



Kommareddy Venkata Sadasiva Rao Siddhartha College of Pharmaceutical Sciences

Siddhartha Nagar, Vijayawada - 520010, AP, INDIA

(Sponsors : Siddhartha Academy of General & Technical Education)

ISO 9001:2015, ISO14001:2015 & ISO50001:2011 CERTIFIED INSTITUTION

Affiliated to Krishna University, Machilipatnam

Approved by AICTE, PCI, New Delhi and Govt. of Andhra Pradesh

E-mail : kvrsiddharthapharma@gmail.com

Web: www.kvrsiddharthapharma.edu.in

LIST OF CERTIFICATE/ ADD-ON PROGRAMS

A.Y 2020-21

S.No	Name of Certificate / Add-on programs offered	Course Code	Dates
1	Certificate Program on "Pharmacovigilance Methods"	20-21 / PHP - PHV	01-07-2021 to 17-07-2021
2	Skill Development Program on "Instrumentation Analysis-Bridge Between Theory and Practical Knowledge"	20-21 / PHA - IAB	28-01-2021 to 15-02-2021
3	Skill Development Program on "Emerging Trends in the Development of NDDS"	20-21 / PBT - EDN	13-12-2020 to 23-12-2020
4	Skill Development Program on "Approaches to Therapeutics during COVID Period"	20-21 / PCL - ATC	07-12-2020 to 23-12-2020
5	Skill Oriented Program on "Modern Applications of Pharmacognosy"	20-21 / PCG - MAP	09-07-2020 to 30-07-2020



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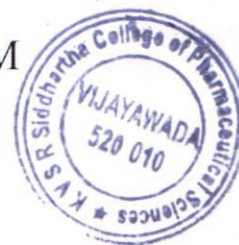
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PHARMACEUTICAL SCIENCES
VIJAYAWADA-520 010

KVSR SIDDHARTHA COLLEGE OF PHARMACEUTICAL SCIENCES

POLYCLINIC ROAD, SIDDHARTHA NAGAR, VIJAYAWADA,
ANDHRA PRADESH, INDIA-520010



REPORT
CERTIFICATE PROGRAM
On



PHARMACOVIGILANCE METHODS

DATES: 1st July 2021 to 17th July 2021

Principal
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ORGANIZED BY: DEPARTMENT OF PHARMACY PRACTICE

20-21 ①

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POLYCLINIC ROAD, SIDDHARTHA NAGAR, VIJAYAWADA,
ANDHRAPRADESH, INDIA-520010



Certificate Programme on
“PHARMACOVIGILANCE METHODS”
Organized by Dept.of Pharmacy Practice

Name of the certificate program Conducted :	Certificate Program on “Pharmacovigilance Method”
Name of the Program Coordinator :	Dr.G.VijayaKumar,HOD&Professor, Department Pharmacy Practice and Pharmacology
Resource Persons :	Dr.Satheesh Gottipati Academic Dean at Vignan Pharmacy College. Dr. Mahima Swaroopa KVSRSCOPS
No.Of Students enrolled :	120
Date of commencement of classes :	01//07/2021
Date of ending of the program :	17/07/2021
No.Of classes conducted :	15
Overall participation of the students :	Satisfactory
Overall feed-back of the students :	Good



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/s/

PROGRAM REPORT

Name of the event: Certificate Programme on "Pharmacovigilance Methods".

Dates: 01/07/2021 to 17/07/2021

Resource persons:

Dr. Satheesh S Gottipati,
Associate Professor,
Academic Dean, Department of Pharmacy Practice,
Vignan Pharmacy College, Vadlamudi.
Email id: Satheesh.gottipati@gmail.com
Contact number: 8555044569

Dr. Mahima Swaroopa,
Assistant Professor, Department of Pharmacy Practice,
KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada
E-mail id: mandavamahima12@gmail.com.
Contact number: 7416211109

Name of the coordinator: Dr. G. Vijaya Kumar

Organizing Secretary: Dr. A. Lakshmi Pavani

Number of students attended: 120

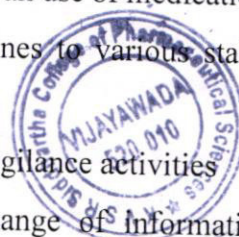
Venue: KVSrSCOPS Seminar Hall (A/C)

Objective of the program:

- To create a nationwide system for patient safety reporting.
- To identify and analyze the new signal (ADR) from reported cases.
- To analyze the Benefit-risk ratio of marketed medications
- To generate the evidence based information on safety of medicines
- To support regulatory agencies in decision making process can use of medications
- To communicate the safety information on use of medicines to various stake holders to minimize the risk
- To emerge as a national centre of excellence for Pharmacovigilance activities
- To collaborate with other national centers for the exchange of information and data management.

Topics covered:

- Background & Introduction of Pharmacovigilance
- Aims of Pharmacovigilance
- Pharmacovigilance - Indian Perspective
- National Pharmacovigilance Programme & Methods of PV.
- Introduction of Adverse Drug Reactions



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- General Terms used in describing an Adverse Drug Reactions
- Classifications of Adverse Drug Reactions
- Seriousness, severity and magnitude of Adverse drug reactions
- Predisposing factors for adverse drug reactions.
- Procedure for Reporting Adverse drug reactions
- Methods for Assessment of ADRs
- Role of Pharmacist in Detection, Assessment and Reporting of Adverse drug reactions
- Benefits of Reporting Adverse drug reactions.

Outcomes of the program:

Upon completion of this Programme, students will expertise in the following:

- What is Pharmacovigilance and its Methods
- Seriousness of Drug related problems
- Procedure for Reporting ADRs
- Assessment and reporting of ADRs by using various scales.
- Pharmacist role in ADRs and other drug related problems in patient care and drug safety


Organizing Secretary

Smt. A Lakshmi Pavani


Coordinator, HOD

Dr.G.Vijaya Kumar





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VIJAYAWADA-520010

CERTIFICATE PROGRAMME ON "PHARMACOVIGILANCE METHODS"

Dates: 1st July 2021 to 17th July 2021

Batch: Y19 PHARM D

Duration: 30 hrs

NUMBER OF REGISTERED STUDENTS

S.NO	NAME OF THE STUDENT	COURSE	SIGNATURE
1	Gudivada Harshini	Pharm D	Harshini
2	Akula Jyothirmai	"	Jyothirmai
3	Badiginti Geethika	"	Geethika
4	Balireddy Sai Sutej	"	Sutej
5	Chagantipati Chandu Mahesh	"	Mahesh
6	Cheekati Sathwika	"	Sathwika
7	Cheruvu Jahnvi Sri Shanmukhi	"	Jahnvi
8	Fathima Shaik Shamshuddin Khaja	"	Fathima
9	Gunthapalli Vamsi	"	Vamsi
10	Jafar Sadiq Shaik	"	Sadiq
11	Jaswanth Kumar Kanchu	"	Kanchu
12	Kalaga Bandhavi Datta	"	Bandhavi
13	Karumuru Seetha Reddy	Pharm D	Seetha
14	Kodali Ravi Teja	"	Teja
15	Komati Devi Sai Krishna	"	Devi Sai Krishna
16	Kommi Vamsi Krishna	"	Vamsi
17	Kukkapalli Sravya	Pharm D	Sravya
18	Mounika Mandadi	"	Mandadi
19	Nathala Durga Praveen	"	Praveen
20	Pokala Gayathri Naga Sravanthi	Pharm D	Sravanthi
21	Ramavathu Siva Naik	"	Siva Naik
22	Roop Sai Teja Karna	"	Roop Sai Teja
23	Sai Pallavi Tata	"	Pallavi
24	Sigireddy Bhargav	"	Bhargav
25	Tunga Boni Kapoor	"	Boni Kapoor
26	Vemareddy Giridhar Raju	"	Giridhar Raju
27	Yerriboina Sai Praveena	"	Praveena
28	Zenith Dasari P	"	Zenith



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CERTIFICATE PROGRAMME ON "PHARMACOVIGILANCE METHODS"

Dates: 1st July 2021 to 17th July 2021

Batch: Y17 PHARM D

Duration: 30 hrs

NUMBER OF REGISTERED STUDENTS

S.NO	NAME OF THE STUDENT	COURSE	SIGNATURE
1	Aluru Yasaswi Chowdary	Pharm D	A. Yasaswi
2	Aniseti Sai Manikanta	Pharm D	A. Sai Manikanta
3	Banavathu Ramyasri	Pharm D	Ramyasri
4	Chinta Rekha Chandini	Pharm D	Chinta Rekha
5	Dokku Srinija	Pharm D	Srinija
6	Jalibili Vinathi	Pharm D	Vinathi
7	Kamepalli Sahithi	Pharm D	K. Sahithi
8	Karukuri Suvarna	Pharm D	Suvarna
9	Kelam Himasri	Pharm D	K. Himasri
10	Konatham Kavya Sree	Pharm D	K. Kavya Sree
11	Koraganji Yamini	Pharm D	K. Bhavana
12	Kumara Bhavana	Pharm D	K. Bhavana
13	Kundurthi Surendra	Pharm D	Surendra
14	Kurapati Jaahnavi Lakshmi Akhila	Pharm D	Akhila
15	Medepudi Pravallika	Pharm D	M. Pravallika
16	Naga Sai Satya Sree Rechamalla	Pharm D	Satya Sree
17	Naga Velangani Sai Sree Rachamalla	Pharm D	Satya Sree
18	Noonsavath Prameela Devi Bai	Pharm D	Prameela
19	Preethi Putti	Pharm D	Preethi P.
20	Sai Ashok Kumar Domasani	Pharm D	Ashok Kumar
21	Shaik Fathima	Pharm D	Sh. Fathima
22	Sindhura Kumpati	Pharm D	Sindhura
23	Sravani Thommandru	Pharm D	Sravani
24	Thanikonda Venkata Rao	Pharm D	T. Venkata Rao
25	Thota Hema Latha Sri	Pharm D	T. Hema Latha Sri
26	Tumpala Sujana	Pharm D	T. Sujana
27	Uddanti Tejasri	Pharm D	U. Tejasri



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CERTIFICATE PROGRAMME ON "PHARMACOVIGILANCE METHODS"

