

**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521108.**

**DATE: 22.08.2022**

**CIRCULAR**

This is to let IV B Pharm students know that the “Statistical Analysis System (SAS)” certificate programme will start on September 3<sup>rd</sup> 2022, and end on October 1<sup>st</sup> 2022. So, it is important for all students to attend classes consistently.



*Principals*  
**Principal**  
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PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108

*BA*  
*A*  
*S*  
*Reshna*

# AN CERTIFICATE PROGRAMME ON “STATISTICAL ANALYSIS SYSTEM (SAS)”

from 3-9-2022 to 1-10-2022



*Principals*

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**CLIN LOGICS**

**VIJAYA INSTITUTE OF PHARMACEUTICAL  
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ENIKEPADU, VIJAYAWADA**



## PROGRAMME OBJECTIVES :

Statistical Analysis System (SAS), a software system for data analysis and report writing. SAS is a group of computer programs that work together to store data values and retrieve them, modify data, compute simple and complex statistical analyses, and create reports. SAS can be used through the SAS Analyst drop down menus, or by writing one's own code for maximum flexibility in performing complex analyses.

1. Role of SAS programmers in Clinical Research.
2. Data validation techniques using SAS
3. Integrate Clinical SAS Data and Metadata
4. Data transformations
5. Advanced concepts including SAS SQL, SAS GRAPH.

## RESOURCE PERSON :

**Mr. K. Varaha Kumar,**  
Proprietor and SAS Consultant  
Clinlogics Academy, Visakhapatnam.  
Email: varahakumar@clinlogics.com  
Contact: 9700050006

## ORGANIZATION COMMITTEE

**Sri B. S. Sri Krishna**  
Secretary, SRK Foundation, Vijayawada

**Mr. S. Venkateswara Rao**  
Programme Co-Ordinator , VIPW, Vijayawada

**Dr. K. Padmalatha**  
Convenor, Principal, VIPW, Vijayawada

## STUDENT CO-ORDINATORS

Ms. G. Sri Ramya  
Ms. K. Sashanka



  
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ENIKEPADU, VIJAYAWADA-521 108.




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Website: [www.clinlogics.com](http://www.clinlogics.com)  
Address: D.No. 39-33-121, MIG-260,  
Madhavadara VUDA Colony,  
Visakhapatnam - 530018.

Clinlogics is an innovative educational and training institute was established in 2017 in Visakhapatnam, Andhra Pradesh and is recognized by the Govt. Our vision is that Clinlogics will be the natural choice for superior skilled education and innovative learning. Our Mission is to offer advanced education to students through comprehensive and job oriented academic courses with enhanced technology, resolute interdisciplinary loom with comprehensive reach, state-of-the art research intellects, scholarly quest, and pertinent industry involvement. Clinlogics will be an indispensable contributor to high quality education that meets the needs of the current industry. We visualize Clinlogics as an abode in the academic world where training and Industry needs converge closer for reciprocal and constructive benefits. Our faculties are professionals have vast experience in Statistical Analysis System (SAS), Pharmacovigilance, Clinical Research and Medical Coding and they trained the students with a career oriented and student-friendly approach.

Clinlogics is associated with **Vijaya Institute of Pharmaceutical Sciences for Women (VIPW)** since 2017. **Dr. Padmalatha (Principal)** has been a guiding light and source of encouragement for us to continue our training program all these years. She provides all the required instructions and requirements to run the program successfully. B. Pharmacy final year students are being rigorously trained on **Statistical Analysis System (SAS)** for a period of a month i.e., **3<sup>rd</sup> September 2022 to 1<sup>st</sup> October 2022**. Classes are taken regularly and students are provided with in depth knowledge and understanding on the course topics. The mode of teaching is through PowerPoint presentations and black board is used when required. Students are advised to maintain proper notes and material is provided when needed. Attendance of students is strictly monitored and personal attention is paid towards the progress of students. Regular assessments to test the understanding of students are also conducted. During the course, students are updated with job openings and are kept motivated throughout the entire period. At the end of course, resume writing, job guidance and mock interviews are conducted to prepare the students for interviews. We also offer job assistance and guidance post completion of the curriculum.

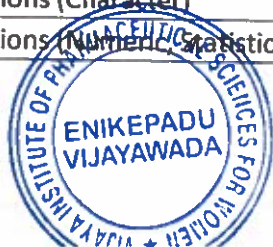


  
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The detailed course curriculum for SAS is provided below.

**Curriculum Design for Statistical Analysis System (SAS):**

S.No.	Topics	Hours
1	Introduction to Clinical Research process, Drug Development process, Phases of Clinical Research, Industry regulations and standards for Clinical Trials, Departments and roles in a CRO	2
2	History and Introduction to SAS, Role of Statistical Analysis in Clinical Research Study, SAS role in Clinical Research Study, Protocol study, Randomization and Non-randomization, SOP, About DBMS, CDM, SAP in Clinical Research Study	2
3	SAS work flow in Clinical Research Study, Relation between SAS and DBMS, SAS with CDM, CDISC Data models (SDTM, ADM etc.), SAS Report generation in Clinical Research Study	2
4	SAS system overview, working in the SAS environment, Basics of SAS including data and proc step, structure of the data set, variables and attributes, basic rules of writing SAS programs, basic rules to define variable and data set names, SAS windows, keyboard shortcuts	2
5	Reading raw data using Input Styles (List, Modifiers of List, Column)	2
6	Reading raw data using Input Styles (Format with pointer controls including column pointer control, line pointer control and line hold pointer control, Mixed and Named input styles)	2
7	SAS system options, Title and footnote statements, comments	2
8	Data Step processing (PDV, Debugging SAS Code, Error, Warning, Notes in SAS log)	2
9	Referencing a SAS data library using libname statement, reading external files and engines using filename statement (clipboard, DDE, Excel, Access)	2
10	Reading external file (notepad) using INFILE statement with options, writing data to external sources using file and put statements	2
11	Importing data using PROC IMPORT (Delimited files including comma, blank etc., reading Microsoft excel files including .xls, .xlsx, .csv, reading Microsoft access files including .MDB, .ACCDB)	2
12	Exporting data using PROC EXPORT (Delimited files including comma, blank etc., reading Microsoft excel files including .xls, .xlsx, .csv, reading Microsoft access files including .MDB, .ACCDB)	2
13	Print procedure with options and statements	2
14	Sort procedure with options for sorting and eliminating duplicate observations	2
15	Pre-defined informats and formats (character, numeric, reading date and time)	2
16	Proc format for creating user defined informats and formats (character, numeric, date and time), managing SAS catalogs	2
17	Conditional statements in SAS (if, if then else, if then do else, select when, select when do)	2
18	Where condition, Operators in SAS (Mathematical, Comparison and logical)	2
19	Generating data with loops (do, do while, do until)	2
20	Processing variables with arrays (group variables into one dimensional, two dimensional), temporary arrays, assigning initial values, creating new variables using arrays	2
21	SAS Functions (Character)	2
22	SAS Functions (Numeric, Statistical, Arithmetic, truncation and Special)	2



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23	SAS Functions (Date and time)	2
24	Merging SAS datasets (one to one, concatenating, inter-leaving, simple merge, match merge, update, append)	2
25	Accumulating values of a variable using retain statement, logical variables (first. and last.), Control variables (keep and drop)	2
26	PROC MEANS procedure to find out descriptive statistical analysis, PROC FREQ procedure to find out frequency distribution of the data	2
27	PROC TABULATE procedure to find out descriptive statistics in tabular format, PROC REPORT procedure for summary and tabular data analysis	2
28	PROC DATASETS for managing data sets, views, indexes, catalogs etc., PROC TRANSPOSE to transpose data in row to columns and columns to rows	2
29	PROC CONTENTS to find out the descriptor information of the dataset, PROC COMPARE to compare the descriptors of two or more data sets	2
30	PROC SUMMARY for descriptive statistical analysis, PROC UNIVARIATE to find out descriptive statistics based on moments (including skewness and kurtosis), quantiles and percentiles, frequency tables etc.,	2
31	SAS STAT (CORRELATION procedure, REGRESSION procedure, TTEST procedure, NPARIWAY procedure)	2
32	Concepts and features of SAS Macro programming, advantages of Macro programming, Macro processing	2
33	Creating macro variables, passing values to macros using parameters	2
34	Macro quoting functions, macro options	2
35	Macro functions, macro expressions	2
36	Interface functions, stored macros	2
37	SAS SQL basics, terminology, syntax, SQL vs Data step, DBMS vs RDBMS	2
38	SQL Commands (DDL, DML, DQL, TCL, DCL)	2
39	SQL functions, SQL Views, Indexes	2
40	Using SQL with SAS macro facility, SQL Joins	2
41	SAS Access (Libname engine architecture, ACCESS procedure, Access and View descriptors, DBLOAD procedure, SQL-pass through facility)	2
42	SAS Connect (Definition, Sign on, Single user server, Signoff, multi user server, services, communication access method)	2
43	SAS Graph (types of graphs, CHART and GCHART procedures, PLOT and GPLOT procedures)	2
44	Illustration of global options, axis option, axis legend option, pattern options, symbol options, footnote, note and title	2
45	SAS ODS (PDF, RTF, XML, HTML, EXCEL XP TAGSET, ODS LISTING)	2



  
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**Date: 04-10-2022**

## REPORT

**Name of the Program:** Statistical Analysis System (SAS)

**Duration:** 3<sup>rd</sup> September 2022 to 1<sup>st</sup> October 2022

**Resource person details:** Mr. K. Varaha Kumar

Proprietor and SAS Consultant,

Clinlogics Academy,

Visakhapatnam.

Email: varahakumar@clinlogics.com

Contact: 9700050006

Clinlogics Academy, Visakhapatnam organized a certificate program on **Statistical Analysis System (SAS)** at Vijaya Institute of Pharmaceutical Sciences for Women for IV<sup>th</sup> B. Pharmacy students by the resource person **Mr. Varaha Kumar** from 3<sup>rd</sup> September 2022 to 1<sup>st</sup> October 2022. This course is intended to teach the students how to use SAS to analyse clinical trial data. 94 students in all took part in this training course. All the students were enthusiastic and upon completion of the program they were able to understand the following objectives and gained learning outcomes.

### **Objectives:**

1. Role of SAS programmers in clinical research.
2. Advanced concepts including SAS SQL, SAS Macros, SAS STAT, SAS ACCESS, SAS GRAPH, SAS ODS.
3. Data validation techniques using SAS.
4. Data transformations.
5. Integrate Clinical SAS Data and Metadata.
6. Enhance table relationships using indexes, views and integrity constraints.



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### Learning Outcomes:

1. Acquire proficient programming skills that are required in Clinical SAS.
2. Able to write SAS programs and SAS environment in windows.
3. Creating SAS datasets using different SAS statements and data importing methods.
4. Understanding data step processing.
5. Data validation techniques using SAS.
6. Acquire related positions and Jobs in the Industry.
7. Basic knowledge on CDISC including SDTM, AdAM and ODM.



The students found this curriculum to be extremely educational and helpful, and they gave it favourable reviews. The resource person, Mr. K. Varaha Kumar, and the participants were complimented by Dr. K. Padmalatha, the principal of VIPW.

*S. Venkatesh*  
Coordinator



*K. Padmalatha*  
Principal  
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**Program Name: Statistical Analysis System (SAS)**

**Schedule: 03-09-2022 to 01-10-2022**

**A. Y: 2022-23**

**LIST OF STUDENTS**

S. No	Register No	Name of the Student	Program
1	197N1R0001	Doguparthi Naga Prathyusha	IV B. Pharmacy
2	197N1R0002	Gollapudi Udaya Sree	IV B. Pharmacy
3	197N1R0003	T. Hara Naga Sai Krishnasri Harshitha	IV B. Pharmacy
4	197N1R0004	Kanukolanu Aarika	IV B. Pharmacy
5	197N1R0005	Chapala Naga Lakshmi Lavanya	IV B. Pharmacy
6	197N1R0006	Davuluri Ooha	IV B. Pharmacy
7	197N1R0007	Dagam Phani Sree	IV B. Pharmacy
8	197N1R0008	Mohammed Zyba	IV B. Pharmacy
9	197N1R0009	Joseph Sharon	IV B. Pharmacy
10	197N1R0010	Kaki Devi	IV B. Pharmacy
11	197N1R0011	S. Naga Venkata Sasi Lavanya	IV B. Pharmacy
12	197N1R0013	Mulaka Vyshnavi	IV B. Pharmacy
13	197N1R0014	Lakkireddy Sai Lalitha	IV B. Pharmacy
14	197N1R0015	Velagapudi Sai Charitha	IV B. Pharmacy
15	197N1R0016	Vinuthna Rallapalli	IV B. Pharmacy

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S. No	Register No	Name of the Student	Program
16	197N1R0017	Regandla Vakula Devi	IV B. Pharmacy
17	197N1R0018	Daram Udaya Pujitha	IV B. Pharmacy
18	197N1R0019	Nidhi Roy Paliyath	IV B. Pharmacy
19	197N1R0020	Chintamalla Tejaswi	IV B. Pharmacy
20	197N1R0021	Usha Lakshmi Paluvayee	IV B. Pharmacy
21	197N1R0022	Gummadi Sri Ramya	IV B. Pharmacy
22	197N1R0023	Pitta Likhita Harsha	IV B. Pharmacy
23	197N1R0024	Erupula Sasi Kala	IV B. Pharmacy
24	197N1R0025	Thiriveedhi Naveeja	IV B. Pharmacy
25	197N1R0026	J. Venkata Lakshmi Jahnavi	IV B. Pharmacy
26	197N1R0027	Ramavathu Sailaja Bai	IV B. Pharmacy
27	197N1R0028	Karuparthi Sashanka	IV B. Pharmacy
28	197N1R0029	Pedasanaganti Aparna	IV B. Pharmacy
29	197N1R0030	Nalluri Dharani	IV B. Pharmacy
30	197N1R0031	Talla Poornima	IV B. Pharmacy
31	197N1R0032	Kotha Tejaswini	IV B. Pharmacy
32	197N1R0034	Tirumareddy Akhila	IV B. Pharmacy
33	197N1R0035	Mallempati Hareesha	IV B. Pharmacy
34	197N1R0036	Mohammad Afreena	IV B. Pharmacy
35	197N1R0037	Mohammed Ashraff Sulthana	IV B. Pharmacy
36	197N1R0038	Gone Vasantha Kumari	IV B. Pharmacy



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S. No	Register No	Name of the Student	Program
37	197N1R0039	Bale Divya	IV B. Pharmacy
38	197N1R0040	Ravulapalli Thrisalini	IV B. Pharmacy
39	197N1R0041	Seethamraju Saraswathi Samanvitha	IV B. Pharmacy
40	197N1R0042	Rapakula Lahari	IV B. Pharmacy
41	197N1R0043	Battula Yaswanthi	IV B. Pharmacy
42	197N1R0044	Jonna Kalyani	IV B. Pharmacy
43	197N1R0045	Regandla Gnana Krishna Sree	IV B. Pharmacy
44	197N1R0046	Nalluru Jothika	IV B. Pharmacy
45	197N1R0047	Veerepalli Swetha	IV B. Pharmacy
46	197N1R0048	Shaik Afreen	IV B. Pharmacy
47	197N1R0049	Dandu Sonika	IV B. Pharmacy
48	197N1R0050	Boddu Sravani	IV B. Pharmacy
49	197N1R0051	Supraja Naidu Kotha	IV B. Pharmacy
50	197N1R0052	Motukuru Dharani	IV B. Pharmacy
51	197N1R0053	Gajula Bhavani	IV B. Pharmacy
52	197N1R0054	Rajulapati Tejasri Bhavani	IV B. Pharmacy
53	197N1R0055	Valluru Sai Durga	IV B. Pharmacy
54	197N1R0056	Shaik Ayesha Parveen	IV B. Pharmacy
55	197N1R0057	Ummaka Renuka	IV B. Pharmacy
56	197N1R0058	Garimella Preethi Chowdary	IV B. Pharmacy

Contd...4



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S. No	Register No	Name of the Student	Program
57	197N1R0059	Alahari Bindu Sravya	IV B. Pharmacy
58	197N1R0060	Gottumukkala Sri Lakshmi	IV B. Pharmacy
59	197N1R0061	Chereddy Geetha Sri	IV B. Pharmacy
60	197N1R0062	Kota Lakshmi Amrutha	IV B. Pharmacy
61	197N1R0064	Chimata Jahnvi	IV B. Pharmacy
62	197N1R0065	Bavireddy Haritha	IV B. Pharmacy
63	197N1R0066	Seelam Meghana	IV B. Pharmacy
64	197N1R0067	Sundaram Ganesh Supriya	IV B. Pharmacy
65	197N1R0068	Challagalla Pravallika	IV B. Pharmacy
66	197N1R0069	Inti Sravani	IV B. Pharmacy
67	197N1R0070	Budala Mounika	IV B. Pharmacy
68	197N1R0071	Kolusu Chaitanya	IV B. Pharmacy
69	197N1R0072	Tippasani Pavani	IV B. Pharmacy
70	197N1R0073	Ala Jyothi Sravani	IV B. Pharmacy
71	197N1R0074	Vadlamudi Bhumika	IV B. Pharmacy
72	197N1R0075	Rebba Sowmya	IV B. Pharmacy
73	197N1R0076	Puramsetti Sai Geethika	IV B. Pharmacy
74	197N1R0077	Lakshmi Devi Sigatapu	IV B. Pharmacy
75	197N1R0078	Ammireddy Geetha	IV B. Pharmacy
76	197N1R0079	Puppala Uha Devi	IV B. Pharmacy
77	197N1R0080	Kancharla Sravya	IV B. Pharmacy

