulation</li> <li>Regulatory Framework for Biologics</li> <li>Biosimilar Development and Approval</li> <li>Unique Considerations in Global Biologics Regulation</li> </ul>
6.	09-02-2019	6hrs	<ul> <li>6. Generic Drug Approval Pathways</li> <li>Abbreviated New Drug Application (ANDA) Process in the U.S.</li> <li>Regulatory Strategies for Generic Drug Approval Worldwide</li> <li>Challenges and Opportunities in the Generic Drug Market</li> </ul>

Course Coordinator

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Date

ESTD 2005

:04-02-2019 to 09-02-2019

No. of Students Enrolled

: 15

Subject

: Global Regulatory Strategies in Pharma

IIM. Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name
1	17T51S0401	Allada Anuradha
2	17T51S0402	Godaba Sukanya
3	17T51S0403	Padala Hemalatha
4	17T51S0404	Pithani Ashok
5	17T51S0405	Pothumudi Surekha
6	17T51S0406	Pradhani Lakshmi prasanna
7	17T51S0407	Salapu Ramana
8	17T51S0408	Yenugutala Sai Bhagya Lakshmi
9	17T51S0409	Karri Triveni
10	17T51S0410	Sirisetti Kalyani
11	17T51S0411	Atchi Padma Priya
12	17T51S0412	Bandari Mamatha
13	17T51S0413	ChitlaVijaya Nirmala
14	17T51S0414	Jagannadhan Swetha
15	17T51S0415	Siripurapu Sai Prudhvi

Course Coordinator

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N-Neelia

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te of Pharmaceutical Sciences
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Vizianagaram Dt., - 531162

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Bhogapuram (M), Vizianagaram Dist

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Date

: 04-02-2019 to 09-02-2019

No. of Students Enrolled

: 09

Subject

: Global Regulatory Strategies in Pharma

II M. Pharmacy (Pharmacology)

S. No	Roll No.	Student Name
1	17T51S0601	Akula Ramakrishna
2	17T51S0602	Chokkakula Mamatha
3	17T51S0603	Janam Mounika
4	17T51S0604	Mudugu Atcha Rao
5	17T51S0605	P Jaya Bharthi
6	17T51S0606	Sanapati Krishnaveni
7	17T51S0607	Singupurapu Pradeep
8	17T51S0608	Belagapu Mounika
9	17T51S0609	Penki Akhila

**Course Coordinator** 

HOD

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

Date

Avanthi Institute of Pharmaceutical Sciences: 04-02-2019 to 1970, Bhogapuram Mandal Vizianagaram Dt., - 531162

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No. of Students Enrolled

: 17

Subject

: Global Regulatory Strategies in Pharma

II M. Pharmacy (Pharmaceutics/Pharmaceutical Technology)

S. No	Roll No.	Student Name
1	17T51S0301	Bonthu Siva Kumar
2	17T51S0302	Bora Karishma
3	17T51S0303	Gokavarapu Sharanya
4	17T51S0304	Karri Keerthi mounica
5	17T51S0305	Karri Sudharani
6	17T51S0306	Malla Dhana Aparna Devi
7	17T51S0307	Mulampaka Naga Arjuna Gowri
8	17T51S0308	Sureddi Rama Lakshmi
9	17T51S0309	Theeda Lakhmi Sowjanya
10	17T51S0310	Allada Spandana
11	17T51S0311	Katari Pavani
12	17T51S0312	Marothu Srinivas
13	17T51S0313	Talabathula Pavani
14	17T51S1101	Daketi Soba Rani
15	17T51S1102	Goteti Krishna Sanjeeva Bala Kanthi
16	17T51S1103	Palisetti Kusuma Priya
17	17T51S1104	Pavankumar Patimalla

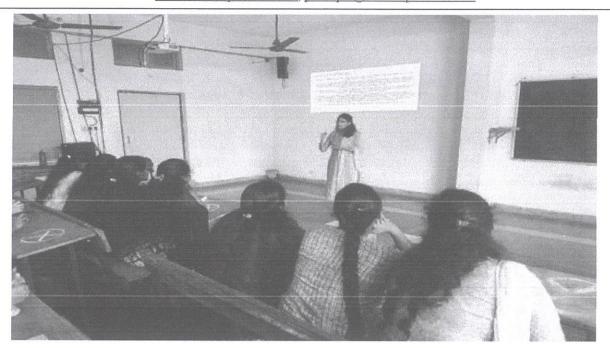
Course Coordinator

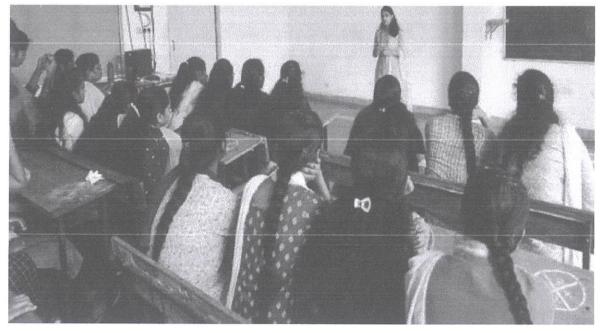
Avanthi Institute of Pharmaceutical Scien CHERUKUPALLY (V)

CHITTIVALASA S.A.O. Avanthi Institute of Pharmaceutical Schengapuram (M), Vizianagaram Dist

Cherukupally (V), Biogaporam Mandal

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The students of II year M. Pharmacy certificate program attending "Global Regulatory Strategies in Pharma" by Ms. Ch. Padmaja, Executive, Eisai Pharmaceuticals, Parawada, Visakhapatnam.

**Course Coordinator** 

Avainthi Institute of Pharmaceutical Scien CHERUKUPALLY (V)

N. Neshia

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Date

: 04-02-2019 to 09-02-2019

Subject

: Global Regulatory Strategies in Pharma

II M. Pharmacy (Pharmacology)

S. No	Roll No.	Student Name	04/02/19	05/02/19	06/02/19	07/02/19	08/02/19	09/02/19
1	17T51S0601	Akula Ramakrishna	V	V	V	A	~	V
2	17T51S0602	Chokkakula Mamatha	A	A	M	Δ	A	A
3	17T51S0603	Janam Mounika	V	V	V	A		V
4	17T51S0604	Mudugu Atcha Rao	V	V	V	A	V	~
5	17T51S0605	P Jaya Bharthi	V		<b>V</b>	A	/	
6	17T51S0606	Sanapati Krishnaveni	~	~	<b>√</b>	A		~
7	17T51S0607	Singupurapu Pradeep	~	V	V	V	A	V
8	17T51S0608	Belagapu Mounika	/	/	A	V	V	V
9	17T51S0609	Penki Akhila	V	V	/	V	V	V

Course Coordinator

N. Neelina

Evanith Institute of Pharmaceubcal Science CHERUKUPALLY (V) CHITTIVALASA S.A.O. Bhogapuram (M), Vizianagaram Dist



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Date

ESTD: 2005

: 04-02-2019 to 09-02-2019

Subject

: Global Regulatory Strategies in Pharma

IIM. Pharmacy (Pharmaceutics/Pharmaceutical Technology)

S. No	Roll No.	Student Name	04/02/19	05/02/19	06/02/19	07/02/19	08/02/19	09/02/19
1	17T51S0301	Bonthu Siva Kumar	<b>✓</b>	<b></b>	~	<b>V</b>	<b>/</b>	<b>/</b>
2	17T51S0302	Bora Karishma	A	A	A	A	A	A
3	17T51S0303	Gokavarapu Sharanya	~	~	V		<b>/</b>	1
4	17T51S0304	Karri Keerthi mounica	~	/	V	<b>/</b>		<b>V</b>
5	17T51S0305	Karri Sudharani	V	<b>V</b>	✓	V		V
6	17T51S0306	Malla Dhana Aparna Devi	V	V	V	V	V	V
7	17T51S0307	Mulampaka Naga ArjunaGowri	V	/	Y	V	V	A
8	17T51S0308	Sureddi Rama Lakshmi	V	✓	/	V	$\checkmark$	V
9	17T51S0309	Theeda Lakhmi Sowjanya	V	V	V	V	V	V
10	17T51S0310	Allada Spandana	V	V	A	V	V	V
11	17T51S0311	Katari Pavani	V	V	V	,V	V	V
12	17T51S0312	Marothu Srinivas	A	/	V	V	V	A
13	17T51S0313	Talabathula Pavani	V	V	V	/	$\checkmark$	V.
14	17T51S1101	Daketi Soba Rani	V	/	<b>V</b>	.√	/	A
15	17T51S1102	Goteti Krishna Sanjeeva Bala Kanthi	<b>✓</b>	V	V	<b>√</b>	V	$\checkmark$
16	17T51S1103	Palisetti KusumaPriya	V/	<b>V</b>	V	A	$\checkmark$	$\checkmark$
17	17T51S1104	Pavankumar Patimalla	<b>V</b>	V	X	$\sqrt{}$	$\checkmark$	✓

Madui Course Coordinator N. Neeline

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Date

: 04-02-2019 to 09-02-2019

Subject

: Global Regulatory Strategies in Pharma

II M. Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name	04/02/19	05/02/19	06/02/19	07/02/19	08/02/19	09/02/19
1	17T51S0401	Allada Anuradha	<b>-</b>	~	<b>V</b>	<b>V</b>	<b>/</b>	<b>V</b>
2	17T51S0402	Godaba Sukanya	A	A	A	A	M	M
3	17T51S0403	Padala Hemalatha	V	<b>✓</b>		~	V	<b></b>
4	17T51S0404	Pithani Ashok	V	<b>V</b>	V	V	_	<b>✓</b>
5	17T51S0405	Pothumudi Surekha	A	V	V	V	/	/
6	17T51S0406	Pradhani Lakshmi prasanna	· ~	V		V	/	V
7	17T51S0407	Salapu Ramana		V	1	~	V	/
8	17T51S0408	Yenugutala Sai Bhagya Lakshmi	V	V	V	/	✓	V
9	17T51S0409	Karri Triveni	V	V	A	<b>V</b>	V	<b>V</b>
10	17T51S0410	Sirisetti Kalyani		V	✓	<b>√</b>	V	A
11	17T51S0411	Atchi Padma Priya	/	V		<b>√</b>	/	V
12	17T51S0412	Bandari Mamatha	V	V	$\checkmark$	✓	<i>y</i>	V
13	17T51S0413	ChitlaVijaya Nirmala	V	V	A	<b>√</b>	V	V
14	17T51S0414	Jagannadhan Swetha	V	V	<b>/</b>	V	A	V
15	17T51S0415	Siripurapu Sai Prudhvi	V	/	1	$\sqrt{}$	$\nabla$	V