Dates: 1st July 2021 to 17th July 2021

Batch: Y16 PHARM D

Duration: 30 hrs

NUMBER OF REGISTERED STUDENTS

S.NO	NAME OF THE STUDENT	COURSE	SIGNATURE
1	AKULA VIJAYA DURGA	Pharm D	
2	ATLURI DEEKSHIT	CL	
3	BALA YASWANTH KUMAR SUNNAPU	CL	
4	BANTUPALLI SURANJAN		
5	BATTU DEEPTHI NIHARIKA	Pharm D	
6	CHIRUMAMILLA HARICHANDANA	CL	
7	DEVIREDDY SAMYUKTHA REDDY	CL	
8	DONDAPATI RAJ KUMAR	CL	
9	GUNTUR S N SUSRITHA	CL	
10	GUTHA BALAJI TEJA	CL	
11	J RISHMA SAI ANJANI PRANEETHA	CL	
12	KAKUMANU BALAJI VINOD	CL	
13	KALAKOTI SRIJA	CL	
14	KASARANENI HIMASRI	CL	
15	LEELA SHARMILA	CL	
16	MANTHRI SAI SINDHURA	CL	
17	MEDAVARAPU ESWARI VIDYA LAKSHMI	CL	
18	MOTUPALLI SANKEERTH KUMAR	CL	
19	MOVVA SAI DURGA SUSHMA	CL	
20	PODILI BHARGHAVI	Pharm D	
21	POLIMETLA HARI PRIYA	CL	
22	PONNALURI LALITHA	CL	
23	RAAVI HEMANTH	CL	
24	RACHANA PALETI	CL	
25	REDRAVUTHU KAVYA	Pharm D	
26	REDRAVUTHU SAI TEJ	CL	
27	SEELAM VICTOR JOHN WILSON	CL	
28	SHAIK SHAISTA FARZANA ANJUM	CL	
29	V N S L KEERTHANA ALA	CL	
30	Mallavarapu Praveen Kumar	CL	
31	Saka Priyanka	CL	
32	Sarva Naga Sai Sruthi	CL	
33	Tirumalasetty Lilly Pushpa	CL	



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CERTIFICATE PROGRAMME ON "PHARMACOVIGILANCE METHODS"

Dates: 1st July 2021 to 17th July 2021

Batch: Y15PHARM D

Duration: 30 hrs

NUMBER OF REGISTERED STUDENTS

S.NO	NAME OF THE STUDENT	COURSE	SIGNATURE
1	LAVU VAMSI KRISHNA	PharmD	Vamsi Krishna
2	BANDARUPALLI RAMYA	U	B. Ramya
3	BOLLA REVATHI	U	Revathi
4	CHINTHALAPUDI MANOHAR	U	Manohar
5	GAJJALA DHAMINI REDDY	U	Dhamini Reddy
6	GAJULA PAVAN SAI	U	Pavan Sai
7	GINNI NAGA PUSHPA LATHA	U	Ginni Naga Pushpa Latha
8	GOLLAPUDI YAMINI	U	G. Yamini
9	JALDI HEMANTH	PharmD	Hemant
10	KAMBHAM SRI LEKHYA CHOWDARY	U	Sri Lekhya Chowdary
11	KANAMARLAPUDI KEERTHI	U	Keerthi
12	KASARANENI BHAVANA	U	L. Bhavana
13	KODALI TANVIJA SAI	U	K. Tanvi S
14	KONDRU NAGA AKHILA BHUVANESWARI	U	K. Naga Akhila Bhuvaneshwari
15	KOPPULA SIRISHA	PharmD	Sirisha
16	MADALA BHAVITHA	U	Bhavitha
17	MADALA CHANDANA	U	Chandana
18	MANORANJITHA PULIVARTHI	U	Manoranjitha
19	MATHANGI SILVYA	U	Silvy
20	MELIKE SRAVANI	U	Mounica
21	MUTHOJU MOUNICA	U	M. SRAVANI
22	NAGA PRAJWALA TATA	U	T. Naga Prajwala
23	PALADUGU LAHARI	PharmD	Lahari
24	PASUPULETI JAIRAM NAIDU	U	Naidu
25	RAJAGIRI TRIVENI	U	Triveni
26	SIGINAM DHARANI SIVA PRIYA	U	Swapna
27	TOLETI VENKATA NAGA VYSHNAVI THEJASWI	U	Vyshnavi
28	UPPALAPATI HIMABINDU	U	Himabindu
29	UPPALAPATI SIREESHA	U	Sireesha
30	K SRAVANI	U	Sravani
31	NUNNA MANI JYOTHI	U	Jyoti
32	SOMISETTY JAHNAVI	U	Jahnavi



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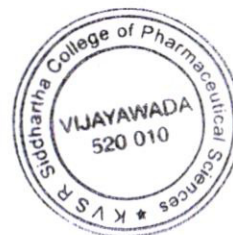


CERIFICATE OF PARTICIPATION

This is to certify that,BANTUPALLI SURANJAN.....of.....KVS R SCOPS..... has participated in certificate programme on "**PHARMACOVIGILANCE METHODS**" from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVS R Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr. G. Vijaya Kumar
Co-Ordinator

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Dr. G. Devala Rao
Principal



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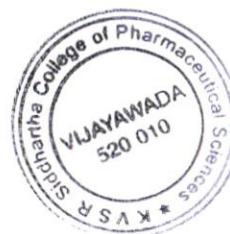


CERTIFICATE OF PARTICIPATION

This is to certify that, **.CHINTA BEKHA CHANDINI.....** of **.....K.V.S.R. SCOPS.....** has participated in certificate programme on **"PHARMACOVIGILANCE METHODS"** from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSr Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr. G. Vijaya Kumar
Co-Ordinator

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Dr. G. Devala Rao
Principal



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This is to certify that, ...ANISETTI.SAI.MANIKANTA.....of.....K.V.S.R.S.C.O.P.S..... has participated in certificate programme on "**PHARMACOVIGILANCE METHODS**" from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSr Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr.G.Vijaya Kumar
Co-Ordinator

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Dr.G.Devala Rao
Principal



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This is to certify that, ALURU YASASWI CHOWDARY.....of.....KVSR SCOPS..... has participated in certificate programme on "**PHARMACOVIGILANCE METHODS**" from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSR Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr. G. Vijaya Kumar
Co-Ordinator

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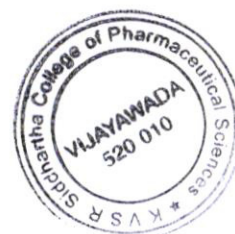


CERTIFICATE OF PARTICIPATION

This is to certify that,ATLURI DEEKSHIT.....of.....K.V.S.R. SCOPS..... has participated in certificate programme on **"PHARMACOVIGILANCE METHODS"** from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSRR Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr. G. Vijaya Kumar
Co-Ordinator

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This is to certify that,**BADIGINTI GEETHIKA**.....of.....**KVSR SCOPS**..... has participated in certificate programme on "**PHARMACOVIGILANCE METHODS**" from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSR Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr.G.Vijaya Kumar
Co-Ordinator

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This is to certify that, CHIRUMAMILLA HARICHANDANA...of.....KVSR SCOPS..... has participated in certificate programme on **"PHARMACOVIGILANCE METHODS"** from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSR Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr.G.Vijaya Kumar
Co-Ordinator

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Dr.G.Devala Rao
Principal



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CERTIFICATE OF PARTICIPATION

This is to certify that, FATHIMA SHAIK SHAMSHUDDIN KHAJA of.....KVSR SCOPS..... has participated in certificate programme on **"PHARMACOVIGILANCE METHODS"** from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSR Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr. G. Vijaya Kumar
Co-Ordinator

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Dr. G. Devala Rao
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This is to certify that,KALAGA BANDHAVI DATTA.....of.....KVSR SCOPS..... has participated in certificate programme on **"PHARMACOVIGILANCE METHODS"** from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSR Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr.G.Vijaya Kumar
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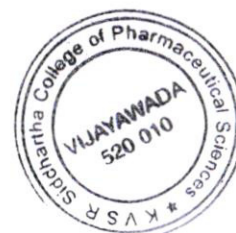


CERIFICATE OF PARTICIPATION

This is to certify that,NUNNA MANI JYOTHI.....of.....KVSR SCOPS..... has participated in certificate programme on **"PHARMACOVIGILANCE METHODS"** from 01/07/2021-17/07/2021 organized by Department of Pharmacy Practice, KVSR Siddhartha College Pharmaceutical Sciences, Vijayawada, Andhra Pradesh, India.

Dr.G.Vijaya Kumar
Co-Ordinator

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VIJAYAWADA-520 010



Dr.G.Devala Rao
Principal



Tel: 0866-2479775

Kommareddy Venkata Sadasiva Rao
Siddhartha College of Pharmaceutical Sciences

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CERTIFICATE PROGRAM ON "PHARMACOVIGILANCE METHODS"

(20-21/PHP-PHV)

SYLLABUS

Objectives:

- To create a nation wide system for patient safety reporting.
- To identify and analyze the new signal (ADR) from reported cases.
- To analyze the Benefit -risk ratio of marketed medications
- To generate the evidence based information on safety of medicines
- To support regulatory agencies in decision making process can use of medications
- To communicate the safety information on use of medicines to various stake holders to minimize the risk
- To emerge as a national centre of excellence for Pharmacovigilance activities
- To collaborate with other national centers for the exchange of information and data management.

