

# Geethanjali College of Pharmacy

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH & B. Pharmacy Accredited by NBA

Recognized Under UGC Section 2F & 12B of UGC Act, 1956, by DSIR-SIRO & HI/BI of MSME,

Certified by ISO 9001:2015

Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## **NAAC CRITERION-1**

### **Curricular Aspects**

#### **1.2.2 Number of Add on /Certificate programs offered during the last five years**

<b>S.No.</b>	<b>File No</b>	<b>File Description</b>
4.	1.2.2 (4)	Number of Add on/Certificate programs offered during A.Y 2017-18

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

Date: 16/06/2017

## CIRCULAR

This is to inform B. Pharmacy III year students that, they will have  
“Add-on Course on Soft Skills & Communication Skills” training  
classes from 16<sup>th</sup> July to 20<sup>th</sup> August, 2017. Hence, all of you are  
instructed to attend for classes without fail.

*[Handwritten Signature]*  
Principal

**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

*[Handwritten signatures and initials in blue ink, including names like RDE, Bhatta, and others]*

**ADD-ON COURSE**

**ON**

**“SOFT SKILLS & COMMUNICATION SKILLS”**

**From: 16/07/2017 to 20/08/2017**



**ORGANIZED**

**BY**

**GEETHANJALI COLLEGE OF PHARMACY**

**Cheeryal (V), Keesara (M), Medchal Dis**

*Geethanjali*  
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

## **PROGRAMME OBJECTIVES**

Soft Skills & Communication skills program is to aid candidates in their preparation for recruitment through campuses or outside campuses. Students in their final step of graduation looking for placements in reputed organizations can make use of this training to get deliver their best in the selection processes of organization

1. Train the students to think out of the box
2. Mock group discussion sessions
3. Resume making and information sessions
4. Interactive mythology (audio & video base)
5. Grooming' body language, soft skills, attitude etc

### **RESOURCE PERSON**

**Mr. B. Kondal, Assistant Professor**

### **ORGANIZING COMMITTEE**

**Dr B. Bharath Bhushan**

Programme Coordinator, GCPK, Hyderabad

**Prof Dr. M. Ravi kumar**

Principal, GCPK

**Shri. G. R. Ravinder Reddy**

Secretary, Teja Educational Society, Hyderabad

### **STUDENT COORDINATORS**

Ms K.Anusha Reddy and Ms G.Mounika

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



## Curriculum for Soft Skills & Communication Skills

Session	Topic name	Approach
1	Self Awareness & Psychometric Test	➤ Aptitude and personality assessment, suggestions for improvement
2	Industry Expectations & Career Planning	➤ Academics and industry –current scenario ➤ Gaps ➤ A few myths ➤ Industry expectations on skill base
3	Communication Professional: in an interview	➤ Recognize the importance of body language , and manage body language for success in an interview
4	JAM	➤ Practice session
5	Grooming and etiquette	➤ Identify the importance of appropriate dress sense and grooming in an interview
6	Group discussions	➤ Know the importance of GD for final placements
7	MOCK GD	➤ Practice session
8	Resume Writing	➤ Customization of resume to the candidate
9	Interview Concepts	➤ Elaborate on the interview concepts
10	MOCK interview ( personal)	➤ Practice session
11	Interview: personal	➤ We discuss introducing self and more about self in personal interviews
12	Interview : HR	➤ Different questions asked by HR and how to give answers for them
13	Interview :telephonic	➤ Telephonic etiquette
14	Job interview & video mirroring	➤ Mock interview can be conducted here to give practical exposure to students
15	Personality assessment round	➤ Conducting SWOT analysis and make students to realize how to bring the interviewer to students comfortable zone

  
**PRINCIPAL**  
 Geethanjali College of Pharmacy  
 Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## List of Students Enrolled for Add-on Course on Soft Skills and Communication Skills for Academic Year 2017-18

S.No	Hall Ticket Number	Name
1	15Z51R0001	A. Deborah
2	15Z51R0002	Adapa Akhila
3	15Z51R0003	Alladurgam Bhargavi
4	15Z51R0004	Annapurna Deshpande
5	15Z51R0005	B. Archana
6	15Z51R0007	Borigam Tejasree
7	15Z51R0008	Budidha Ravali
8	15Z51R0009	Ch Chaithanya
9	15Z51R0010	Chada. Vinitha
10	15Z51R0012	Chiningani Rani
11	15Z51R0013	Chowhan Manisha
12	15Z51R0014	D Haritha
13	15Z51R0015	Dudam Pavan Kumar
14	15Z51R0016	Elasani Roja
15	15Z51R0018	Gouni Mounika
16	15Z51R0019	Jerepothula Lahari
17	15Z51R0020	K Komala Sai
18	15Z51R0021	K. Anusha Reddy
19	15Z51R0022	Kalakuntla Swetha
20	15Z51R0023	Kashyap Vishwa Priya
21	15Z51R0024	Katukojwala Sahithi
22	15Z51R0025	Konda Gadapa Jahnvi
23	15Z51R0026	Lingam Anusha
24	15Z51R0027	Mandala Niharika
25	15Z51R0028	Mantri Harika
26	15Z51R0029	Mohammed Sameer
27	15Z51R0030	Muddhasani Apoorva
28	15Z51R0031	N Chinna Pandu Yadav
29	15Z51R0032	Nazari Sai Bhavana
30	15Z51R0033	N. Sai Charan Goud
31	15Z51R0034	P. Mohitha Durga
32	15Z51R0035	Priyanka Reddy.K
33	15Z51R0036	R. Achyutha

*Signature of*  
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301,

34	15Z51R0037	R. Nisha
35	15Z51R0038	Rajapudi Divya Sri
36	15Z51R0039	Safina Khan
37	15Z51R0040	Sandra Neelima
38	15Z51R0042	Srigiri Srineet
39	15Z51R0043	Thumma Tejaswini
40	15Z51R0044	Uppala Sravya
41	15Z51R0045	Vadipelliwar Sourab
42	15Z51R0047	Adiba Taha
43	15Z51R0048	Alle Shravani
44	15Z51R0049	B Yamini Satya
45	15Z51R0050	B Vinay Kumar
46	15Z51R0051	B. Shiva Krishna Goud
47	15Z51R0052	Borundiya Keerthi
48	15Z51R0053	C. Madhuri
49	15Z51R0054	Ch. Praveen Kumar
50	15Z51R0055	C. Lakshmi Sai Sri Sowmya
51	15Z51R0056	Chilumula Kaushika
52	15Z51R0057	Chitta Shravya
53	15Z51R0058	Danaboiena Alekhya
54	15Z51R0059	Duvvala Bhargavi
55	15Z51R0060	G Niharika
56	15Z51R0061	Gayam Bhavya
57	15Z51R0062	Jayasree Chandekar
58	15Z51R0063	K Alekhya
59	15Z51R0064	K Sindhu
60	15Z51R0065	Kadannagari Shirisha
61	15Z51R0067	Katukam Rithika
62	15Z51R0068	K.Boina Durga Bhavani
63	15Z51R0070	M.Venkata Sai Niharika
64	15Z51R0071	Mannem Vyshnavi
65	15Z51R0072	Meriyalkar Mamatha
66	15Z51R0073	M. Lakshman Durga Sai Kumar
67	15Z51R0074	Mudigondla Manikanta
68	15Z51R0075	Nallala Sree Latha
69	15Z51R0076	Nilgonda Sruthi
70	15Z51R0077	Pabpu Mahender Goud
71	15Z51R0079	Pulicharla Priyanka
72	15Z51R0080	R. Chandra Shekar
73	15Z51R0082	Ramesh Athira