Contd...5



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S. No	Register No	Name of the Student	Program
78	197N1R0081	Bejjam Jahnvi	IV B. Pharmacy
79	197N1R0083	Boncheruvu Swapna	IV B. Pharmacy
80	197N1R0084	Pulavarthi Suma	IV B. Pharmacy
81	197N1R0085	Boyina Supriya	IV B. Pharmacy
82	197N1R0086	Padala Babitha	IV B. Pharmacy
83	197N1R0087	Gorrumuchhu Mery Harshitha	IV B. Pharmacy
84	197N1R0088	Muddamsetty Harsha	IV B. Pharmacy
85	197N1R0089	Seelam Deepthi	IV B. Pharmacy
86	197N1R0090	Rachapalli Navya Sridevi	IV B. Pharmacy
87	197N1R0091	Adarapu Uma Devi	IV B. Pharmacy
88	197N1R0092	Peram Mounika	IV B. Pharmacy
89	197N1R0093	Yennabattena Mounika	IV B. Pharmacy
90	197N1R0094	Tullimilli Pushpa Naga Jyothi	IV B. Pharmacy
91	197N1R0095	Pillarisetti Jyothsna	IV B. Pharmacy
92	197N1R0096	Yerreddu Sravanthi	IV B. Pharmacy
93	197N1R0099	Nimmakuri Samyukta	IV B. Pharmacy
94	197N1R0100	Vara Sudha Rani	IV B. Pharmacy



*Principal*  
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# 39-33-121, MIG-260, PHASE-2, MADHAVADHARA, VUDA COLONY,  
VISAKHAPATNAM - 530018


## COURSE COMPLETION CERTIFICATE

From 3-9-2022 To 1-10-2022


This is to certify that Ms D. Naga Prathyusha  
has successfully completed certificate course on "STATISTICAL ANALYSIS  
SYSTEM" Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL  
SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with  
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Principal

  
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Director-CLINLOGICS



# 39-33-121, MIG-260, PHASE-2, MADHAVADHARA, VUDA COLONY,  
VISAKHAPATNAM - 530018

## COURSE COMPLETION CERTIFICATE

From 03-09-2022 To 01-10-2022

This is to certify that Ms G. Udaya Sree  
has successfully completed certificate course on "STATISTICAL ANALYSIS  
SYSTEM" Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL  
SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with  
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Principal



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Director-CLINLOGICS



# 39-33-121, MIG-260, PHASE-2, MADHAVADHARA, VUDA COLONY,  
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## COURSE COMPLETION CERTIFICATE

From 03-09-2022 To 01-10-2022

This is to certify that Ms T. Hara Naga Sai Krishna Sri Harshitha  
has successfully completed certificate course on "STATISTICAL ANALYSIS  
SYSTEM" Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL  
SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with  
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Principal



*K. Varcha Kumar*  
Director-CLINLOGICS





# 39-33-121, MIG-260, PHASE-2, MADHAVADHARA, VUDA COLONY,  
VISA KHAPATNAM - 530018

## COURSE COMPLETION CERTIFICATE

From 03-09-2022 To 01-10-2022

This is to certify that Ms K. Aarika  
has successfully completed certificate course on "STATISTICAL ANALYSIS  
SYSTEM" Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL  
SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with  
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Director-CLINLOGICS



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## COURSE COMPLETION CERTIFICATE

From 03-09-2022 To 01-10-2022

This is to certify that Ms Ch. Naga Lakshmi Lavanya  
has successfully completed certificate course on "STATISTICAL ANALYSIS  
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SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with  
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Director-CLINLOGICS

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ENIKEPADU, VIJAYAWADA-521108.**

**DATE: 06.07.2022**

**CIRCULAR**

We would like to notify each of the IV B Pharm students know that the certificate programme in "Medical Writing" will start on July 11<sup>th</sup> 2022 to August 13<sup>th</sup> 2022. So, it is essential for all students to attend the programme punctually.



  
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*BY*  
*Reshma* *S*  
*(A)*

**A CERTIFICATE PROGRAMME**

**on**

**“MEDICAL WRITING”**

**from 11-7-2022 to 13-08-2022**



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## PROGRAMME OBJECTIVES :

Medical writing involves writing scientific documents of different types which include regulatory and research related documents, disease or drug related educational and promotional literature, publication articles like journal manuscripts and abstracts, content for healthcare websites, magazines or news. A medical writer is a person who applies the principles of clinical research in developing clinical trial documents that effectively and clearly describe research results, product use, and other medical information.

1. Create well written documents and manuscripts as per standard formats, compliant to regulatory standards
2. Prepare some common documents required in the pharmaceutical / clinical research industry.

## RESOURCE PERSON :

**Mrs. M. Soumya**

Ruver Technologies, Vijayawada.  
Email: ruverttechnologies@gmail.com  
Contact: 7893124321

## ORGANIZATION COMMITTEE

**Sri B. S. Sri Krishna**

Secretary, SRK Foundation, Vijayawada

**Mr. S. Venkateswara Rao**

Programme Co-Ordinator , VIPW, Vijayawada

**Dr. K. Padmalatha**

Convenor, Principal, VIPW, Vijayawada

## STUDENT CO-ORDINATORS

Ms. D. Naga Prathyusha

Ms. G. Udaya Sree



  
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ENIKEPADU, VIJAYAWADA-521 108.

## Medical Writing-Medical Devices Curriculum

S. No	Topic	Training Duration (in hours)
1	Introduction to Medical Devices	3
2	MED DEV2.7/1 Rev4 Guideline Overview	3
3	Medical Device Regulation (MDR) Overview	3
4	General Principles of Clinical Evaluation	2
5	Clinical Evaluation Stage 0- Scope and Plan	2
6	Clinical Evaluation Stage 1	2
7	Clinical Evaluation Stage 2- Data Appraisal	2
8	Clinical Evaluation Stage 3- Clinical Data analysis	2
9	Clinical Evaluation Stage 4	2
10	CER Literature Process	2
11	State of the Art (SOA) Process	2
12	Equivalence of Medical Devices	2
13	PMS and PMCF	2
14	Device RBA	2
15	Template discussion	15
16	Soft Skill training and Training on CV preparation, LinkedIn and Naukri Profiles creation	4
<b>Total training hours</b>		<b>50</b>



*[Signature]*  
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**VIJAYA INSTITUTE OF**  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108



## VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

Permitted by Govt. of A.P., Approved by AICTE, New Delhi  
Pharmacy Council of India, New Delhi, Affiliated to JNTUK  
& Certified by ISO 9001:2015



Date: 16-08-2022

### REPORT

**Name of the Program: Medical Writing**

**Schedule: 11<sup>th</sup> July 2022 to 13<sup>th</sup> August 2022**

**Resource person details: Ms. M. Soumya Reddy**

M. Pharm (Pharmaceutics)

Instructor - Ruver Technologies,

Vijayawada.

Email: ruvertechnologies@gmail.com

Contact: 9652096427

For IV<sup>th</sup> B. Pharmacy students, Ruver Technologies in Vijayawada presented a Certificate Course in Medical Writing from July 11 to August 13, 2022. The resource person was Ms. M. Soumya Reddy. Professional medical writers are in high demand and have a lot of exposure to the market. The field generally entails writing documents for the pharmaceutical sector, but it also includes writing in a more general sense, such as authoring academic writing, medical journal articles, health-related content for various healthcare portals, etc. Its primary necessity is presenting clinical / scientific facts to a variety of audiences while adhering to the forms / rules set forth by the regulatory bodies or the publisher. 94 students in all took part in the course.

**Objectives:** To provide training on Clinical Evaluation Report (CER) preparation. CER documents the assessment and analysis of clinical data about a medical device: this is to verify the clinical safety and efficacy of the device. Clinical data analysis based on either a clinical investigation of the device under evaluation or existing clinical studies for equivalent devices comprises a CER.

**Learning Outcomes:** To realize that writing for regulatory agencies to obtain device approval entails drafting medical documentation. This includes creating a clinical evaluation report using all technical documentation.



The students found the programme to be really educational, and they gave it favourable reviews. The resource person, Ms. M. Soumya Reddy, and the participants were acknowledged by Dr. K. Padmalatha, Principal of VIPW, for their contributions to the program's success.

*S. Venkatesh*  
Co-ordinator



*K. Padmalatha*  
Principal  
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ENIKEPADU, VIJAYAWADA - 521 108



**Program Name: Medical Writing**

**Schedule: 11-07-2022 to 13-08-2022**

**A. Y: 2022-23**

**LIST OF STUDENTS**

S. No	Register No	Name of the Student	Program
1	197N1R0001	Doguparthi Naga Prathyusha	IV B. Pharmacy
2	197N1R0002	Gollapudi Udaya Sree	IV B. Pharmacy
3	197N1R0003	T. Hara Naga Sai Krishnasri Harshitha	IV B. Pharmacy
4	197N1R0004	Kanukolanu Aarika	IV B. Pharmacy
5	197N1R0005	Chapala Naga Lakshmi Lavanya	IV B. Pharmacy
6	197N1R0006	Davuluri Ooha	IV B. Pharmacy
7	197N1R0007	Dagam Phani Sree	IV B. Pharmacy
8	197N1R0008	Mohammed Zyba	IV B. Pharmacy
9	197N1R0009	Joseph Sharon	IV B. Pharmacy
10	197N1R0010	Kaki Devi	IV B. Pharmacy
11	197N1R0011	S. Naga Venkata Sasi Lavanya	IV B. Pharmacy
12	197N1R0013	Mulaka Vyshnavi	IV B. Pharmacy
13	197N1R0014	Lakkireddy Sai Lalitha	IV B. Pharmacy
14	197N1R0015	Velagapudi Sai Charitha	IV B. Pharmacy
15	197N1R0016	Vinuthna Rallapalli	IV B. Pharmacy

Contd...2

S. No	Register No	Name of the Student	Program
16	197N1R0017	Regandla Vakula Devi	IV B. Pharmacy
17	197N1R0018	Daram Udaya Pujitha	IV B. Pharmacy
18	197N1R0019	Nidhi Roy Paliyath	IV B. Pharmacy
19	197N1R0020	Chintamalla Tejaswi	IV B. Pharmacy
20	197N1R0021	Usha Lakshmi Paluvayee	IV B. Pharmacy
21	197N1R0022	Gummadi Sri Ramya	IV B. Pharmacy
22	197N1R0023	Pitta Likhita Harsha	IV B. Pharmacy
23	197N1R0024	Erupula Sasi Kala	IV B. Pharmacy
24	197N1R0025	Thiriveedhi Naveeja	IV B. Pharmacy
25	197N1R0026	J. Venkata Lakshmi Jahnavi	IV B. Pharmacy
26	197N1R0027	Ramavathu Sailaja Bai	IV B. Pharmacy
27	197N1R0028	Karuparthi Sashanka	IV B. Pharmacy
28	197N1R0029	Pedasanaganti Aparna	IV B. Pharmacy
29	197N1R0030	Nalluri Dharani	IV B. Pharmacy
30	197N1R0031	Talla Poornima	IV B. Pharmacy
31	197N1R0032	Kotha Tejaswini	IV B. Pharmacy
32	197N1R0034	Tirumareddy Akhila	IV B. Pharmacy
33	197N1R0035	Mallempati Hareesha	IV B. Pharmacy
34	197N1R0036	Mohammad Afreena	IV B. Pharmacy
35	197N1R0037	Mohammed Ashraff Sulthana	IV B. Pharmacy
36	197N1R0038	Gone Vasantha Kumari	IV B. Pharmacy

Contd...3

S. No	Register No	Name of the Student	Program
37	197N1R0039	Bale Divya	IV B. Pharmacy
38	197N1R0040	Ravulapalli Thrisalini	IV B. Pharmacy
39	197N1R0041	Seethamraju Saraswathi Samanvitha	IV B. Pharmacy
40	197N1R0042	Rapakula Lahari	IV B. Pharmacy
41	197N1R0043	Battula Yaswanthi	IV B. Pharmacy
42	197N1R0044	Jonna Kalyani	IV B. Pharmacy
43	197N1R0045	Regandla Gnana Krishna Sree	IV B. Pharmacy
44	197N1R0046	Nalluru Jothika	IV B. Pharmacy
45	197N1R0047	Veerepalli Swetha	IV B. Pharmacy
46	197N1R0048	Shaik Afreen	IV B. Pharmacy
47	197N1R0049	Dandu Sonika	IV B. Pharmacy
48	197N1R0050	Boddu Sravani	IV B. Pharmacy
49	197N1R0051	Supraja Naidu Kotha	IV B. Pharmacy
50	197N1R0052	Motukuru Dharani	IV B. Pharmacy
51	197N1R0053	Gajula Bhavani	IV B. Pharmacy
52	197N1R0054	Rajulapati Tejasri Bhavani	IV B. Pharmacy
53	197N1R0055	Valluru Sai Durga	IV B. Pharmacy
54	197N1R0056	Shaik Ayesha Parveen	IV B. Pharmacy
55	197N1R0057	Ummaka Renuka	IV B. Pharmacy
56	197N1R0058	Garimella Preethi Chowdary	IV B. Pharmacy

Contd...4

S. No	Register No	Name of the Student	Program
57	197N1R0059	Alahari Bindu Sravya	IV B. Pharmacy
58	197N1R0060	Gottumukkala Sri Lakshmi	IV B. Pharmacy
59	197N1R0061	Chereddy Geetha Sri	IV B. Pharmacy
60	197N1R0062	Kota Lakshmi Amrutha	IV B. Pharmacy
61	197N1R0064	Chimata Jahnvi	IV B. Pharmacy
62	197N1R0065	Bavireddy Haritha	IV B. Pharmacy
63	197N1R0066	Seelam Meghana	IV B. Pharmacy
64	197N1R0067	Sundaram Ganesh Supriya	IV B. Pharmacy
65	197N1R0068	Challagalla Pravallika	IV B. Pharmacy
66	197N1R0069	Inti Sravani	IV B. Pharmacy
67	197N1R0070	Budala Mounika	IV B. Pharmacy
68	197N1R0071	Kolusu Chaitanya	IV B. Pharmacy
69	197N1R0072	Tippasani Pavani	IV B. Pharmacy
70	197N1R0073	Ala Jyothi Sravani	IV B. Pharmacy
71	197N1R0074	Vadlamudi Bhumika	IV B. Pharmacy
72	197N1R0075	Rebba Sowmya	IV B. Pharmacy
73	197N1R0076	Puramsetti Sai Geethika	IV B. Pharmacy
74	197N1R0077	Lakshmi Devi Sigatapu	IV B. Pharmacy
75	197N1R0078	Ammireddy Geetha	IV B. Pharmacy
76	197N1R0079	Puppala Uha Devi	IV B. Pharmacy
77	197N1R0080	Kancharla Sravya	IV B. Pharmacy

Contd...5

S. No	Register No	Name of the Student	Program
78	197N1R0081	Bejjam Jahnavi	IV B. Pharmacy
79	197N1R0083	Boncheruvu Swapna	IV B. Pharmacy
80	197N1R0084	Pulavarthi Suma	IV B. Pharmacy
81	197N1R0085	Boyina Supriya	IV B. Pharmacy
82	197N1R0086	Padala Bebitha	IV B. Pharmacy
83	197N1R0087	Gorrumuchhu Mery Harshitha	IV B. Pharmacy
84	197N1R0088	Muddamsetty Harsha	IV B. Pharmacy
85	197N1R0089	Seelam Deepthi	IV B. Pharmacy
86	197N1R0090	Rachapalli Navyasridevi	IV B. Pharmacy
87	197N1R0091	Adarapu Uma Devi	IV B. Pharmacy
88	197N1R0092	Peram Mounika	IV B. Pharmacy
89	197N1R0093	Yennabattena Mounika	IV B. Pharmacy
90	197N1R0094	Tullimilli Pushpa Naga Jyothi	IV B. Pharmacy
91	197N1R0095	Pillarisetti Jyothsna	IV B. Pharmacy
92	197N1R0096	Yerredu Sravanthi	IV B. Pharmacy
93	197N1R0099	Nimmakuri Samyukta	IV B. Pharmacy
94	197N1R0100	Vara Sudha Rani	IV B. Pharmacy



*Principal*  
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## Certificate of Completion

# RUVER

### Technologies

This is to certify that

Ms Ch. Naga Lakshmi Lavanya

has successfully completed certificate programme on "MEDICAL WRITING" from 11-7-2022 to 13-08-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with Ruver Technologies, Vijayawada.

M. Sowmya  
Convenor

Ruver Technologies, Vijayawada



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ENIKEPADU, VIJAYAWADA-521 108.

Prof. K. Padmalatha  
Principal  
VIPW



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## Certificate of Completion

# RUVER

### Technologies

This is to certify that

Ms

*K. Anika*

has successfully completed certificate programme on "MEDICAL WRITING" from 11-7-2022 to 13-08-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with Ruver Technologies, Vijayawada.