**Course Coordinator** 

Avanthi Institute of Pharmaceutical Science

Avanthi Institute of

Pharmaceutical Sciences

CHITTIVALASA S.A.O. Bhogapulan Vizianagaram Dist

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

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Date

: 04-02-2019 to 09-02-2019

No. of Students Enrolled

: 15

Subject

: Global Regulatory Strategies in Pharma

IIM. Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	17T51S0401	Allada Anuradha	36	100%
2	17T51S0402	Godaba Sukanya	121	0%
3	17T51S0403	Padala Hemalatha	36	100%
4	17T51S0404	Pithani Ashok	36	100%
5	17T51S0405	Pothumudi Surekha	30	83%
6	17T51S0406	Pradhani Lakshmi prasanna	36	100%
7	17T51S0407	Salapu Ramana	36	100%
8	17T51S0408	Yenugutala Sai Bhagya Lakshmi	36	100%
9	17T51S0409	Karri Triveni	30	83%
10	17T51S0410	Sirisetti Kalyani	30	83%
11	17T51S0411	Atchi Padma Priya	36	100%
12	17T51S0412	Bandari Mamatha	36	100%
13	17T51S0413	ChitlaVijaya Nirmala	30	83%
14	17T51S0414	Jagannadhan Swetha	30	83%
15	17T51S0415	Siripurapu Sai Prudhvi	36	100%

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Date

ESTD : 2005

: 04-02-2019 to 09-02-2019

No. of Students Enrolled

: 09

Subject

: Global Regulatory Strategies in Pharma

II M. Pharmacy (Pharmaceutical Analysis)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	17T51S0601	Akula Ramakrishna	30	83%
2	17T51S0602	Chokkakula Mamatha	181	5%
3	17T51S0603	Janam Mounika	30	83%
4	17T51S0604	Mudugu Atcha Rao	30	83%
5	17T51S0605	P Jaya Bharthi	30	83%
6	17T51S0606	Sanapati Krishnaveni	30	83%
7	17T51S0607	Singupurapu Pradeep	30	83%
8	17T51S0608	Belagapu Mounika	30	83%
9	17T51S0609	Penki Akhila	36	100%

Course Coordinator

N.Nee

Avanthi Institute of Pharmaceutical Science:
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Date

: 04-02-2019 to 09-02-2019

No. of Students Enrolled

: 17

Subject

: Global Regulatory Strategies in Pharma

II M. Pharmacy (Pharmaceutics/Pharmaceutical Technology)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	17T51S0301	Bonthu Siva Kumar	36	100%
2	17T51S0302	Bora Karishma	12	0%
3	17T51S0303	Gokavarapu Sharanya	36	100%
4	17T51S0304	Karri Keerthi mounica	36	100%
5	17T51S0305	Karri Sudharani	36	100%
6	17T51S0306	Malla Dhana Aparna Devi	36	100%
7	17T51S0307	Mulampaka Naga Arjuna Gowri	30	83%
8	17T51S0308	Sureddi Rama Lakshmi	36	100%
9	17T51S0309	Theeda Lakhmi Sowjanya	36	100%
10	17T51S0310	Allada Spandana	30	83%
11	17T51S0311	Katari Pavani	36	100%
12	17T51S0312	Marothu Srinivas	24	66%
13	17T51S0313	Talabathula Pavani	36	100%
14	17T51S1101	Daketi Soba Rani	30	83%
15	17T51S1102	Goteti Krishna Sanjeeva Bala Kanthi	36	100%
16	17T51S1103	Palisetti Kusuma Priya	30	83%
17	17T51S1104	Pavankumar Patimalla	30	83%

Course Coordinator

PRINCIPAL

N. Weeline HOD

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Vizianagaram Dt., - 531162

dal CHITTIVALASA S.A.O. Bhogapuram (M), Vizianagaram Dis





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### OF ACHIEVEMENT

This certificate is proudly presented to

# MALLA DHANA APARNA DEVI

Bearing roll no. 17T51S0306 pursuing II M Pharmacy has successfully completed Value added Course on

> "Global regulatory strategies in pharma" held from 04-02-2019 to 09-02-2019

Convener

Principal















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### OF ACHIEVEMENT

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# MALLA DHANA APARNA DEVI

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"Global regulatory strategies in pharma" held from 04-02-2019 to 09-02-2019

V-IlmeSonker Convener

Principal

000











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# CERTIFICATE



This certificate is proudly presented to

# YENUGUTALA SAI BHAGYA LAKSHMI

Bearing roll no. 17T51S0408 pursuing II M Pharmacy has successfully completed Value added Course on

> "Global regulatory strategies in pharma" held from 04-02-2019 to 09-02-2019

Convener

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# KARRI TRIVENI

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Cenvener











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# CERTIFICATE



This certificate is proudly presented to

# KARRI KEERTHIMOUNICA

Bearing roll no. 17T51S0304 pursuing II M Pharmacy has successfully completed Value added Course on

"Global regulatory strategies in pharma"

held from 04-02-2019 to 09-02-2019

V. Ulmerankae Convener

Principal

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# KARRI SUDHARANI

Bearing roll no. 17T51S0305 pursuing II M Pharmacy has successfully completed Value added Course on

"Global regulatory strategies in pharma"

held from 04-02-2019 to 09-02-2019

V Ilmosankae Convener

Principal Principal

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### DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2018-19/09

Date: 25-02-2019

### **CIRCULAR**

This is to inform all the students of I B. Pharmacy that a value-added course will be conducted on the topic "Pharmacy Management and Administration" from 04/03/2019 to 09/03/2019 Interested students are required to sign-up for the above mentioned course with "DR. SARITHA" Professor in the Department of Pharmacy.

**Principal** 

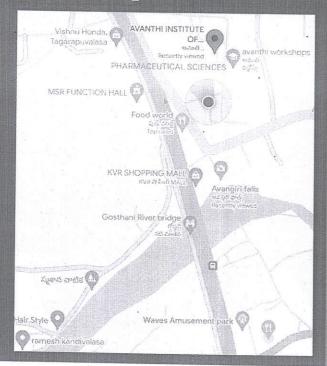
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# Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to 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

Dr. M. Saritha Professor

Vignan Institute of Pharmaceutical Technology



# **Organizing Committee**

Vamsi Krishna Yadav, Assistant Professor

M. Rajeswara Rao, Assistant Professor

M. Venkata Naga Deepika, Assistant Professor

Members

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

6 Days Workshop On

# Pharmacy Management and Administration

04/03/2019 - 09/03/2019

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)

CHERUKUPALI Y (VILLAGE), NEAR TAGARAPUVALASA BRIDGE, BHOGAPURAM(MANDAL), VIZIANAGARAM

Avanthi Institute -53 Ph@maceutical Sciences
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Course Title

ESTD SOM

: Pharmacy Management and Administration

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-19

Course Instructor

: Dr. Saritha, Professor, Vignan Institute of

Pharmaceutical Technology, Duvvada,

Visakhapatnam

Course Coordinator

: Mrs. B. Meher Jyothi, Assistant Professor

Dates

: 04-03-2019 to 09-03-2019

Duration

: 36 hours

Time

: 9:30AM to 4:20PM

Course code

: VAC/B. Pharm/2018/69

### **Objectives:**

- Understand Fundamental Management Concepts
- Analyze Organizational Structures
- Develop Financial Management Skills
- Optimize Human Resources Management
- Ensure Regulatory Compliance
- Enhance Inventory Management Practices
- Prioritize Patient Safety and Quality Improvement
- Strategic Planning for Pharmacy Settings
- Integrate Technology in Pharmacy Management
- Promote Ethics and Professionalism

#### Out comes:

- Efficient Operations
- Financial Sustainability
- Effective Human Resources Management
- Regulatory Compliance
- Inventory Control
- Enhanced Patient Safety and Quality of Care
- Strategic Growth
- Technological Integration
- Ethical and Professional Environment
- Adaptability and Innovation

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### **Syllabus**

### 1. Introduction to Pharmacy Management

- Overview of pharmacy management principles and historical context.
- Importance of effective management in pharmacy settings.

### 2. Organizational Structures in Pharmacy

- Types of pharmacy settings (community, hospital, retail) and their impact on management structures.
- Advantages and disadvantages of different organizational structures.

### 3. Financial Management in Pharmacy

- Principles of financial management in pharmacy operations.
- Budgeting, financial forecasting, and financial analysis in pharmacy.

### 4. Human Resources in Pharmacy

- Staffing models and personnel management in pharmacy settings.
- Employee training, development, and performance evaluation.

### 5. Regulatory Compliance

- Overview of pharmacy laws and regulations.
- Ensuring compliance with regulatory requirements and ethical standards

### 6. Inventory Management and Patient Safety

- Importance of effective inventory control in pharmacy operations.
- Strategies to minimize waste, control costs, and enhance patient safety.