  
**PRINCIPAL**  
 Geethanjali College of Pharmacy  
 Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



74	15Z51R0083	Salla Nikitha
75	15Z51R0084	Shaik Kamal Saheb
76	15Z51R0085	Sri Perambudur Santhosh
77	15Z51R0086	Syeda Sana Fatima
78	15Z51R0087	Thummala Abhishiktha
79	15Z51R0088	V Sravyasudha
80	15Z51R0089	Vadyanam Sai Ram
81	15Z51R0090	Shaistha Tabassum
82	15Z51R0091	Shamilla Likitha
83	15Z51R0092	Adarasupally Deepika
84	15Z51R0093	Manda Sukanya
85	14Z51R0039	Punduru Swathi

*Bondhupati*  
**Programme Coordinator**

*Geethanjali*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

Date: 16/09/2017

## REPORT

**Name of the programme:** Add-on Course on Soft Skills & Communication Skills

**Duration:** 16/07/2017-20/08/2017

**Resource Person Details:**

Mr B. Kondal, Assistant Professor, GCPK

**Number of students attended:** 85

Geethanjali College of Pharmacy organized "Add-on Course on Soft Skills & Communication Skills" for B. Pharmacy III year students by the resource person Mr. B Kondal from 16/7/17 to 20/8/17. This training was conducted to train students for upcoming campus recruitment drives. All the students participated energetically and they were able to know the following objectives and learning outcomes.

**Objectives:**

- Unique short cut techniques for mathematics to improve speed and accuracy.
- Mock Group Discussions.

*Signature of*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301,



- To train students on programme include problem solving and time saving techniques.
- Preparedness to become suitable to pharma and non-pharma jobs.
- Graduates have to enhance their employability skills before leaving educational institutions.
- To bridge the gap between industry and university.
- To develop confidence, communication skills, teamwork (how you manage and engage fellow participants) and technical knowledge of the subject.


#### **Learning Outcomes:**

- Organize and write an effective cover letter and resume
- Understand organizational procedures and policies as related to how the employers process for campus recruitment and employer preferences.
- Exercise judgement and logical decision making in selecting from alternative techniques for group discussion & interview.
- Use self assessment to identify strengths, weakness, transferable skills, and prime marketable characteristics.

*Handwritten signature*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

This course was very much informative to the students and their feedback was positive about the course. The management and Prof Dr. M. Ravi kumar, Principal-GCPK appreciated the resource person Mr. B Kondal and participants for making the programme successful.

  
**Programme Coordinator**

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

Date: 16/06/2017

## CIRCULAR

This is to inform B.Pharmacy IV year students that, they will have “Add-on Course on Analytical Method Development and Validation” training classes 16<sup>th</sup> July to 20<sup>th</sup> August, 2017. Hence, all of the students are hereby informed to attend the classes without fail.

*[Handwritten signatures and initials in blue ink, including names like BBhatia, VSR, and others.]*

*[Handwritten signature in green ink]*  
**PRINCIPAL**  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

**ADD-ON COURSE**  
**ON**  
**ANALYTICAL METHOD DEVELOPMENT**  
**AND**  
**VALIDATION**

**From: 16/07/17 to 20/08/17**



**ORGANIZED**  
**BY**  
**GEETHANJALI COLLEGE OF PHARMACY**  
**Cheeryal (V), Keesara (M), Medchal Dist**

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-502301

## PROGRAMME OBJECTIVES

This program introduces the schematics of Methods Development and Validation with a grassroots, conceptual standpoint, based on scientific rationale and method by design approach. The aim is to lead the audience to 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 USFDA guidelines for the analytical method validation parameters.

### RESOURCE PERSONS

#### **Mr. M. Satish Kumar**

Department of Pharmaceutical Chemistry

smanthi@gmail.com

Mobile: 7416407414

#### **Mr. J. Sunil**

Department of Pharmaceutical Chemistry

sunilpharma49@gmail.com

Mobile: 9908145789

#### **Dr. N. Anjaneyulu**

Department of Pharmaceutical Chemistry

anjipharmacy@gmail.com

Mobile: 9959967431

#### **Prof. Dr. R. Siva Kumar**

Department of Pharmaceutical Chemistry

rsiva.chemist@gmail.com

Mobile: 8008241577

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



**Organizing Committee**

**Prof. Dr. M. Srinivas**

Department of Pharmaceutical Chemistry

drmsr9@gmail.com,

Mobile: 9908606829

**Programme Coordinator**

**Prof. Dr. M. Ravi kumar**

Principal, GCPK

**Shri. G. R. Ravinder Reddy**

Secretary, Teja Educational Society, Hyderabad

**STUDENT COORDINATORS**

Ms. G. Shalini

Ms. G. Mamatha

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.


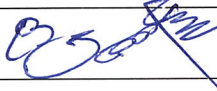



# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

**Name of the Programme:** Add-on Course on Analytical Method Development and Validation

**Schedule:** From 16/07/2017 to 20/08/2017

**Curriculum Designed and Developed by:**

S.No	Faculty Name	Designation	Signature
1	Prof. Dr. M. Srinivas	Professor	
2	Prof. Dr. R. Siva Kumar	Professor	
3	Dr. N. Anjaneyulu	Assoc Professor	
4	Mr. J. Sunil	Assoc. Professor	
5	Mr. M. Satish Kumar	Asst. Professor	

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

## Curriculum for Add on course on Analytical Method Development and Validation

SESSION	TITLE	DURATION
1	ICH Guidelines: Overview of ICH Guidelines Stability Guidelines GMP Guidelines for Pharmaceuticals Nitrosamme impurities Guidelines	3hrs
2	System suitability parameters for HPLC Method <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> </ul>	3hrs
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</li> <li>• Repeatability</li> <li>• Robustness</li> </ul>	3hrs