Module 1: Introduction to pharmacovigilance

6h

- Background
- Definition & scope
- Historical evaluation
- Aim
- Objectives

Module 2: Indian Perceptive of Pharmacovigilance

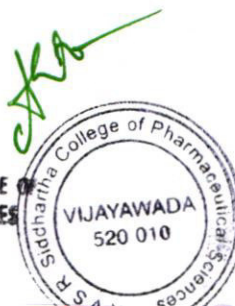
6h

- a) Introduction to pharmacovigilance programme
- b) Methods of pharmacovigilance
- c) Importance of pharmacovigilance

Module 3: Pharmacovigilance Systems

6h

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- a) Reporting systems
- b) Data analysis & signal detection

Module 4: Key terminology in pharmacovigilance

6h

- a) Introduction to Adverse drug reactions
- b) General terms used in describing an ADRs
- c) Classification of ADR
- d) Pre disposing factors for adverse drug reaction

Module 5: Role of pharmacist in managing Adverse drug reaction

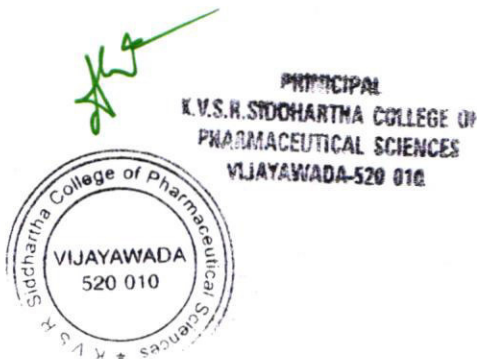
6h

- a) Methods for assessment of ADRs
- b) Detection & Reporting of Adverse drug reactions
- c) Benefits of reporting of adverse drug reaction
- d) Pharmacist role in management of ADR

Awli

Program Co-ordinator

Professor & HOD
Department of Pharmacy Practice
KVSR Siddhartha College of
Pharmaceutical Sciences
VIJAYAWADA-520 010





Tel: 0866-2479775

Kommareddy Venkata Sadasiva Rao
Siddhartha College of Pharmaceutical Sciences

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DETAILS OF THE PROGRAM

Type of the program	Certificate program
Academic Year	2020-2021
Name of the Program with Course ID:	PHARMACOVIGILANCE METHODS (20-21/PHP-PHV)
Duration :	30 Hrs
Additional Resources:	Supplemental materials / activities.
Method of Training:	Offline
Outline/Syllabus:	Enclosed individual curriculum for each program
Assessment Procedure	Students with 80% attendance, multiple choice questions, multiple attempts
Certificate:	Hard copy of the certificate certified by the program coordinator and Head of the institution

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PROGRAM COORDINATOR

Professor & HOD
Department of Pharmacy Practice
K.V.S.R. Siddhartha College of
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2020-21

(2) PHA-JAB

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POLYCLINIC ROAD, SIDDHARTHA NAGAR, VIJAYAWADA,
ANDHRA PRADESH, INDIA-520010



REPORT

SKILL DEVELOPMENT PROGRAM

On

INSTRUMENTATION ANALYSIS-BRIDGE BETWEEN THEORY
AND PRACTICAL KNOWLEDGE

DATES: 28th Jan. 2021 to 15th Feb. 2021

ORGANIZED BY: DEPARTMENT OF PHARMACEUTICAL ANALYSIS



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DEPARTMENT OF PHARMACEUTICAL ANALYSIS

Report on

“INSTRUMENTATION ANALYSIS-BRIDGE BETWEEN THEORY AND PRACTICAL KNOWLEDGE” - 28-01-2021 to 15-02-2021

Resource Person:

Dr. A. Suneetha

- HOD, Department of pharmaceutical analysis, Hindu college of pharmacy
- Ph. No: 9949185566
- Email ID: drasuneetha@gmail.com

Organizing Secretary:

Dr. G. Devala Rao

- Principal & HOD, Department of pharmaceutical analysis, KVSr SCOPS
- Ph. No: 9848827872
- Email ID: drgdr1964@gmail.com

Faculty coordinator's:

Dr M Vijayalakshmi, Assoc. Prof

- Associate Professor, Department of pharmaceutical analysis, KVSr SCOPS
- Ph. No: 8501011122
- Email ID: analysis.scops@gmail.com

Dr I Madhusudhana Reddy, Assoc. prof

- Associate Professor, Department of pharmaceutical analysis, KVSr SCOPS
- Ph. No: 7093819777
- Email ID: imsreddychem@gmail.com

Mrs. V Anusha, Assist. Prof

- Assistant Professor, Department of pharmaceutical analysis, KVSr SCOPS
- Ph. No: 6305523176
- Email ID: anushavalapa1209@gmail.com

Venue: Central Instrumentation Room-Pharmaceutical Analysis Lab and Pharmaceutics Lab

Objectives: To make them familiarize in

- Handling various analytical instruments used in laboratory
- To correlate Knowledge on theory and its practical application
- Analysis on instruments
- Study towards research

Outcomes: Students can

- Handle HPLC, UV-Vis Spectrophotometer, FT-IR, Fluorimetry, Flame photometer etc.
- Conceptual learning
- Interpretation of data
- sample analysis - Practical application
- Study on need for current research aspects

Number of students completed course: 90



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Dr. M. Vijaya Lakshmi
Program Co-Ordinator

Dr. G. Devala Rao
Organizing Secretary



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Report

Date 28-01-2021 & 29-01-2021: Inauguration function and Analytical Instruments theoretical explanation and importance

Skill development program, for IV/IV B. Pharmacy VII Sem, titled **"INSTRUMENTATION ANALYSIS-BRIDGE BETWEEN THEORY AND PRACTICAL KNOWLEDGE"** was inaugurated by Dr. **G. Devala Rao** principal & Head Dept. of. Pharmaceutical Analysis, KVSR Siddhartha College of Pharmaceutical Sciences. This program was scheduled from 28-01-2021 to 03-02-2021

The faculty coordinators, Dr M Vijayalakshmi, Dr I Madhusudhana Reddy, Mrs. V Anusha and Ms. T S Mrinalini were present. They presented the list of instruments of different models and makes, change in technology and their application in various fields Followed demonstration and handling of instrument training was given to all the students participated in this training under the supervision of respective faculty coordinators. This Training Program was intended to provide basic understanding, operation, and hands on training for Analytical instruments like High Performance Liquid Chromatography (HPLC), Fourier Transform Infrared Spectrophotometer (FT-IR), UV-Vis Spectrophotometer, refractometer, Nephelo-Turbidity meter, Spectro-Fluorimetry, Flame Photometer.

Date 30-01-2021 & 01-02-2021: UV-Visible spectrophotometer, Practical Application

Dr M Vijayalakshmi, Associate professor, Dept of pharmaceutical analysis, explained UV-Vis Spectrophotometer. Working and principle of the instrument which is a make of Lab India and model UV 3200 with the software UV-Vis analyst. Handling of the cuvettes, UV instrumentation which includes the Sources of light, Wavelength regions and selection of wavelength, types of monochromators used and the detectors used in UV-Vis spectrophotometer like Photo cells, Barrier layer cells and Photo multiplier cells were explained. Different methods of measurement like Fixed point measurement and multiple wavelength determination, and different other methods were also very clearly explained.

Date 02-02-2021 & 03-02-2021: IR Instrumentation, theory and practice

Dr. I. Madhusudhana Reddy, Associate professor, Kvsrscoops took charge in explaining FT-IR theory, software learning, sample analysis, applications

The theory involved in the InfraRed radiation sources and the concept of wave number, different vibrational modes in IR region, the FI-IR working principle were explained.



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Instrumentation of FT-IR in our college it is made of BRUKER and model Alpha-II with OPUS software. Different sampling techniques like pressed pellet technique, ATR Attenuated total internal reflection for solid, fluid, and polymer analysis, solid samples with KBR and the liquid sample analysis were done. Opus soft ware operation, the sample analysis, integration, internal qualification of the system and maintenance of the instrument were explained.

Date 04-02-2021 & 05-02-2021: HPLC theoretical training

Dr. G. Devala Rao principal & Head Dept. of. Pharmaceutical Analysis explained HPLC of make Shimadzu and model SPD 10A UP, With software LC Solutions. Theory involved in the HPLC were explained in detail with PPT presentation.

Concept of Adsorption and partition, isocratic elution and gradient elution modes, normal phase and reverse phase theory, and instrumentation involved in the HPLC were explained.

Pumping systems and types like pneumatic pumps, syringe type pumps, reciprocating pumps, and piston pumps were explained. Different types of mobile phases to be used. Selection of mobile phase composition based on polarity of solvent, selection of buffer and buffer pH based on sample pKa were clearly explained. Different types of injectors and different types of detectors like UV-VIS, Fluorescence, refractive index detector, elsd, conductivity detectors, mass spectroscopic detectors were taught.

Date 06-02-2021, 08-02-2021, 09-02-2021: HPLC practical approach

Practical approach is carried by doing calibration of HPLC for various parameters like wavelength, run time, column temperature and pumping system etc. late calibration is done by using caffeine as a drug. Late sample analysis with paracetamol is shown. The integration of the chromatogram and the various parameters like retention time, theoretical plate, tailing factor, standard deviation calculation, %RSD calculations, mean, Y-Intercept concepts were explained. Trouble shooting for HPLC is also explained which covered the filtration of the mobile phase and sample solutions, the seal wash and the needle wash, pressure maintenance, purging with hot water about 60 C to wash out all the salts and remains in pump.

Washing the channels with magic solution which is combination of Acetonitrile, methanol, and IPA.

Date 10-02-2021 & 11-02-2021: Refractometer and Nephelo-turbidity meter

Mrs. V Anusha, Assistant Professor, Department of pharmaceutical analysis Refractometer theory, instrumentation and sample analysis were done on day 6. The theory of refraction of



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light, refraction for different media, Snell's law, refractive index calculations, standard refractive index values were learned. Refractometer of make Systronics with different lens is shown. The sample analysis by applying amino acids and other plant samples were identified using refractometer. Later Nephelo-turbidity meter was explained. Here the concept of light scattering and light transmission was explained. In nephelometer the light scattering was measured and it is in 90 to the light passing from the sample and source where in turbidity meter the light transmitted was measured which is 180 angles to the emitted light. Nephelometer is used for the determination of low viscous and dilute solutions while the turbidity meter is used for the measurement of highly viscous and turbid solutions.

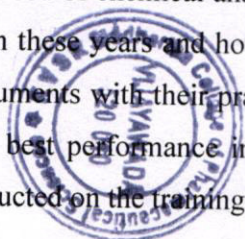
Date 12-02-2021 & 13-02-2021: spectrofluorometer and flame photo meter

Ms. T S Mrinalini, Assistant professor, Dept. of Pharmaceutical Analysis, Kvsrscops explained Fluorescence, phosphorescence, and the theory of electronic transitions and the instrumentation of fluorimetry, the factors effecting fluorescence and the sample analysis were explained and applied in the instrument. fluorescent compounds, quenching of the fluorescence and the sample quinine analysis is done using fluorimetry.

Flame photometry, the theory behind it, intensity of flame, the change in the fame color due to presence of metal ions in different concentrations. Software learning and the sample analysis by estimating the concentration of unknown sample by calibration curve method against the known standard solutions.

Date 15-02-2021: valedictory function

The workshop got very good response. The valedictory function was inaugurated by **Dr. A. Suneetha** HOD, Department of pharmaceutical analysis, Hindu college of pharmacy as a chief guest made a speech about the need for the research blessing the students for the bright future. She addressed about the need of chemical analysis of new products and the advances analytical instruments have made in these years and how much important it is to correlate the theoretical knowledge of these instruments with their practical handling she distributed the certificates for the students who shown best performance in the training considering the attendance and the results of the exams conducted on the training.