M. Sowmya  
Convenor

Ruver Technologies, Vijayawada



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Prof. K. Padmalatha  
Principal  
VIPW



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## Certificate of Completion

# RUVER

### Technologies

This is to certify that

Ms T. Hara Naga Sai Krishnasri Harshitha

has successfully completed certificate programme on "MEDICAL WRITING" from 11-7-2022 to 13-08-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with Ruver Technologies, Vijayawada.

M. Sowmya  
Convenor

Ruver Technologies, Vijayawada



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Prof. K. Padmalatha  
Principal  
VIPW





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## Certificate of Completion

# RUVER

### Technologies

This is to certify that

Ms G. Udaya Sree

has successfully completed certificate programme on "MEDICAL WRITING" from 11-7-2022 to 13-08-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with Ruver Technologies, Vijayawada.

M. Sowmya  
Convenor

Ruver Technologies, Vijayawada



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Prof. K. Padmalatha  
Principal  
VIPW



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## Certificate of Completion

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This is to certify that

Ms D. Naga Prathyusha

has successfully completed certificate programme on "MEDICAL WRITING" from 11-7-2022 to 13-08-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada in association with Ruver Technologies, Vijayawada.

M. Sowmya  
Convenor

Ruver Technologies, Vijayawada



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Prof. K. Padmalatha  
Principal  
VIPW

**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN**

**ENIKEPADU, VIJAYAWADA-521108.**

**DATE: 10.10.2022**

**CIRCULAR**

We would like to inform **III B. Pharmacy** and **IV B. Pharmacy** students have certificate program on “**Global Pharmaceutical Industrial Practices**” as per the schedule given below. Hence, all the students are hereby informed to attend the program without fail.

**Schedule: 17<sup>th</sup> October 2022 to 22<sup>nd</sup> October 2022**



*Principal*  
Principal

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ENIKEPADU, VIJAYAWADA - 521 108**

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*kn*  
*A*



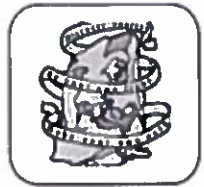
# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

Approved by AICTE, PCI New Delhi, Affiliated to JNTUK  
Enikepadu, Vijayawada, Andhra Pradesh 521108

*A Six Day Training Program on*

## GLOBAL PHARMACEUTICAL INDUSTRIAL PRACTICES

**SCPC**



in Association with

**SCONCORD PHARMA  
CONSULTANTS**

Balewadi, Pune 411045, Maharashtra, India



**17<sup>th</sup> Oct - 22<sup>nd</sup> Oct 2022**

NO REGISTRATION FEE | E-CERTIFICATE TO ALL PARTICIPANTS

*Signature*

PRINCIPAL  
VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA-521 108



**Dr. Sudhakar Sagaram,**

Director

Flat.No.4, Viswadeep apartment,  
Balewadi, Pune 411045, Maharashtra, India

**Dr. S. Venkateswara Rao**  
Coordinator, IQAC

Convener  
**Prof. Dr. K. PADMALATHA**  
Principal

# SCONCORD PHARMA CONSULTANTS



**Program Name: Global Pharmaceutical Industrial Practices**

**Duration: 17 – 10 - 2022 to 22 – 10 - 2022**

**A.Y: 2022 - 23**

S. No	Topic	Duration in hours	Out come
Day -1	Indian culture and Health Values	3	Understand the value of our culture and its importance
1.			
2.			
3.	Interdiction to Indian and global Pharma sector	2	Become familiar to industries
3.	Carrier opportunities in health sector	3	Most possible job opportunities across the globe
Day-2	Interdiction Good Manufacturing Practices GMP and cGMP and different departments in the pharmaceutical industries	4	They learn about different responsibilities and activities of the of the departments
4.			
5.			
5.	Introduction to documentation and role of documents in pharmaceutical sector	4	Get exposer to documents and understanding the importance of documents
Day -3	Different types of documents And Standard operational procedures SOP	4	Understanding what are different documents And how to prepare SOP and its contents
6.			
7.			
7.	Quality Control Department and The roles and responsibilities of different people	4	They understand what kind of activities they shall perform if they join in Quality control department
Day-4	Different kinds of Labels used in Pharmaceutical sector procurement procedures	3	They can be differentiate the labelling system depending on the type of materials
8			
9	Conducted the evaluation activity	0.45	
Day-5	Discussed about Specification and the details of the document	2	They can be able to understand how to review the documents as per the expected contents
10.			
11			
11	Discussed about Change control procedure and the SOP of change activities	3	They can be able to prepare various activities such as initiation log book entries and fallow up
12	Different Control sources of complaints and how to address them	2	They understand types of complaints and how to address them

# SCONCORD PHARMA CONSULTANTS

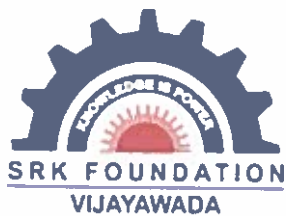
SCPC



13	Corrective and preventive Action(CAPA)	2	They will be able to initiate the CAPA activities as per the regulatory expectations
Day-6 14.	Investigation and different kinds of investigation techniques and the five pillars of the Pharmaceutical Quality Systems	3	They will be in a position to focus on investigation and find the RC or most probable cause
15.	Out Of Specifications OOS SOP	2	They are able to address the OOS and different stages of OOS investigations.
16.	Deviations SOP how to handle the deviations in the pharmaceutical sector	2	They understand what are different types of Deviations and how to address them
17.	Conclusion and participants feedback	1	Vote of thanks



  
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Permitted by Govt. of A.P., Approved by AICTE, New Delhi  
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& Certified by ISO 9001:2015



Date: 25-10-2022

### REPORT

**Name of the Program:** Global Pharmaceutical Industrial Practices

**Duration:** 17-10-2022 to 22-10-2022

**Resource Person Details:**

Dr. Sagaram Sudhakar

Director

Sconcord Pharma Consultants

Flat No. 4, Viswadeep Apartment

Balewadi, Pune 411045

Maharashtra, India

Email: sconcordepharma@gmail.com

Contact: 9665670843

Vijaya Institute of Pharmaceutical Sciences for Women, Enikepadu, Vijayawada organized a six day training program on **Global Pharmaceutical Industrial Practices** for III year B. Pharmacy and IV year B. Pharmacy students by **Dr. S. Sudhakar**, Director, Sconcord Pharma Consultants from 17<sup>th</sup> October 2022 to 22<sup>nd</sup> October 2022. Totally 201 students participated in this training program. All the students were active and upon completion of the program they were able to understand the following objectives and gained learning outcomes.

**Objectives:**

- ① To make students familiar to industries and learn about responsibilities and activities of different departments.

- ☉ To know importance of documentation and preparation of SOPs.
- ☉ To be familiar with types of complaints and initiation of CAPA activities as per the regulatory expectations.
- ☉ To understand OOS and its investigation.

**Learning outcomes:**

- ☉ Learns the basic issues in the pharmaceutical industry
- ☉ Skilled at different processes in the pharmaceutical industry (Packaging, quality management and quality control, drug licensing, drug marketing, pharmacovigilance activities)
- ☉ Gain knowledge of new technologies in the pharmaceutical industry
- ☉ Identification of OOS and their investigation
- ☉ Analyze and collect relevant product-related information, investigate and identify product and quality problems, and trigger appropriate and effective corrective or preventive actions to eliminate a problem and prevent its recurrence.



This program was very much useful to the students and their feedback was positive about the program. The Principal Dr. K. Padmalatha thanked the resource person Dr. S. Sudhakar and participants for making the program successful.

*S. Veerappa*  
Coordinator



*K. Padmalatha*  
Principal  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 106



**Program Name: Global Pharmaceutical Industrial Practices**

**Schedule: 17-10-2022 to 22-10-2022**

**A. Y: 2022-23**

**List of Students**

S. No	Register No	Name of the Student	Program
1	197N1R0001	Doguparthi Naga Prathyusha	IV B.Pharmacy
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9	197N1R0009	Joseph Sharon	IV B.Pharmacy
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12	197N1R0013	Mulaka Vyshnavi	IV B.Pharmacy
13	197N1R0014	Lakkireddy Sai Lalitha	IV B.Pharmacy
14	197N1R0015	Velagapudi Sai Charitha	IV B.Pharmacy
15	197N1R0016	Vinuthna Rallapalli	IV B.Pharmacy

Contd....2

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18	197N1R0019	Nidhi Roy Paliyath	IV B.Pharmacy
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36	197N1R0038	Gone Vasantha Kumari	IV B.Pharmacy
37	197N1R0039	Bale Divya	IV B.Pharmacy

Contd....3

S. No	Register No	Name of the Student	Program
38	197N1R0040	Ravulapalli Thrisalini	IV B.Pharmacy
39	197N1R0041	Seethamraju Saraswathi Samanvitha	IV B.Pharmacy
40	197N1R0042	Rapakula Lahari	IV B.Pharmacy
41	197N1R0043	Battula Yaswanthi	IV B.Pharmacy
42	197N1R0044	Jonna Kalyani	IV B.Pharmacy
43	197N1R0045	Regandla Gnana Krishna Sree	IV B.Pharmacy
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50	197N1R0052	Motukuru Dharani	IV B.Pharmacy
51	197N1R0053	Gajula Bhavani	IV B.Pharmacy
52	197N1R0054	Rajulapati Tejasri Bhavani	IV B.Pharmacy
53	197N1R0055	Valluru Sai Durga	IV B.Pharmacy
54	197N1R0056	Shaik Ayesha Parveen	IV B.Pharmacy
55	197N1R0057	Ummaka Renuka	IV B.Pharmacy
56	197N1R0058	Garimella Preethi Chowdary	IV B.Pharmacy
57	197N1R0059	Alahari Bindu Sravya	IV B.Pharmacy
58	197N1R0060	Gottumukkala Sri Lakshmi	IV B.Pharmacy

Contd....4

S. No	Register No	Name of the Student	Program
59	197N1R0061	Chereddy Geetha Sri	IV B.Pharmacy
60	197N1R0062	Kota Lakshmi Amrutha	IV B.Pharmacy
61	197N1R0064	Chimata Jahnvi	IV B.Pharmacy
62	197N1R0065	Bavireddy Haritha	IV B.Pharmacy
63	197N1R0066	Seelam Meghana	IV B.Pharmacy
64	197N1R0067	Sundaram Ganesh Supriya	IV B.Pharmacy
65	197N1R0068	Challagalla Pravallika	IV B.Pharmacy
66	197N1R0069	Inti Sravani	IV B.Pharmacy
67	197N1R0070	Budala Mounika	IV B.Pharmacy
68	197N1R0071	Kolusu Chaitanya	IV B.Pharmacy
69	197N1R0072	Tippasani Pavani	IV B.Pharmacy
70	197N1R0073	Ala Jyothi Sravani	IV B.Pharmacy
71	197N1R0074	Vadlamudi Bhumika	IV B.Pharmacy
72	197N1R0075	Rebba Sowmya	IV B.Pharmacy
73	197N1R0076	Puramsetti Sai Geethika	IV B.Pharmacy
74	197N1R0077	Lakshmi Devi Sigatapu	IV B.Pharmacy
75	197N1R0078	Ammireddy Geetha	IV B.Pharmacy
76	197N1R0079	Puppala Uha Devi	IV B.Pharmacy
77	197N1R0080	Kancharla Sravya	IV B.Pharmacy
78	197N1R0081	Bejjam Jahnvi	IV B.Pharmacy
79	197N1R0083	Boncheruvu Swapna	IV B.Pharmacy
80	197N1R0084	Pulavarthi Suma	IV B.Pharmacy

Contd....5

S. No	Register No	Name of the Student	Program
81	197N1R0085	Boyina Supriya	IV B.Pharmacy
82	197N1R0086	Padala Beetha	IV B.Pharmacy
83	197N1R0087	Gorrumuchhu Mery Harshitha	IV B.Pharmacy
84	197N1R0088	Muddamsetty Harsha	IV B.Pharmacy
85	197N1R0089	Seelam Deepthi	IV B.Pharmacy
86	197N1R0090	Rachapalli Navyasridevi	IV B.Pharmacy
87	197N1R0091	Adarapu Uma Devi	IV B.Pharmacy
88	197N1R0092	Peram Mounika	IV B.Pharmacy
89	197N1R0093	Yennabattena Mounika	IV B.Pharmacy
90	197N1R0094	Tullimilli Pushpa Naga Jyothi	IV B.Pharmacy
91	197N1R0095	Pillariseti Jyothsna	IV B.Pharmacy
92	197N1R0096	Yerreddu Sravanthi	IV B.Pharmacy
93	197N1R0099	Nimmakuri Samyukta	IV B.Pharmacy
94	197N1R0100	Vara Sudha Rani	IV B.Pharmacy
95	207NIR0001	Malappurathu Prajeetha Prakash	III B.Pharmacy
96	207NIR0002	Samudrala Indulekha	III B.Pharmacy
97	207NIR0003	Kolluru Lohitha	III B.Pharmacy
98	207NIR0004	Gummadi Lediya Grace	III B.Pharmacy
99	207NIR0005	Piratla Lekha Sree	III B.Pharmacy
100	207NIR0006	Vemula Neena Joy Elizabeth Rani	III B.Pharmacy
101	207NIR0007	Tripuraneni Lakshmi Sravani	III B.Pharmacy

Contd....6

S. No	Register No	Name of the Student	Program
102	207NIR0008	Gettiboina Kavya	III B.Pharmacy
103	207NIR0009	Kunapareddy Sowjanya Lakshmi	III B.Pharmacy
104	207NIR0010	Choragudi Manasa	III B.Pharmacy
105	207NIR0011	Aarepalli Charani	III B.Pharmacy
106	207NIR0012	Singipogu Soniya	III B.Pharmacy
107	207NIR0013	Sikhakolli Jyothsna Bhavani	III B.Pharmacy
108	207NIR0014	Kalapala Haritha Sri	III B.Pharmacy
109	207NIR0015	Dudekula Reshma	III B.Pharmacy
110	207NIR0016	V.Dilli Kumari	III B.Pharmacy
111	207NIR0017	Naga Kanaka Durga Perike	III B.Pharmacy
112	207NIR0018	Tammu Raja Rajeswari	III B.Pharmacy
113	207NIR0019	Kolli Naga Sravani Lakshmi Durga	III B.Pharmacy
114	207NIR0020	Kolusu Sirisha	III B.Pharmacy
115	207NIR0021	Gorre Bindu	III B.Pharmacy
116	207NIR0022	Jolapalli Vasundhara	III B.Pharmacy
117	207NIR0023	Kothagundla Bhavani Tulasi	III B.Pharmacy
118	207NIR0024	Masanam Bhavana	III B.Pharmacy
119	207NIR0025	Tummalacharla Indumathi	III B.Pharmacy
120	207NIR0026	Kacharam Abinaya Purna	III B.Pharmacy
121	207NIR0027	Dudekula Ameena	III B.Pharmacy
122	207NIR0028	Bottada Gnanapreethika	III B.Pharmacy
123	207NIR0029	Polumuri Kalyani	III B.Pharmacy

Contd....7

S. No	Register No	Name of the Student	Program
124	207NIR0030	Chunduri Deepika	III B.Pharmacy
125	207NIR0031	Papana Sravani	III B.Pharmacy
126	207NIR0032	Gangula Priyanka	III B.Pharmacy
127	207NIR0033	Atmakuri Nandini	III B.Pharmacy
128	207NIR0034	Mekala Guna Sri	III B.Pharmacy
129	207NIR0035	Jinugu Preethi	III B.Pharmacy
130	207NIR0036	Mohammed Fathima Zehra	III B.Pharmacy
131	207NIR0037	Lakshmipuram Anusha	III B.Pharmacy
132	207NIR0038	Bonthu Harshini	III B.Pharmacy
133	207NIR0039	Chakka Devi Priya	III B.Pharmacy
134	207NIR0040	Kadiyala Sri Padma	III B.Pharmacy
135	207NIR0041	Ithamrajula Navasri	III B.Pharmacy
136	207NIR0042	Pilli Varshitha Naga Sai	III B.Pharmacy
137	207NIR0043	Masimukku Kalyani	III B.Pharmacy
138	207NIR0044	Majji Pejwala	III B.Pharmacy
139	207NIR0045	Gollamandala Samrudhi	III B.Pharmacy
140	207NIR0046	Bala Harika Rathan	III B.Pharmacy
141	207NIR0047	Budalasanthi	III B.Pharmacy
142	207NIR0048	Pallapothu Namratha	III B.Pharmacy
143	207NIR0049	Bondu Keerthana	III B.Pharmacy
144	207NIR0050	Kotapati Kshiti	III B.Pharmacy
145	207NIR0051	Boggavarapu Vijaya Sudha	III B.Pharmacy