B. Meherjyoll

N-Neetra HOD

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### **TIMETABLE**

### CLASS: I B. PHARMACY

ESTD : 2005

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	77		-		_				
TUE	Management and ninistration		ent and n		Pharmacy Management and Administration	ent and		ent and	Pharmacy Management and Administration
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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	ס		70		-	-		75	
TUE	Pharmacy Management and Administration		Pharmacy Management and Administration		Pharmacy Management and Administration	ent and		ent and	Pharmacy Management and Administration
WED	acy Manageme Administration	Break	acy Manageme Administration	Lunch	acy Manageme Administration	Pharmacy Management Administration	ak	Pharmacy Management Administration	by Manageme dministration
THU	cy Ma dmini	Bra	cy Ma dmini	Lui	cy Ma	cy Ma dmini	Break	y Mar dminis	y Mar dminis
FRI	harma A		harma A		harma	narmac A		narmac A	iarmac A
SAT	Ъ		P		P	P		Id	Pł

Course Coordinator

Avanthi Institute of Pharmaceutical Science:

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Reference Book: "Pharmacy Management: Essentials for All Practice Settings" by Shane P. Desselle, David P. Zgarrick, and Greg L. Alston

S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
1.		04-03-2019	6hrs	Introduction to Pharmacy     Management     Overview of pharmacy     management principles and     historical context.     Importance of effective     management in pharmacy     settings.
2.		05-03-2019	6hrs	2. Organizational Structures in Pharmacy  • Types of pharmacy settings (community, hospital, retail) and their impact on management structures.  • Advantages and disadvantages of different organizational structures.
3.	Week-1	06-03-2019	6hrs	<ul> <li>Financial Management in Pharmacy</li> <li>Principles of financial management in pharmacy operations.</li> <li>Budgeting, financial forecasting, and financial analysis in pharmacy.</li> </ul>
4.		07-03-2019	6hrs	Staffing models and personnel management in pharmacy settings.     Employee training, development, and performance evaluation

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5.	08-03-20	019 6hrs	<ul> <li>5. Regulatory Compliance</li> <li>Overview of pharmacy laws and regulations.</li> <li>Ensuring compliance with regulatory requirements and ethical standards</li> </ul>
6.	09-03-20	019 6hrs	<ul> <li>6. Inventory Management and Patient Safety</li> <li>Importance of effective inventory control in pharmacy operations.</li> <li>Strategies to minimize waste, control costs, and enhance patient safety</li> </ul>

3. yehen jyothi
Course Coordinator

N-Neelina HOD

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



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#### Assessment:

- 1. What is the primary focus of Pharmacy Management and Administration?
  - a. Clinical interventions
  - b. Financial management
  - c. Drug development
  - d. Patient counseling
- 2. Which organizational structure is characterized by a clear hierarchy and centralized decision-making?
  - a. Matrix organization
  - b. Flat organization
  - c. Tall organization
  - d. Network organization
- 3. What is the key goal of financial management in pharmacy operations?
  - a. Maximizing patient satisfaction
  - b. Minimizing employee turnover
  - c. Optimizing resource allocation
  - d. Expanding product offerings
- 4. In the context of human resources in pharmacy, what does effective training contribute to?
  - a. Increased regulatory compliance
  - b. Higher employee turnover
  - c. Improved patient outcomes
  - d. Decreased inventory costs
- 5. Which aspect of pharmacy management is responsible for ensuring adherence to legal requirements?
  - a. Inventory control
  - b. Regulatory compliance
  - c. Financial forecasting
  - d. Patient counseling
- 6. What is the primary purpose of inventory management in pharmacy operations?
  - a. Maximizing profits
  - b. Minimizing waste
  - c. Increasing employee satisfaction
  - d. Enhancing patient safety
- 7. What is a critical consideration in patient safety within pharmacy operations?
  - a. Financial forecasting
  - b. Efficient inventory control
  - c. Regulatory compliance
  - d. Strategic planning

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- What is the purpose of developing strategic plans in pharmacy management?
  - a. Minimizing technology integration
  - b. Reacting to current issues only
  - c. Planning for the future success of the pharmacy
  - d. Focusing solely on financial management
- 9. How does technology integration contribute to pharmacy efficiency?
  - a. Increasing paperwork
  - b. Decreasing communication
  - c. Improving workflow and communication
  - d. Minimizing patient interactions
- 10. What is a fundamental aspect of promoting ethics and professionalism in pharmacy management?
  - a. Ignoring regulatory compliance
  - b. Encouraging dishonesty
  - c. Fostering a culture of integrity and ethical behaviour
  - d. Minimizing employee training

B. yehnjyothi. Course Coordinator

N-Neeline

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Date

ESTD : 2005

: 04-03-2019 to 09-03-2019

No. of Students Enrolled

: 77

Subject

: Pharmacy Management and Administration

I 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 eghana
7	18T51R0007	Chelluboina Prasanna Lakshmi
8	18T51R0008	Dantla Poorna Sai
9	18T51R0009	Dasari Ruchitha Reddy
10	18T51R0010	Dasireddy 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	Gollangi Harika

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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
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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 Shravya
57	18T51R0062	Rajamahendravarapu Surekha
58	18T51R0063	Rana Pramojeeta Pramodkumar
59	18T51R0064	Rayapalli Hema Latha
60	18T51R0065	Rokkala Prasanthi
61	18T51R0066	Rudrakshula Saipreethi
62	18T51R0067	Sagiraju Priyanka
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***		
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

B. Mchenyothi Course Coordinator N Neelina HOD

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

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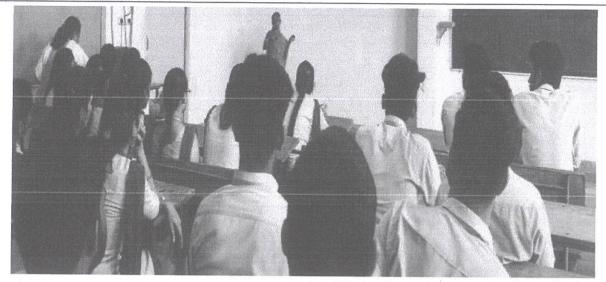
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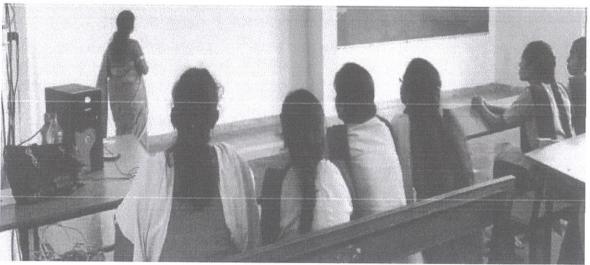
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The students of 1<sup>st</sup>B.Pharm certificate program attending "Pharmacy Management and administration" by Dr. Saritha, Professor, Vignan Institute of Pharmaceutical Technology, Duvvada, Visakhapatnam.

B. Meha jyothi Course Coordinator

N. Neeling

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CHERUKUPALLY (V)

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

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Date

: 04-03-2019 to 09-03-2019

Subject

: Pharmacy Management and Administration

I B. Pharmacy

S. No	Roll No.	Student Name	04/03/19	05/03/19	06/03/19	07/03/19	08/03/19	09/03/19
1	18T51R0001	Asha Pasala	A	A	A	A	A	A
2	18T51R0002	Baddem Bhargavi	V	~	V	V.	V	/
3	18T51R0003	Bantubilli Sukanya	V	~	A	/	~	/
4	18T51R0004	Bammidi Vidyasagar	V	V	V	/	~	/
5	18T51R0005	Biddika Chandini	A	~	V	/	✓	/
6	18T51R0006	Chekuri eghana	V	/	V	/	~	/
7	18T51R0007	Chelluboina Prasanna Lakshmi	V	~	V	/	V	/
8	18T51R0008	Dantla Poorna Sai	V	V	V	/	V	<b>/</b>
9	18T51R0009	Dasari Ruchitha Reddy	V	/	V	/	ν	A
10	18T51R0010	Dasireddy Saisri	V	/	V		V	/
11	18T51R0011	Devisetti Sri Bhavya Viharika	V	A	V	/	V	/
12	18T51R0012	Doddi Sai Madhuri	V	<b>/</b>	~	<b>/</b>	V	V
13	18T51R0014	Eepari Lahari	V	/	/	V	V	$\checkmark$
14	18T51R0015	Gandi Spandana	V	V	V	A	V	/
15	18T51R0016	Ganesh Sri Harsha	V	V	V	V	V	V
16	18T51R0017	Gari Swetha	V		V	/	V	V
17	18T51R0018	Gedala Pullaiah Verma	V	V	V	V	V	/
18	18T51R0020	Gollangi Harika	V	~	V	<b>V</b>	A	<b>/</b>
19	18T51R0021	Gubbala Purna Sai Ganesh	V	A	1	V	V	Δ

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20	18T51R0022	Gulipalli Kalyani	/		~	/	~	
21	18T51R0023	Gullipalli Rohini	<b>✓</b>	/	V	/	A	<b>/</b>
22	18T51R0024	Guruvelli Tejaswi	~		V	/	~	<b>/</b>
23	18T51R0025	J Deepika Rao	1	V	<b>√</b>		$\sim$	A
24	18T51R0026	Jamana Meghana	/	~	V	/	V	
25	18T51R0027	Kalavalapalli Ramani	/	A	<b>√</b>		<b>√</b>	
26	18T51R0028	Kalla Tejasree			V	/	w.	
27	18T51R0029	Kamireddy Himaja	/		/		V	
28	18T51R0030	Karaka Naresh	/	/	V	/	V	/
29	18T51R0031	Kasireddi Ramalakshmi	✓	V	V	/	$\checkmark$	V
30	18T51R0032	Kimidi Niharika	V		V	A	V	/
31	18T51R0033	Korada Prameela	<b>V</b>		V	/	$\checkmark$	/
32	18T51R0034	Kota Neeraja	V		<b>/</b>	/	$\checkmark$	/
33	18T51R0035	Kotipalli Prathap Kumar	V	/	/	/	$\checkmark$	/
34	18T51R0036	Kupireddi Maneesha	$\checkmark$	/	V	/	✓	
35	18T51R0038	Madaka Divya Sai	A	V	/	/	✓	<b>/</b>
36	18T51R0039	Madaka Revathi	$\checkmark$	V	V	<b>\</b>	V	
37	18T51R0040	Makireddy Kusuma	<b>√</b>	V	V	<b>/</b>	V	<b></b>
38	18T51R0041	Maradabudi Joshna	/	V	V	$\checkmark$	V	A
39	18T51R0042	Marpu Durgabhavani	V	/	V	<b>V</b>	V	<b>/</b>
40	18T51R0043	Matha Sunitha	1	V	V	/	V	$\checkmark$
41	18T51R0044	Medapalli Deepthi	V	~	V	*	$\sqrt{}$	$\checkmark$