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DEPARTMENT OF PHARMACEUTICAL ANALYSIS

Skill development program on

Instrumentation Analysis: Bridge Between Theory and Practical Knowledge

(Date: 28-01-2021 to 15-02-2021)

Batch: Y17 B Pharm

Duration: 32hrs

Registered list of students

S. No	Reg. No.	Name of the Student	
1	Y17BPH140001	BANDRAPALLI CHINNA	B. Chinna
2	Y17BPH140002	KANDULA VENKATESWARA RAO	K. Venkateswara Rao
3	Y17BPH140003	KILARU DHRUTHIJA	K. Dhruithija
4	Y17BPH140004	KUMPATI RAKESH	K. Rakesh
5	Y17BPH140005	PARASARAM SAI KRISHNA	P. Sai Krishna
6	Y17BPH140006	PULUKURI HIMABINDU	P. Himabindu
7	Y17BPH140007	SURE SAI KRISHNA	S. Sai Krishna
8	Y17BPH140008	AKASA YUKTHA VARSHINI	A. Yuktha Varshini
9	Y17BPH140009	B ANJANESWARA REDDY	B. Anand Reddy
10	Y17BPH140010	BADDIGAM RAJA SEKHAR REDDY	B. Sekhar Reddy
11	Y17BPH140011	BATHULA RAGHAVENDRA	B. Raghavendra
12	Y17BPH140012	BEROTHULA MURALI	B. Murali
13	Y17BPH140013	BEZAWADA SIRISHA	B. Sirisha
14	Y17BPH140014	BHATTU TEJ SEETHARAM CHARAN	B. Charan
15	Y17BPH140015	BODDAPATI VENNELA	B. vennela
16	Y17BPH140016	BOKINALA SUBHASH	B. subhash
17	Y17BPH140017	BOLLU DIVYA DURGA	B. Durga
18	Y17BPH140018	BONTHU SANJANA	B. Sanjana
19	Y17BPH140019	CHALASANI SRUTHI	C.H. Sruthi
20	Y17BPH140020	CHANDRA LAKSHMI SHIRINI	Lakshmi
21	Y17BPH140021	CHERUKURU SNIGDHA	C. Snigdha
22	Y17BPH140022	CHETTY DEEPTHI	Ch. Deepthi
23	Y17BPH140023	CHIDIRALA SANTHOSH KUMAR	Ch. Santhosh
24	Y17BPH140024	CHURUMAMILLA ASWINI	C. Aswini
25	Y17BPH140025	DASARAJU MOHANA NAGA RAJESWARI	D. Mohana Naga
26	Y17BPH140026	DASARI MAMATHA	D. Mamatha
27	Y17BPH140027	DEVARAPALLI ASHA RANI	D. Asha Rani



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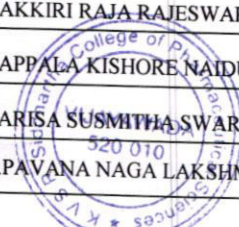
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29	Y17BPH140029	GANDRETI MAHA LAKSHMI MANASA	G. Manasa
30	Y17BPH140030	GAYATRI KANCHERLA	K. Gayatri
31	Y17BPH140031	GOBBI RAVI TEJA	G. Raviteja
32	Y17BPH140033	GOLLAVILLI SIRISHA	Sirisha
33	Y17BPH140034	GORREPATI SWATHI	Dr. Swathi
34	Y17BPH140035	GUNJA GOPALAKRISHNA	G. Gopalakrishna
35	Y17BPH140036	GUNTHANALA MAHITHA	G. Mahitha
36	Y17BPH140037	GUNTURU SPANDANA	G. Spandana
37	Y17BPH140038	HARSHINI KASULA	K. Harshini
38	Y17BPH140039	JAAHNAVI GORIPARTHI	J. Goriparthi
39	Y17BPH140040	JONNALA SAMYUKTA	J. Samyukta
40	Y17BPH140041	KAMMA HEMANTH KUMAR	K. Hemanth Kumar
41	Y17BPH140042	KANCHARLAPALLI JAHNAVI	Jahnavi
42	Y17BPH140043	KATTIKA KEERTHI	K. Keerthi
43	Y17BPH140045	KODATI KARTHIK	K. Karthik
44	Y17BPH140046	KODURU SOWJANYA	K. Sowjanya
45	Y17BPH140047	KONDURI DIVYA	K. Divya
46	Y17BPH140048	KOPPULA AKANKSHA	K. Akanksha
47	Y17BPH140049	KRIHNSA DEEPIKA CHANUMOLU	C. Krishna
48	Y17BPH140050	LAKSHMI HARIKA KELAM	K. Harika
49	Y17BPH140051	MAJJI PADMA SREE	M. padma sree
50	Y17BPH140052	MANDAVA VENKATA JAGADISH	M. V. Jagadish
51	Y17BPH140053	MAREEDU AMARALINGESWARA RAO	M. Amaralingeswara Rao
52	Y17BPH140054	MEDISETTY LAKSHMI DURGA	M. Lakshmi durga
53	Y17BPH140055	MONIKA DUVVI	M. Duvvi
54	Y17BPH140057	NARAYANAPURAM PRANATHI SREE	N. Pranathi
55	Y17BPH140058	NEELAKANTAM LIKHITHA	N. Likhitha
56	Y17BPH140059	NEKKALAPUDI SARALA	N. sarala
57	Y17BPH140060	PAKKIRI RAJA RAJESWARI	P. Rajeswari
58	Y17BPH140061	PAPPALA KISHORE NAIDU	P. Kishore
59	Y17BPH140062	PARISA SUSMITHA SWAROOP	P. Susmitha Swaroop
60	Y17BPH140063	P.PAVANA NAGA LAKSHMI SANKAR	P. parana



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62	Y17BPH140065	POLLA CHIHNITHA	P. chiniha
63	Y17BPH140066	PUTCHAKAYALA NAGA SRI DEVI	P.N. Sridevi
64	Y17BPH140067	PUTTI ANUSHA	p. Anusha
65	Y17BPH140068	RAAVI SAI GOPI	R. Gopi
66	Y17BPH140069	SANAGAPALLI NEERAJA	S. Neeraja
67	Y17BPH140070	SAPPA TANYA SRI	S. Tanya Sri
68	Y17BPH140071	SHAHANAZ BEGUM	Shahanaz
69	Y17BPH140072	SHAIK AMRIN	A.
70	Y17BPH140073	SHAIK SALMA	Sk. salma
71	Y17BPH140074	SRI AMBA SAIHARSHITA PASUPULETI	P. Saitar Saita
72	Y17BPH140075	SRI SUSHMA SAYINI	Sush
73	Y17BPH140076	SUDHESHNA MOKKAPATI	s. mokkapati
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75	Y17BPH140078	SURYADEVARA PADMINI	S. Padmini
76	Y17BPH140079	TADISETTI SAINAVYA	Sainavya
77	Y17BPH140080	TALLURI GEETHA PRIYANKA	T. Geetha Priyanka
78	Y17BPH140081	TATIKONDA LAVANYA	T. Lavanya
79	Y17BPH140082	TENALI SRAVAN KUMAR REDDY	T. Sraavan
80	Y17BPH140083	THOTA BHAGYA SREE	T. Bhagya sree
81	Y17BPH140084	V.C.V.SIVA SAI	Siva
82	Y17BPH140085	VANABATHINA HIMAJA	V. Himajai
83	Y17BPH140086	VANKA LOHITHA RANI	Rani
84	Y17BPH140087	VARANASI SRI VIDYA	V. Sri Vidya
85	Y17BPH140088	VELNATI KIRAN KUMAR	V. kiran
86	Y17BPH140089	VEMANA ANUSHA	V. Anusha
87	Y17BPH140090	VIJJI DURGA PRASAD	V. durga Prasad
88	Y17BPH140091	VUSTHELA NINEESHA	V. Nineesha
89	Y17BPH140092	VUYURU SIRISHA	V. Sirisha
90	Y17BPH140093	YARRA LAKSHMI HARIDEEP CHOWDARY	Y. Harideep
91	Y17BPH140094	YERRAMSHETTY SAI MADHAV	Y. Sai Madhav
92	L18BPH140095	SIRIPARTHI SRAVANI	S. Sravani
93	L18BPH140096	TAVVA ANJANEYA DURGA HASITH	T. Durga

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CERTIFICATE

This certificate is presented to

SRI AMBA SAIHARSHITA PASUPULETI

of Y17BPH140074 IV B PHARM

..... for participation in
"Instrumentation Analysis - Bridge Between Theory and Practical Knowledge"
a Skill Development Program held from 28th January 2021 to 15th February
2021, organized by Department of Pharmaceutical Analysis, KVSR Siddhartha
college of pharmaceutical sciences

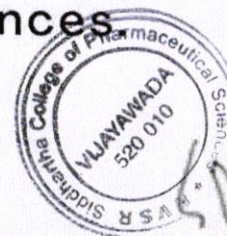
M. Vijaya Lakshmi

Dr. M. Vijaya Lakshmi

Program Co-ordinator

[Signature]

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Dr. G. Devala Rao

Principal



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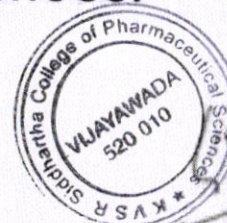
SRI SUSHMA SAYINI

of Y17BPH140075 IV B PHARM for participation in
"Instrumentation Analysis - Bridge Between Theory and Practical Knowledge"
a Skill Development Program held from 28th January 2021 to 15th February
2021, organized by Department of Pharmaceutical Analysis, KVSr Siddhartha
college of pharmaceutical sciences.