	<ul style="list-style-type: none"> <li>• System suitability Testing</li> </ul>	
4	<p>Trouble shooting of HPLC</p> <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>	3hrs
5	<p>Impurity Profiling</p> <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>	3hrs
6	<p>Stability Indicating Methods</p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Role of QA in SIM</li> <li>• General Principle</li> <li>• Photo stability testing of new drug substances</li> <li>• Photostability studies</li> <li>• Force Degradation studies</li> </ul>	3hrs
7	<p>Bioanalytical Method Development and Validation</p> <ul style="list-style-type: none"> <li>• Sample Preparation</li> <li>• Extraction Techniques</li> <li>• Analytical Method Procedures</li> <li>• Validation</li> </ul>	3hrs
8	<p>Cleaning and Process validation</p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Back Ground</li> <li>• General Requirements</li> <li>• Evaluation of cleaning validation</li> </ul>	3hrs

	<ul style="list-style-type: none"><li>• Establishment of limits</li></ul>	
9	Assay Testing of Pharmaceutical substances <ul style="list-style-type: none"><li>• Introduction</li><li>• Guidelines of specifications</li><li>• General concepts</li></ul>	3hrs
10	Stability testing of residual solvents <ul style="list-style-type: none"><li>• Introduction</li><li>• Types of solvents</li><li>• Testing of solvents</li></ul>	3hrs

*Geethanjali*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.




# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## **List of Students Enrolled for Add-on Course on Analytical Method Development and Validation for A.Y 2017-18**

S.No	Hall Ticket Number	Name
1	14Z51R0001	Akula Manusha
2	14Z51R0002	Anuroop
3	14Z51R0003	B Karuna Sree
4	14Z51R0004	B V N Shivani
5	14Z51R0005	Baki Ratnakar
6	14Z51R0006	Bakki Vani Swetha
7	14Z51R0007	Bandla Niharika
8	14Z51R0008	B. Ravindar Reddy
9	14Z51R0009	B.Bhargavi
10	14Z51R0010	B. Emmy Lydia
11	14Z51R0011	Ch. Varsha Sree
12	14Z51R0012	Ch. Chaithanya
13	14Z51R0013	Dammu Ramya
14	14Z51R0014	Dindigala Suresh
15	14Z51R0015	G Shalini
16	14Z51R0016	G Mamatha
17	14Z51R0017	G Pavani Reddy
18	14Z51R0018	Gudise Naresh
19	14Z51R0019	Gunaganti Pavani
20	14Z51R0020	Jinuka Adithya
21	14Z51R0021	K M Bhargavi
22	14Z51R0022	K. Pradeep
23	14Z51R0023	K.Lakshmi Narasimha Mounikavya
24	14Z51R0024	K. Varalakshmi
25	14Z51R0025	Kola Vani
26	14Z51R0026	K.Sree Sai Poojitha
27	14Z51R0027	K.Phani Deepthi
28	14Z51R0028	Koti Prathika
29	14Z51R0029	M Shanker Reddy
30	14Z51R0030	Md Azhar Pasha
31	14Z51R0031	Mamidi Bhavani
32	14Z51R0032	Mariseti Vyshnavi

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

33	14Z51R0033	Modem Sadhana
34	14Z51R0034	Mukthavaram Sreeja
35	14Z51R0035	N Mounica
36	14Z51R0036	Nalla Aakash
37	14Z51R0037	Panuganti Renu Sree
38	14Z51R0038	Pulakandla Navya
39	14Z51R0040	Raavi Sudeepthi
40	14Z51R0041	S Vanisree
41	14Z51R0042	Sushmitha Gunti
42	14Z51R0043	Syed Asmal Hussain
43	14Z51R0044	Syed Khaja Tabassum
44	14Z51R0045	T Sri Varsha
45	14Z51R0046	Y Shravana Gowri
46	13Z51R0059	Shanigarapu Sirisha



**Programme Coordinator**

  
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## REPORT

**Name of the Programme:** Add-on Course on Analytical Method Development and Validation

**Schedule:** From 16/07/2017 to 20/8/2017

**Participated Students:** 46

**Resource Person Details:**

**Mr. M. Satish Kumar**

Department of Pharmaceutical Chemistry

smanthi@gmail.com

Mobile: 7416407414

**Mr. J. Sunil**

Department of Pharmaceutical Chemistry

sunilpharma49@gmail.com

Mobile: 9908145789

**Dr. N. Anjaneyulu**

Department of Pharmaceutical Chemistry

anjipharmacy@gmail.com

Mobile: 9959967431

**Prof. Dr. R. Siva Kumar**

Department of Pharmaceutical Chemistry

rsiva.chemist@gmail.com

Mobile: 8008241577

  
PRINCIPAL

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

Department of Ph Chemistry and Ph Analysis of Geethanjali College of Pharmacy organized “**Add-on Course on Analytical Method Development and Validation**” from 16/07/2017 to 20/08/2017. This program covered the following objectives and learning outcomes.

**Objectives:**

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


**Learning Outcomes:**

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

Total 46 students participated actively in the training. The program was very much useful to the students and their response about the program was encouraging. Prof Dr. M. Ravi kumar thanked the resource persons and participants for making the program successful.

**Date: 16/09/2017**

  
**Programme Coordinator**

  
PRINCIPAL  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

DATE: 16/08/2017

## CIRCULAR

This is to inform M.Pharm I year students that, they will have **“Add-on Course on Intellectual Property Rights and Patent Filing”** training classes from on every Saturday. 4<sup>th</sup> September to 10<sup>th</sup> October 2017. Hence, all of the students are here by informed to attend the classes without fail.