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42	18T51R0045	Mindi Savithri	V	<b>*</b>	<b>V</b>	V	/	
43	18T51R0046	Modalavalasa Sowmya	V	/	/	V	<b>_</b>	/
44	18T51R0047	Mosuru Praveen Kumar	A	/		/	1	
45	18T51R0048	Mudadla Tarun	/	<b>/</b>	<b>/</b>	/	~	/
46	18T51R0049	Nookala Venkata Lakshmi	V		<b>/</b>	/	✓	
47	18T51R0050	P Sneha	/	<b>V</b>	V	V	<b>V</b>	/
48	18T51R0052	Palli Joshana	/		A		V	<b>/</b>
49	18T51R0054	Pedada Nirosha	A	A	A	A	A	A
50	18T51R0055	Perumalla Meena Kumari	~	/	V	/	~	<b>/</b>
51	18T51R0056	Pilaka Neha	V	/	<b>√</b>	/	V	<u> </u>
52	18T51R0057	Pilla Chandrika Lakshmi	/	/	1	/	V	~
53	18T51R0058	Pinninti Viswateja	V		<b>✓</b>	/	V	/
54	18T51R0059	Pondari Rashmitha	V	~	V	A	V	A
55	18T51R0060	Pontapalli Bharathi	V	/	V	/	V	<b>\</b>
56	18T51R0061	Puppala Shravya	V	A	<b>√</b>	/	V	
57	18T51R0062	Rajamahendravarapu Surekha	V	~	V		1/	
- 58	18T51R0063	Rana Pramojeeta Pramodkumar	V	V	✓	/	V	
59	18T51R0064	Rayapalli Hema Latha	$\checkmark$	/	V	/	V	/
60	18T51R0065	Rokkala Prasanthi	V	/	V	/	V	<b>/</b>
61	18T51R0066	Rudrakshula Saipreethi	V	/	<b>✓</b>		V	/
62	18T51R0067	Sagiraju Priyanka	$\sqrt{}$	1/	ν	<b>/</b>	A	
63	18T51R0068	Sayyad Abdul Ruksana	$\sqrt{}$	A	/	/	V	<b>/</b>

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64	18T51R0069	Seemusiri Usha Ramani	V	/	<b></b>		~	
65	18T51R0070	Siraparapu Sridevi	V	A	<b>√</b>	/	<b></b>	/
66	18T51R0073	Tadi Anita	✓ ·		$\vee$		V	/
67	18T51R0074	Teppala Tirupathi	~		$\vee$		A	/
68	18T51R0075	Turubilli Satish	$\checkmark$	V	$\sqrt{}$	/	<b>V</b>	<b>/</b>
69	18T51R0077	Tuta Teena Mounika	A		<b>√</b>		V	/
70	18T51R0078	Uppati Latha	1	V	<b>V</b>	/	V	$\sqrt{}$
71	18T51R0079	Vallisetti Aravind	V	/	<b>V</b>	/	$\checkmark$	<b>/</b>
72	18T51R0080	Varri Naga Gowthami	~	/	V		V	<b>/</b>
73	18T51R0081	Vataka Praveen	✓	/	<b>√</b>	/	<b>/</b>	
74	18T51R0082	Vemagiri Rajkamal	A	A	A	A	A	A
75	18T51R0083	Yanumula Thrinadh Reddy	✓	/	V	/	V	
76	18T51R0084	Yeddu Iswaryadevi	<b>√</b>	/	<b>√</b>	$\checkmark$	V	V
77	17T51R0075	K Chinna Reddy	V	/	/	$\checkmark$	V	$\triangle$

B. Mehey Tyothin Course Coordinator N. Neolina

Quanthi Institute of Pharmaceutical Science CHERUKUPALLY (V) CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

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Date

ESTD : 2005

: 04-03-2019 to 09-03-2019

No. of Students Enrolled

:77

Subject

: Pharmacy Management and Administration

I B. Pharmacy

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	18T51R0001	Asha Pasala	Alil	0%
2	18T51R0002	Baddem Bhargavi	36	100%
3	18T51R0003	Bantubilli Sukanya	30	831/.
4	18T51R0004	Bammidi Vidyasagar	36	100%
5	18T51R0005	Biddika Chandini	30	83%
6	18T51R0006	Chekuri eghana	36	100%
7	18T51R0007	Chelluboina Prasanna Lakshmi	36	100%
8	18T51R0008	Dantla Poorna Sai	36	100%
9	18T51R0009	Dasari Ruchitha Reddy	30	83%
10	18T51R0010	Dasireddy Saisri	36	100%.
11	18T51R0011	Devisetti Sri Bhavya Viharika	30	83%
12	18T51R0012	Doddi Sai Madhuri	36	100%
13	18T51R0014	Eepari Lahari	36	100%
14	18T51R0015	Gandi Spandana	30	83%
15	18T51R0016	Ganesh Sri Harsha	36	100%
16	18T51R0017	Gari Swetha	36	100%
17	18T51R0018	Gedala Pullaiah Verma	36	160%
18	18T51R0020	Gollangi Harika  PRINC	30	83%

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19	18T51R0021	Gubbala Purna Sai Ganesh	24	66%
20	18T51R0022	Gulipalli Kalyani	36	100%
21	18T51R0023	Gullipalli Rohini	30	83%
22	18T51R0024	Guruvelli Tejaswi	36	166%
23	18T51R0025	J Deepika Rao	30	83%.
24	18T51R0026	Jamana Meghana	36	160%
25	18T51R0027	Kalavalapalli Ramani	30	83 %
26	18T51R0028	Kalla Tejasree	36	100%
27	18T51R0029	Kamireddy Himaja	36	100%
28	18T51R0030	Karaka Naresh	36	160%
29	18T51R0031	Kasireddi Ramalakshmi	36	100%
30	18T51R0032	Kimidi Niharika	30	83%
31	18T51R0033	Korada Prameela	36	100%
32	18T51R0034	Kota Neeraja	36	100%
33	18T51R0035	Kotipalli Prathap Kumar	36	100%
34	18T51R0036	Kupireddi Maneesha	36	100%
35	18T51R0038	Madaka Divya Sai	30	83%
36	18T51R0039	Madaka Revathi	36	100%
37	18T51R0040	Makireddy Kusuma	36	100%
38	18T51R0041	Maradabudi Joshna	30	83%
39	18T51R0042	Marpu Durgabhavani	36	100%.
40	18T51R0043	Matha Sunitha	36	1001/

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				Marine and the second	
41	18T51R0044	Medapalli Deepthi		30	83%
42	18T51R0045	Mindi Savithri		36	100%
43	18T51R0046	Modalavalasa Sowmya		36	100%
44	18T51R0047	Mosuru Praveen Kumar		30	83%.
45	18T51R0048	Mudadla Tarun		36	100%
46	18T51R0049	Nookala Venkata Lakshmi		36	160 %
47	18T51R0050	P Sneha		36	100%
48	18T51R0052	Palli Joshana		30	83%
49	18T51R0054	Pedada Nirosha		Nil	0%
50	18T51R0055	Perumalla Meena Kumari		36	100%
51	18T51R0056	Pilaka Neha		36	100%
52	18T51R0057	Pilla Chandrika Lakshmi		36	100%
53	18T51R0058	Pinninti Viswateja		36	100%
54	18T51R0059	Pondari Rashmitha	-	24	66%
55	18T51R0060	Pontapalli Bharathi		36	160%
56	18T51R0061	Puppala Shravya		30	837,
57	18T51R0062	Rajamahendravarapu Surekha		36	100%
58	18T51R0063	Rana Pramojeeta Pramodkumar		36	100%
59	18T51R0064	Rayapalli Hema Latha	Rayapalli Hema Latha		100%
60	18T51R0065	Rokkala Prasanthi		<u>36</u> 36	160%
61	18T51R0066	Rudrakshula Saipreethi		36	100%
62	18T51R0067	Sagiraju Priyanka		36	83%
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68	18T51R0075	Turubilli Satish	36	100%
69	18T51R0077	Tuta Teena Mounika	30	83%
70	18T51R0078	Uppati Latha	36	100%
71	18T51R0079	Vallisetti Aravind	36	160%
72	18T51R0080	Varri Naga Gowthami	36	160%
73	18T51R0081	Vataka Praveen	36	100%
74	18T51R0082	Vemagiri Rajkamal	Nil	0%
75	18T51R0083	Yanumula Thrinadh Reddy	36	100%
76	18T51R0084	Yeddu Iswaryadevi	36	100%
77	17T51R0075	K Chinna Reddy	30	83%

B. Meha jyoth. Course Coordinator

N-Neeline

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# CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

# YANUMULA THRINADH REDDY

Bearing roll no. **18T51R0083** pursuing **I B Pharmacy** has successfully completed Value added Course on "*PHARMACY MANGEMENT AND ADMINSTRATION*" held from 04-03-2019 to 09-03-2019.

V. Una Sanka CONVENER



PRINCIPALAL

Avanthi Institute of Pharmaceutical Sciences

Cherukupally (V). Bhoganuram Mandal



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# CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

## PUPPALA SHRAVYA

Bearing roll no. 18T51R0061 pursuing I B Pharmacy has successfully completed Value added Course on "PHARMACY MANGEMENT AND ADMINSTRATION" held from 04-03-2019 to 09-03-2019.





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# CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

## PALLI JOSHANA

Bearing roll no. 18T51R0052 pursuing I B Pharmacy has successfully completed Value added Course on "PHARMACY MANGEMENT AND ADMINSTRATION" held from 04-03-2019 to 09-03-2019.



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# CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

P SNEHA

Bearing roll no. 18T51R0050 pursuing I B Pharmacy has successfully completed Value added Course on "PHARMACY MANGEMENT AND ADMINSTRATION" held from 04-03-2019 to 09-03-2019.



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# CERTIFICATE

OF PARTICIPATION

This certificate is presented to:

# NOOKALA VENKATA LAKSHMI

Bearing roll no. 18T51R0049 pursuing I B Pharmacy has successfully completed Value added Course on "PHARMACY MANGEMENT AND ADMINSTRATION" held from 04-03-2019 to 09-03-2019.



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# CERTIFICATE

**OF PARTICIPATION** 

This certificate is presented to:

### **GULLIPALLI ROHINI**

Bearing roll no. **18T51R0023** pursuing **I B Pharmacy** has successfully completed Value added Course on "*PHARMACY MANGEMENT AND ADMINSTRATION*" held from 04-03-2019 to 09-03-2019.