Dr. M. Vijaya Lakshmi

Program Co-ordinator

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VIJAYAWADA-520 010



Dr. G. Devala Rao

Principal



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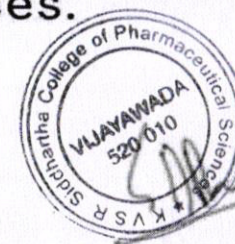
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M. Vijaya Lakshmi

Dr. M. Vijaya Lakshmi

Program Co-ordinator

[Signature]
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Dr. G. Devala Rao

Principal



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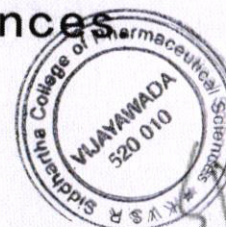
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Program Co-ordinator

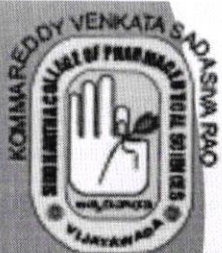
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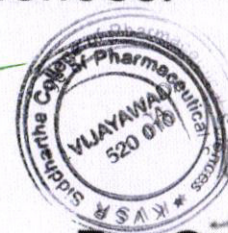
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M. Vijaya Lakshmi

Dr. M. Vijaya Lakshmi

Program Co-ordinator

G. Devala Rao



Dr. G. Devala Rao

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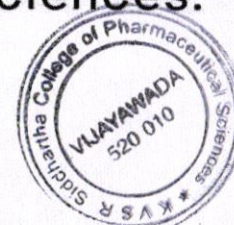
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Dr. M. Vijaya Lakshmi

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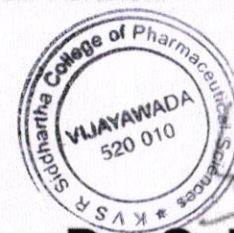
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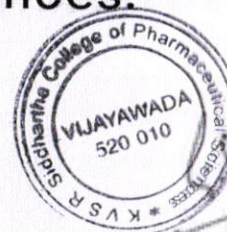
M. Vijaya Lakshmi

Dr. M. Vijaya Lakshmi

Program Co-ordinator

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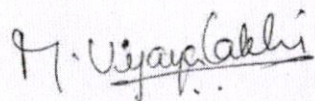
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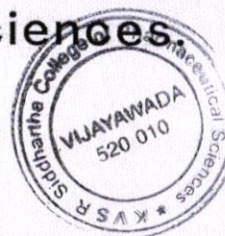


Dr. M. Vijaya Lakshmi

Program Co-ordinator



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Dr. G. Devala Rao

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Siddhartha College of Pharmaceutical Sciences**

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**SKILL DEVELOPMENT PROGRAM ON "INSTRUMENTATION ANALYSIS –
BRIDGE BETWEEN THEORY AND PRACTICAL KNOWLEDGE (20-21/PHA-LAB)**

SYLLABUS

Objectives:

- Theoretical Foundation and Instrument Understanding
- Hands-on Training and Instrument Operation Skills
- Integration of Analytical Techniques for Comprehensive Analysis

**Module 1: Mastering UV-Vis Spectrophotometry: Integrating Theoretical Foundations
with Practical Proficiency 8h**

- A. Theoretical Foundations and Practical Applications
- B. Hands-On Training and Instrument Operation
- C. Industry-Relevant Case Studies
- D. Quality Control and Compliance

**Module 2: Unveiling Infrared Spectrophotometry: Blending Theory with Practical
Proficiency and Industry Insights 5h**

- A. Theoretical Foundations and Practical Insights
- B. Hands-On ATR-FTIR Training
- C. Industry-Specific Case Studies
- D. Quality Assurance and Compliance .

**Module 3: Advanced HPLC Applications in Pharmaceuticals: Precision in Drug
Quantification, Impurity Profiling, and Pharmacokinetic Studies 8h**

- A. Drug Quantification
- B. Impurity Profiling
- C. Pharmacokinetic Studies

**Module 4: Optical Analysis: Applications of Refractometry and
Nephelometry/Turbidimetry for Diverse Industries 5h**

- A. Refractometer Applications: Determination of sugar content in beverages and refractive index values for various oils & solvents
- B. Nephelometer/Turbidimeter Applications: Water quality assessment in environmental monitoring

**Module 5: Optimizing Analysis: Best Practices in Spectro Fluorometry and Flame
Photometry for Clinical Chemistry and Pharmaceutical Analysis 6h**

- A. Standard Operating Procedures (SOPs)
- B. Clinical Chemistry: Analysis of serum samples
- C. Pharmaceutical Analysis: Determination of trace elements in electrolyte solutions

Handwritten signature



Handwritten signature of Program Co-ordinator

Program Co-ordinator



Tel: 0866-2479775

Kommareddy Venkata Sadasiva Rao
Siddhartha College of Pharmaceutical Sciences

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DETAILS OF THE PROGRAM

Type of the program	Certificate program
Academic Year	2020-2021
Name of the Program with Course ID:	INSTRUMENTATION ANALYSIS – BRIDGE BETWEEN THEORY AND PRACTICAL KNOWLEDGE (20-21/PHA-LAB)
Duration :	32 Hrs
Additional Resources:	Supplemental materials / activities.
Method of Training:	Offline
Outline/Syllabus:	Enclosed individual curriculum for each program
Assessment Procedure	Students with 80% attendance, multiple choice questions, multiple attempts
Certificate:	Hard copy of the certificate certified by the program coordinator and Head of the institution

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PROGRAM COORDINATOR

KVSR SIDDHARTHA COLLEGE OF PHARMACEUTICAL SCIENCES

POLYCLINIC ROAD, SIDDHARTHA NAGAR, VIJAYAWADA,
ANDHRA PRADESH, INDIA-520010



REPORT
SKILL DEVELOPMENT PROGRAM
On

EMERGING TRENDS IN THE DEVELOPMENT OF NDDS

DATES: 13th Dec. 2020 to 23rd Dec. 2020



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KVSR SIDDHARTHA COLLEGE OF
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VIJAYAWADA-520010

ORGANIZED BY: DEPARTMENT OF PHARMACEUTICS & BIOTECHNOLOGY



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866 2493347

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Siddhartha College of Pharmaceutical Sciences

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REPORT

Skill Orientation Certificate Programme on
EMERGING TRENDS IN THE DEVELOPMENT
OF NOVEL DRUG DELIVERY SYSTEMS

Organized by

DEPARTMENT OF PHARMACEUTICS & BIOTECHNOLOGY

Scope:

A short-term skill-oriented certificate program on “Emerging Trends in the Development of Novel Drug Delivery Systems” shall provide theoretical / practical training for III/VI Pharm. D students. The main objective is to impart competency in students to bridge the gap between academic and industrial sector.

Objectives:

- To compare and contrast conventional vs novel drug delivery systems.
- To formulate and evaluate various novel drug dosage forms.
- To discuss about current trends in the design of NDDS.

S. No.	Course Content	Didactic
1	Introduction to novel drug delivery systems and their significance	Theory
2	Demonstration of various equipment and instruments used in the formulation and evaluation of NDDS	Theory
3	Formulation and evaluation of controlled release dosage forms	Practical
4	Formulation and evaluation of sustained release dosage forms	Practical
5	Formulation and evaluation of nanoparticulate drug delivery systems	Practical
6	Latest developments in the arena of novel drug delivery systems	Theory



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A total of 25 students registered in the Skill Development Programme and 23 successfully completed it.

Program outcomes:

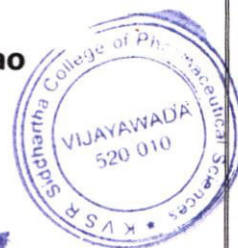
The participants gained knowledge in the following areas:

- Able to compare and contrast conventional vs novel drug delivery systems.
- Formulation of various novel drug dosage forms.
- Current trends in the design of NDDS.

Dr. G. Devala Rao

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Certificate Program on "Emerging Trends in the Development of Novel Drug Delivery Systems"

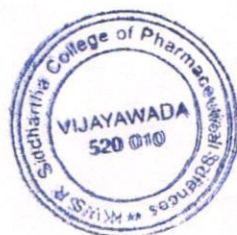
Date: 13.12.2020 to 23.12.2020

Batch: Y13 Batch-V/VI Pharm.D

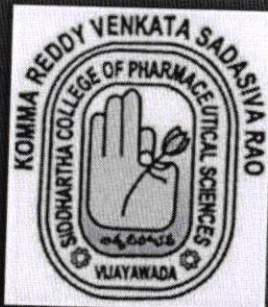
LIST OF REGISTERED STUDENTS

S. No.	Regd. No.	Name of the student	Signature
1.	Y18PHD140001	SHAIK ABDULLA	
2.	Y18PHD140002	ATTILI NAGALAKSHMI	
3.	Y18PHD140003	BHUKYA SOONA BAI	
4.	Y18PHD140004	DONKA SAI PRAKASH	
5.	Y18PHD140005	ELURU BHARGAVI	
6.	Y18PHD140006	GARRE HIMA ESWARI	
7.	Y18PHD140007	G. YASASWINI RAJ	
8.	Y18PHD140008	GUDIMETLA SAI VASANTHI	
9.	Y18PHD140009	GULLAPALLI REVANTH	
10.	Y18PHD140010	KASARANENI YASWANTH	
11.	Y18PHD140011	KOLLI LEENAJA	
12.	Y18PHD140012	MAJJI SAMPATH PAVAN	
13.	Y18PHD140013	MANGAMURI SUSHMASRI	
14.	Y18PHD140014	MANTHRI SANDHYA BHAVANI	
15.	Y18PHD140015	RISHITHA KATIKALA	
16.	Y18PHD140016	SHAIK AASHRUFUNNISSA	
17.	Y18PHD140017	SIMHADRI AMANI	
18.	Y18PHD140018	S. CHAKRAVARTHI	
19.	Y18PHD140019	SOMISETTY NIRUPA VARSHA	
20.	Y18PHD140020	SUHRUTT DUGGIRALA	
21.	Y18PHD140021	TEJASWI MEKALA	
22.	Y18PHD140023	V. MADHUPRIYA REDDY	
23.	Y18PHD140024	VARDHINENI BHARGAVI	
24.	Y18PHD140025	VEGANTI SAI HARSHA	
25.	Y16PHD140020	M.SRI VIDYA	

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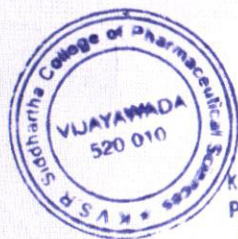
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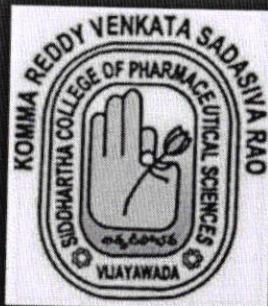
This is to certify that Mr./Ms. Vardhineni Bhargavi, Regd. No. Y18PHD140024, Regd. No. Y18PHD140024 of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada.

Dr. G. Ramana
Coordinator



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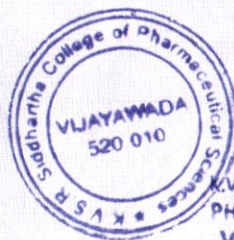
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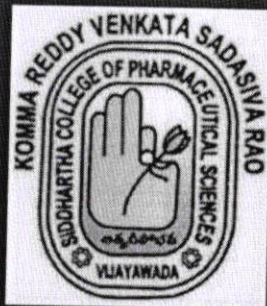
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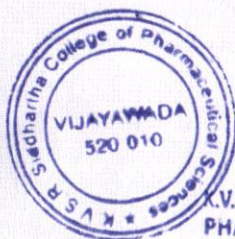
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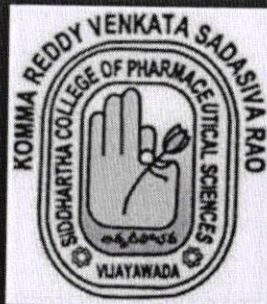
This is to certify that Mr./Ms. Donka Sai Prakash, Regd. No. Y18PHD140004 of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada.