**PRINCIPAL**

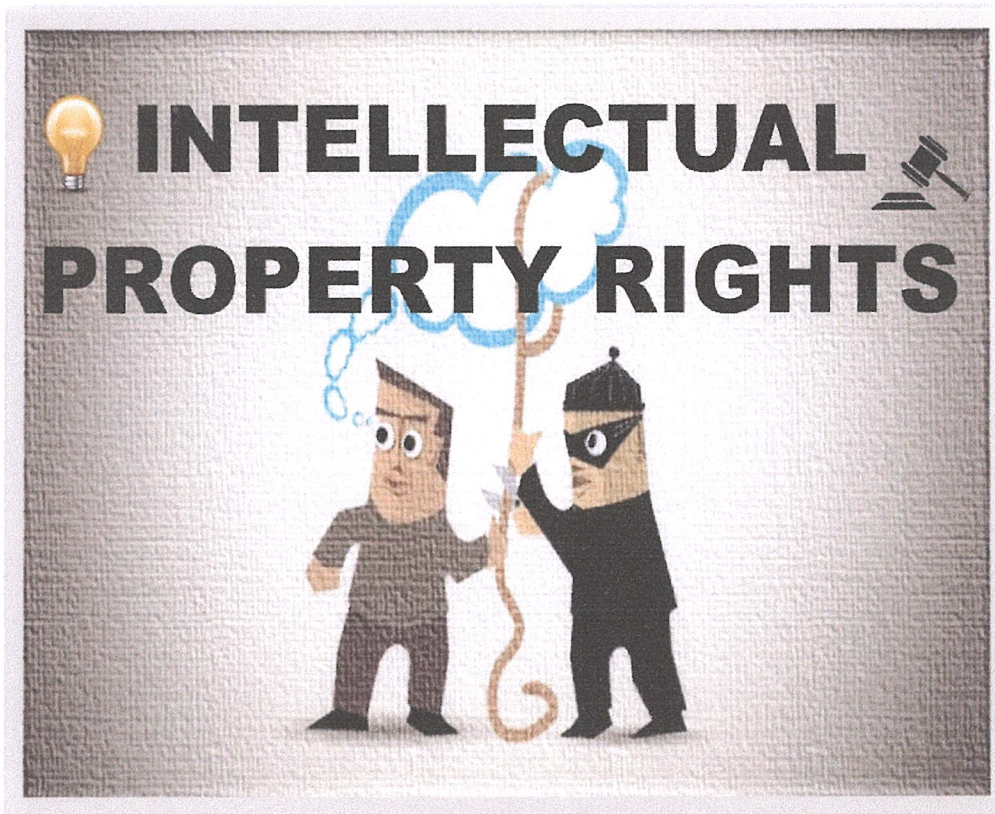
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



**ADD-ON COURSE**  
**ON**  
**INTELLECTUAL PROPERTY RIGHTS**  
**AND**  
**PATENT FILING**

**From: 04-09-2017 TO 10-10-2017**



**ORGANIZED BY**  
**GEETHANJALI COLLEGE OF PHARMACY**  
Cheeryal (V), Keesara (M), Medchal Dist

*[Signature]*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

## **Introduction to Intellectual Property Rights (IPR):**

Intellectual Property Rights (IPR) plays a vital role in enhancing the socio-economic prosperity of the country. Creativity and innovations are new drivers of the world economy. With the increasing relevance of Intellectual Property in this era of globalization, it is important to recognize the role which Intellectual Property systems play in the growth of the Nation. Thus, there is a need to create large public awareness about the pivotal role of IPR in globalized knowledge economy. With the view to create awareness on the significance of IPR to the people from various sectors in the country, Department of Pharmaceutics, Geethanjali College of Pharmacy is organizing 30 hours Certificate course on "Intellectual Property Rights".

### **Objectives:**

The objective of this certificate program is to impart greater awareness about the issue of Intellectual Property Rights (IPR), which has gained special importance for all the domains of socio-economic development. It aids to understand of patentability criteria in details and viable aspect of the patent. Also, the patent system and the possible patent routes will be explained in more detail. This program involves invited lectures by distinguished legal experts in the field of drafting of patent specifications, filing of patents, Copyrights and Trademarks etc.

### **Topics to be covered:**

- ❖ Definition, principles and overview of IPR by leading patent Attorneys.
- ❖ Background patent system, Patentability criteria (patentable subject-matter, novelty, inventive step, industrial applicability).
- ❖ Sufficiency of disclosure, Content of a patent application, Patent ownership.
- ❖ Illustrative case and Confidentiality.
- ❖ Information about the patent drafting process by reputed patent attorneys.
- ❖ Copyrights and Trademarks etc.
- ❖ Various plagiarism software tools.

### **Theme/Scope:**

The goal of this short-term training programme is to bring together the faculty members, and students of our college to create awareness about the pivotal role of Intellectual Property Rights which includes drafting of patent specifications, filing of patents, Copyrights and Trademarks etc.

### **Targeted Participants:**

- ✓ Post-Graduate Science & Engg students
- ✓ Faculty Members
- ✓ Research Scholars

**Selection:** All branches of M.Pharm students are eligible.

**Certificate:** It will be provided to the participants with a minimum 80% attendance in the programme.

  
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301,



## **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. 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. Pooja Agarwal, Asst.Professor  
Department of Pharmaceutics  
pharmacy.pooja.agarwal@gmail.com,  
Ph: 9849299548

Mr Y. Shivakumar, Assoc. Professor  
Department of Pharmaceutics,  
Shivakumar19842@gmail.com,  
Ph: 8500214801

## **ORGANIZING COMMITTEE**

Mr Y. Shiva kumar, Assoc.Professor  
Department of Pharmaceutics  
*Programme Coordinator, GCPK*

**Prof Dr. M. Ravi kumar**  
Principal, GCPK

**Shri. G. R. Ravinder Reddy**  
Secretary, Teja Educational Society, Hyderabad

## **STUDENT COORDINATORS**

Mr B.Rajesh  
Ms K. Suda Rani

*Signature of*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

SESSION	TITLE	DURATION
<b>INTELLECTUAL PROPERTY RIGHTS AND PATENT FILLING</b>		
1	Introduction to Intellectual Property Rights <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
2	International Organizations, agencies and treaties. <ul style="list-style-type: none"> <li>• WTO, TRIPS and WIPO</li> <li>Types of IPRs</li> </ul>	3
3	Introduction to Trademarks <ul style="list-style-type: none"> <li>• Rights and Trade marks</li> <li>• Purpose and Functions of Trade marks.</li> </ul>	3
4	Introduction to Trademarks <ul style="list-style-type: none"> <li>• Rights and protection covered by Copy rights</li> <li>Importance of Trade Secret</li> <li>• Trade secrets usage in trade and business.</li> </ul>	3
5	Concepts of Geographical Indications. Geographical Indications registration in India. Value of Layout Designs of Integrated circuits.	3
6	Protection of Plant varieties. Significance of Industrial Designs Registration and protection design in India and abroad.	3
7	Patents and its importance Patent Act-1970 Patent Am,endment act 2005	3
8	Patentable and Non-Patentable inventions Legal requirements for patents Types of patent applications	3
9	Understanding Patent system in India	3

  
 PRINCIPAL  
 Geethanjali College of Pharmacy  
 Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



	Filing patents outside of India Patent Application Process	
10	Searching patents databases for designing research objectives.	3
11	Drafting of claims Patent filing procedure in India Patent documents, specifications and claims.	3
12	Patent prosecution in India Infringement International treaties for patent Patent cooperation treaty.	3

  
**PRINCIPAL**  
 Geethanjali College of Pharmacy  
 Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## List of Students Enrolled for Add-on Course on Intellectual Property Rights and Patent Filing for A.Y 2017-18