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# CERTIFICATE

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This certificate is presented to:

## GULIPALLI KALYANI

Bearing roll no. **18T51R0022** pursuing **I B Pharmacy** has successfully completed Value added Course on "*PHARMACY MANGEMENT AND ADMINSTRATION*" held from 04-03-2019 to 09-03-2019.

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This certificate is presented to:

## GUBBALA PURNA SAI GANESH

Bearing roll no. **18T51R0021** pursuing **I B Pharmacy** has successfully completed Value added Course on "*PHARMACY MANGEMENT AND ADMINSTRATION*" held from 04-03-2019 to 09-03-2019.

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## CERTIFICATE

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This certificate is presented to:

### GOLLANGI HARIKA

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## CERTIFICATE

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This certificate is presented to:

### DASIREDDY SAISRI

Bearing roll no. **18T51R0010** pursuing **I B Pharmacy** has successfully completed Value added Course on "*PHARMACY MANGEMENT AND ADMINSTRATION*" held from 04-03-2019 to 09-03-2019.

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# CERTIFICATE

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This certificate is presented to:

### DASARI RUCHITHA REDDY

Bearing roll no. **18T51R0009** pursuing **I B Pharmacy** has successfully completed Value added Course on "*PHARMACY MANGEMENT AND ADMINSTRATION*" held from 04-03-2019 to 09-03-2019.

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## CERTIFICATE

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This certificate is presented to:

### DANTLA POORNA SAI

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## CERTIFICATE

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This certificate is presented to:

## CHELLUBOINA PRASANNA LAKSHMI

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## CERTIFICATE

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This certificate is presented to:

### CHEKURI MEGHANA

Bearing roll no. **18T51R0006** pursuing **I B Pharmacy** has successfully completed Value added Course on "*PHARMACY MANGEMENT AND ADMINSTRATION*" held from 04-03-2019 to 09-03-2019.

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### DEPARTMENT OF PHARMACY PRACTICE

Ref no: AIPS/Pharmacy Practice/2018-19/10

Date: 17-09-2018

### **CIRCULAR**

This is to inform all the students of VI Pharm. D that a value-added course will be conducted on the topic "Neutraceuticals and Dietary Supplements" from 24/09/2018 to 29/09/2018 Interested students are required to sign-up for the above mentioned course with "MRS. MEHER JYOTHI" Assistant Professor in the Department of Pharmacy.

Principal

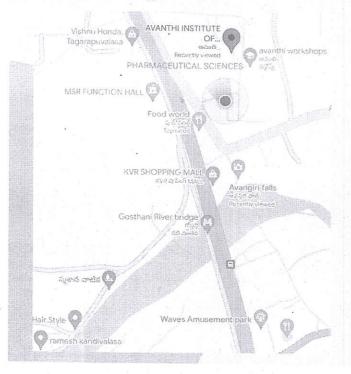
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### Institution

Avanthi Institute of Pharmaceutical Sciences was established in the year 2005 with the approval of PCI, New Delhi and recognized by Government Andhra Pradesh. The Institution is permanently affiliated to 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. Meher Jyothi Assistant Professor

Avanthi Institute of Pharmaceutical Sciences

### **Organizing Committee**

V. H. S. Reddy, Assistant Professor M. Vasu, Assistant Professor K. Bhargav Krishna Raju, Assistant Professor

#### **Members**

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

6 Days Workshop On

### Neutraceuticals and Dietary Supplements

22/04/2019 - 27/04/2019

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, BHOGAPURAM(MANDAL), VIZIANAGARAM -53 PRINCIPAL

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Course Title

: Neutraceuticals and Dietary Supplements

Type of course

: Value Added Course (VAC)

Academic section/semester

: 2018-19

Course instructor

: Mrs. B. Meher Jyothi, Assistant Professor

Course Coordinator

: Dr. D. Subha Sri, Assistant Professor

Dates

: 24-09-2018 to 29-09-2018

Duration

: 36 hours

Time

:9:30AM to 4:20PM

Course code

: VAC/Pharm, D/2018/ 10

#### **Objectives:**

- Understanding Nutraceuticals and Dietary Supplements
- Knowledge of Nutrients and Bioactive Compounds
- Regulatory Framework and Quality Assurance
- Health Benefits and Risks
- Consumer Trends and Market Dynamics
- Formulation and Product Development
- Clinical Applications and Research
- · Communication and Counseling Skills
- Ethical Considerations
- Integration with Lifestyle and Nutrition

#### Out comes:

- Regulatory and Quality Compliance
- Health Benefits and Risks Assessment
- Consumer Awareness and Market Dynamics
- Formulation and Product Development
- Clinical Applications and Evidence-Based Practice
- Communication and Counseling Skills
- Ethical Considerations
- Integration with Lifestyle and Nutrition

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#### **Syllabus**

#### 1. Introduction:

- Introduction to Nutraceuticals and Dietary Supplements
- Historical Development and Evolution
- Classification of Nutraceuticals
- Regulatory Framework and Compliance
- Current Good Manufacturing Practices (cGMP)
- Quality Control and Assurance
- Case Study: Regulatory Challenges

#### 2. Nutrients and Bioactive Compounds:

- Essential Nutrients in Nutraceuticals
- Common Bioactive Compounds
- Sources and Extraction Methods
- Nutrient Interactions and Synergies
- Formulation Principles
- Practical Exercise: Formulating a Nutraceutical Product

#### 3. Health Benefits and Risks Assessment:

- Scientific Basis for Health Benefits
- Clinical Studies and Evidence
- Case Studies: Successful Nutraceutical Interventions
- Risk Assessment and Contraindications
- Safety Considerations
- Panel Discussion: Balancing Benefits and Risks

#### 4. Consumer Trends and Market Dynamics:

- Market Trends and Analysis
- Consumer Behavior and Preferences
- Marketing Strategies for Nutraceuticals
- Economic Factors Influencing the Industry
- Case Study: Launching a New Nutraceutical Product

### 5. Clinical Applications and Evidence-Based Practice:

- Nutraceuticals in Preventive Healthcare
- Therapeutic Applications
- Integrating Nutraceuticals into Clinical Practice
- Research Methodology in Nutraceutical Studies
- Critical Appraisal of Scientific Literature
- Group Project: Designing a Marketutical Intervention Study PRINCIPAL

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#### 6. Communication, Ethics, and Practical Integration

- Communication Skills for Healthcare Professionals
- Ethical Considerations in Nutraceutical Practice
- Case Studies: Ethical Dilemmas
- Practical Integration with Lifestyle and Nutrition

Subha Sri

**Course Coordinator** 

CHERUKUPALLY (V)

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#### 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.
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Subha Sr.
Course Coordinator

Avanthi Institute of Pharmaceutical Sciences
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Bhogapuram (M), Vizianagaram Dist

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Reference Book: Dietary supplements and NutraceuticalsbyDr.Mohib Khan

S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (4hrs)	Topics
1.		12-12-2022	6hrs	<ol> <li>Introduction:         <ul> <li>Introduction to Nutraceuticals and Dietary Supplements</li> <li>Historical Development and Evolution</li> <li>Classification of Nutraceuticals</li> <li>Regulatory Framework and Compliance</li> <li>Current Good Manufacturing Practices (cGMP)</li> <li>Quality Control and Assurance</li> <li>Case Study: Regulatory Challenges</li> </ul> </li> </ol>
2.	Week-1	13-12-2022	6hrs	<ul> <li>2. Nutrients and Bioactive Compounds: <ul> <li>Essential Nutrients in Nutraceuticals</li> <li>Common Bioactive Compounds</li> <li>Sources and Extraction Methods</li> <li>Nutrient Interactions and Synergies</li> <li>Formulation Principles</li> <li>Practical Exercise: Formulating a Nutraceutical Product</li> </ul> </li> </ul>
3.		14-12-2022	6hrs	<ul> <li>3. Health Benefits and Risks         <ul> <li>Assessment:</li> <li>Scientific Basis for Health             Benefits</li> <li>Clinical Studies and Evidence</li> <li>Case Studies: Successful             Nutraceutical Interventions</li> <li>Risk Assessment and             Contraindications</li> </ul> </li> </ul>
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		<ul> <li>Safety Considerations</li> <li>Panel Discussion: Balancing Benefits and Risks</li> </ul>
4.	15-12-2022 6	4. Consumer Trends and Market Dynamics:  • Market Trends and Analysis  • Consumer Behavior and Preferences  • Marketing Strategies for Nutraceuticals  • Economic Factors Influencing the Industry  • Case Study: Launching a New Nutraceutical Product
5.	16-12-2022 6	5. Clinical Applications and Evidence-Based Practice:  Nutraceuticals in Preventive Healthcare  Therapeutic Applications Integrating Nutraceuticals into Clinical Practice Research Methodology in Nutraceutical Studies Critical Appraisal of Scientific Literature Group Project: Designing a Nutraceutical Intervention Study
6.	17-12-2022 6	6. Communication, Ethics, and Practical Integration  Communication Skills for Healthcare Professionals  Ethical Considerations in Nutraceutical Practice  Case Studies: Ethical Dilemmas  Practical Integration with Lifestyle and Nutrition

Subhash Course Coordinator

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V. Llugankar HOD

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Date

:24-09-2018 to 29-09-2018

No. of Students Enrolled

: 33

Subject

: "Neutraceuticals and Dietary Supplements"

VI Pharm. D

S. No	Roll No.	Student Name						
1	13T51T0001	Abhilash Bonu						
2	13T51T0002	Alugolu Venkata Aravind						
3	13T51T0003	Chirugudi Ravi Satya Dheep						
4	13T51T0004	Eppili Bhavani						
5	13T51T0005	G D S Chaitanya						
6	13T51T0006	Gedela Jahnavi						
7	13T51T0007	Parsa Manohar (Spot)						
8	13T51T0008	Lolugu Renuka						
9	13T51T0009	Manthri Govardhani						
10	13T51T0010	N Manisha						
11	13T51T0011	Behara Prathyusha (Spot)						
12	13T51T0012	P Akhil						
13	13T51T0013	Pakki Kausik						
14	13T51T0014	Palika Devi Mounica (Spot)						
15	13T51T0015	Patnala Sujana						
16	13T51T0016	Ravada Sai Harshitha						
17	13T51T0017	Rayavarapu Nalini						
18	13T51T0018	Rongali Devi Nayana Priyanka						
19	13T51T0019	PHARMACIE AND						