Dr. G. Ramana
Coordinator



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Principal



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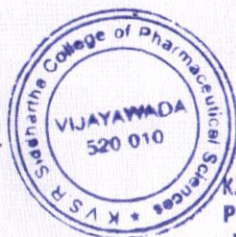
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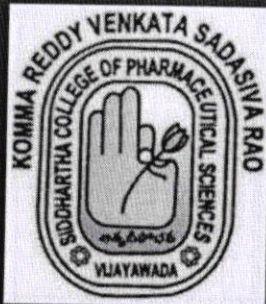
This is to certify that Mr./Ms. Eluru Bhargavi, Regd. No. Y18PHD140005 of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada.

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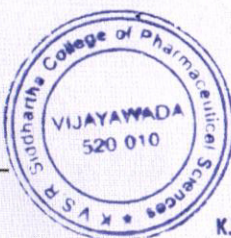
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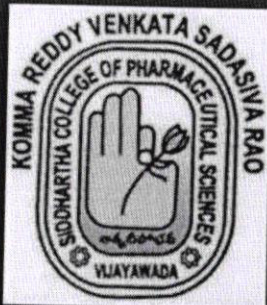
This is to certify that Mr./Ms. S. Chakravarthi, Regd. No. Y18PHD140018, of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada.

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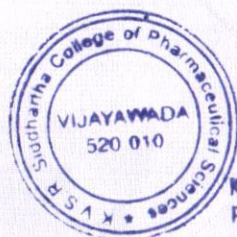
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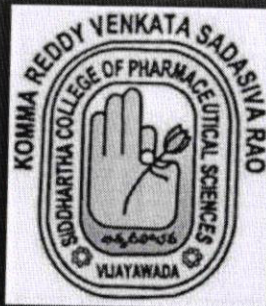
This is to certify that Mr./Ms. Simhadri Amani, Regd. No. Y18PHD140017 of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada.

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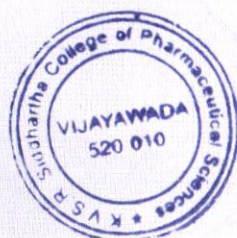
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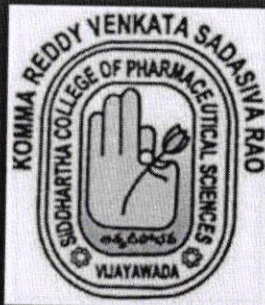
This is to certify that Mr./Ms. Attili Nagalakshmi, Regd. No. Y18PHD140002 of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada.

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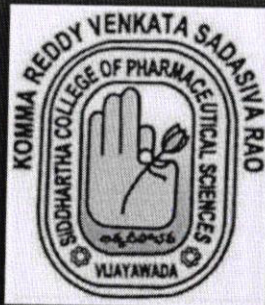
This is to certify that Mr./Ms. Bhukya Soona Bai, Regd. No. Y18PHD140003 of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada.

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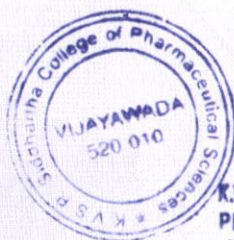
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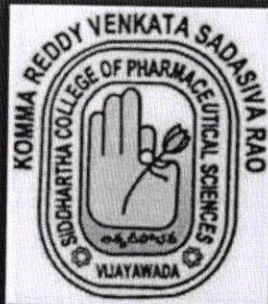
This is to certify that Mr./Ms. Gullapalli Revanth, Regd. No. Y18PHD140009 of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada.

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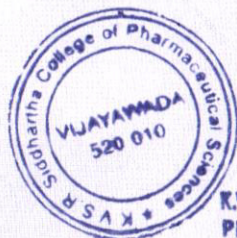
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This is to certify that Mr./Ms. Kasaraneni Yaswanth, Regd. No. Y18PHD140010 of III/VI Pharm.D has participated in Skill Orientation Programme on "Emerging Trends in the Development of Novel Drug Delivery Systems" from 13 December, 2020 to 23 December, 2020 organized by the Department of Pharmaceutics & Biotechnology, KVSr Siddhartha College of Pharmaceutical Sciences, Vijayawada.

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**SKILL DEVELOPMENT PROGRAM ON "EMERGING TRENDS IN THE
DEVELOPMENT OF NDDS"**

(20-21/PBT-EDN)

SYLLABUS

Objectives:

- To compare and contrast conventional Vs novel drug delivery systems.
- To formulate and evaluate various novel drug dosage forms
- To discuss about current trends in the design of NDDS

Module 1: Introduction to novel drug delivery systems and their significance 8h

- a) Concept of NDDS
- b) Merits and demerits
- c) Applications
- d) Classification of NDDS with examples

Module 2: Formulation and evaluation of NDDS 6h

- a) Equipment and instruments used in formulation and evaluation of NDDS
- b) Demonstration of Equipment and instruments
- c) Preparation methods for various NDDS

Module 3: Controlled and sustained release dosage forms 8h

- a) Concept of controlled and sustained release drug delivery systems
- b) Classification of controlled and sustained release DDS
- c) Formulation and Evaluation of CR & SR DDS

Module 4: Nanoparticulate DDS 8h

- a) Classification of Nanosuspensions with illustrations
- b) Methods of preparation of nanosuspensions
- c) Characterization of nanosuspension based DDS

Module 5: Novel drug delivery systems 6h

- a) Buccal patches – Formulation and evaluation
- b) Gastro-retentive DDS


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Program Co-ordinator



Tel: 0866-2479775

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Web: www.kvrsiddharthapharma.edu.in

DETAILS OF THE PROGRAM

Type of the program	Certificate program
Academic Year	2020-2021
Name of the Program with Course ID:	EMERGING TRENDS IN THE DEVELOPMENT OF NDDS (20-21/PBT-EDN)
Duration:	36 Hrs
Additional Resources:	Supplemental materials/activities.
Method of Training:	Online
Outline/Syllabus:	Enclosed individual curriculum for each program
Assessment Procedure	Students with 80% attendance, multiple choice questions, multiple attempts
Certificate:	Hard copy of the certificate certified by the program coordinator and Head of the institution


PROGRAM COORDINATOR

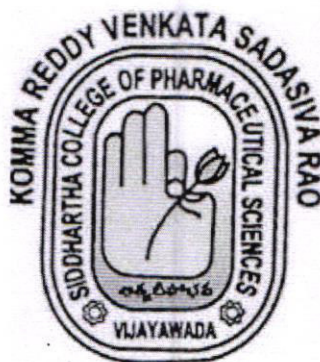



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ANDHRA PRADESH, INDIA-520010



REPORT OF SKILL DEVELOPMENT PROGRAM

On

APPROACHES TO THERAPEUTICS DURING COVID PERIOD

DATES: 7-12-20 to 23-12-20

ORGANIZED BY : DEPARTMENT OF PHARMACOLOGY

Programme Coordinator

: Dr.G.Devala Rao

Organizing Secretary

: Dr.G.Vijaya Kumar

Organizing Committee

: Department of Pharmacology

Resource Person

: Sri. A.V. S. R. Sainadh

Department of Pharmacology

KVSR SCOPS. PHARMACEUTICAL SCIENCES

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**KOMMAREDDY VENKATA SADASIVA RAO
SIDDHARTHA COLLEGE OF PHARMACEUTICAL SCIENCES**

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VIJAYAWADA-520010

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PROGRAM REPORT

Name of the event: Skill development programme on “**APPROACHES TO THERAPEUTICS DURING COVID PERIOD**”

Dates: 7-12-20 to 23-12-20

Resource person:

Sri. A.V.S.R.Sainadh

Assistant Professor, Department of Pharmacology,

KVSR Siddhartha College of Pharmaceutical Sciences, Vijayawada

Email id: atozravisai@gmail.com

Contact number: 9618352952

Name of the coordinator: Dr. G. Devala rao

Organizing Secretary: Dr. G. Vijaya Kumar

Number of students attended: 82

Objective of the program:

To make students know about **APPROACHES TO THERAPEUTICS DURING COVID PERIOD**

Topics covered:

Pharmacology of drugs used to treat covid 19 Usage

of herbal drugs for treating covid

Drug repurposing

Siddha treatment for covid 19 Post

covid complications

Enhancing immunity by natural methods

Outcomes of the program:

Upon completion of this Programme, students will expertise in the following:

Pharmacology of drugs used to treat covid 19

Usage of herbal drugs for treating covid

Drug repurposing

Siddha treatment for covid 19 Post

covid complications

Enhancing immunity by natural methods



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PROGRAMME COORDINATOR

ORGANISING SECRETARY



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REGISTERED CANDIDATES

A.Y: 2020-21

S.No.	Approaches to Therapeutics During Covid Period (Dates: 07-12-2020 to 23-12-2020)	Roll No.	Name of the Student	Signature
1.		Y18BPH140001	Gade Sivaparvathi	Gade Sivaparvathi
2.		Y18BPH140002	Harsan Suthar	Harsan Suthar
3.		Y18BPH140003	Kaithepalli Badhrinath	Badhrinath
4.		Y18BPH140004	Kamineni Ravindranath	Ravindranath
5.		Y18BPH140005	Kukkala Mohana Ranga Babu	Mohana
6.		Y18BPH140006	Mathi Sri Rahul	Mr Sri Rahul
7.		Y18BPH140007	Pothuri Aparna	P. Aparna
8.		Y18BPH140008	A Anuhya	A. Anuhya
9.		Y18BPH140009	Abhishikta Tangirala	Abhishikta T.
10.		Y18BPH140010	Akumarthi Prashanthi	Prashanthi
11.		Y18BPH140011	Akunuru Sasikanth	Sasikanth A.
12.		Y18BPH140012	Aluri Dhanya Sri	A. Dhanya Sri
13.		Y18BPH140014	Bojja Revanth	B. Revanth
14.		Y18BPH140015	Bolisetty Pooja Sree	B. Pooja Sree
15.		Y18BPH140016	Chadalavada Sathish Kumar	Sathish Kumar
16.		Y18BPH140017	Chagantipati Surekha	Surekha
17.		Y18BPH140018	Dhadala Pravachana	D. pravachana
18.		Y18BPH140019	Dodda Balayogi	Balayogi
19.		Y18BPH140020	Doddaka Nagadeepthi	Nagadeepthi
20.		Y18BPH140021	Dondapati Anusha	D. Anusha
21.		Y18BPH140022	Ganganaboyina Rahul Krishna	Rahul Krishna
22.		Y18BPH140023	Gantasala Harikrishna	Harikrishna G.
23.		Y18BPH140024	Gudiseva Sucharitha	Sucharitha
24.		Y18BPH140025	Gutta Shilpa	G. Shilpa
25.		Y18BPH140026	Haridasu Bhavya	Bhavya
26.		Y18BPH140027	Haripriya Tadi	Haripriya Tadi
27.		Y18BPH140028	Jalluri Siri Venkata Siddhartha	Siri Venkata Siddhartha
28.		Y18BPH140029	Kadapa Murali Krishna	Murali Krishna
29.		Y18BPH140030	Kadavakollu Venkata Sai Priya	K. V. Sai Priya
30.		Y18BPH140031	Kakumanu Harika	Harika
31.		Y18BPH140032	Kallam Aravind Sai Reddy	Aravind Sai Reddy