S.No	Hall Ticket Number	Name
1	17Z51S1001	B. Bhanu Kiranmai
2	17Z51S1002	Bonagari Deepika
3	17Z51S1003	J James
4	17Z51S1004	K.Vijayakanth
5	17Z51S1005	N. Nandini
6	17Z51S1006	Pemmaraju Sowjanya
7	17Z51S1007	P. Venkata Sai Sarvani
8	17Z51S0301	Aangothu Govind
9	17Z51S0302	A. Divya Reddy
10	17Z51S0303	B. Rajesh
11	17Z51S0304	C.Aishwarya
12	17Z51S0305	K. Sudha Rani
13	17Z51S0306	Kasireddy Harika
14	17Z51S0307	Kumar Veenitha
15	17Z51S0308	Molugu Rasagna
16	17Z51S0309	M. Shireesha
17	17Z51S0310	Sonia Chowdhury
18	17Z51S0401	Dheeravath Vanitha Sri
19	17Z51S0402	Gotike Sreenath
20	17Z51S0403	J Divya
21	17Z51S0404	Jogu Sharada
22	17Z51S0405	Jupalli Shirisha
23	17Z51S0406	Katta Madhavi
24	17Z51S0407	M Mamatha Asha
25	17Z51S0408	P Prashanthi
26	17Z51S0410	Rakesh Kumar Sai Vinay
27	17Z51S0411	Shaik Murtuza
28	17Z51S0412	Sk Sattar
29	17Z51S0413	Sumayya Javeed

  
PROGRAM COORIDNATOR

  
PRINCIPAL

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## REPORT

**Date:** 06/11/17

**Name of the Program:** Add-on Course on Intellectual Property Rights and Patent Filing

**Duration:** 04-09-17 TO 10-10-17

### **Resource Person Details:**

Mrs. Pooja Agarwal

Mr Y. Shiva Kumar

Asst.Professor

Assoc Professor

Department of Pharmaceutics

Department of Pharmaceutics

Geethanjali College of Pharmacy

Geethanjali College of Pharmacy

Email:

Email: Shivakumar19842@gmail.com

pharmacy.pooja.agarwal@gmail.com

Contact: 8500214801

Contact: 9849299548

Geethanjali College Of Pharmacy, Cheeryal, Keesara, Hyderabad organized an add-on course on "**INTELLECTUAL PROPERTY RIGHTS AND PATENT FILING**" for M. Pharmacy I Year students by Mrs. Pooja Agarwal, Asst. Professor, and Mr. Y. Shiva kumar, Assoc. Professor, Department Of Pharmaceutics from 4<sup>th</sup> September to 10<sup>th</sup> October 2017. This program was designed to educate the students about the advanced information of the said topic in addition to regular curriculum. Total 29 students participated in this

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301

course. Upon completion of the course the students were able to understand and the following objectives and learning outcomes.

**Objectives:**

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

**Learning Outcomes:**

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

This program was very useful to the students and feedback was positive about the program. The management and Prof Dr. M. Ravi kumar Principal of GCPK thanked the resource persons Mrs. Pooja Agarwal, Mr. Y. Shivakumar and participants for making the program successful.



**PROGRAM COORDINATOR**



**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

DATE: 22/08/2017

## CIRCULAR

This is to inform M. Pharmacy II year students that, they will have **“Add-on Course on Advances in Pharmaceutical Drug Delivery Systems”** training classes from 23<sup>rd</sup> September to 4<sup>th</sup> November 2017. Hence, all of the students are here by informed to attend the classes without fail.

  
PRINCIPAL

PRINCIPAL

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



**Add-on Course**  
**On**  
**Advances in Pharmaceutical Drug Delivery Systems**  
**From: 23/09/17 to 04/11/17**



**ORGANIZED**  
**BY**  
**GEETHANJALI COLLEGE OF PHARMACY**  
**Cheeryal (V), Keesara (M), Medchal Dist**

*Geethanjali*  
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

## 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 technologies used in Pharmaceutical industries.

## RESOURCE PERSON:

Mr Y. Shivakumar  
Department of Pharmaceutics,  
shivakumar19842@gmail.com  
Ph: 8500214801

Mrs. P. Neeraja  
Department of Pharmaceutics,  
neeraja.podichety@gmail.com  
Ph: 9985709316

Dr. T. Mangilal, Professor  
Department of Pharmaceutics  
teelavath@gmail.com  
Ph: 8008241585

  
PRINCIPAL  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301

**ORGANIZING COMMITTEE:**

**Dr. T. Mangilal**

Professor

Department of Pharmaceutics

Programme Coordinator, GCPK

**Prof Dr. M. Ravi kumar**

Principal, GCPK


**Shri. G. R. Ravindher Reddy**

Secretary, Teja Educational Society, Hyderabad

**STUDENT CO-ORDINATORS**

Mr D. Anil Naik

Ms G. Sneha

  
PRINCIPAL  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



# GEETHANJALI COLLEGE OF PHARMACY

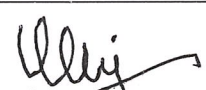
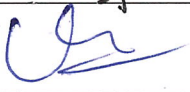

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

**Programme Name:** Add-on course on Advances in Pharmaceutical Drug Delivery Systems

**Duration:** 23/09/2017 to 04/11/2017

**A.Y:** 2017-2018


**Curriculum Designed and Developed by:**

S.No	Faculty Name	Designation	Signature
1	Dr. T. Mangilal	Professor	
2	Mr. Y. Shiva Kumar	Assoc Professor	
3	Mrs. P. Neeraja	Assoc Professor	

  
PRINCIPAL  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

## CURRICULUM

S. No	Advances in Pharmaceutical Drug Delivery Systems	Duration
1	Nano pharmaceuticals: Generation and significance of Nano-Pharmaceuticals like Nano Suspensions, Nanogels, Nanocarrier systems.	3hrs
2	Gastro-Retentive Drug Delivery Systems: Principle, Concepts advantages and disadvantages, Modulation of GI transit time approaches to extend GI transit, Methods of formulations and its evaluations.	3hrs
3	Nasal Drug Delivery Systems: Introduction, physiological aspects, mechanism and pathways, drug delivery systems.	3hrs
4	Sub-Micron Cosmeceuticals: Biology, formulation, science and evaluation of various cosmetics for skin, hair, nail, eye etc and its regulatory aspects.	3hrs
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 systems</li><li>• Delivery to lysosomal storage disorders</li></ul>	3hrs
6	Regulatory consideration in controlled release: Modification requirements to demonstrate safety efficiency & controlled release nature. Bioavailability assurance, WHO & Indian condition.	3hrs
7	Basic requirements for design, facility, equipment selection for tablets, capsules, liquid orals, parenteral and semisolid preparations.	3hrs
8	Improved capsule manufacturing and filling machine for soft	3hrs

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301,

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

  
**PRINCIPAL**  
 Geethanjali College of Pharmacy  
 Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## List of Students Enrolled for Add-on Course on