Contd...8

S. No	Register No	Name of the Student	Program
146	207NIR0052	Vuyyuru Sai Sri Saranya	III B.Pharmacy
147	207NIR0053	Vaija Sankeerthana	III B.Pharmacy
148	207NIR0054	Racheti Priyadarshini	III B.Pharmacy
149	207NIR0055	Posina Estheru Rani	III B.Pharmacy
150	207NIR0056	Gampa Sravanthee	III B.Pharmacy
151	207NIR0057	Dekka Kavyasri	III B.Pharmacy
152	207NIR0058	Bhamidipati Sri Krishna Sravya	III B.Pharmacy
153	207NIR0059	Jada.Bhavya Sri	III B.Pharmacy
154	207NIR0060	Chitturi Raja Rajeswari Devi	III B.Pharmacy
155	207NIR0061	Balaboyina Hemalatha	III B.Pharmacy
156	207NIR0062	Kore Prasanna	III B.Pharmacy
157	207NIR0063	Shaik Lafisa Thowsin	III B.Pharmacy
158	207NIR0064	Munnangi Jasmine	III B.Pharmacy
159	207NIR0065	Shaik Sabiha Taslim	III B.Pharmacy
160	207NIR0066	Dega Bhargavi	III B.Pharmacy
161	207NIR0067	Kunduru Venkata Yamini	III B.Pharmacy
162	207NIR0068	Regula Pujitha	III B.Pharmacy
163	207NIR0069	Samatham.Suma Latha	III B.Pharmacy
164	207NIR0070	Saripalli Anudeepika	III B.Pharmacy
165	207NIR0071	Katta Anupriya	III B.Pharmacy
166	207NIR0072	Koduri Chandana Sai	III B.Pharmacy
167	207NIR0073	Sunkara Sumavarshini	III B.Pharmacy

Contd....9



S. No	Register No	Name of the Student	Program
168	207NIR0074	Bobbili Rani	III B.Pharmacy
169	207NIR0075	Nukala Buelah Blessy	III B.Pharmacy
170	207NIR0076	Viswanadhapalli Harshitha	III B.Pharmacy
171	207NIR0077	Poliseti Jahnvi	III B.Pharmacy
172	207NIR0078	Shaik Farheen	III B.Pharmacy
173	207NIR0079	Mandapaka Hanisha	III B.Pharmacy
174	207NIR0080	Yadamakanti Hemalatha	III B.Pharmacy
175	207NIR0081	Boyina Sri Naga Ramya	III B.Pharmacy
176	207NIR0082	Chandolu Lakshmi Akhila Jahnvi	III B.Pharmacy
177	207NIR0083	Govindayapalli Bindu Harshitha	III B.Pharmacy
178	207NIR0084	Shaik Noorjahan	III B.Pharmacy
179	207NIR0085	Vallabhaneni Sivani	III B.Pharmacy
180	207NIR0086	Akunuri Sai Divya	III B.Pharmacy
181	207NIR0087	Batta Deevana	III B.Pharmacy
182	207NIR0088	Katikala Geetha Pravallika	III B.Pharmacy
183	207NIR0089	Lanka Rajini	III B.Pharmacy
184	207NIR0090	Damineni Urmila	III B.Pharmacy
185	207NIR0091	Pasupuleti Vijaya Bhargavi	III B.Pharmacy
186	207NIR0092	Shaik Sharmila	III B.Pharmacy
187	207NIR0093	Rayaa Sri Keerthi Reddy	III B.Pharmacy
188	207NIR0094	Gopu Navyatha	III B.Pharmacy
189	207NIR0095	Pasupula Tulasi	III B.Pharmacy

Contd....10

S. No	Register No	Name of the Student	Program
190	207NIR0096	Parakat Tanmaimeenakshi	III B.Pharmacy
191	207NIR0097	Thalamala Princy	III B.Pharmacy
192	207NIR0098	Simhadri Vijayalakshmi	III B.Pharmacy
193	207NIR0099	Vemula Vijaya Lakshmi	III B.Pharmacy
194	207NIR00A0	Chilakabathini Keziah Rani	III B.Pharmacy
195	207NIR00A1	A. C. K. Gari Uma Maheswari	III B.Pharmacy
196	207NIR00A2	Sharief Aaliya Azmi	III B.Pharmacy
197	207NIR00A3	Thirumalasetty Ruchita Rani	III B.Pharmacy
198	207NIR00A4	Parise Sneha Sri	III B.Pharmacy
199	207NIR00A5	Kambhampati Neha	III B.Pharmacy
200	207NIR00A6	Sudarsanam Sarvani	III B.Pharmacy
201	207NIR00A7	Mulpuru Suchithra	III B.Pharmacy



  
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**PHARMACEUTICAL SCIENCES FOR WOMEN**  
**ENIKEPADU, VIJAYAWADA - 521 108**

SCPC



# Certificate

## OF APPRECIATION



This is to certify that

Ms. Ch. Naga Lakshmi Lavanya  
student of VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,  
Enikepadu, Vijayawada bearing Reg No. 197NIR0005 has successfully  
completed 6-day training program on GLOBAL PHARMACEUTICAL INDUSTRIAL  
PRACTICES Organized by SCONCORD PHARMA CONSULTANTS.

Program ID : AP.22.01



*[Signature]*  
Coordinator

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ENIKEPADU, VIJAYAWADA-521 108

*[Signature]*

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VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108

*[Signature]*

Director



*[Signature]*  
Director of Operations

SCPC



# Certificate

## OF APPRECIATION



This is to certify that

Ms. K. Anika

student of VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,

Enikepadu, Vijayawada bearing Reg No. 197NIR0004 has successfully completed 6-day training program on GLOBAL PHARMACEUTICAL INDUSTRIAL

PRACTICES Organized by SCONCORD PHARMA CONSULTANTS.

Program ID : AP.22.01



*[Signature]*  
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PHARMACEUTICAL SCIENCES FOR WOMEN ENIKEPADU, VIJAYAWADA-521 108  
ENIKEPADU, VIJAYAWADA-521 108.

*[Signature]*

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VIJAYA INSTITUTE OF

*[Signature]*

Director



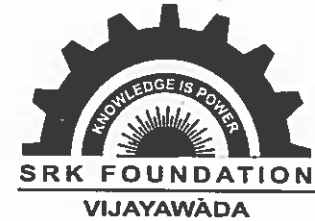
*[Signature]*  
Director of Operations

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## OF APPRECIATION



This is to certify that

Ms. T. Hara Naga Sai Krishnasri Harshitha  
student of VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,  
Enikepadu, Vijayawada bearing Reg No. 197NIR0003 has successfully  
completed 6-day training program on GLOBAL PHARMACEUTICAL INDUSTRIAL  
PRACTICES Organized by SCONCORD PHARMA CONSULTANTS.

Program ID : AP.22.01

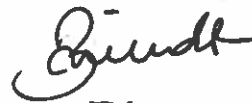


*[Signature]*  
Coordinator

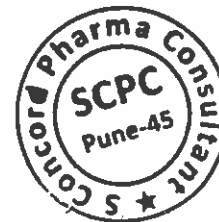
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VIJAYA INSTITUTE OF  
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Director



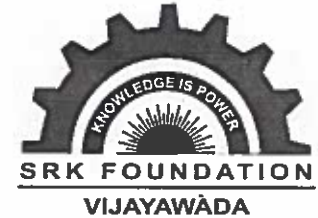
*[Signature]*  
Director of Operations

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This is to certify that


Ms. G. Udaya Sree  
student of VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,  
Enikepadu, Vijayawada bearing Reg No. 197N/R0002 has successfully  
completed 6-day training program on GLOBAL PHARMACEUTICAL INDUSTRIAL  
PRACTICES Organized by SCONCORD PHARMA CONSULTANTS.

Program ID : AP.22.01

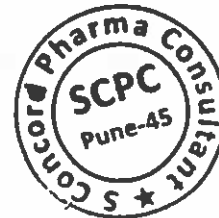


  
Coordinator

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Director

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This is to certify that

Ms. D. Naga Prathyusha  
student of VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,  
Enikepadu, Vijayawada bearing Reg No. 197NIR0001 has successfully  
completed 6-day training program on GLOBAL PHARMACEUTICAL INDUSTRIAL  
PRACTICES Organized by SCONCORD PHARMA CONSULTANTS.

Program ID : AP.22.01



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*[Signature]*  
Director

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ENIKEPADU, VIJAYAWADA-521 108



*[Signature]*  
Director of Operations

VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521108.

DATE: 19.11.2022

**CIRCULAR**

We would like to inform all the **II M Pharm** students of  
Pharmaceutics, Pharmaceutical Analysis and Pharmacology that,  
the add-on program on **“Advances in Pharmaceutical Drug  
Delivery and Technology”** which will commence from 21<sup>st</sup>  
November to 03<sup>rd</sup> December 2022. Hence, all the students are  
hereby informed to attend the classes without fail.



  
Principal  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108

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AN ADD ON PROGRAMME ON  
“ADVANCES IN PHARMACEUTICAL  
DRUG DELIVERY AND  
TECHNOLOGY”  
from 21-11-2022 to 3-12-2022

*Organized By*



*Principals*

PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU VIJAYAWADA-521 168



**VIJAYA INSTITUTE OF PHARMACEUTICAL  
SCIENCES FOR WOMEN**

## PROGRAMME OBJECTIVES :

Advances in Pharmaceutical drug delivery technologies enhance drug absorption, efficacy, and patient experience. When combined with appropriate targeting moieties, drug-coated nanoparticles, drug-encapsulating liposomes and nanotubes, and tree-like dendrimers enable organ and tissue targeting. This program was designed to improve the knowledge on the area of novel drug delivery systems and technology.

1. Principle & approaches for development of various advanced drug delivery systems
2. Criteria for selection of drugs and polymers for the development of novel drug delivery systems, their formulation and evaluation
3. Various new technology used in Pharmaceutical industries.

## RESOURCE PERSON :

**Dr. S. Venkateswara Rao**, Professor  
Department of Pharmaceutics

Email: venkateshsadhu@gmail.com, Ph. : 9966860288  
Vijaya Institute of Pharmaceutical Sciences for Women

**Mrs. P. M. M. Naga Lakshmi Varma**, Asst. Professor  
Department of Pharmaceutics

Email: nagapmm285@gmail.com, Ph.: 8142781888  
Vijaya Institute of Pharmaceutical Sciences for Women

## ORGANIZATION COMMITTEE

**B. S. Sri Krishna**  
Secretary, SRK Foundation, Vijayawada

**Mr. S. Venkateswara Rao**  
Programme Co-Ordinator , VIPW, Vijayawada

**Dr. K. Padmalatha**  
Convenor, Principal, VIPW, Vijayawada

## STUDENT CO-ORDINATORS

Ms. G. Sandhya Vani  
Ms. Ch. Kiranmai

  
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**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN**  
**Enikepadu, Vijayawada**

**Program Name: Advances in Pharmaceutical Drug  
Delivery and Technology**

**Duration: 21<sup>st</sup> November to 03<sup>rd</sup> December 2022**

**A.Y: 2022 - 23**

**Curriculum Designed and Developed by:**

S. No	Faculty Name	Designation	Signature
1	Dr. S. Venkateswara Rao	Professor	
2	Dr. B. Ramu	Professor	
3	Mrs. B. Hemalatha	Assoc. Professor	
4	Mrs. P. M. M. Naga Lakshmi Varma	Asst. Professor	



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SESSION	TITLE	DURATION
1	Nanopharmaceuticals: Generation and significance of Nano-Pharmaceuticals like nanosuspensions, nanogels, nanocarrier systems	3 hrs
2	Gastro-Retentive Drug Delivery Systems: Principle, concepts advantages and disadvantages, Modulation of GI transit time approaches to extend GI transit. Methods of formulation and its evaluations.	3 hrs
3	Nasal Drug Delivery Systems: Introduction, physiological aspects, mechanisms and pathways, drug delivery systems.	3 hrs
4	Sub Micron Cosmeceuticals: Biology, formulation science and evaluation of various cosmetics for skin, hair, nail, eye etc and its regulatory aspects.	3 hrs
5	Drug carrier systems targeted to widely dispersed cells <ul style="list-style-type: none"> <li>• Delivery to Macrophages</li> <li>• Delivery to lymphoid cells of immune network</li> <li>• Delivery to lysosomal storage diseases</li> </ul>	3 hrs
6	Regulatory consideration in controlled release: Modification requirements to demonstrate safety, efficiency & controlled release nature. Bioavailability, assurance, WHO & Indian condition.	3 hrs
7	Basic requirements for design, facility, equipment selection, for tablets, capsules, liquid orals, parenteral and semisolid	3 hrs



  
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	preparations.	
8	Improved capsule manufacturing and filling machines for hard and soft gelatin capsules.	3 hrs
9	Improved Tablet Production: Tablet production process, unit operation improvements, granulation and pelletization equipments.	3 hrs
10	Importance, Technology transfer from R & D to pilot plant to plant scale up for tablets, capsules, liquid orals, semisolids, parenteral, NDDS	3 hrs
11	Industrial sterilization: Large-scale sterilization processes, process selection, specifications, development and validation of process and equipment.	3 hrs
12	Packaging Technology: Types of packaging materials, machinery, labeling, and package printing for different dosage forms.	3 hrs

*S. Venkatesh*  
Coordinator



*Principals*  
Principal  
VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA - 521 108

**Date: 05-12-2022**

## REPORT

**Name of the Program: Advances in Pharmaceutical Drug Delivery and Technology**

**Duration: 21<sup>st</sup> November 2022 to 3<sup>rd</sup> December 2022**

### **Resource Person Details:**

Dr. S. Venkateswara Rao

Professor

Department of Pharmaceutics

Vijaya Institute of Pharmaceutical

Sciences for Women

Email: venkateshsadhu@gmail.com

Contact Number: 8142781888

Mrs. P. M. M. Naga Lakshmi Varma

Asst. Professor

Department of Pharmaceutics

Vijaya Institute of Pharmaceutical

Sciences for Women

Email: nagapmm285@gmail.com

Contact Number: 9966860288

Vijaya Institute of Pharmaceutical Sciences for Women, Enikepadu, Vijayawada organized an add on program on **Advances in Pharmaceutical Drug Delivery and Technology** for II year M. Pharmacy students by **Dr. S. Venkateswara Rao**, Professor, Department of Pharmaceutics and **Mrs. P. M. M. Naga Lakshmi Varma**, Asst. Professor, Department of Pharmaceutics from 21<sup>st</sup> November to 3<sup>rd</sup> December 2022. This program was designed to impart the knowledge on formulation and evaluation of advanced drug delivery systems and recent techniques in the drug development. Totally 15 students participated in this training program. All the students actively participated. Upon completion of the program the students were able to understand the following objectives and learning outcomes.

### **Objectives:**

- ② Understand the criteria for selection of drugs and polymers for the development of novel drug delivery systems, their formulation and evaluation.
- ② Understand the formulation and evaluation of novel drug delivery systems.

- ② Understand various approaches for development of novel drug delivery systems.
- ② Understand various new technologies used in pharmaceutical industries.
- ② Understand the principle involved in formulation of various advanced drug delivery Systems.

### Learning Outcomes

- ② Formulate Gastro-Retentive drug delivery systems, Floating micro balloons, Magnetic drug delivery systems and evaluate them for their quality.
- ② Know the Pilot Plant Scale Up Techniques.
- ② Know the formulation aspects of different advanced drug delivery systems.
- ② Know various considerations in development of advanced drug delivery systems.
- ② Know the various new technologies used in pharmaceutical industries.

This program was very much informative to the students and their feedback was positive about the program. The management and Dr. K. Padmalatha, Principal of VIPW thanked the resource persons Dr. S. Venkateswara Rao, Mrs. P. M. M. Naga Lakshmi Varma and participants for making the program successful.

*S. Venkateswara Rao*  
Coordinator



*K. Padmalatha*  
Principal  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108

**Program Name: Advances in Pharmaceutical Drug Delivery and Technology**

**Schedule: 21-11-2022 to 03-12-2022**

**A. Y: 2022-23**

**LIST OF STUDENTS**

S. No	Register No	Name of the Student	Academic Year	Program
1	217N1S0301	Chatragadda Kiranmai	2022-2023	II M.Pharmacy
2	217N1S0302	G. Sandhya Vani	2022-2023	II M.Pharmacy
3	217N1S0303	Tumaty Bhavana	2022-2023	II M.Pharmacy
4	217N1S0304	Chamarthi Suneetha	2022-2023	II M.Pharmacy
5	217N1S0305	Reddy Satya Veni	2022-2023	II M.Pharmacy
6	217N1S0306	Vattikonda Supriya	2022-2023	II M.Pharmacy
7	217N1S0601	Sunkesula Geetha	2022-2023	II M.Pharmacy
8	217N1S0602	Thondepu Pavani Priya	2022-2023	II M.Pharmacy
9	217N1S0603	Pandrangi Susmitha	2022-2023	II M.Pharmacy
10	217N1S0604	Divya Sree Chillara	2022-2023	II M.Pharmacy
11	217N1S0605	Tammu Deepika	2022-2023	II M.Pharmacy
12	217N1S0606	Kunapareddy Manasa	2022-2023	II M.Pharmacy
13	217N1S0607	Borra Lakshmi	2022-2023	II M.Pharmacy
14	217N1S0608	K. Himabindu	2022-2023	II M.Pharmacy
15	217N1S0609	Kampa Mounika	2022-2023	II M.Pharmacy



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# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

ENIKEPADU, VIJAYAWADA - 521 108.