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32.	Y18BPH140033	Kambampati Lakshmi Narayana	Narayana
33.	Y18BPH140034	Kankanampati Krishna Tulasi	Kanika
34.	Y18BPH140035	Karre Manasa	K-Manasa
35.	Y18BPH140036	Ketuboyina Sravani	Sravani
36.	Y18BPH140037	Konda Krishnaveni Reddy	Konda
37.	Y18BPH140038	Kovelamudi Keerthi Dwaraka	Keerthi Dwaraka
38.	Y18BPH140039	Kurangi Yogesh	K. Yogesh
39.	Y18BPH140040	Lavuri Siva Nagaraju	Siva Nagaraju
40.	Y18BPH140041	Manda Nagamani	Nagamani
41.	Y18BPH140042	Mandapaka Vasanthi	M. Vasanthi
42.	Y18BPH140043	Mani Sai Raja Sri Nitish Jillella	Nitish
43.	Y18BPH140044	Meka Harshavardhan	M. Harsha
44.	Y18BPH140045	Mitta Keerthana	M. Keerthana
45.	Y18BPH140046	Munjuluri Harshitha	M. Harshitha
46.	Y18BPH140047	Mutte Jahnvi Sri	Jahnvi Sri
47.	Y18BPH140048	Myneedu Kavya Sree	Kavya Sree
48.	Y18BPH140049	Nagayalanka Nagamani	Nagamani
49.	Y18BPH140050	Nallajeru Mounika	N. Mounika
50.	Y18BPH140051	Nandipati Asmitha Reddy	Asmitha Reddy
51.	Y18BPH140052	Nayani Bhavana	N. Bhavana
52.	Y18BPH140053	Neeharika Lemati	Neharika
53.	Y18BPH140054	Pallagani Ajay	Ajay
54.	Y18BPH140055	Palli Ajay Kumar	Ajay Kumar
55.	Y18BPH140056	Pathakoti Vandana	P. Vandana
56.	Y18BPH140057	Patibandla Sravani	P. Sravani
57.	Y18BPH140058	Pavuluri Amar	P. Amar
58.	Y18BPH140059	Pechetti Durga Bhavani	Durga Bhavani
59.	Y18BPH140060	Pinapaka Sai Sri Raajitha	P. Raajitha
60.	Y18BPH140061	Pothuri Poojitha	P. Poojitha
61.	Y18BPH140062	Pragada Durga Kalyani	P. Durga Kalyani
62.	Y18BPH140063	Raavi Jashwanthi	Jashwanthi
63.	Y18BPH140064	Sayana Sai Nitish	Sai Nitish
64.	Y18BPH140065	Shaik Anwar Sadiq	Anwar Sadiq
65.	Y18BPH140066	Shaik Racha	Racha



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66.	Y18BPH140067	Shaik Karishma Kowsar	SK-Karishma
67.	Y18BPH140068	Shaik Sajana	SK-Sajana
68.	Y18BPH140069	Shaik Salam	Sh
69.	Y18BPH140070	Sravanthi Thommandru	Sravanthi.T
70.	Y18BPH140071	Sunkara Nikhitha	Nikhitha
71.	Y18BPH140072	Tamina Chandra Lekha	T-Chandralekha
72.	Y18BPH140073	Thota Manichandana	T.Manichandana
73.	Y18BPH140074	Tumu Divya Sri	T.Divyasri
74.	Y18BPH140075	Uppuluri Jagadish	U.Jagadish
75.	Y18BPH140076	Vemugunta Naga Vineesha	V
76.	Y18BPH140077	Venigalla Pallavi Chowdary	Pallavi
77.	Y18BPH140078	Venkata Bhumiika Bandi	Bhumiika.B.
78.	Y18BPH140079	Vicharapu Naga Venkata Kalyan	Kalyan
79.	Y18BPH140080	Vyshnavisaimalavika Vallabhaneni	Saimalavika
80.	Y18BPH140081	Yarrapothu Juhi Nirmala	Juhi Nirmala
81.	Y18BPH140082	Yasaswitha Srujana Gannu	Srujana.G.
82.	Y18BPH140083	Yendamuri Mounika	Mounika
83.	Y18BPH140084	Sravathi Talluri	T.Sravanthi
84.	Y18BPH140085	Ummidi Deepika	Deepika.U



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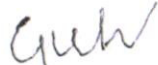
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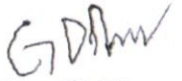
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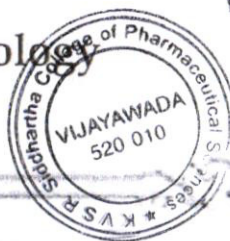
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Dr. G. Vijaya Kumar
HoD, Dept. of Pharmacology


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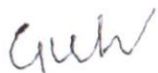
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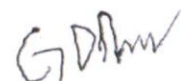
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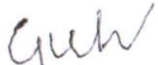
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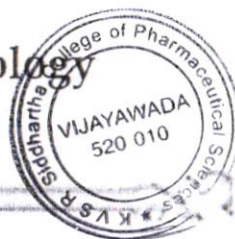
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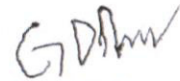
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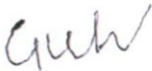
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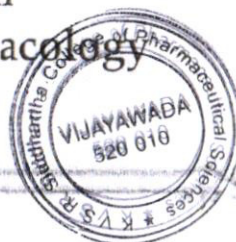
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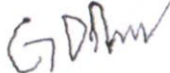
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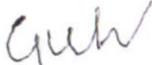
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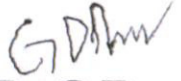
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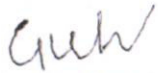
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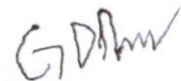
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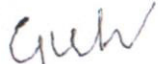
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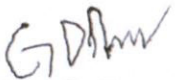
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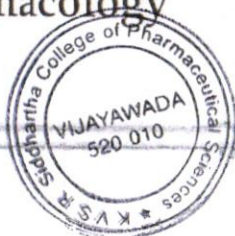
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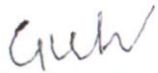
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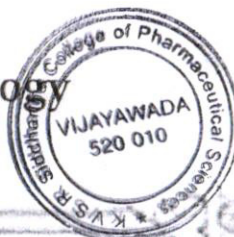
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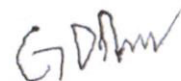
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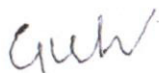
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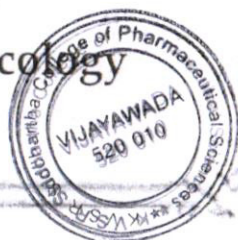
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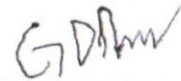
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APPROACHES TO THERAPEUTICS DURING COVID PERIOD

20-21 / PCL – ATC

SYLLABUS

Objectives:

1. To gain knowledge about pharmacology of drugs
2. To obtain data of herbal drugs
3. To gather information regarding various approaches of drug repurposing
4. To evaluate various screening methods of drug repurposing
5. To know various mixed approaches for immunity enhancers

Module 1: Drug pharmacology

4 hrs

- a) Importance of Drug
- b) Active Pharmaceutical Ingredient
- c) Clinical Development
- d) Stages of Development

Module 2: Herbal drugs

4 hrs

- a) Market research
- b) Bibliometric Analysis

Module 3: Drug repurposing

6 hrs

- a) *in silico* drug repurposing
- b) Text mining approach
- c) Cluster approaches
- d) Propagation approach
- e) Semantics approach
- f) Databases and resources


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Module 4: Siddha treatment

6 hrs

- a) Target Proteins
- b) Polypharmacology
- c) Molecular level pathways

Module 5: Post Covid complications

6 hrs

- a) Screening of targets
- b) Cell assay
- c) Animal model
- d) Clinical aspects

Module 6: Immunity enhancers

6 hrs

- a) Computational observation
- b) Biological experiments
- c) Clinical testing

PROGRAM CO-ORDINATOR

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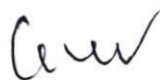
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DETAILS OF THE PROGRAM

Type of the Program	Certificate program
Academic Year	2020-21
Name of the Program with course ID	APPROACHES TO THERAPEUTICS DURING COVID PERIOD 20-21 / PCL – ATC
Duration	30 hrs
Additional Resources	Supplemental materials / activities
Method of Training	Offline/online
Outline / Syllabus	Enclosed individual curriculum for each program
Assessment Procedure	Students with 80 % attendance, multiple choice questions, multiple attempts
Certificate	Hard copy of the certificate certified by the program co-ordinator and Head of the institution


PROGRAM CO-ORDINATOR


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ANDHRA PRADESH, INDIA-520010



REPORT
SKILL ORIENTED PROGRAM
On

MODERN APPLICATIONS OF PHARMACOGNOSY

DATES: 9th July 2020 to 30th July 2020



ORGANIZED BY: DEPARTMENT OF PHARMACOGNOSY

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Date:-01/08/2020

PROGRAM REPORT

SKILL ORIENTATION CERTIFICATE PROGRAM On

MODERN APPLICATIONS OF PHARMACOGNOSY

ORGANISED BY

DEPARTMENT OF PHARMACOGNOSY

Scope:

A short-term skill-oriented certificate program on “MODERN APPLICATIONS OF PHARMACOGNOSY” shall provide practical training for II B. Pharmacy students.