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20	13T51T0020	Sai Phani Sahithi Kora				
21	13T51T0021	Sailaja Vangapandu				
22	13T51T0022	Sakhamuri Navya Sri				
23	13T51T0023	Sasumana Rajeswari				
24	13T51T0024	Shaik Safia				
25	13T51T0025	Siriparapu Sneha Latha				
26	13T51T0026	Surisetty Hanisha				
27	13T51T0027	Uppada Divya				
28	13T51T0028	Yalla Sarah				
29	13T51T0029	Pyla Venkata Siva Kanthi Ravali (Spot)				
30	13T51T0030	Ch Jessica Nightingale (Spot)				
31	12T51T0022	Rudraraju Aarthi Raju				
32	16T51T0101	Refath Sultana				
33	16T51T0102	Bhaban Sahu				

Subha Srf Course Coordinator 4, vanthi Institute of Pharmaceutical Sciences
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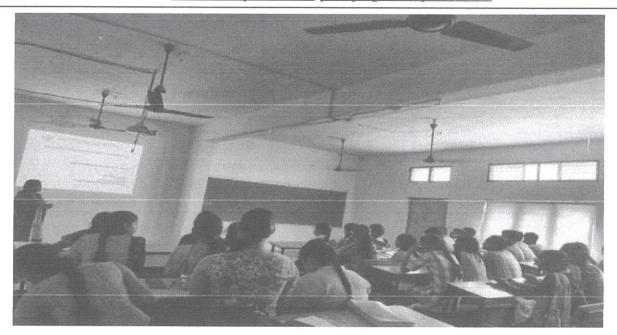
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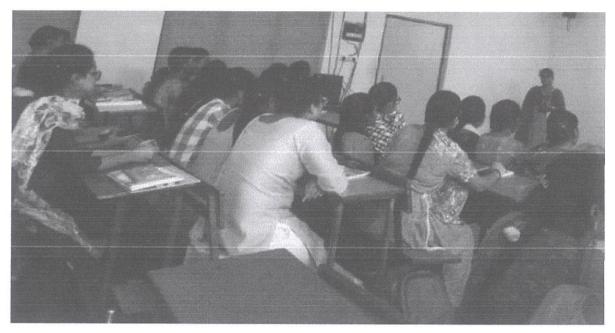
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The students of 6<sup>th</sup> year Pharm D certificate program attending "Neutraceuticals and Dietary Supplements" by the Assistant Professor Mrs. B. Meher Jyothi.

Subha Sn. Course Coordinator

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Date

: 24-09-2018 to 29-09-2018

Subject

: "Neutraceuticals and Dietary Supplements

VI Pharm. D

S. No	Roll No.	Student Name	24/09/18	25/09/18	26/09/18	27/09/18	28/09/18	29/09/18
1	13T51T0001	Abhilash Bonu		V	✓	V	/	V
2	13T51T0002	Alugolu Venkata Aravind	V	V	<b>/</b>	V	/	V
3	13T51T0003	Chirugudi Ravi Satya Dheep	A	~	$\checkmark$	~	/	V
4	13T51T0004	Eppili Bhavani	V	A	<b>~</b>	A	<b>√</b>	A
5	13T51T0005	G D S Chaitanya	V	/	A	V	V	
6	13T51T0006	Gedela Jahnavi	V	/	$\checkmark$	V	✓	/
7	13T51T0007	Parsa Manohar (Spot)	V			V	/	V
8	13T51T0008	Lolugų Renuka	V	V	$\sqrt{}$	/	A	/
9	13T51T0009	Manthri Govardhani	V	V	V	./	V	
10	13T51T0010	N Manisha	V	V	V	1	/	1
11	13T51T0011	Behara Prathyusha (Spot)	A	A	A	4	A	A
12	13T51T0012	P Akhil	~	~	$\checkmark$	V	7	V
13	13T51T0013	Pakki Kausik	V	V	V	1	✓	V
14	13T51T0014	Palika Devi Mounica (Spot)	V	~	V	A	V	~
15	13T51T0015	Patnala Sujana	V	/	V	/	V	V
16	13T51T0016	Ravada Sai Harshitha	V	V	V	· V	V	
17	13T51T0017	Rayavarapu Nalini	\ \ \ \	A	V	~	V	
18	13T51T0018	Rongali Devi Nayana Priyanka	V	~	V	V	V	
19	13T51T0019	Rushi Tarra			/	V	V	/

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20	13T51T0020	Sai PhaniSahithi Kora	1		/	./		
20	1313110020	Sai i namsameni Kora	✓	V	V			
21	13T51T0021	Sailaja Vangapandu			A		V	V
22	13T51T0022	Sakhamuri Navya Sri	V	V	V	/	V	A
23	13T51T0023	Sasumana Rajeswari	<b>√</b>	/	V	V	/	V
24	13T51T0024	Shaik Safia	V	2	V	A	V	V
25	13T51T0025	Siriparapu SnehaLatha	V	/	V	/	V	
26	13T51T0026	Surisetty Hanisha	~	/	V	/	V	V
27	13T51T0027	Uppada Divya	/	V	A	/	V	V
28	13T51T0028	Yalla Sarah	1	/	1	V	V	V
29	13T51T0029	Pyla Venkata Siva Kanthi Ravali (Spot)	V	Δ	V	/	V	V
30	13T51T0030	Ch Jessica Nightingale (Spot)	V	V	V	/	V	
31	12T51T0022	Rudraraju Aarthi Raju	V	/	V	<b>/</b>	✓	V
32	16T51T0101	Refath Sultana	A	/	A	~	A	
33	16T51T0102	Bhaban Sahu	✓	2	V	A	$\sqrt{}$	V

Subhashi

**Course Coordinator** 

V. Uhrusandean.

evanthi Institute of Pharmaceutical Science CHERUKUPALLY (V) CHITTIVALASA S.A.O.

Bhogapuram (M), Vizianagaram Dist

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Date : 24-09-2018 to 29-09-2018

No. of Students Enrolled : 33

Subject : "Neutraceuticals and Dietary Supplements" VI Pharm. D

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	13T51T0001	Abhilash Bonu	36	100%
2	13T51T0002	Alugolu Venkata Aravind	36	100%
3	13T51T0003	Chirugudi Ravi Satya Dheep	30	83%
4	13T51T0004	Eppili Bhavani	18	50%
5	13T51T0005	G D S Chaitanya	30	83%
6	13T51T0006	Gedela Jahnavi	36	100%
7	13T51T0007	Parsa Manohar (Spot)	36	100%
8	13T51T0008	Lolugu Renuka	30	83%
9	13T51T0009	Manthri Govardhani	36	100%
10	13T51T0010	N Manisha	36	100%
11	13T51T0011	Behara Prathyusha (Spot)	12	0%
12	13T51T0012	P Akhil	36	100%
13	13T51T0013	Pakki Kausik	36	100%
14	13T51T0014	Palika Devi Mounica (Spot)	30	83%
15	13T51T0015	Patnala Sujana	36	100%
16	13T51T0016	Ravada Sai Harshitha	36	100%
17	13T51T0017	Rayavarapu Nalini	30	83%
18	13T51T0018	Rongali Devi Nayana Priyanka	36	100%

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19	13T51T0019	Rushi Tarra	36	100%
20	13T51T0020	Sai Phani Sahithi Kora	36	100%
21	13T51T0021	Sailaja Vangapandu	30	83%
22	13T51T0022	Sakhamuri Navya Sri	36	83%
23	13T51T0023	Sasumana Rajeswari	36	100%
24	13T51T0024	Shaik Safia	24	66%
25	13T51T0025	Siriparapu Sneha Latha	36	100%
26	13T51T0026	Surisetty Hanisha	36	100%
27	13T51T0027	Uppada Divya	30	83%
28	13T51T0028	Yalla Sarah	36	100%
29	13T51T0029	Pyla Venkata Siva Kanthi Ravali (Spot)	30	83%
30	13T51T0030	Ch Jessica Nightingale (Spot)	36	100%
31	12T51T0022	Rudraraju Aarthi Raju	36	100%
32	16T51T0101	Refath Sultana	18	50%
33	16T51T0102	Bhaban Sahu	24	66%

Subha sri **Course Coordinator** 

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO

# **EPPILI BHAVANI**

Bearing roll no. 13T51T0002 pursuing **VI Pharm D** has successfully completed Value added Course on "NEUTRACEUTICALS AND DIETARY SUPPLEMENTS" held from 22-04-2019 to 27-04-2019.

V. IlmeSankar.

Convener



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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO

## ALUGOLU VENKATA ARAVIND

Bearing roll no. 13T51T0002 pursuing **VI Pharm D** has successfully completed Value added Course on "NEUTRACEUTICALS AND DIETARY SUPPLEMENTS" held from 22-04-2019 to 27-04-2019.

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO CHIRUGUDI RAVI SATYA DHEEP

Bearing roll no. 13T51T0002 pursuing **VI Pharm D** has successfully completed Value added Course on "NEUTRACEUTICALS AND DIETARY SUPPLEMENTS" held from 22-04-2019 to 27-04-2019.

V. Ilhayankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO GDS CHAITANYA

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V-dlma Saukar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO **GEDELA JAHNAVI** 

Bearing roll no. 13T51T0002 pursuing **VI Pharm D** has successfully completed Value added Course on "NEUTRACEUTICALS AND DIETARY SUPPLEMENTS" held from 22-04-2019 to 27-04-2019.

V. Ilma Sankar

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO

SHAIK SAFIA

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# CERTIFICATE OF PARTICIPATION

THE FOLLOWING CERTIFICATE IS GIVEN TO

## **SURISETTY HANISHA**

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V. Ilmesbanker

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# CERTIFICATE OF PARTICIPATION

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# ALUGOLU VENKATA ARAVIND

Bearing roll no. 13T51T0002 pursuing **VI Pharm D** has successfully completed Value added Course on "NEUTRACEUTICALS AND DIETARY SUPPLEMENTS" held from 22-04-2019 to 27-04-2019.