## CERTIFICATE OF COMPLETION

This is to certify that

Ms

T. Bharana

has successfully completed add on programme on "ADVANCES IN  
PHARMACEUTICAL DRUG DELIVERY AND TECHNOLOGY" from 21-11-2022  
to 3-12-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL  
SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*Bmk*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswar Rao*  
Dr. S. Venkateswar Rao  
Programme Co-Ordinator  
VIPW

*K.atha*  
PRINCIPAL  
VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108  
*K.atha*  
Prof. K. Padmalatha  
Convenor  
Principal, VIPW



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN



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## CERTIFICATE OF COMPLETION

This is to certify that

Ms

G. Sandhya Vani

has successfully completed add on programme on "ADVANCES IN PHARMACEUTICAL DRUG DELIVERY AND TECHNOLOGY" from 21-11-2022 to 3-12-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

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Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*Prof. R. Padmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108  
Convenor  
Principal, VIPW



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN



ENIKEPADU, VIJAYAWADA - 521 108.

## CERTIFICATE OF COMPLETION

This is to certify that

Ms

*Ch. Kiranmai*

has successfully completed add on programme on "ADVANCES IN PHARMACEUTICAL DRUG DELIVERY AND TECHNOLOGY" from 21-11-2022 to 3-12-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

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Sri B. S. Sri Krishna  
Secretary  
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*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*K. Padmalatha*

PRINCIPAL

*K. Padmalatha*  
Prof. K. Padmalatha  
Convenor  
Principal, VIPW



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ENIKEPADU, VIJAYAWADA - 521 108.

## CERTIFICATE OF COMPLETION

This is to certify that

Ms

*R. Satya Veni*

has successfully completed add on programme on "ADVANCES IN PHARMACEUTICAL DRUG DELIVERY AND TECHNOLOGY" from 21-11-2022 to 3-12-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

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Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
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Prof. K. Padmalatha  
Convenor  
Principal, VIPW

**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521108.**

**DATE: 04.12.2022**

**CIRCULAR**

We would like to inform all the **II M Pharm** students of Pharmaceutics, Pharmaceutical Analysis and Pharmacology that, the add-on program on “**Scientific Approach to Analytical Methods Development and Validation Activities**” which will commence from 07<sup>th</sup> December to 21<sup>st</sup> December 2022. Hence, all the students are hereby informed to attend the classes without fail.



*Principal*  
**PRINCIPAL**

**VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108**

Handwritten signatures in blue ink. The signatures are arranged in a loose grid. The top signature is "dny". Below it are three rows of three signatures each. The bottom-most signature in the right column is "NK&N".

AN ADD ON PROGRAMME ON  
**“SCIENTIFIC APPROACH TO  
ANALYTICAL METHOD DEVELOPMENT  
AND VALIDATION ACTIVITIES”**

from 7-12-2022 to 21-12-2022

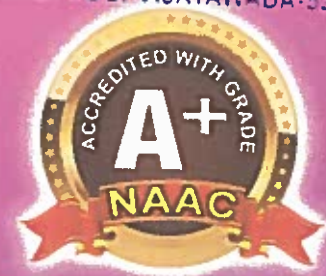


Centre for  
Sustainable  
Chemical Tech.

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## PROGRAMME OBJECTIVES :

This program introduces the schematics of Methods Development and Validation with a grassroots, conceptual standpoint, based on scientific rationale and a Method by Design approach. The aim is to lead the audience to the understanding, basic elements of analytical method, with a focus on Quality. At the outset, it implores the analytical chemist to grasp an Analytical Method as a process of measurement.

1. To get knowledge about development and optimization of chromatographic methods.
2. Study about importance of system suitability parameters in chromatographic methods.
3. To get up to date with the ICH and US FDA guidelines for the analytical method validation parameters.

## RESOURCE PERSON :

**Dr. G. Surendra**, Assoc. Professor,  
Department of Pharmaceutical Chemistry  
Email: grandhi.surender@gmail.com, Ph. : 9951740487  
Vijaya Institute of Pharmaceutical Sciences for Women

**Mrs. S. Archana**, Assoc. Professor,  
Department of Pharmaceutical Analysis  
Email: avanthiarchana@gmail.com, Ph. : 9912024576  
Vijaya Institute of Pharmaceutical Sciences for Women

## ORGANIZATION COMMITTEE

**B. S. Sri Krishna**  
Secretary, SRK Foundation, Vijayawada



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VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 103

**Mr. S. Venkateswara Rao**  
Programme Co-Ordinator , VIPW, Vijayawada

**Dr. K. Padmalatha**  
Convenor, Principal, VIPW, Vijayawada

## STUDENT CO-ORDINATORS

Ms. S. Geetha  
Ms. V. Supriya





**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN**  
**Enikepadu, Vijayawada**

**Program Name: Scientific Approach to Analytical  
Method Development and Validation Activities**

**Duration: 07<sup>th</sup> December to 21<sup>st</sup> December 2022**

**A.Y: 2022 - 23**

**Curriculum Designed and Developed by:**

S. No	Faculty Name	Designation	Signature
1	Dr. B. Ramu	Professor	
2	Dr. G. Surendra	Assoc. Professor	
3	Mrs. M. Vani	Assoc. Professor	
4	Mrs. S. Archana	Assoc. Professor	



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<b>SESSION</b>	<b>TITLE</b>	<b>DURATION</b>
1.	ICH Guidelines: <ul style="list-style-type: none"> <li>• Overview of ICH Guidelines</li> <li>• Stability Guidelines</li> <li>• GMP Guidelines for Pharmaceuticals</li> <li>• Nitrosamine Impurities Guidelines</li> </ul>	3 hrs
2.	System Suitability Parameters For Hplc Method Development <ul style="list-style-type: none"> <li>• System Suitability Test</li> <li>• Resolution.</li> <li>• Retention time.</li> <li>• Pressure.</li> <li>• Column efficiency.</li> <li>• Repeatability.</li> <li>• Plate Number.</li> <li>• Tailing factor.</li> <li>• Signal-to-noise ratio.</li> </ul>	3 hrs
3.	Analytical Method Validation Parameters ICH Q2B Validation Guidelines The validation characteristics <ul style="list-style-type: none"> <li>• Specificity</li> <li>• Linearity</li> <li>• Quantitation limit</li> <li>• Detection limit</li> <li>• Range</li> <li>• Accuracy</li> <li>• Precision               <ul style="list-style-type: none"> <li>• Repeatability</li> <li>• Intermediate Precision</li> <li>• Reproducibility</li> </ul> </li> <li>• Robustness</li> <li>• System Suitability Testing</li> </ul>	3 hrs
4.	Trouble Shooting of Hplc <ul style="list-style-type: none"> <li>• Peak Shape</li> <li>• Retention Variation</li> <li>• Ghost Peaks</li> <li>• Column Back Pressure</li> <li>• Column Care</li> </ul>	3 hrs
5.	Impurity Profiling <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Classification of impurities in API</li> <li>• Impurities present in formulation</li> <li>• Identification of impurities</li> </ul>	3 hrs
6.	Stability Indicating Methods <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Role Of QA In SIM</li> <li>• General Principle</li> </ul>	3 hrs

	<ul style="list-style-type: none"> <li>• Photo stability Testing Of New Drug Substances And Products Q1b</li> <li>• Guidance On Stability Testing: Stability Testing Of New Drug Substances And Products</li> <li>• Development Of A SIM</li> <li>• Photo stability Studies</li> <li>• Introduction And Importance Of Stability- Indicating Analytical Method Development</li> <li>• Techniques Engaged In Literature Data For The Development Of SIAMS</li> <li>• Steps Involved During The Development Of Stability-Indicating Analytical Methods (SIAMS)</li> <li>• Force Degradation Studies /Stress Testing Studies</li> <li>• Analytical Method Validation Process</li> </ul>	
7.	<b>Bioanalytical Method Development And Validation</b> <ul style="list-style-type: none"> <li>• Sample Preparation</li> <li>• Extraction Techniques</li> <li>• Analytical Method Procedures</li> <li>• Validation</li> </ul>	3 hrs
8.	<b>Cleaning And Process Validation</b> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Back Ground</li> <li>• General Requirements</li> <li>• Evaluation of Cleaning Validation</li> <li>• Establishment Of Limits</li> <li>• Other Issues</li> </ul>	3 hrs
9.	<b>Assay Testing Of Pharmaceutical Substances</b> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Guidelines of Specifications</li> <li>• General Concepts</li> </ul>	3 hrs
10.	<b>Stability Testing Of Residual Solvents</b> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Types of Solvents</li> <li>• Testing Of Solvents</li> <li>• Current Issues</li> </ul>	3 hrs
<b>PRACTICAL HOURS</b>		
11.	<b>Rp-Hplc Method Development and Validation of Abacavir and Lamivudine in Pharmaceutical Dosage Forms</b>	3 hrs
12.	<b>Determination of Naproxen and Pantoprazole in Pharmaceutical Dosage Forms</b>	3 hrs

*S. Venkatesh*  
Coordinator



*Principals*  
Principal  
PRINCIPAL

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ENIKEPADU, VIJAYAWADA - 521 188

Date: 23-12-2022

## REPORT

**Name of the Program:** Scientific Approach to Analytical Method Development and  
Validation Activities

**Duration:** 7-12-2022 to 21-12-2022

### **Resource Person Details:**

Dr. G. Surendra

Associate Professor

Department of Pharmaceutical Chemistry

Vijaya Institute of Pharmaceutical

Sciences for Women

Email: grandhi.surender@gmail.com

Contact Number: 9951740487

Mrs. S. Archana

Associate Professor

Department of Pharmaceutical Analysis

Vijaya Institute of Pharmaceutical

Sciences for Women

Email: avanthiarchana@gmail.com

Contact Number: 9912024576

Vijaya Institute of Pharmaceutical Sciences for Women, Enikepadu, Vijayawada organized a add on program on **Scientific Approach to Analytical Method Development and Validation Activities** for II year M. Pharmacy students by **Dr. G. Surendra**, Associate Professor, Department of Pharmaceutical Chemistry and **Mrs. S. Archana**, Associate Professor, Department of Pharmaceutical Analysis from 07-12-2022 to 21-12-2022. This program covered the following objectives and learning outcomes.

### **Objectives**

- To get knowledge about development and optimization of chromatographic methods.
- Study about importance of system suitability parameters in chromatographic methods.
- To get up to date with the ICH and USFDA guidelines for the analytical method validation parameters.

### Learning outcomes:

- Development of analytical methods in a systematic view.
- Parameters influencing chromatographic method development and how to optimize the method.
- Reporting of the results of analytical method validation parameters and their significance.

Totally 15 students participated actively in the training. The program was very much useful to the students and their response about the program was encouraging. Dr. K. Padmalatha, Principal thanked the resource persons **Dr. G. Surendra, Mrs. S. Archana** and participants for making the program successful.

*S. Venkatesh*  
**Coordinator**



*K. Padmalatha*  
**Principal**  
**VIJAYA INSTITUTE OF**  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108

**Program Name: SCIENTIFIC APPROACH TO ANALYTICAL METHODS**

**DEVELOPMENT AND VALIDATION ACTIVITIES**

**Schedule: 07-12-2022 to 21-12-2022**

**A. Y: 2022-23**

**LIST OF STUDENTS**

S. No	Register No	Name of the Student	Academic Year	Program
1	217N1S0301	Chatragadda Kiranmai	2022-2023	II M.Pharmacy
2	217N1S0302	G. Sandhya Vani	2022-2023	II M.Pharmacy
3	217N1S0303	Tumaty Bhavana	2022-2023	II M.Pharmacy
4	217N1S0304	Chamarthi Suneetha	2022-2023	II M.Pharmacy
5	217N1S0305	Reddy Satya Veni	2022-2023	II M.Pharmacy
6	217N1S0306	Vattikonda Supriya	2022-2023	II M.Pharmacy
7	217N1S0601	Sunkesula Geetha	2022-2023	II M.Pharmacy
8	217N1S0602	Thondepu Pavani Priya	2022-2023	II M.Pharmacy
9	217N1S0603	Pandurangi Susmitha	2022-2023	II M.Pharmacy
10	217N1S0604	Divya Sree Chillara	2022-2023	II M.Pharmacy
11	217N1S0605	Tammu Deepika	2022-2023	II M.Pharmacy
12	217N1S0606	Kunapareddy Manasa	2022-2023	II M.Pharmacy
13	217N1S0607	Borra Lakshmi	2022-2023	II M.Pharmacy
14	217N1S0608	K. Himabindu	2022-2023	II M.Pharmacy
15	217N1S0609	Kampa Mounika	2022-2023	II M.Pharmacy



*The*  
**PRINCIPAL**  
**PRINCIPAL**

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# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN



ENIKEPADU, VIJAYAWADA - 521 108.

## Certificate of Completion

This is to certify that

Ms

*R. Satya Veni*

has successfully completed add on programme on "**SCIENTIFIC APPROACH TO ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ACTIVITIES**" from 7-12-2022 to 21-12-2022.

Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,  
Enikepadu, Vijayawada.

*Bm*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*K. Padmalatha*

*K. Padmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108  
Convenor  
Principal, VIPW



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN



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## Certificate of Completion

This is to certify that

Ms

Ch. Suneetha

has successfully completed add on programme on **"SCIENTIFIC APPROACH TO ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ACTIVITIES"** from 7-12-2022 to 21-12-2022.

Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,  
Enikepadu, Vijayawada.

*Bm*  
**Sri B. S. Sri Krishna**  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
**Dr. S. Venkateswara Rao**  
Programme Co-Ordinator  
VIPW

*K. Padmalatha*  
**PRINCIPAL**  
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**Convenor**  
Principal, VIPW



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN



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## Certificate of Completion

This is to certify that

Ms

T. Bhavana

has successfully completed add on programme on "**SCIENTIFIC APPROACH TO ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ACTIVITIES**" from 7-12-2022 to 21-12-2022.

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Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*Prof. K. Padmalatha*  
PRINCIPAL  
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ENIKEPADU, VIJAYAWADA  
Convenor  
Principal, VIPW





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ENIKEPADU, VIJAYAWADA - 521 108.

## Certificate of Completion

This is to certify that

Ms

*G. Satya Vani*

has successfully completed add on programme on **"SCIENTIFIC APPROACH TO ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ACTIVITIES"** from 7-12-2022 to 21-12-2022.

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Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*K. Padmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA  
Prof. K. Padmalatha  
Convener  
Principal, VIPW



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## Certificate of Completion

This is to certify that

Ms

*Ch. Kiranmai*

has successfully completed add on programme on **"SCIENTIFIC APPROACH TO ANALYTICAL METHOD DEVELOPMENT AND VALIDATION ACTIVITIES"** from 7-12-2022 to 21-12-2022.

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Enikepadu, Vijayawada.

*Bm*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
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*Padmalatha*  
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*Padmalatha*  
Coordinator  
Principal, VIPW

VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521108.

DATE: 21.12.2022

**CIRCULAR**

We would like to inform all the **II M Pharm** students of  
Pharmaceutics, Pharmaceutical Analysis and Pharmacology that,  
the add-on program on “**IPR, PATENT DRAFTING, FILLING  
AND PROCESSING**” which will commence from 23<sup>rd</sup> December  
2022 to 6<sup>th</sup> January 2023. Hence, all the students are hereby  
informed to attend the classes without fail.



*Principal*  
Principal  
VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA - 521 105

Handwritten signatures and initials in blue ink, including "BJ", "Mg", "dy", "A", "S", "H", "MKCN", and "A".

**AN ADD ON PROGRAMME ON**

**"IPR, PATENT DRAFTING,  
FILLING & PROCESSING"**

**from 23-12-2022 to 06-01-2023**



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## PROGRAMME OBJECTIVES :

A patent is a document or legal certificate given for protecting a design, utility or innovation, which comes under the broad umbrella of IPRs. Patent drafting: Distinctly identifying the invention in exact terms and understanding the specification of the invention. The course will cover the fundamental principles of patent drafting and discuss in detail the concepts in patent law & IPR.

1. Vital concepts of intellectual property.
2. Importance of Patents in the knowledge economy
3. Tricks & tips to describe an invention in a patent application.

## RESOURCE PERSON :

**Mrs. B. Hemalatha**, Assoc. Professor  
Department of Pharmaceutics

Email: balahemalatha25@gmail.com, Ph. : 9704116807  
Vijaya Institute of Pharmaceutical Sciences for Women

**Mrs. G. Pramoda**, Asst. Professor  
Department of Pharmaceutics

Email: pramodasarath@gmail.com, Ph. : 8500423669  
Vijaya Institute of Pharmaceutical Sciences for Women

## ORGANIZATION COMMITTEE



PRINCIPAL

**Sri B. S. Sri Krishna**  
Secretary, SRK Foundation, Vijayawada

VIJAYA INSTITUTE OF  
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ENIKEPADU, VIJAYAWADA-521 108.