Duration: - 09/07/2020 to 30/07/2020

Modules: .3

S. No.	Course Content	Didactic
1	Extraction of Herbs by Novel Methods	Practical
2	Application of Chromatography in Drug Discovery	Practical
3	Antibiotic Screening in Herbal extracts	Practical
4	Initiation and Maintenance of Callus Cultures	Practical
5	Collection and Processing and Biological Samples for Evaluation	Practical

Resource Persons:

Dr.V.Karuna Sree , HOD,Dept. of Pharmacognosy, KVSr SCOPS

Contact: 9866901088 E-mail: kspamula@gmail.com

Dr.V.Rama Krishna , Associate Professor, KVSr SCOPS

Contact: 9441370474

- A total of 101 students registered in this Programme & successfully completed it.

Programme Outcomes:

The participants gained knowledge in the following areas.

- Extraction of Herbs by Novel Methods
- Application of Chromatography in Drug Discovery
- Antibiotic Screening in Herbal extracts
- Collection and Processing and Biological Samples for Evaluation


Dr. V. Karuna Sree

Programme Coordinator


Dr.G.Devala Rao

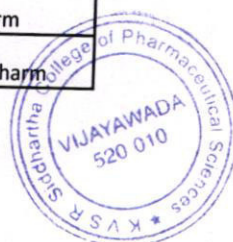
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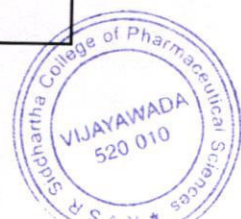
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3	2020/07/07 11:47:05 AM GMT+5:30	Lakshabathula Sundar	Y19BPH140003	2nd B. Pharm
4	2020/07/07 11:48:17 AM GMT+5:30	Maddireddy Srinivas Reddy	Y19BPH140004	2nd B. Pharm
5	2020/07/07 11:48:29 AM GMT+5:30	Marri Divya	Y19BPH140005	2nd b pharm
6	2020/07/07 11:49:17 AM GMT+5:30	Adari Chandra Ganesh	Y19BPH140006	2nd B pharm
7	2020/07/07 11:49:17 AM GMT+5:30	Akkena Deepika	Y19BPH140007	2nd bpharm
8	2020/07/07 11:49:44 AM GMT+5:30	Anagani Rajkumar	Y19BPH140008	2nd B pharm
9	2020/07/07 11:50:07 AM GMT+5:30	Badavath Lavanya	Y19BPH140009	2nd B pharm
10	2020/07/07 11:50:32 AM GMT+5:30	Bejagam Shanmukhi	Y19BPH140010	2nd B pharm
11	2020/07/07 11:51:27 AM GMT+5:30	Bhagyasri Gundu	Y19BPH140011	2nd B pharm
12	2020/07/07 11:53:10 AM GMT+5:30	Bhupathi Shanmukha Harshavardhan	Y19BPH140012	2nd B pharm
13	2020/07/07 11:54:07 AM GMT+5:30	Boggavarapu Dhanush	Y19BPH140013	2nd B pharm
14	2020/07/07 11:55:42 AM GMT+5:30	Chaganti Pavithra	Y19BPH140014	2nd B pharm
15	2020/07/07 11:56:42 AM GMT+5:30	Challa Suma Niharika	Y19BPH140015	2nd B pharm
16	2020/07/08 10:57:48 AM GMT+5:30	Chelli Dinesh Kumar	Y19BPH140016	2nd B pharm
17	2020/07/05 08:40:18 PM GMT+5:30	Chillimuntha Bhanu	Y19BPH140017	II B.Pharm
18	2020/07/05 09:25:18 PM GMT+5:30	Chilukuri Rajendra Satya Prasad	Y19BPH140019	II B.Pharm
19	2020/07/05 08:20:18 PM GMT+5:30	Chintha Usha Sri	Y19BPH140019	II B.Pharm
20	2020/07/05 10:00:18 PM GMT+5:30	Dara Kavya	Y19BPH140020	2nd B. Pharm
21	2020/07/08 10:15:48 AM GMT+5:30	Dasari Naga Rama Keerthana	Y19BPH140021	2nd B. Pharm
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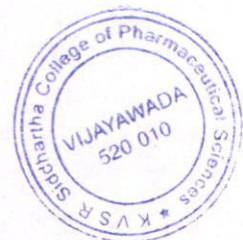
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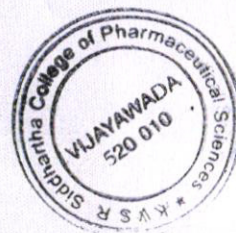


CERTIFICATE OF PARTICIPATION

This is to certify that Mr./ Miss.....Dokka Ankitha.....has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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Dr. V. Karuna Sree
Programme coordinator

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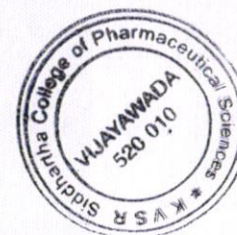


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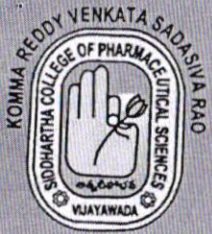
This is to certify that Mr./ Miss..... *Meena Rabab*has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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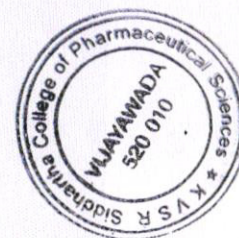


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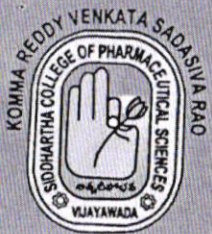
This is to certify that Mr./ Miss..... *Choppara Sahithi*has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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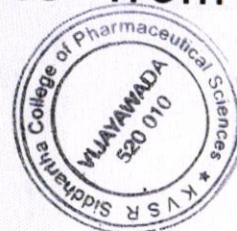
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This is to certify that Mr./ Miss..... *Mallela Ranjith*has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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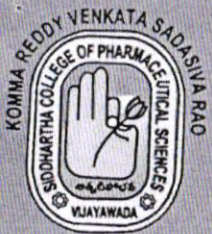
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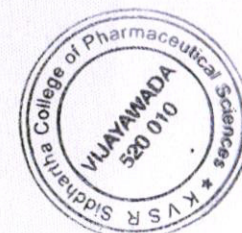


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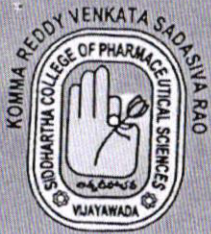
This is to certify that Mr./ Miss..... *Kandepu Mokesh Sai*has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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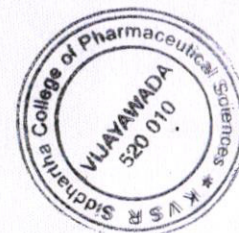


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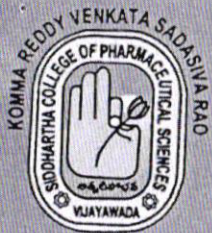
This is to certify that Mr./ Miss..... *Akkena Deepika*has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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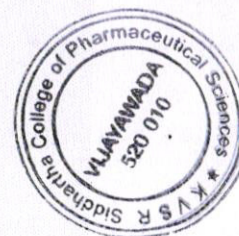


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This is to certify that Mr./ Miss..... *Thota Navya Sri*has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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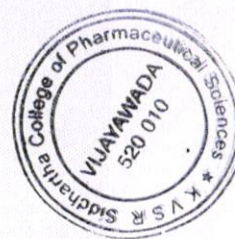


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This is to certify that Mr./ Miss.....*Vasagiri Gayathri*.....has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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30.07.2020.

Dr. V. Karuna Sree
Programme coordinator

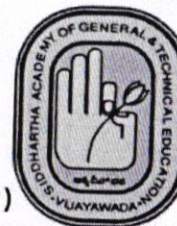
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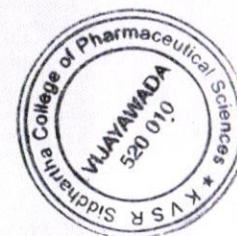
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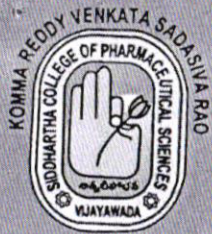
This is to certify that Mr./ Miss..... *Tenneeru Anasurya*.....has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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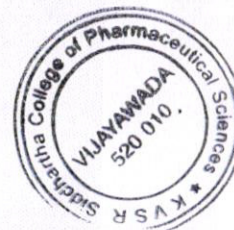


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This is to certify that Mr./ Miss..... Guddeti Anusha.....has
Participated in Skill Orientation Program on "MODERN APPLICATIONS OF
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Dr. V. Karuna Sree
Programme coordinator

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Tel: 0866-2479775

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Affiliated to Krishna University, Machilipatnam
Approved by AICTE, PCI, New Delhi and Govt. of Andhra Pradesh

E-mail : kvrsiddharthapharma@gmail.com

Web: www.kvrsiddharthapharma.edu.in

**SKILL DEVELOPMENT PROGRAM ON
“MODERN APPLICATIONS OF PHARMACOGNOSY”
(20-21/PCG-MAP)**

SYLLABUS

Objectives:

- To educate on the Novel methods of Extraction
- To explain the application of Chromatography in Drug discovery
- To discuss the initiation & Maintenance of Culture & methods
- To expertise on blood sampling & methods

Module 1: Extraction & Isolation Techniques 10h

- Extraction of Herbs by Novel Methods
- Application of Chromatography in Drug Discovery

Module 2: Microbial Screening methods 10h

- Antibiotic Screening in Herbal extracts
- Initiation and Maintenance of Callus Cultures

Module 3: Biological Evaluation Methods 10h

- Collection and Processing of Sample
- Evaluation of Biological Samples

Program Co-ordinator



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Tel: 0866-2479775

Kommareddy Venkata Sadasiva Rao
Siddhartha College of Pharmaceutical Sciences

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E-mail : kvrsiddharthapharma@gmail.com

Web: www.kvrsiddharthapharma.edu.in

DETAILS OF THE PROGRAM

Type of the program	Certificate program
Academic Year	2020-2021
Name of the Program with Course ID:	MODERN APPLICATIONS OF PHARMACOGNOSY (20-21/PCG-MAP)
Duration:	30 Hrs
Additional Resources:	Supplemental materials / activities.
Method of Training:	Online
Outline/Syllabus:	Enclosed individual curriculum for each program
Assessment Procedure	Students with 80% attendance, multiple choice questions, multiple attempts
Certificate:	Hard copy of the certificate, certified by the program coordinator and Head of the institution




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