### Advances in Pharmaceutical Drug Delivery Systems for A.Y 2017-18

S.No	Hall Ticket Number	Name
1	16Z51S0301	B. Ramya Bhanu
2	16Z51S0302	Ch Sravya
3	16Z51S0303	Egoni Beaula Rani
4	16Z51S0304	Geetha
5	16Z51S0306	Jollu Annapoorna
6	16Z51S0307	K. Uday Kumar
7	16Z51S0308	M Naga Prashanthi
8	16Z51S0309	Madhavi Basani
9	16Z51S0310	N V Sai Priyanka
10	16Z51S0311	Thaduri Mahesh
11	16Z51S0403	D.Anil Naik
12	16Z51S0404	Gomari Sneha
13	16Z51S0405	Guduru Megha
14	16Z51S0407	K.Sai Prabha
15	16Z51S0408	Kota Anusha
16	16Z51S0409	M. Sri Laxmi
17	16Z51S0410	R Rajkiran Reddy
18	16Z51S0411	Shaganti. M. Priyanka
19	16Z51S0412	Soma Venkatesh
20	16Z51S0413	Sridhar. Rachcha
21	16Z51S0414	T Anand Kumar
22	16Z51S0415	T.Mamatha
23	16Z51S0416	Vasupathi Jyothi
24	16Z51S0417	B. Dinesh Kumar

  
PRINCIPAL

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



Programme Coordinator



# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## REPORT

Date: 22/11/17

**Name of the Program:** Add-on Course on Advances in Pharmaceutical Drug Delivery Systems

**Duration:** 23/09/2017 to 04/11/17

### **Resource Persons:**

1. Mr. Y. Shiva kumar, Assoc Professor  
Department of Pharmaceutics,  
shivakumar19842@gmail.com  
Ph: 8500214801
2. Mrs. P. Neeraja, Assoc Professor  
Department of Pharmaceutics,  
neeraja.podichety@gmail.com  
Ph: 9985709316
3. Dr. T. Mangilal, Professor  
Department of Pharmaceutics  
teelavath@gmail.com  
Ph: 8008241585

Geethanjali College of Pharmacy, Cheeryal, Keesara, Hyderabad organized "Add-on course on Advances in Pharmaceutical Drug Delivery Systems" for M. Pharmacy II Year students by Mr. Y. Shiva Kumar, Assoc Professor, Mrs. P. Neeraja, Assoc Professor, and Dr. T. Mangilal, Professor. This program enables the students to understand the various

*Submitted by*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.


novel drug delivery systems and appreciate the influence of new technology on the performance of the drug product. Totally 24 students participated in this training program. All the students actively participated. Upon completion of the program they were able to understand the following objectives and learning outcomes.

### **Objectives:**

- Understand the criteria for selection of drugs and polymers for the development of novel drug delivery systems their formulation and evaluation.
- Understand various approaches for development of novel drug delivery systems.
- Understand various new technologies used in Pharmaceutical Industries.
- Understand the formulation and evaluation of novel drug delivery systems.
- Understand the principle involved in formulation of various advanced drug delivery systems.

### **Learning Outcomes:**

1. Know the formulation aspects of advanced drug delivery systems.
2. Formulate Gastro retentive drug delivery systems, Floating micro balloons, Magnetic drug delivery systems and evaluate them for their quality.
3. Know the pilot plant Scale Up techniques.

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

4. Know the various new technologies used in Pharmaceutical industries.

This program was very useful to the students and feedback was positive about the program. The management and Dr. M. Ravi Kumar, Principal of GCPK thanked the resource persons Mr. Y. Shiva Kumar, Assoc Professor, Mrs. P. Neeraja, Assoc Professor, and Dr. T. Mangilal, Professor and participants for making the program successful.



**Programme Coordinator**

  
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

DATE: 20/06/2017

## CIRCULAR

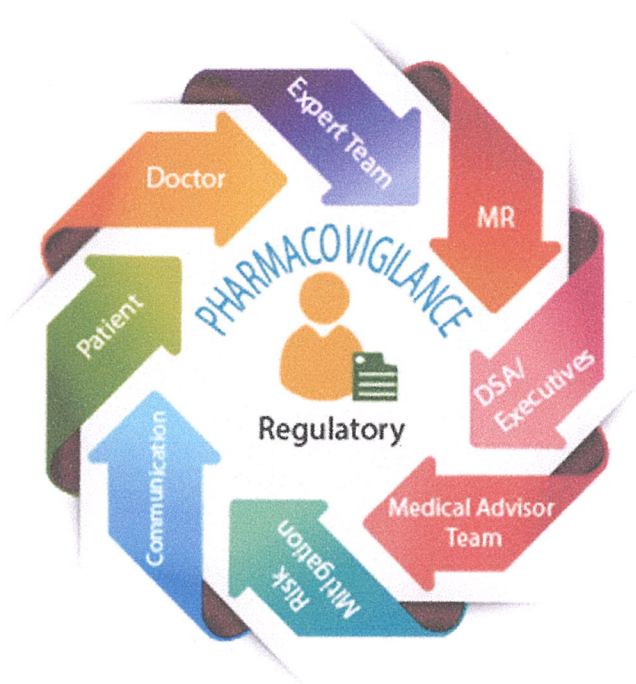
This is to inform Pharm D IV-year students that, they will have “Add-on Course on Pharmacovigilance” training classes from 26<sup>th</sup> June to 31<sup>st</sup> July 2017. Hence, all of the students are here by informed to attend the classes without fail.

*[Handwritten signatures and initials in blue ink, including 'SP', 'Ch', 'Rho', 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z', 'a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x', 'y', 'z', '0', '1', '2', '3', '4', '5', '6', '7', '8', '9']*

*[Handwritten signature in green ink]*  
**Principal**  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



**ADD-ON COURSE  
ON  
PHARMACOVIGILANCE**



**From: 26/06/17 to 31/07/17**

**ORGANIZED**

**BY**

**GEETHANJALI COLLEGE OF PHARMACY**

Cheeryal (V), Keesara (M), Medchal Dist

*Signature of*  
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501 101.

## **PROGRAMME OBJECTIVES:**

Pharmacovigilance improve patient care and safety in relation to the use of medicines and all medical and paramedical interventions: improve public health and safety in relation to the use of medicines: detect problems related to use of the medicines and communicate the finding in a timely.

1. Create a nation-wide system for patient safety reporting.
2. Identify and analyse the new signal (ADR) from the reported cases.
3. Analyse the benefit risk ratio of marketed medicines.
4. Support regularly agencies in the decision-making process on use of medications.