**Mr. S. Venkateswara Rao**  
Programme Co-Ordinator , VIPW, Vijayawada

**Dr. K. Padmalatha**  
Convenor, Principal, VIPW, Vijayawada

## STUDENT CO-ORDINATORS

Ms. K. Mounika  
Ms. K. Himabindu





**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN**  
**Enikepadu, Vijayawada**

**Program Name: IPR, Patent drafting, Filing and Processing**

**Duration: 23<sup>rd</sup> December 2022 to 06<sup>th</sup> January 2023**

**A.Y: 2022 - 23**

**Curriculum Designed and Developed by:**

S. No	Faculty Name	Designation	Signature
1	Dr. S. Venkateswara Rao	Professor	
2	Mrs. A. V. S. Himabindhu	Assoc. Professor	
3	Mrs. B. Hemalatha	Assoc. Professor	
4	Mrs. G. Pramoda	Asst. Professor	



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SESSION	TITLE	DURATION
<b>IPR, Patent drafting, Filling and Processing</b>		
1	Introduction to Intellectual Property Rights (IPR) <ul style="list-style-type: none"> <li>• History of IPR</li> <li>• Rationale for protection of IPR</li> <li>• IPR in India - Genesis and development</li> </ul>	3 hrs
2	International organizations, agencies and treaties. <ul style="list-style-type: none"> <li>• WTO, TRIPS and WIPO</li> </ul> Types of Intellectual Property Rights	3 hrs
3	Introduction to Trademarks. <ul style="list-style-type: none"> <li>• Rights of trademarks</li> <li>• Purpose and functions of trademarks</li> </ul>	3 hrs
4	Introduction to Copyright <ul style="list-style-type: none"> <li>• Rights &amp; protection Covered by Copy rights</li> </ul> Importance of Trade Secret <ul style="list-style-type: none"> <li>• Trade secrets usage in trade and businesses</li> </ul>	3 hrs
5	Concept of Geographical Indications.           Geographical Indications registration in India.           Value of Layout Designs of Integrated Circuits	3 hrs
6	Protection of plant varieties           Significance of Industrial Designs           Registration and protection of design in India and abroad.	3 hrs
7	Patents and its importance           Patent Act -1970	3 hrs

	Patent Amendment Act 2005	
8	Patentable and Non-patentable Inventions Legal requirements for Patents. Types of Patent applications	3 hrs
9	Understanding patent system in India Filing patents outside of India Patent application process	3 hrs
10	Searching patents databases for designing research objectives. Drafting of provisional specifications Drafting of complete specifications	3 hrs
11	Drafting of claims Patent filing procedure in India Patent document, Specifications and claims	3 hrs
12	Patent prosecution in India. Commercial exploitation of IP – Infringement International Treaties for Patent: <ul style="list-style-type: none"> <li>• Patent Co-operation Treaty (PCT)</li> </ul>	3 hrs



  
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 ENIKEPADU, VIJAYAWADA - 521 108





## VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

Permitted by Govt. of A.P., Approved by AICTE, New Delhi  
Pharmacy Council of India, New Delhi, Affiliated to JNTUK  
& Certified by ISO 9001:2015



**Date: 07-01-2023**

### REPORT

**Name of the Program: IPR, Patent Drafting, Filing & Processing**

**Duration: 23-12-2022 to 06-01-2023**

#### **Resource Person Details:**

Mrs. B. Hemalatha

Assoc. Professor

Department of Pharmaceutics

Vijaya Institute of Pharmaceutical

Sciences for Women

Email: balahemalatha25@gmail.com

Contact Number: 9704116807

Mrs. G. Pramoda

Asst. Professor

Department of Pharmaceutics

Vijaya Institute of Pharmaceutical

Sciences for Women

Email: pramodasarath@gmail.com

Contact Number: 8500423669

Vijaya Institute of Pharmaceutical Sciences for Women, Enikepadu, Vijayawada organized a add-on program on **IPR, Patent Drafting, Filing & Processing** for M. Pharmacy students by **Mrs. B. Hemalatha**, Assoc. Professor, Department of Pharmaceutics and **Mrs. G. Pramoda**, Asst. Professor, Department of Pharmaceutics from 23<sup>rd</sup> December 2022 to 6<sup>th</sup> January 2023. This program was designed to educate the students about the advanced information of the said topic in addition to regular curriculum. Totally 15 students participated in this program. Upon completion of the course the students were able to understand the following objectives and gained learning outcomes.

#### **Objectives:**

- ② To understand the vital concepts of intellectual property.
- ② To know the various types of intellectual property rights.
- ② To acquire the preliminary skills of patent drafting.
- ② To obtain knowledge about patents.
- ② To know the process of search and filing of patents.

**Learning outcomes:**

- ② Understand the procedures to convert the research outcome into patents.
- ② Understand patent drafting and commercialization of research work.
- ② Impart greater awareness about the issue of IPRs.

The students found this session to be really educational, and they had nice remarks to make about it. The management and Dr. K. Padmalatha, VIPW's principal, praised Mrs. B. Hemalatha and Mrs. G. Pramoda for their efforts in delivering the students with the extra information.

*S. Hemalatha*  
Coordinator



*K. Padmalatha*  
Principal  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108

**Program Name: IPR, Patent Drafting, Filing and Processing**

**Schedule: 23-12-2022 to 06-01-2023**

**A. Y: 2022-23**

**LIST OF STUDENTS**

S. No	Register No	Name of the Student	Academic Year	Program
1	217N1S0301	Chatragadda Kiranmai	2022-2023	II M.Pharmacy
2	217N1S0302	G. Sandhya Vani	2022-2023	II M.Pharmacy
3	217N1S0303	Tumaty Bhavana	2022-2023	II M.Pharmacy
4	217N1S0304	Chamarthi Suneetha	2022-2023	II M.Pharmacy
5	217N1S0305	Reddy Satya Veni	2022-2023	II M.Pharmacy
6	217N1S0306	Vattikonda Supriya	2022-2023	II M.Pharmacy
7	217N1S0601	Sunkesula Geetha	2022-2023	II M.Pharmacy
8	217N1S0602	Thondepu Pavani Priya	2022-2023	II M.Pharmacy
9	217N1S0603	Pandurangi Susmitha	2022-2023	II M.Pharmacy
10	217N1S0604	Divya Sree Chillara	2022-2023	II M.Pharmacy
11	217N1S0605	Tammu Deepika	2022-2023	II M.Pharmacy
12	217N1S0606	Kunapareddy Manasa	2022-2023	II M.Pharmacy
13	217N1S0607	Borra Lakshmi	2022-2023	II M.Pharmacy
14	217N1S0608	K. Himabindu	2022-2023	II M.Pharmacy
15	217N1S0609	Kampa Mounika	2022-2023	II M.Pharmacy



*Principals*  
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# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

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## Certificate of Completion

This is to certify that

Ms

R. Satya Veni

has successfully completed add on programme on "IPR, PATENT DRAFTING, FILLING AND PROCESSING" from 23-12-2022 to 06-01-2023. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*B.S.K.*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*Principals*  
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ENIKEPADU, VIJAYAWADA-521 108  
*Principals*  
Convenor  
Principal, VIPW



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## Certificate of Completion

This is to certify that

Ms Ch. Suneetha

has successfully completed add on programme on "IPR, PATENT DRAFTING, FILLING AND PROCESSING" from 23-12-2022 to 06-01-2023. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*BSK*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkatesh*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*Padma*  
PRINCIPAL  
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ENIKEPADU, VIJAYAWADA-521, 108

*Padma*  
Prof. K. Padmalatha  
Convenor  
Principal, VIPW



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## Certificate of Completion

This is to certify that

Ms

T. Bhavana

has successfully completed add on programme on "IPR, PATENT DRAFTING, FILLING AND PROCESSING" from 23-12-2022 to 06-01-2023. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*BSK*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*K. Padmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA  
Principal, VIPW



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## Certificate of Completion

This is to certify that

Ms


G. Sandhya Vani


has successfully completed add on programme on "IPR, PATENT DRAFTING, FILLING AND PROCESSING" from 23-12-2022 to 06-01-2023. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

  
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ENIKEPADU, VIJAYAWADA-521108  
Principal, VIPW

  
Prof. K. Padmalatha  
Convenor



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

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## Certificate of Completion

This is to certify that

Ms Ch. Kiranmai

has successfully completed add on programme on "IPR, PATENT DRAFTING, FILLING AND PROCESSING" from 23-12-2022 to 06-01-2023. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*Bm*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkatesh*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*Padmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108  
Convenor  
Principal, VIPW



**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN**

**ENIKEPADU, VIJAYAWADA-521108.**

**DATE: 02.08.2022**

**CIRCULAR**

We would like to inform III B. Pharmacy students have add-on program on "Research Design, Execution and Publication" as per the schedule provided below. As a result, it is hereby communicated to all students that they must attend the programme.

**Schedule: 06<sup>th</sup> August 2022 to 22<sup>nd</sup> October 2022**



*Principal*  
**Principal**  
**VIJAYA INSTITUTE OF**  
**PHARMACEUTICAL SCIENCES FOR WOMEN**  
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*Lekhya*

# AN ADD ON PROGRAMME ON "RESEARCH DESIGN, EXECUTION & PUBLICATION"

from 6-8-2022 to 22-10-2022



Organized By

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SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA

## PROGRAMME OBJECTIVES :

Research design is needed because it facilitates the smooth sailing of the various research operations, thereby making research as efficient as possible yielding maximal information with minimal expenditure of effort, time and money.

1. Critical steps for successful research.
2. Research and publication ethics.
3. Assessment of research findings in scientific journal

## RESOURCE PERSON :

**Dr. S. Sundar**, Professor  
Department of Pharmacology  
Email: abisundar74@gmail.com, Ph. : 7702158114  
Vijaya Institute of Pharmaceutical Sciences for Women

**Mr. V. Srinivas**, Associate Professor  
Department of Science & Humanities  
Email: vemuri.srinivas65@gmail.com, Ph. : 9182693079  
Vijaya Institute of Pharmaceutical Sciences for Women

## ORGANIZATION COMMITTEE

**B. S. Sri Krishna**  
Secretary, SRK Foundation, Vijayawada


**Mr. S. Venkateswara Rao**  
Programme Co-Ordinator, VIPW, Vijayawada

**Dr. K. Padmalatha**  
Convenor, Principal, VIPW, Vijayawada

## STUDENT CO-ORDINATORS

Ms. S. Indulekha  
Ms. G. Kavya



  
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**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN**  
**Enikepadu, Vijayawada**

**Program Name: Research Design, Execution and Publication**

**Duration: 06 – 08 - 2022 to 22 – 10 - 2022**

**A.Y: 2022 - 23**

**Curriculum Designed and Developed by:**

S. No	Faculty Name	Designation	Signature
1	Dr. S. Sundar	Professor	
2	Mr. V. Srinivas	Assoc. Professor	
3	Mrs. M. Vani	Assoc. Professor	
4	Mrs. A. Bhavana	Asst. Professor	



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SESSION	TITLE	DURATION
1	Objectives and types of Research Research approaches Fundamentals in the research process	3 hrs
2	Introduction, methods, results and discussion (IMRAD) structure Extensive Literature Review Developing the hypothesis	3 hrs
3	Preparing the research design Writing experimental protocols Determining sample design	3 hrs
4	Collecting the data Execution of project Analysis of data	3 hrs
5	Hypothesis testing Generalizations and interpretation Preparation of the report	3 hrs
6	Demo on Plagiarism Research and publication ethics Execution of research work done: Demo on Podium Presentation & Poster Presentation	3 hrs
7	Scientific communication An overview of paper structure and thesis writing Art of writing review article and research article	3 hrs
8	Citation and writing acknowledgement Language and style in publication Working with journals	3 hrs
9	Poster and oral presentations at conferences Importance of Biostatistics Statistical methods of results analysis	3 hrs

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10	Application of statistical software in the result analysis Recent trends in pharmaceutical research Commercialization of research work – IPRs and patents	3 hrs
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*S. Venkatesh*  
Coordinator



*S. Venkatesh*  
Principal

**PRINCIPAL**  
**VIJAYA INSTITUTE OF**  
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ENIKEPADU, VIJAYAWADA - 521 108

**Date: 25-10-2022**

## REPORT

**Name of the Program:** Research Design, Execution & Publication

**Duration:** 06-08-2022 to 22-10-2022

### **Resource Person Details:**

Dr. S. Sundar

Professor

Department of Pharmacology

Vijaya Institute of Pharmaceutical

Sciences for Women

Email: abisundar74@gmail.com

Contact Number: 7702158114

Mr. V. Srinivas

Assoc. Professor

Department of Science & Humanities

Vijaya Institute of Pharmaceutical

Sciences for Women

Email: vemuri.srinivas65@gmail.com


Contact Number: 9182693079

Vijaya Institute of Pharmaceutical Sciences for Women, Enikepadu, Vijayawada organized a add on program on **Research Design, Execution & Publication** for III year B. Pharmacy students by the faculty members **Dr. S. Sundar**, Professor, Department of Pharmacology and **Mr. V. Srinivas**, Assoc. Professor, Department of Science & Humanities from 6<sup>th</sup> August 2022 to 22<sup>nd</sup> October 2022. 107 students in all took part in this training course. The following aims and objectives were able to be understood by all of the students after they had participated actively in the programme.

### **Objectives:**

- To assist participants to develop a research or study protocol, and communicate those research findings in a conference setting or scientific journal.
- To know critical steps for successful research.
- To know research and publication ethics.



  
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**Learning outcomes:**

- Sequential steps in developing a study protocol, from choosing a research topic to developing research questions and a hypothesis.
- Writing and understanding the components of a research paper (IMRaD).
- Statistical analysis in biomedical research.
- Evidence-based discussion in a research paper.

The students found this curriculum to be very helpful, and they gave it favourable reviews. The Principal Dr. K. Padmalatha thanked the resource persons Dr. S. Sundar, Mr. V. Srinivas and participants for making the program successful.

*S. Sundar*  
Coordinator



*K. Padmalatha*  
Principal  
VIJAYA INSTITUTE OF  
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**Program Name: Research Design, Execution and Publication**

**Schedule: 06-08-2022 to 22-10-2022**

**A. Y: 2022-23**

**List of Students**

S. No	Register No	Name of the Student	Program
1	207NIR0001	Malappurathu Prajeetha Prakash	III B.Pharmacy
2	207NIR0002	Samudrala Indulekha	III B.Pharmacy
3	207NIR0003	Kolluru Lohitha	III B.Pharmacy
4	207NIR0004	Gummadi Lediya Grace	III B.Pharmacy
5	207NIR0005	Piratla Lekha Sree	III B.Pharmacy
6	207NIR0006	Vemula Neena Joy Elizabeth Rani	III B.Pharmacy
7	207NIR0007	Tripuraneni Lakshmi Sravani	III B.Pharmacy
8	207NIR0008	Gettiboina Kavya	III B.Pharmacy
9	207NIR0009	Kunapareddy Sowjanya Lakshmi	III B.Pharmacy
10	207NIR0010	Choragudi Manasa	III B.Pharmacy
11	207NIR0011	Aarepalli Charani	III B.Pharmacy
12	207NIR0012	Singipogu Soniya	III B.Pharmacy
13	207NIR0013	Sikhakolli Jyothsna Bhavani	III B.Pharmacy
14	207NIR0014	Kalapala Haritha Sri	III B.Pharmacy
15	207NIR0015	Dudekula Reshma	III B.Pharmacy
16	207NIR0016	V.Dilli Kumari	III B.Pharmacy

Contd....2

S. No	Register No	Name of the Student	Program
17	207NIR0017	Naga Kanaka Durga Perike	III B.Pharmacy
18	207NIR0018	Tammu Raja Rajeswari	III B.Pharmacy
19	207NIR0019	Kolli Naga Sravani Lakshmi Durga	III B.Pharmacy
20	207NIR0020	Kolusu Sirisha	III B.Pharmacy
21	207NIR0021	Gorre Bindu	III B.Pharmacy
22	207NIR0022	Jolapalli Vasundhara	III B.Pharmacy
23	207NIR0023	Kothagundla Bhavani Tulasi	III B.Pharmacy
24	207NIR0024	Masanam Bhavana	III B.Pharmacy
25	207NIR0025	Tummalacharla Indumathi	III B.Pharmacy
26	207NIR0026	Kacharam Abinaya Purna	III B.Pharmacy
27	207NIR0027	Dudekula Ameena	III B.Pharmacy
28	207NIR0028	Bottada Gnanapreethika	III B.Pharmacy
29	207NIR0029	Polumuri Kalyani	III B.Pharmacy
30	207NIR0030	Chunduri Deepika	III B.Pharmacy
31	207NIR0031	Papana Sravani	III B.Pharmacy
32	207NIR0032	Gangula Priyanka	III B.Pharmacy
33	207NIR0033	Atmakuri Nandini	III B.Pharmacy
34	207NIR0034	Mekala Guna Sri	III B.Pharmacy
35	207NIR0035	Jinugu Preethi	III B.Pharmacy
36	207NIR0036	Mohammed Fathima Zehra	III B.Pharmacy

Contd....3

S. No	Register No	Name of the Student	Program
37	207NIR0037	Lakshmipuram Anusha	III B.Pharmacy
38	207NIR0038	Bonthu Harshini	III B.Pharmacy
39	207NIR0039	Chakka Devi Priya	III B.Pharmacy
40	207NIR0040	Kadiyala Sri Padma	III B.Pharmacy
41	207NIR0041	Ithamrajula Navasri	III B.Pharmacy
42	207NIR0042	Pilli Varshitha Naga Sai	III B.Pharmacy
43	207NIR0043	Masimukku Kalyani	III B.Pharmacy
44	207NIR0044	Majji Pejwala	III B.Pharmacy
45	207NIR0045	Gollamandala Samrudhi	III B.Pharmacy
46	207NIR0046	Bala Harika Rathan	III B.Pharmacy
47	207NIR0047	Budalasanthi	III B.Pharmacy
48	207NIR0048	Pallapothu Namratha	III B.Pharmacy
49	207NIR0049	Bondu Keerthana	III B.Pharmacy
50	207NIR0050	Kotapati Kshiti	III B.Pharmacy
51	207NIR0051	Boggavarapu Vijaya Sudha	III B.Pharmacy
52	207NIR0052	Vuyyuru Sai Sri Saranya	III B.Pharmacy
53	207NIR0053	Vaija Sankeerthana	III B.Pharmacy
54	207NIR0054	Racheti Priyadarshini	III B.Pharmacy
55	207NIR0055	Posina Estheru Rani	III B.Pharmacy
56	207NIR0056	Gampa Sravanthee	III B.Pharmacy