V-Uma Sankor

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# CERTIFICATE OF PARTICIPATION

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# SIRIPARAPU SNEHA LATHA

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#### DEPARTMENT OF PHARMACY

Ref no: AIPS/Pharmacy/2018-19/II.

Date: 29-04-2019

#### **CIRCULAR**

This is to inform all the students of I M. Pharmacy that a value-added course will be conducted on the topic "Pharmacy Automation and Technology Integration" from 06/05/2019 to 11/05/2019 Interested students are required to sign-up for the above mentioned course with "Ms. D. PURNIMA YADAV" Assistant Professor in the Department of Pharmacy.



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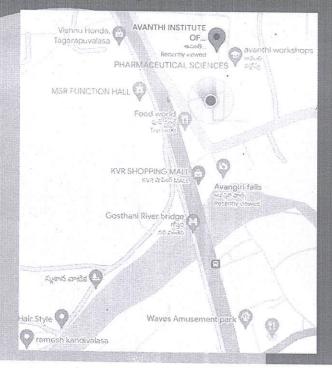
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#### listitution

Availablished in the year 2005 with the approval of FCI. 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**

M. Divya, Assistant Professor L. Divya Sri, Assistant Professor M. Rajeshwara Rao, Assistant Professor

#### Members

All the faculty from the do of Pharmaceutical Science host institute



6 Days Workshop On

Pharmacy Automation and Technology
Integration

06/05/2019 - 11/05/2019

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(MANIST), VIZIANAGARAM

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Course Title : Pharmacy Automation and Technology Integration

Type of course : Value Added Course (VAC)

Academic section/semester : 2018-19

Course Instructor : Ms. D. Purnima Yadav, Associate Professor

Course Coordinator : Mrs. A. H.V. Santoshi, Associate Professor

Dates : 06-05-2019 to 11-05-2019

Duration : 36 hours

Time : 9:30AM to 4:20PM

Course code : VAC/M. Pharm /2018/ []

#### **Objectives:**

Enhanced Patient Safety

• Improved Medication Management

Increased Efficiency

Cost Savings

Compliance with Regulations

• Patient Engagement and Education

• Integration with Electronic Health Records (EHR)

Data Analytics for Decision-Making

#### Out comes:

- Error Reduction
- Increased Patient Satisfaction
- Time Efficiency
- Inventory Optimization
- Enhanced Communication
- Improved Regulatory Compliance
- Cost-effectiveness
- Data-Driven Decision-Making

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#### Syllabus

#### 1. Introduction to Pharmacy Automation

- Overview of Pharmacy Automation Systems
- Historical Perspective and Evolution of Pharmacy Technology
- Importance of Automation in Modern Healthcare

#### 2. Types of Pharmacy Automation Systems

- Automated Dispensing Cabinets (ADCs)
- Robotics in Pharmacy
- Centralized and Decentralized Automation
- Pharmacy Information Systems

#### 3. Medication Dispensing Technologies

- Barcoding and RFID Technology
- Automated Medication Packaging Systems
- Unit Dose Dispensing and Medication Cassettes

#### 4. Inventory Management and Control

- Automated Inventory Systems
- Drug Storage and Retrieval Systems
- Expiry Date Management and Drug Recalls

#### 5. Workflow Optimization

- Process Mapping in Pharmacy
- Workflow Analysis and Redesign
- Human-Machine Interaction

#### 6. Regulatory Compliance and Standards

- Current Good Manufacturing Practice (cGMP)
- Health Insurance Portability and Accountability Act (HIPAA)

FDA Regulations for Pharmacy Automation

A H.v-Sauth Course Coordinator

Avanthi Institute of Pharmaceutical Science

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N. Neelia

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#### **TIMETABLE**

#### CLASS: I M. 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.
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SAT	Pha		Pha		Pha	Pha		Pha	Pha

#### CLASS: 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	and		and		and	and		and	and
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#### CLASS: I M. PHARMACY (Pharmaceutics)

DAY/TIME	9:30- 11:10	11:10- 11:20	11:20 -12:00	12:10 -1:00	1:00- 1:50	1:50- 2:40	2:40- 2.50	2:50 - 3:30	3:30 - 4:20.
MON	and		and		and	and		and	and
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WED	utomation	Break	Automation hnology	unch	Automation thnology	Automation hnology	ak	y Automation echnology	Automation
THU	A	Bro	' 0	Lut	. 0	7 0	Break	. 0	. 0
FRI	Pharmacy		Pharmacy		Pharmacy	Pharmacy Te		rmacy	Pharmacy Te
SAT	Pha		Pha		Pha	Pha		Pharma	Pha

A H.V. Sawthen Course Coordinator

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

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Reference Book: "Pharmacy Automation: An Introduction for Pharmacy Technicians" by David R. Bright

S.NO	No. of. Weeks	Dates	Duration 9:30-4:20 (6hrs)	Topics
1.		06-05-2019	6hrs	Introduction to Pharmacy     Automation     Overview of Pharmacy     Automation Systems     Historical Perspective and     Evolution of Pharmacy     Technology     Importance of Automation in     Modern Healthcare
2.		07-05-2019	6hrs	<ul> <li>2. Types of Pharmacy Automation Systems <ul> <li>Automated Dispensing Cabinets (ADCs)</li> <li>Robotics in Pharmacy</li> <li>Centralized and Decentralized Automation</li> <li>Pharmacy Information Systems</li> </ul> </li> </ul>
3.	Week-1	08-05-2019	6hrs	<ul> <li>3. Medication Dispensing Technologies <ul> <li>Barcoding and RFID Technology</li> <li>Automated Medication <ul> <li>Packaging Systems</li> </ul> </li> <li>Unit Dose Dispensing and <ul> <li>Medication Cassettes</li> </ul> </li> </ul></li></ul>
4.		09-05-2019	6hrs	<ul> <li>4. Inventory Management and Control</li> <li>Automated Inventory Systems</li> <li>Drug Storage and Retrieval Systems</li> <li>Expiry Date Management and Drug Recalls</li> </ul>

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#### AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES

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5.	10-05-2019	6hrs	<ul> <li>Workflow Optimization</li> <li>Process Mapping in Pharmacy</li> <li>Workflow Analysis and Redesign</li> <li>Human-Machine Interaction</li> </ul>
6.	11-05-2019	6hrs	<ul> <li>6. Regulatory Compliance and Standards</li> <li>Current Good Manufacturing Practice (cGMP)</li> <li>Health Insurance Portability and Accountability Act (HIPAA)</li> <li>FDA Regulations for Pharmacy Automation</li> </ul>

Affillantista Course Coordinator N. Neelvie HOD

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

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Cherukupally (V), Bhogapuram Mandal

Vizianagaram Dt., - 531162

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#### Assessment:

- 1. What is the primary goal of implementing pharmacy automation?
  - a. Increasing manual workload
  - b. Reducing patient safety
  - c. Improving efficiency and accuracy
  - d. Minimizing the use of technology
- 2. Which technology is commonly used for tracking and identifying medications in pharmacy automation systems?
  - a. GPS technology
  - b. Barcoding and RFID technology
  - c. Voice recognition
  - d. Magnetic stripe technology
- 3. What does ADC stand for in the context of pharmacy automation?
  - a. Automated Drug Control
  - b. Advanced Dispensing Cabinet
  - c. Automated Dispensing Center
  - d. Automatic Drug Cart
- 4. What is a key advantage of using automated medication packaging systems in pharmacy?
  - a. Increased risk of medication errors
  - b. Slower dispensing process
  - c. Improved medication safety and labeling
  - d. Reduced need for pharmacist oversight
- 5. What regulatory standard is crucial for ensuring the confidentiality of patient information in pharmacy automation?
  - a. Food and Drug Administration (FDA)
  - b. Health Insurance Portability and Accountability Act (HIPAA)
  - c. Current Good Manufacturing Practice (cGMP)
  - d. Drug Enforcement Administration (DEA)
- 6. Which technology enables the exchange of information between pharmacy systems and electronic health records (EHR)?
  - a. Block chain
  - b. Artificial Intelligence
  - c. Tele pharmacy
  - d. Interoperability
- 7. What is a critical consideration in the design of pharmacy workflows when implementing automation?
  - a. Reducing the role of human staff
  - b. Increasing complexity for challenge
  - c. Workflow analysis and redesign

d. Elimination of technolog

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- 8. In the context of pharmacy automation, what does EHR stand for?
  - a. Efficient Healthcare Records
  - b. Electronic Health Records
  - c. Essential Health Regulations
  - d. Enhanced Human Resources
- 9. What emerging technology is transforming pharmacy practice by allowing remote medication dispensing?
  - a. Virtual Reality
  - b. Artificial Intelligence
  - c. Tele pharmacy
  - d. Augmented Reality
- 10. Why is continuous quality assurance essential in pharmacy automation?
  - a. To increase medication errors
  - b. To reduce patient safety
  - c. To ensure accuracy and safety

d. To minimize the use of technology

**Course Coordinator** 

AMN Sauthen.