## **RESOURCE PERSON:**

**Mr. MD Abubaker, Assistant Professor**  
Department of Pharmacy Practice,  
abukhan253@gmail.com,  
Ph: 8712247800

**Mrs. P. Madhuri, Assistant Professor**  
Department of Pharmacy Practice,  
madhu.penumadhula@gmail.com  
Ph: 8712834116

**Dr. B. Rambabu, Professor**  
Department of Pharmacy Practice  
balu019914@gmail.com  
Ph: 8978378203

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301,

**ORGANIZING COMMITTEE**

Dr. B. Rambabu, Professor

Department of Pharmacy Practice

**Programme Coordinator, GCPK**

Prof. Dr. M. Ravi kumar

**Principal, GCPK**

Shri. G. R. Ravinder Reddy

**Secretary, Teja Educational Society, Hyderabad**

**Student Coordinators**


Mr D. Sai Kumar

Mr R. Sai Kiran

*Rambabu*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheerla(V), Keesara(M), Medchal Dist. T.S.-501307.

### Curriculum Design for Add-on course on Pharmacovigilance

S.No	Course Contents	Duration
1	Introduction and History of Pharmacovigilance	3
2	Adverse events in Clinical Trials vs Post Marketing	2
3	Guidelines for Pharmacovigilance	2
4	Basics of Pharmacovigilance	3
5	CSR, Minimum reporting criteria, Sources of ADRs	3
6	ICSR, Minimum reporting criteria	2
7	ICSR seriousness	2
8	ICSR seriousness-Case examples	3
9	Information in reporting forms	3
10	Information in reporting forms-case examples	2
11	ICSR-Expectedness	2
12	ICSR-Case examples	3
13	ICSR-Reporting timelines	3
14	MedDRA	3
15	Assessment-1	3
16	Introduction to Pharmacovigilance Database	2
17	Book-in	2
18	Introduction to case form	2
19	Case entry 1-Spontaneous case	2
20	Case entry 2-Clinical trial case	2
21	Case entry 3-Literature case	2
22	Narrative writing 1-Spontaneous and clinical trial cases	2
23	Narrative writing 2-Literature case	2
24	Case processing-Explained with example-1	2
25	Case processing-Explained with example-2	2

  
**PRINCIPAL**  
 Geethanjali College of Pharmacy  
 Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301,



26	Development safety update reports	2
27	Periodic safety update reports	2
28	Signal Detection	2
29	Final Assessment	3
30	Mock Interview	3
31	Resume writing	2
32	Interview questions and job guidelines	2

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## List of Students Enrolled for Add-on Course on Pharmacovigilance for Academic Year 2017-18

S.No	Hall Ticket Number	Name
1	14Z51T0001	A. Agnish Reddy
2	14Z51T0002	D. Shreya
3	14Z51T0003	D. Sai Kumar
4	14Z51T0004	Divya Sree Sattiraju
5	14Z51T0005	K. Rama Devi
6	14Z51T0006	Kommu Sri Sruthi
7	14Z51T0007	M Vaishnavi Sri Varsha
8	14Z51T0008	M. Haritha
9	14Z51T0009	Maliha Naaz
10	14Z51T0010	M.Gowri Priya
11	14Z51T0011	Nerusu Soumya
12	14Z51T0012	P Anusha
13	14Z51T0013	R.Sai Kiran
14	14Z51T0014	S. Shireesha
15	14Z51T0015	Vallem Saikumar
16	14Z51T0016	Yashaswini Kamini
17	14Z51T0017	Korlapati Bhavani
18	17Z55T0001	Cherukuri Shailaja
19	17Z55T0002	Nabila Zahoor
20	17Z55T0003	Shaheen Begum
21	17Z55T0004	Uppala Sushma
22	17Z55T0005	Yedla Bhargav

**Programme Coordinator**

*Handwritten signature in green ink*  
**PRINCIPAL**

Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## REPORT

### **Name of the Program:**

Add-on course on Pharmacovigilance

### **Duration:**

26/06/2017 to 31/07/2017

### **Resource person's details:**

**Mr. MD Abubaker**, Assistant Professor

Department of Pharmacy Practice,

abukhan253@gmail.com,

Ph: 8712247800

**Mrs. P. Madhuri**, Assistant Professor

Department of Pharmacy Practice,

madhu.penumadhula@gmail.com

Ph: 8712834116

**Dr. B. Rambabu**, Professor

Department of Pharmacy Practice

balu019914@gmail.com

Ph: 8978378203

Geethanjali College of Pharmacy, Cheeryal, Keesara organized Add-on course on **Pharmacovigilance** for PharmD IV Year students by Dr. B. Rambabu, Professor, Mr Md Abubaker, Assistant Professor and Mrs P. Madhuri, Assistant Professor from 26/06/2017 to 31/07/2017. This programme involves ongoing monitoring of available drugs to ensure their safety for use, especially since previously undetected adverse events can

*Rambabu*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

occur at any time. Total 22 students participated in this training program. All the students actively participated. Upon completion of the program they were able to understand the following objectives and learning outcomes.

**Objectives:**

- Understand regenerate reports and signal detection.
- Processing of individual case safety reports
- Databases used for case processing.
- Understand drug safety, history and evolution of Pharmacovigilance, the role of health authorities and their guidelines.

**Learning Outcomes:**

1. Understand and determine seriousness, expectedness and casualty.
2. Classify ICSRs and completing reports.
3. Process cases in safety database.

This program was very useful to the students and feedback was positive about the program. The Management and the Principal of GCPK, Prof Dr. M. Ravi Kumar thanked the resource persons and the participants for making the program successful.

**Date:** 07/08/2017

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

  
**Programme Coordinator**



# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

Date: 22/08/2017

## CIRCULAR

This is to inform V year Pharm D and II year P.B students that, they will have "Add-on Course on Clinical Data Management (CDM) & Statistical Analysis System (SAS)" training classes from 23<sup>rd</sup> September to 4<sup>th</sup> November 2017. Hence, all of you are instructed to attend classes without fail.

*Subin*  
PRINCIPAL

PRINCIPAL  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

*Handwritten signatures and initials:*  
A large collection of handwritten signatures and initials in blue ink, including names like 'Rao', 'Ch', 'A6', 'Shetty', and others, scattered across the lower-left portion of the page.

**ADD-ON COURSE  
ON  
CLINICAL DATA MANAGEMENT (CDM)  
&  
STATISTICAL ANALYSIS SYSTEM (SAS)**

**(From 23/09/2017 to 04/11/2017)**



**CLINICAL SAS**  
**CERTIFICATION TRAINING**

**ORGANIZED**

**BY**

**GEETHANJALI COLLEGE OF PHARMACY**

Cheeryal (V), Keesara (M), Medchal Dist

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-502 301.

## OBJECTIVES OF THE PROGRAMME:

Clinical data management (CDM) & Statistical Analysis System (SAS) plays an essential role in the data collection and data processing phase of clinical research. The process of collecting and managing research data is done in accordance with regulatory standards to obtain quality information that is complete and error free: the goal is to gather as much of such data for analysis is possible.