Contd....4

S. No	Register No	Name of the Student	Program
57	207NIR0057	Dekka Kavyasri	III B.Pharmacy
58	207NIR0058	Bhamidipati Sri Krishna Sravya	III B.Pharmacy
59	207NIR0059	Jada.Bhavya Sri	III B.Pharmacy
60	207NIR0060	Chitturi Raja Rajeswari Devi	III B.Pharmacy
61	207NIR0061	Balaboyina Hemalatha	III B.Pharmacy
62	207NIR0062	Kore Prasanna	III B.Pharmacy
63	207NIR0063	Shaik Lafisa Thowsin	III B.Pharmacy
64	207NIR0064	Munnangi Jasmine	III B.Pharmacy
65	207NIR0065	Shaik Sabiha Taslim	III B.Pharmacy
66	207NIR0066	Dega Bhargavi	III B.Pharmacy
67	207NIR0067	Kunduru Venkata Yamini	III B.Pharmacy
68	207NIR0068	Regula Pujitha	III B.Pharmacy
69	207NIR0069	Samatham.Suma Latha	III B.Pharmacy
70	207NIR0070	Saripalli Anudeepika	III B.Pharmacy
71	207NIR0071	Katta Anupriya	III B.Pharmacy
72	207NIR0072	Koduri Chandana Sai	III B.Pharmacy
73	207NIR0073	Sunkara Sumavarshini	III B.Pharmacy
74	207NIR0074	Bobbili Rani	III B.Pharmacy
75	207NIR0075	Nukala Buelah Blessy	III B.Pharmacy
76	207NIR0076	Viswanadhapalli Harshitha	III B.Pharmacy

Contd....5

S. No	Register No	Name of the Student	Program
77	207NIR0077	Poliseti Jahnvi	III B.Pharmacy
78	207NIR0078	Shaik Farheen	III B.Pharmacy
79	207NIR0079	Mandapaka Hanisha	III B.Pharmacy
80	207NIR0080	Yadamakanti Hemalatha	III B.Pharmacy
81	207NIR0081	Boyina Sri Naga Ramya	III B.Pharmacy
82	207NIR0082	Chandolu Lakshmi Akhila Jahnvi	III B.Pharmacy
83	207NIR0083	Govindayapalli Bindu Harshitha	III B.Pharmacy
84	207NIR0084	Shaik Noorjahan	III B.Pharmacy
85	207NIR0085	Vallabhaneni Sivani	III B.Pharmacy
86	207NIR0086	Akunuri Sai Divya	III B.Pharmacy
87	207NIR0087	Batta Deevena	III B.Pharmacy
88	207NIR0088	Katikala Geetha Pravallika	III B.Pharmacy
89	207NIR0089	Lanka Rajini	III B.Pharmacy
90	207NIR0090	Damineni Urmila	III B.Pharmacy
91	207NIR0091	Pasupuleti Vijaya Bhargavi	III B.Pharmacy
92	207NIR0092	Shaik Sharmila	III B.Pharmacy
93	207NIR0093	Rayaa Sri Keerthi Reddy	III B.Pharmacy
94	207NIR0094	Gopu Navyatha	III B.Pharmacy
95	207NIR0095	Pasupula Tulasi	III B.Pharmacy
96	207NIR0096	Parakat Tanmaimeenakshi	III B.Pharmacy

Contd....6

S. No	Register No	Name of the Student	Program
97	207NIR0097	Thalamala Princy	III B.Pharmacy
98	207NIR0098	Simhadri Vijayalakshmi	III B.Pharmacy
99	207NIR0099	Vemula Vijaya Lakshmi	III B.Pharmacy
100	207NIR00A0	Chilakabathini Keziah Rani	III B.Pharmacy
101	207NIR00A1	A. C. K. Gari Uma Maheswari	III B.Pharmacy
102	207NIR00A2	Sharief Aaliya Azmi	III B.Pharmacy
103	207NIR00A3	Thirumalasetty Ruchita Rani	III B.Pharmacy
104	207NIR00A4	Parise Sneha Sri	III B.Pharmacy
105	207NIR00A5	Kambhampati Neha	III B.Pharmacy
106	207NIR00A6	Sudarsanam Sarvani	III B.Pharmacy
107	207NIR00A7	Mulpuru Suchithra	III B.Pharmacy



  
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# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

ENIKEPADU, VIJAYAWADA - 521 108.



## Certificate of Completion

This is to certify that

Ms

*D. Lekha Sree*

has successfully completed add on programme on **"RESEARCH DESIGN, EXECUTION & PUBLICATION"** from 6-8-2022 to 22-10-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*Bm*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*K. Padmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108.  
Principal, VIPW



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

ENIKEPADU, VIJAYAWADA - 521 108.



## Certificate of Completion

This is to certify that

Ms G. Lediya Grace

has successfully completed add on programme on **"RESEARCH DESIGN, EXECUTION & PUBLICATION"** from 6-8-2022 to 22-10-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*Bm*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*K. Padmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108  
Prof. K. Padmalatha  
Convener  
Principal, VIPW





# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

ENIKEPADU, VIJAYAWADA - 521 108.



## Certificate of Completion

This is to certify that

Ms

*K. Lohitha*

has successfully completed add on programme on **"RESEARCH DESIGN, EXECUTION & PUBLICATION"** from 6-8-2022 to 22-10-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*Bm*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*K. Padmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108  
Convenor  
Principal, VIPW



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

ENIKEPADU, VIJAYAWADA - 521 108.



## Certificate of Completion

This is to certify that

Ms S. Indulekha

has successfully completed add on programme on "RESEARCH DESIGN, EXECUTION & PUBLICATION" from 6-8-2022 to 22-10-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*Bm*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*Katha*  
*atha*  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA  
Convenor  
Principal, VIPW



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

ENIKEPADU, VIJAYAWADA - 521 108.



## Certificate of Completion

This is to certify that

Ms M. Prajetha Prakash

has successfully completed add on programme on **"RESEARCH DESIGN, EXECUTION & PUBLICATION"** from 6-8-2022 to 22-10-2022. Organised by VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN, Enikepadu, Vijayawada.

*Bm*  
Sri B. S. Sri Krishna  
Secretary  
SRK Foundation



*S. Venkateswara Rao*  
Dr. S. Venkateswara Rao  
Programme Co-Ordinator  
VIPW

*Pradmalatha*  
PRINCIPAL  
VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108  
Co-Venor  
Principal, VIPW

**VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN**

**ENIKEPADU, VIJAYAWADA-521108.**

**DATE: 20.03.2023**

**CIRCULAR**

We would like to inform III B. Pharmacy and IV B. Pharmacy students have certificate program on “Global Pharmaceutical Industrial Practices Level - II” as per the schedule given below. Hence, all the students are hereby informed to attend the program without fail.

**Schedule: 27<sup>th</sup> March 2023 to 1<sup>st</sup> April 2023**



*Principle*  
Principal  
**VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA - 521 108**

*[Faint handwritten notes and signatures]*

*8*

*AKR*

*Reshma*

*Krupa*

*Heethu*



# VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

Approved by AICTE, PCI New Delhi, Affiliated to JNTUK  
Enikepadu, Vijayawada, Andhra Pradesh 521108

*A Six Day Training Program on*

## GLOBAL PHARMACEUTICAL INDUSTRIAL PRACTICES LEVEL-II

**SCPC**



in Association with

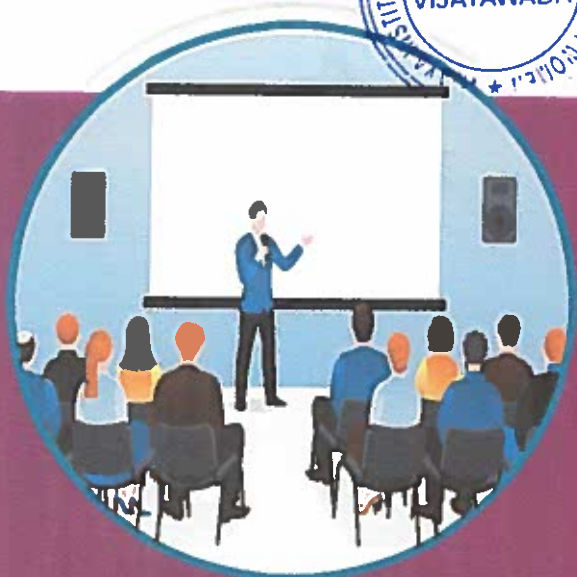
**SCONCORD PHARMA  
CONSULTANTS**

Balewadi, Pune 411045, Maharashtra, India



**27<sup>th</sup> March - 1<sup>st</sup> April 2023**

NO REGISTRATION FEE | E-CERTIFICATE TO ALL PARTICIPANTS  
PRINCIPAL  
VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA 521108.



**Dr. Sudhakar Sagaram,**

Director

Flat.No.4, Viswadeep apartment,  
Balewadi, Pune 411045, Maharashtra, India

**Dr. S. Venkateswara Rao**  
Coordinator, IQAC

Convener  
**Prof. Dr. K. PADMALATHA**  
Principal

# SCONCORD PHARMA CONSULTANTS



## Program Name: Global Pharmaceutical Industrial Practices Level - II

Duration: 27<sup>th</sup> March 2023 to 1<sup>st</sup> April 2023

A.Y: 2022 - 23

S. No	Topic	Duration in hours	Out come
Day -1	Indian culture and Health Values	3	Understanding the importance of the Indian culture
1.			
2.	Interdiction to Indian and global Pharma sector	2	Clear understanding of Indian pharmaceutical sector
3.	Carrier opportunities in health sector	3	Different kinds of opportunity in Indian sector
Day-2	Interdiction Documentation in Pharmaceutical sector Good Documentation Practices GDP and cGMP and different	4	The participants shall obtain the knowledge of document and preparation and execution of the procedures
4.			
5.	Introduction to different kinds of documentation and role of documents in pharmaceutical sector	4	Understand the different kinds of documents and their role and importance
Day -3	Different type of documents of Validation activities in Pharmaceutical industries	4	Understanding what were the different types of validation involving in the pharmaceuticals
6.			
7.	Validation activities and different types of validations and their Importance in Production Quality Control Department and utility and the roles and responsibilities of different people in the validation activities	4	Validation of analytical methods validations and what is the method transfer and understanding of roles and responsibilities of persons of different departments
Day-4	Cleaning validation activities and execution of different types of cleaning activities	3	Understanding of the importance of cleaning validation and DHT and CHT
8			
9	Process validation introduction and different kinds of validation procedures	0.45	Understanding of process validation And different types of validations

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SCPC



Day-5 10.	Introduction and different stages in the product development	2	Understanding of different kinds of process stages and their importance
11	Introduction to clean room in Pharmaceutical sector procurement procedures Different classifications of clean room areas	3	Understand the clean room and the importance of the clean room. Understanding of different classification by ISO, USFDA and EDQMS
12	Different Control sources of complaints in maintaining of clean rooms	2	Understanding aseptically produced products, contamination control and obtain knowledge about various associations and regulatory bodies published guidance documents about many safeguards required to ensure compliance with requirements, and control of the viable and nonviable particles.
13	The material and man movements in the clean room environment	2	Understand the man and material movements in the clean room environment.
Day-6 14.	HVAC system and the execution of heating ventilation and air conditioner for clean room	3	Understanding what is HVAC and the principal of different filters
15.	Different kinds of Change rooms in the pharmaceutical processing activities.	2	Understanding of what is change rooms and different types of change controls
16.	Validation procedures for the HVAC	2	Understanding of procedure of HVAC validation
17.	Conclusion and participants feedback	1	The trainer will understand the gaps in his training activities and the expectations of participants



*[Signature]*  
PRINCIPAL

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ENIKEPADU, VIJAYAWADA-521 108.



## VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN

Permitted by Govt. of A.P., Approved by AICTE, New Delhi  
Pharmacy Council of India, New Delhi, Affiliated to JNTUK  
& Certified by ISO 9001:2015



Date: 03-04-2023

### REPORT

**Name of the Program:** Global Pharmaceutical Industrial Practices Level - II

**Duration:** 27-03-2023 to 01-04-2023

#### **Resource Person Details:**

Dr. Sagaram Sudhakar

Director

Sconcord Pharma Consultants

Flat No. 4, Viswadeep Apartment

Balewadi, Pune 411045

Maharashtra, India

Email: sconcordepharma@gmail.com

Contact: 9665670843

Dr. S. Sudhakar, Director of Sconcord Pharma Consultants, organized a six-day training programme on Global Pharmaceutical Industrial Practices Level - II for III and IV year B. Pharmacy students at the Vijaya Institute of Pharmaceutical Sciences for Women in Enikepadu, Vijayawada from March 27 to April 1, 2023. 201 students in all took part in this training course. All of the students participated actively, and upon programme completion, they were able to comprehend the following objectives and achieve learning outcomes.

#### **Objectives:**

- ② To make students familiar to Good Documentation Practices (GDP) and current Good Manufacturing Practices (cGMP).
- ② To know different kinds of documentation and role of documents in pharmaceutical sector.
- ② To be familiar with validation activities in pharmaceutical industries.



- ☉ To understand cleaning validation activities and execution of different types of cleaning activities.
- ☉ To know process validation introduction and different kinds of validation procedures.
- ☉ To obtain knowledge of to clean room and classification of clean room areas in pharmaceutical sector.
- ☉ To be familiar with validation procedures for the HVAC systems.

**Learning outcomes:**

- ☉ Gained the knowledge of document preparation and execution of the procedures.
- ☉ Understood the different types of validation in the pharmaceuticals.
- ☉ Obtained knowledge on analytical method validation and method transfer.
- ☉ Skilled at process validation and cleaning validation aspects.
- ☉ Understood the clean room and the importance of the clean room.
- ☉ Learned the procedure for validation of utility systems like HVAC.



The students found this programme to be really helpful, and they gave it great reviews. The resource person, Dr. S. Sudhakar, and the participants were thanked by the principal, Dr. K. Padmalatha, for making the programme successful.

*S. Venkatesh Rao*  
Coordinator

*Dr. K. Padmalatha*  
Principal



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VIJAYA INSTITUTE OF  
PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108.

**Program Name: Global Pharmaceutical Industrial Practices Level - II**

**Schedule: 27-03-2023 to 01-04-2023**

**A. Y: 2022-23**

**List of Students**

S. No	Register No	Name of the Student	Program
1	197N1R0001	Doguparthi Naga Prathyusha	IV B.Pharmacy
2	197N1R0002	Gollapudi Udaya Sree	IV B.Pharmacy
3	197N1R0003	Tavva Hara Naga Sai Krishnasri Harshitha	IV B.Pharmacy
4	197N1R0004	Kanukolanu Aarika	IV B.Pharmacy
5	197N1R0005	Chapala Naga Lakshmi Lavanya	IV B.Pharmacy
6	197N1R0006	Davuluri Ooha	IV B.Pharmacy
7	197N1R0007	Dagam Phani Sree	IV B.Pharmacy
8	197N1R0008	Mohammed Zyba	IV B.Pharmacy
9	197N1R0009	Joseph Sharon	IV B.Pharmacy
10	197N1R0010	Kaki Devi	IV B.Pharmacy
11	197N1R0011	Sabnaveesu Naga Venkata Sasi Lavanya	IV B.Pharmacy
12	197N1R0013	Mulaka Vyshnavi	IV B.Pharmacy
13	197N1R0014	Lakkireddy Sai Lalitha	IV B.Pharmacy
14	197N1R0015	Velagapudi Sai Charitha	IV B.Pharmacy
15	197N1R0016	Vinuthna Rallapalli	IV B.Pharmacy

Contd....2

S. No	Register No	Name of the Student	Program
16	197N1R0017	Regandla Vakula Devi	IV B.Pharmacy
17	197N1R0018	Daram Udaya Pujitha	IV B.Pharmacy
18	197N1R0019	Nidhi Roy Paliyath	IV B.Pharmacy
19	197N1R0020	Chintamalla Tejaswi	IV B.Pharmacy
20	197N1R0021	Usha Lakshmi Paluvayee	IV B.Pharmacy
21	197N1R0022	Gummadi Sri Ramya	IV B.Pharmacy
22	197N1R0023	Pitta Likhita Harsha	IV B.Pharmacy
23	197N1R0024	Erupula Sasi Kala	IV B.Pharmacy
24	197N1R0025	Thiriveedhi Naveeja	IV B.Pharmacy
25	197N1R0026	Jonnakuti Venkata Lakshmi Jahnavi	IV B.Pharmacy
26	197N1R0027	Ramavathu Sailaja Bai	IV B.Pharmacy
27	197N1R0028	Karuparthi Sashanka	IV B.Pharmacy
28	197N1R0029	Pedasanaganti Aparna	IV B.Pharmacy
29	197N1R0030	Nalluri Dharani	IV B.Pharmacy
30	197N1R0031	Talla Poornima	IV B.Pharmacy
31	197N1R0032	Kotha Tejaswini	IV B.Pharmacy
32	197N1R0034	Tirumareddy Akhila	IV B.Pharmacy
33	197N1R0035	Mallempati Hareesha	IV B.Pharmacy
34	197N1R0036	Mohammad Afreena	IV B.Pharmacy
35	197N1R0037	Mohammed Ashraff Sulthana	IV B.Pharmacy
36	197N1R0038	Gone Vasantha Kumari	IV B.Pharmacy
37	197N1R0039	Bale Divya	IV B.Pharmacy