N. Neelie HOD

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Date

:06-05-2019 to 11-05-2019

No. of Students Enrolled

: 48

Subject

: Pharmacy Automation and Technology Integration

I M. Pharmacy

S. No	Roll No.	Student Name
1	18T51S1601	Adari Prasanna
2	18T51S1602	Ashok Singh Chauhan
3	18T51S1603	Bolem Vema Lakshmi
4	18T51S1604	Dabbiru Kishore Kumar Patnaik
5	18T51S1605	Divya Garbhana
6	18T51S1606	Gasya Regena Angel
7	18T51S1607	Kalepu Sravan Kumar
8	18T51S1608	Kottada Aruna Kumar
9	18T51S1609	Ommi Swathi
10	18T51S1610	Pamula Swathanthrababu
11	18T51S1611	Potta Srinivasu
12	18T51S1612	Purri Yalli Sowjanya
13	18T51S1613	Tiwari Anshul
14	18T51S1614	Vangalapudi Revathi
15	18T51S1615	Vinay Kumar Nema

Course Coordinator

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I M. Pharmacy (Pharmacology)

S. No	Roll No. Student Name		
1	18T51S0601	Akula Padmavathi	
2	18T51S0602	Gatreddy Venila Priya	
3	18T51S0603	P Divya	
4	18T51S0604	Satish Reddy Nadiminti	
5	18T51S0605	P Vishwanath Reddy	

A HN Sauthon.
Course Coordinator

N. Neelie HOD

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Subject

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I M. Pharmacy (Pharmaceutics)

S. No	Roll No.	Student Name
1	18T51S0301	Akshay Kumar Galav
2	18T51S0302	Behara Jhansi
3	18T51S0303	BosaDhamodhini
4	18T51S0304	Chintapalli Syamala Lakshmi
5	18T51S0305	Chukka Bhargavı
6	18T51S0306	Dandu Venkata Dilip Vamsi Raju
7	18T51S0307	Devyani Jain
8	18T51S0308	Golagana Neerajavani
9	18T51S0309	Indranil Mukherjee
10	18T51S0310	Kakani Sai Madhuri
11	18T51S0311	Kovvada Aparna
12	18T51S0312	Malkapalli Nagendra Kumar
13	18T51S0313	Narayanarao Boddu
14	18T51S0314	Padala Madhu Sudhana Rao
15	18T51S0315	PakalapatiMohanaManasa
16	18T51S0316	Patnana Manisha
17	18T51S0317	Pediredla Lalitha
18	18T51S03 SEF PHARMACE	Penugurthi Monisha Roja  PRINCIPAL  A contribute of Dharmacoutical Sciences

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19	18T51S0319	Pinninti Aruna
20	18T51S0320	Sahukara Pavan Sai
21	18T51S0321	Sanjeeb Kumar Swain
22	18T51S0322	Talabattula Bharath Kumar
23	18T51S0323	Tirumlareddy Lakshmi Sirisha
24	18T51S0324	Vanam Vara Lakshmi
25	18T51S0325	Varada Padmvathi
26	18T51S0326	Yadla Dilleswari
27	18T51S0327	Yalamanchil Lakshmii Priyanka
28	18T51S0328	Yellabilli Likitha

A H.V. Sautlon, Course Coordinator

N. Neelie HOD

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The students of 2<sup>nd</sup> year PharmD certificate program attending "Pharmacy Automation And Technology Integration" by Ms. D. Purnima Yadav, Associate Professor.

Course Coordinator

N. Neelina HOD

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S. No	Roll No.	Student Name	06/05/19	07/05/19	08/05/19	09/05/19	10/05/19	11/05/19
1	18T51S0301	Akshay Kumar Galav	~	V	~	/	V	1
2	18T51S0302	Behara Jhansi	~	V	<b>V</b>	A		
3	18T51S0303	Bosa Dhamodhini	V	V	<b>/</b>	V	A	~
4	18T51S0304	Chintapalli Syamala Lakshmi	~	V	V	V	V	V
5	18T51S0305	Chukka Bhargavi	~	V	V	V	0	V
6	18T51S0306	DanduVenkata DilipVamsi Raju	~	A	V	V		/
7	18T51S0307	Devyani Jain	~	V	A	V	/	V
8	18T51S0308	Golagana Neerajavani	V	V	V	V		A
9	18T51S0309	Indranil Mukherjee	~	V	V	V		/
10	18T51S0310	Kakani Sai Madhuri	A	✓	V	K	V	V
11	18T51S0311	Kovvada Aparna	√	V	V	V	~	√ ·
12	18T51S0312	Malkapalli Nagendra Kumar	V	V	V	V	A	V
13	18T51S0313	Narayanarao Boddu	A	V	A	V	~	V
14	18T51S0314	Padala Madhu Sudhana Rao	V	V	V	V	/	V
15	18T51S0315	Pakalapati Mohana Manasa	V	V	V	/	V	/
16	18T51S0316	Patnana Manisha	V	V	V	V	V	<b>/</b>
17	18T51S0317	Pediredla Lalitha	V	V	0	<b>V</b>	/	A
18	18T51S0318	Penugurthi Monisha Roja	V	$\checkmark$	V	V	~	~

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19	18T51S0319	Pinninti Aruna	✓	V	V	/		
20	18T51S0320	Sahukara Pavan Sai	V	V	/	/	A	V
21	18T51S0321	Sanjeeb Kumar Swain	~	~	V	/	V	V
22	18T51S0322	Talabattula Bharath Kumar	A	~	V	V		/
23	18T51S0323	Tirumlareddy Lakshmi Sirisha	V	V	<b>/</b>	V	V	V
24	18T51S0324	VanamVara Lakshmi	A	A	A	A	A	A
25	18T51S0325	Varada Padmvathi	V	V	V	V	~	~
26	18T51S0326	Yadla Dilleswari	N		V 1		~	~
27	18T51S0327	Yalamanchil Lakshmii Priyanka		<b>√</b> .	A	V	V	V
28	18T51S0328	Yellabilli Likitha	V	4	<b>V</b>	V	V	V

A.H.V. Santhur. Course Coordinator

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1	18T51S0601	Akula Padmavathi	V	<b>~</b>	/	/	/	/
2	18T51S0602	Gatreddy VenilaPriya	. 🗸	V	/	/	,~	/
3	18T51S0603	P Divya	V	V	/	A	V	·
4	18T51S0604	Satish Reddy Nadiminti	A	A	A	A	A	A
5	18T51S0605	P Vishwanath Reddy	~	<b>/</b>		1	<b>~</b>	A

AH.V. Sauth. **Course Coordinator** 

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1	18T51S1601	Adari Prasanna	<b>/</b>	/	/	<b>V</b>		/
2	18T51S1602	Ashok Singh Chauhan	A	A	Δ	A	Α	A
3	18T51S1603	Bolem Vema Lakshmi	✓	V	/	<b>✓</b>		~
4	18T51S1604	Dabbiru Kishore Kumar Patnaik	V	<b>√</b>	/	V	/	<b>√</b>
5	18T51S1605	Divya Garbhana	V	V		~		<b>\</b>
6	18T51S1606	Gasya Regena Angel	V	V		<b>✓</b>	<b>/</b>	<b>√</b>
7	18T51S1607	Kalepu Sravan Kumar	A	A	A	A	A	A
8	18T51S1608	Kottada Aruna Kumar	V	V		<b>/</b>		<b>/</b>
9	18T51S1609	Ommi Swathi	V	V		V	/	/
10	18T51S1610	Pamula Swathanthrababu	V	V		~		V
11	18T51S1611	Potta Srinivasu	V	1	A	V		<b>√</b>
12	18T51S1612	Purri Yalli Sowjanya	V	✓	~	V		V
13	18T51S1613	Tiwari Anshul	V	1		V	/	V
14	18T51S1614	Vangalapudi Revathi	V	✓		V	A	V
15	18T51S1615	Vinay Kumar Nema	V	$\checkmark$	~	V		V

**Course Coordinator** 

N. Neelina

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No. of Students Enrolled

: 15

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I M. Pharmacy

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	18T51S1601	Adari Prasanna	36	100%
2	18T51S1602	Ashok Singh Chauhan	130	0%
3	18T51S1603	BolemVema Lakshmi	36	100%
4	18T51S1604	Dabbiru Kishore Kumar Patnaik	36	100%
5	18T51S1605	Divya Garbhana	36	100%
6	18T51S1606	Gasya Regena Angel	36	100%
7	18T51S1607	Kalepu Sravan Kumar	ns 1	0%
8	18T51S1608	Kottada Aruna Kumar	36	100%
9	18T51S1609	Ommi Swathi	36	100%
10	18T51S1610	Pamula Swathanthrababu	36	100%
11	18T51S1611	Potta Srinivasu	30	83%
12	18T51S1612	Purri Yalli Sowjanya	36	100%
13	18T51S1613	Tiwari Anshul	36	100%
14	18T51S1614	Vangalapudi Revathi	30	83%
15	18T51S1615	Vinay Kumar Nema	36	100%

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3	18T51S0603	P Divya	30	83%
4	18T51S0604	Satish Reddy Nadiminti	120	0%
5	18T51S0605	P Vishwanath Reddy	30	83%

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Course Coordinator

N-Neeline HOD

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Date

: 06-05-2019 to 11-05-2019

No. of Students Enrolled

: 28

Subject

: Pharmacy Automation and Technology Integration

I M. Pharmacy (Pharmaceutics)

S. No	Roll No.	Student Name	No. of classes attended	% of classes attended
1	18T51S0301	Akshay Kumar Galav	36	100%
2	18T51S0302	Behara Jhansi	30	83%
3	18T51S0303	BosaDhamodhini	30	83%
4	18T51S0304	Chintapalli Syamala Lakshmi	30	83%
5	18T51S0305	Chukka Bhargavi	36	100%
6	18T51S0306	Dandu Venkata Dilip Vamsi Raju	30	83%
7	18T51S0307	Devyani Jain	30	83%
8	18T51S0308	Golagana Neerajavani	30	83%
9	18T51S0309	Indranil Mukherjee	36	100%
10	18T51S0310	Kakani Sai Madhuri	30	83%
11	18T51S0311	Kovvada Aparna	36	100%
12	18T51S0312	Malkapalli Nagendra Kumar	30	83%
13	18T51S0313	Narayanarao Boddu	24	66%
14	18T51S0314	Padala Madhu Sudhana Rao	36	100%
15	18T51S0315	PakalapatiMohanaManasa	36	100%
16	18T51S0316	Patnana Manisha	36	100%
17	18T51S0317	Pediredla Latitha	30	83%

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18	18T51S0318	Penugurthi Monisha Roja	36	100%
19	18T51S0319	Pinninti Aruna	36	100%
20	18T51S0320	Sahukara Pavan Sai	30	83%
21	18T51S0321	Sanjeeb Kumar Swain	36	100%
22	18T51S0322	Talabattula Bharath Kumar	30	83%
23	18T51S0323	Tirumlareddy Lakshmi Sirisha	36	100%
24	18T51S0324	Vanam Vara Lakshmi	120	0%
25	18T51S0325	Varada Padmvathi	36	100%
26	18T51S0326	Yadla Dilleswari	36	100%
27	18T51S0327	Yalamanchil Lakshmii Priyanka	30	83%
28	18T51S0328	Yellabilli Likitha	36	100%

A H.V-Sawton Course Coordinator N. Weelie HOD

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THE FOLLOWING CERTIFICATE IS GIVEN TO PVISHWANATH REDDY

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