1. Database Validation, Data entry processes.
2. Database Lock, Clinical Data Archiving, and Data storage
3. FDA Guidance's, Protocol Review, and Data Management.
4. Case report Form Design and Edit Check Creation
5. Electronic Data Capture: Selecting an Application, Implementing the system and study conduct

The SAS® System, originally Statistical Analysis System, is an integrated arrangement of software products that enables a user to perform:

- ✓ Data entry, retrieval, management, and mining
- ✓ Report writing and graphics
- ✓ Statistical analysis and operations research
- ✓ Forecasting and decision support
- ✓ Data warehousing
- ✓ Systems management and enterprise solutions
- ✓ Big data and business analytics

As a statistical software package, SAS allows the user to manipulate and analyze data in many different ways. Because of its capabilities, SAS is used in many disciplines, including medical sciences, biological sciences and social

*Signature of*  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

sciences. The SAS system provides a flexible framework for integrating clinical, sample and experimental data. Knowing the SAS programming language will help you not only in your own research, but also in the development of additional research skills.

### **RESOURCE PERSON**

Mr. P. Siva Ramakrishna  
**Digital Solutions Lead Consultant**  
NTT Data Global Delivery Solutions

### **ORGANIZING COMMITTEE**

Prof Dr M Srinivas  
**Programme Coordinator, GCPK**

Prof Dr. M. Ravi kumar  
**Principal, GCPK**

Shri. G. R. Ravinder Reddy  
**Secretary, Teja Educational Society, Hyderabad**

### **STUDENTS COORDINATORS**

Mr P. Balram Yadav

Ms S. Sai Sree

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



**Curriculum for Clinical Data Management (CDM) & Statistical Analysis Systems (SAS)**

S.No	Topics	Hours
1	Introduction to clinical research, Roles and Responsibilities of key stakeholders	3
2	Preparations, Planning for Clinical Trials and Essential Documentation in Clinical Research Regulatory submissions	3
3	Introduction to data, Databases and Clinical Data Management	3
4	CRF Design Considerations	3
5	Data Entry, Transcribing Data, CRF data tracking	3
6	Cleaning data, Identifying and Managing Discrepancies	3
7	Data Management Plan	3
8	Electronic Data Capture	3
9	Tracking CRF Data	3
10	Managing Lab Data	3
11	Collecting Adverse Event Data	3
12	Medical Coding	3
13	Creating Reports and Transferring data	3
14	Case studies	3
15	Audit Trial	3
16	Audit Trial	3

  
**PRINCIPAL**  
 Geethanjali College of Pharmacy  
 Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## List of Students Enrolled for Add-on Course on Clinical Data Management and Statistical Analysis System for Academic Year 2017-18

S.No	Hall ticket number	Name
1	13Z51T0002	Choppari Vennela
2	13Z51T0003	Dasari Vijaysagar
3	13Z51T0004	Gajula Sreeja
4	13Z51T0005	K Bhavya Sri
5	13Z51T0006	K. Aditya Sai Rama Krishna
6	13Z51T0007	Kamaraju Gadda Bhavana
7	13Z51T0008	Kondam Himabindu
8	13Z51T0009	Lavina Matai
9	13Z51T0010	M. Divya Sree
10	13Z51T0011	M. Pralekhyas Sarpana
11	13Z51T0012	Madaboina Suhas
12	13Z51T0013	Marapally Vinay Kumar
13	13Z51T0014	M.Shireesha
14	13Z51T0016	M. Sushmitha Reddy
15	13Z51T0017	Neha Fatima
16	13Z51T0018	Nishitha Goud .
17	13Z51T0019	P. Nehal Sanjana
18	13Z51T0020	P. Shruthi
19	13Z51T0021	Pasham Mounika
20	13Z51T0022	P. Balram Yadav
21	13Z51T0023	Polu Shreeparna
22	13Z51T0024	S Sai Sree
23	13Z51T0025	Sabitha Paka
24	13Z51T0026	Sindhuri V S L
25	13Z51T0027	S.Tulasi Sunandana
26	13Z51T0028	Tula Sneha
27	13Z51T0029	V S Vijaya Lakshmi
28	13Z51T0030	Vani Tadakala
29	16Z51T0003	Najumunisa Begum
30	16Z51T0004	Roshina Fatima

  
Programme Coordinator

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.

# GEETHANJALI COLLEGE OF PHARMACY

Approved by AICTE, PCI New Delhi, Permanently Affiliated to JNTUH  
Cheeryal (V), Keesara (M), Medchal-Malkajgiri Dist., Telangana State- 501301

## REPORT

**Name of the Add-on course:** Clinical Data Management (CDM) & Statistical Analysis System (SAS)

**Duration:** 23/09/17 to 04/11/17

**Resource person details:** Mr. P. Siva Ramakrishna, Digital Solutions Lead Consultant, NTT Data Global Delivery Solutions, Hyderabad.

Geethanjali College of Pharmacy, Cheeryal, Keesara, Hyderabad organized “**Add-on course on Clinical Data Management (CDM) and Statistical Analysis System (SAS)**” for V Pharm D and II year P.B students. The Clinical Data Management is a critical phase in clinical research, which leads to generation of high quality, reliable, and statistically sound data from clinical trials. This helps to produce a drastic reduction in time from drug development to marketing. Based on the industry need currently this program was organized for PharmD. Total 30 students participated in this training program. All the students actively participated. Upon completion of the program they were able to understand the following objectives and learning outcomes.

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



## Objectives:

1. Define best practices as they apply to CDM processes.
2. Describe CDM processes from study start-up to database lock.
3. Apply best practice rationale when assessing data collection requirements/instruments.
4. Evaluate the benefits of standardization in establishing CDM processes.
5. Discuss current technology methods of data collection and associated documentation.

## Learning Outcomes:

1. Data base validation, data entry processes (EDC/Paper-based studies) and data standards (CDISC/CDASH).
2. Safety data management and reporting, serious adverse event reconciliation, and medical coding dictionaries.
3. FDA guidelines, protocol review, and data management plan creation and content.
4. Case report form design (CRF/eCRF), and edit Check creation.
5. Electronic data capturing an application, implementing the system, and study conduct.
6. Data quality and metrics.
7. External Data, Data transfer agreements, patient reported outcomes and laboratory data.
8. Database lock, clinical data archiving, and data storage.
9. Project Management for the Clinical Data Manager including Vendor selection.

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301.



This program was very useful to the students and feedback was positive about the program. The management and Prof Dr. M. Ravi Kumar, Principal of GCPK thanked the resource person Mr. P. Siva Rama Krishna from NTT Data Global Delivery Solutions, Hyderabad and participants for making the program successful.

Date: 05/12/2017



Programme Coordinator

  
**PRINCIPAL**  
Geethanjali College of Pharmacy  
Cheeryal(V), Keesara(M), Medchal Dist. T.S.-501301