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S. No	Register No	Name of the Student	Program
38	197N1R0040	Ravulapalli Thrisalini	IV B.Pharmacy
39	197N1R0041	Seethamraju Saraswathi Samanvitha	IV B.Pharmacy
40	197N1R0042	Rapakula Lahari	IV B.Pharmacy
41	197N1R0043	Battula Yaswanthi	IV B.Pharmacy
42	197N1R0044	Jonna Kalyani	IV B.Pharmacy
43	197N1R0045	Regandla Gnana Krishna Sree	IV B.Pharmacy
44	197N1R0046	Nalluru Jothika	IV B.Pharmacy
45	197N1R0047	Veerepalli Swetha	IV B.Pharmacy
46	197N1R0048	Shaik Afreen	IV B.Pharmacy
47	197N1R0049	Dandu Sonika	IV B.Pharmacy
48	197N1R0050	Boddu Sravani	IV B.Pharmacy
49	197N1R0051	Supraja Naidu Kotha	IV B.Pharmacy
50	197N1R0052	Motukuru Dharani	IV B.Pharmacy
51	197N1R0053	Gajula Bhavani	IV B.Pharmacy
52	197N1R0054	Rajulapati Tejasri Bhavani	IV B.Pharmacy
53	197N1R0055	Valluru Sai Durga	IV B.Pharmacy
54	197N1R0056	Shaik Ayesha Parveen	IV B.Pharmacy
55	197N1R0057	Ummaka Renuka	IV B.Pharmacy
56	197N1R0058	Garimella Preethi Chowdary	IV B.Pharmacy
57	197N1R0059	Alahari Bindu Sravya	IV B.Pharmacy
58	197N1R0060	Gottumukkala Sri Lakshmi	IV B.Pharmacy

Contd....4

S. No	Register No	Name of the Student	Program
59	197N1R0061	Chereddy Geetha Sri	IV B.Pharmacy
60	197N1R0062	Kota Lakshmi Amrutha	IV B.Pharmacy
61	197N1R0064	Chimata Jahnvi	IV B.Pharmacy
62	197N1R0065	Bavireddy Haritha	IV B.Pharmacy
63	197N1R0066	Seelam Meghana	IV B.Pharmacy
64	197N1R0067	Sundaram Ganesh Supriya	IV B.Pharmacy
65	197N1R0068	Challagalla Pravallika	IV B.Pharmacy
66	197N1R0069	Inti Sravani	IV B.Pharmacy
67	197N1R0070	Budala Mounika	IV B.Pharmacy
68	197N1R0071	Kolusu Chaitanya	IV B.Pharmacy
69	197N1R0072	Tippasani Pavani	IV B.Pharmacy
70	197N1R0073	Ala Jyothi Sravani	IV B.Pharmacy
71	197N1R0074	Vadlamudi Bhumika	IV B.Pharmacy
72	197N1R0075	Rebba Sowmya	IV B.Pharmacy
73	197N1R0076	Puramsetti Sai Geethika	IV B.Pharmacy
74	197N1R0077	Lakshmi Devi Sigatapu	IV B.Pharmacy
75	197N1R0078	Ammireddy Geetha	IV B.Pharmacy
76	197N1R0079	Puppala Uha Devi	IV B.Pharmacy
77	197N1R0080	Kancharla Sravya	IV B.Pharmacy
78	197N1R0081	Bejjam Jahnvi	IV B.Pharmacy
79	197N1R0083	Boncheruvu Swapna	IV B.Pharmacy
80	197N1R0084	Pulavarthi Suma	IV B.Pharmacy

Contd....5

S. No	Register No	Name of the Student	Program
81	197N1R0085	Boyina Supriya	IV B.Pharmacy
82	197N1R0086	Padala Bebitha	IV B.Pharmacy
83	197N1R0087	Gorrumuchhu Mery Harshitha	IV B.Pharmacy
84	197N1R0088	Muddamsetty Harsha	IV B.Pharmacy
85	197N1R0089	Seelam Deepthi	IV B.Pharmacy
86	197N1R0090	Rachapalli Navyasridevi	IV B.Pharmacy
87	197N1R0091	Adarapu Uma Devi	IV B.Pharmacy
88	197N1R0092	Peram Mounika	IV B.Pharmacy
89	197N1R0093	Yennabattena Mounika	IV B.Pharmacy
90	197N1R0094	Tullimilli Pushpa Naga Jyothi	IV B.Pharmacy
91	197N1R0095	Pillariseti Jyothsna	IV B.Pharmacy
92	197N1R0096	Yerreddu Sravanthi	IV B.Pharmacy
93	197N1R0099	Nimmakuri Samyukta	IV B.Pharmacy
94	197N1R0100	Vara Sudha Rani	IV B.Pharmacy
95	207NIR0001	Malappurathu Prajeetha Prakash	III B.Pharmacy
96	207NIR0002	Samudrala Indulekha	III B.Pharmacy
97	207NIR0003	Kolluru Lohitha	III B.Pharmacy
98	207NIR0004	Gummadi Lediya Grace	III B.Pharmacy
99	207NIR0005	Piratla Lekha Sree	III B.Pharmacy
100	207NIR0006	Vemula Neena Joy Elizabeth Rani	III B.Pharmacy
101	207NIR0007	Tripuraneni Lakshmi Sravani	III B.Pharmacy

Contd...6

S. No	Register No	Name of the Student	Program
102	207NIR0008	Gettiboina Kavya	III B.Pharmacy
103	207NIR0009	Kunapareddy Sowjanya Lakshmi	III B.Pharmacy
104	207NIR0010	Choragudi Manasa	III B.Pharmacy
105	207NIR0011	Aarepalli Charani	III B.Pharmacy
106	207NIR0012	Singipogu Soniya	III B.Pharmacy
107	207NIR0013	Sikhakolli Jyothsna Bhavani	III B.Pharmacy
108	207NIR0014	Kalapala Haritha Sri	III B.Pharmacy
109	207NIR0015	Dudekula Reshma	III B.Pharmacy
110	207NIR0016	V.Dilli Kumari	III B.Pharmacy
111	207NIR0017	Naga Kanaka Durga Perike	III B.Pharmacy
112	207NIR0018	Tammu Raja Rajeswari	III B.Pharmacy
113	207NIR0019	Kolli Naga Sravani Lakshmi Durga	III B.Pharmacy
114	207NIR0020	Kolusu Sirisha	III B.Pharmacy
115	207NIR0021	Gorre Bindu	III B.Pharmacy
116	207NIR0022	Jolapalli Vasundhara	III B.Pharmacy
117	207NIR0023	Kothagundla Bhavani Tulasi	III B.Pharmacy
118	207NIR0024	Masanam Bhavana	III B.Pharmacy
119	207NIR0025	Tummalacharla Indumathi	III B.Pharmacy
120	207NIR0026	Kacharam Abinaya Purna	III B.Pharmacy
121	207NIR0027	Dudekula Ameena	III B.Pharmacy
122	207NIR0028	Bottada Gnanapreethika	III B.Pharmacy
123	207NIR0029	Polumuri Kalyani	III B.Pharmacy

Contd....7

S. No	Register No	Name of the Student	Program
124	207NIR0030	Chunduri Deepika	III B.Pharmacy
125	207NIR0031	Papana Sravani	III B.Pharmacy
126	207NIR0032	Gangula Priyanka	III B.Pharmacy
127	207NIR0033	Atmakuri Nandini	III B.Pharmacy
128	207NIR0034	Mekala Guna Sri	III B.Pharmacy
129	207NIR0035	Jinugu Preethi	III B.Pharmacy
130	207NIR0036	Mohammed Fathima Zehra	III B.Pharmacy
131	207NIR0037	Lakshmipuram Anusha	III B.Pharmacy
132	207NIR0038	Bonthu Harshini	III B.Pharmacy
133	207NIR0039	Chakka Devi Priya	III B.Pharmacy
134	207NIR0040	Kadiyala Sri Padma	III B.Pharmacy
135	207NIR0041	Ithamrajula Navasri	III B.Pharmacy
136	207NIR0042	Pilli Varshitha Naga Sai	III B.Pharmacy
137	207NIR0043	Masimukku Kalyani	III B.Pharmacy
138	207NIR0044	Majji Pejwala	III B.Pharmacy
139	207NIR0045	Gollamandala Samrudhi	III B.Pharmacy
140	207NIR0046	Bala Harika Rathan	III B.Pharmacy
141	207NIR0047	Budalasanthi	III B.Pharmacy
142	207NIR0048	Pallapothu Namratha	III B.Pharmacy
143	207NIR0049	Bondu Keerthana	III B.Pharmacy
144	207NIR0050	Kotapati Kshiti	III B.Pharmacy
145	207NIR0051	Boggavarapu Vijaya Sudha	III B.Pharmacy

Contd....8



S. No	Register No	Name of the Student	Program
146	207NIR0052	Vuyyuru Sai Sri Saranya	III B.Pharmacy
147	207NIR0053	Vaija Sankeerthana	III B.Pharmacy
148	207NIR0054	Racheti Priyadarshini	III B.Pharmacy
149	207NIR0055	Posina Estheru Rani	III B.Pharmacy
150	207NIR0056	Gampa Sravanthee	III B.Pharmacy
151	207NIR0057	Dekka Kavyasri	III B.Pharmacy
152	207NIR0058	Bhamidipati Sri Krishna Sravya	III B.Pharmacy
153	207NIR0059	Jada.Bhavya Sri	III B.Pharmacy
154	207NIR0060	Chitturi Raja Rajeswari Devi	III B.Pharmacy
155	207NIR0061	Balaboyina Hemalatha	III B.Pharmacy
156	207NIR0062	Kore Prasanna	III B.Pharmacy
157	207NIR0063	Shaik Lafisa Thowsin	III B.Pharmacy
158	207NIR0064	Munnangi Jasmine	III B.Pharmacy
159	207NIR0065	Shaik Sabiha Taslim	III B.Pharmacy
160	207NIR0066	Dega Bhargavi	III B.Pharmacy
161	207NIR0067	Kunduru Venkata Yamini	III B.Pharmacy
162	207NIR0068	Regula Pujitha	III B.Pharmacy
163	207NIR0069	Samatham.Suma Latha	III B.Pharmacy
164	207NIR0070	Saripalli Anudeepika	III B.Pharmacy
165	207NIR0071	Katta Anupriya	III B.Pharmacy
166	207NIR0072	Koduri Chandana Sai	III B.Pharmacy
167	207NIR0073	Sunkara Sumavarshini	III B.Pharmacy

Contd....9

S. No	Register No	Name of the Student	Program
168	207NIR0074	Bobbili Rani	III B.Pharmacy
169	207NIR0075	Nukala Buelah Blessy	III B.Pharmacy
170	207NIR0076	Viswanadhapalli Harshitha	III B.Pharmacy
171	207NIR0077	Poliseti Jahnvi	III B.Pharmacy
172	207NIR0078	Shaik Farheen	III B.Pharmacy
173	207NIR0079	Mandapaka Hanisha	III B.Pharmacy
174	207NIR0080	Yadamakanti Hemalatha	III B.Pharmacy
175	207NIR0081	Boyina Sri Naga Ramya	III B.Pharmacy
176	207NIR0082	Chandolu Lakshmi Akhila Jahnvi	III B.Pharmacy
177	207NIR0083	Govindayapalli Bindu Harshitha	III B.Pharmacy
178	207NIR0084	Shaik Noorjahan	III B.Pharmacy
179	207NIR0085	Vallabhaneni Sivani	III B.Pharmacy
180	207NIR0086	Akunuri Sai Divya	III B.Pharmacy
181	207NIR0087	Batta Deevena	III B.Pharmacy
182	207NIR0088	Katikala Geetha Pravallika	III B.Pharmacy
183	207NIR0089	Lanka Rajini	III B.Pharmacy
184	207NIR0090	Damineni Urmila	III B.Pharmacy
185	207NIR0091	Pasupuleti Vijaya Bhargavi	III B.Pharmacy
186	207NIR0092	Shaik Sharmila	III B.Pharmacy
187	207NIR0093	Rayaa Sri Keerthi Reddy	III B.Pharmacy
188	207NIR0094	Gopu Navyatha	III B.Pharmacy
189	207NIR0095	Pasupula Tulasi	III B.Pharmacy

Contd....10

S. No	Register No	Name of the Student	Program
190	207NIR0096	Parakat Tanmaimeenakshi	III B.Pharmacy
191	207NIR0097	Thalamala Princy	III B.Pharmacy
192	207NIR0098	Simhadri Vijayalakshmi	III B.Pharmacy
193	207NIR0099	Vemula Vijaya Lakshmi	III B.Pharmacy
194	207NIR00A0	Chilakabathini Keziah Rani	III B.Pharmacy
195	207NIR00A1	A. C. K. Gari Uma Maheswari	III B.Pharmacy
196	207NIR00A2	Sharief Aaliya Azmi	III B.Pharmacy
197	207NIR00A3	Thirumalasetty Ruchita Rani	III B.Pharmacy
198	207NIR00A4	Parise Sneha Sri	III B.Pharmacy
199	207NIR00A5	Kambhampati Neha	III B.Pharmacy
200	207NIR00A6	Sudarsanam Sarvani	III B.Pharmacy
201	207NIR00A7	Mulpuru Suchithra	III B.Pharmacy



  
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**ENIKEPADU, VIJAYAWADA - 521 100**

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# Certificate

## OF APPRECIATION



This is to certify that Ms. Ch. Naga Lakshmi Lavanya  
student of VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,  
Enikepadu, Vijayawada bearing Reg. No. 197NIR0005 has successfully  
completed 6-day training program on GLOBAL PHARMACEUTICAL INDUSTRIAL  
PRACTICES LEVEL - II Organized by SCONCORD PHARMA CONSULTANTS from  
27<sup>th</sup> March to 1<sup>st</sup> April 2023.

Program ID : AP.23.02



*S. Venkatesh*  
IQAC Coordinator

*S. Venkatesh*  
Coordinator

*S. Venkatesh*

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PHARMACEUTICAL SCIENCES FOR WOMEN  
ENIKEPADU, VIJAYAWADA-521 108



*S. Venkatesh*  
Director

SCPC



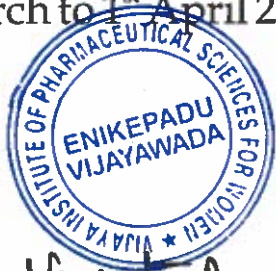
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This is to certify that Ms. K. Aarika  
student of VIJAYA INSTITUTE OF PHARMACEUTICAL SCIENCES FOR WOMEN,  
Enikepadu, Vijayawada bearing Reg. No. 197NIR0004 has successfully  
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PRACTICES LEVEL - II Organized by SCONCORD PHARMA CONSULTANTS from  
27<sup>th</sup> March to 1<sup>st</sup> April 2023.

Program ID : AP.23.02



*S. Venkatesh Rao*  
IQAC Coordinator

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Coordinator

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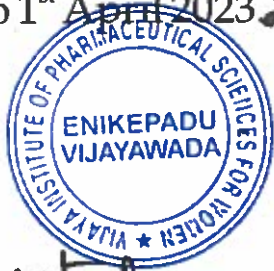
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This is to certify that Ms. T. Hara Naga Sai Krishna Sri Harshitha  
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PRACTICES LEVEL - II Organized by SCONCORD PHARMA CONSULTANTS from  
27<sup>th</sup> March to 1<sup>st</sup> April 2023.

Program ID : AP.23.02



*S. Venkatesh*  
IQAC Coordinator

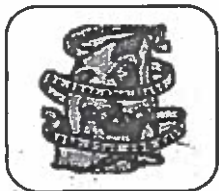
*Harshitha*  
Coordinator

*Harshitha*  
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ENIKEPADU, VIJAYAWADA-521108



*S. Venkatesh*  
Director

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This is to certify that Ms. G. Udaya Sree  
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completed 6-day training program on GLOBAL PHARMACEUTICAL INDUSTRIAL  
PRACTICES LEVEL - II Organized by SCONCORD PHARMA CONSULTANTS from  
27<sup>th</sup> March to 1<sup>st</sup> April 2023.

Program ID : AP.23.02



*S. Venkatesh Rao*  
IQAC Coordinator

*S. Venkatesh Rao*  
Coordinator

*Latha*  
PRINCIPAL  
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ENIKEPADU, VIJAYAWADA



*S. Venkatesh Rao*  
Director

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This is to certify that Ms. D. Naga Prathyusha  
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completed 6-day training program on GLOBAL PHARMACEUTICAL INDUSTRIAL  
PRACTICES LEVEL - II Organized by SCONCORD PHARMA CONSULTANTS from  
27<sup>th</sup> March to 1<sup>st</sup> April 2023.

Program ID : AP.23.02

*S. Venkatesh Rao*  
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