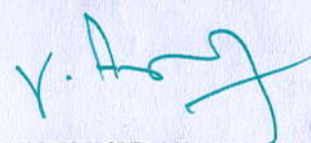


LIST OF ADD ON/TWO WEEK CERTIFICATE PROGRAM

ACADEMIC YEAR 2018- 2019

S. No.	Name of the Program	Date of the Program	Number of Participants
1	Pharmaceutical Marketing Management	04-03-2019 to 20-03-2019	66
2	Pharma 4.0 Operating Model & Continuous Manufacturing	04-02-2019 to 20-02-2019	81
3	Formulation Development and Process Validation	07-01-2019 to 23-01-2019	49
4	Medical Devices Regulations	03-12-2018 to 19-12-2018	50
5	Vital Signs: Understanding about our Body	05-11-2018 to 21-11-2018	92
6	Analytical Pharmacognosy and Extraction Techniques	08-10-2018 to 24-10-2018	78
7	Introduction to Cell Therapy	03-09-2018 to 19-09-2018	94



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Date: 02-03-2019

CIRCULAR

We hereby inform to Pharm D VI Year and M. Pharm II Year students that we are organizing Two Week Certificate Course on “**Pharmaceutical Marketing Management**” during 04-03-2019 to 20-03-2019. All the students are instructed to enroll their names to the corresponding coordinator and attend the classes without fail.

Venue: Seminar Hall, MNR College of Pharmacy

Co-ordinator: Dr. P. Subhash Chandra Bose

Copy To: -

P. Subhash Chandra Bose
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MNR COLLEGE OF PHARMACY
Fasalwadi, Sangareddy-502294
Telangana, Ph: 08455-230690

HOD's				Office
<i>[Signature]</i>	<i>P. Subhash</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

**TWO WEEK CERTIFICATE COURSE
ON
PHARMACEUTICAL MARKETING
MANAGEMENT**

Course Period: 04-03-2019 to 20-03-2019

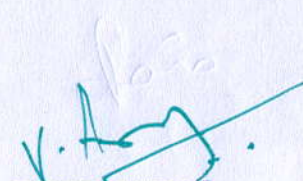


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FASALWADI, SANGAREDDY

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Objectives of the Course:

The main aim of this course is to provide the various marketing concepts and techniques and their applications in the pharmaceutical industry. It also provides basic knowledge about rural marketing, drug price control order, National Pharmaceutical Pricing Authority, global marketing etc. The main objectives are

1. To learn about emerging trends in marketing.
2. To know about issues in price management in pharmaceutical industries.
3. To know about the Professional sales representative roles and responsibilities.
4. To learn about pharmaceutical marketing channels and its types.

RESOURCE PERSONS**Dr. P. Srikanth Reddy**

Associate Professor
Dept. of Pharmaceutics
poreddysrikanthreddy@gmail.com
Mobile No: 8897273513

Dr. P. Phani Deepika

Associate Professor
Dept. of Pharmaceutics
phanideepika@gmail.com
Mobile No: 7032875445

Dr. P. Murali Krishna

Associate Professor
Dept. of Pharm. Chemistry
pvmuralikrishna@gmail.com
Mobile No: 8019344155

Mrs. Gande Saijyosthana

Assistant Professor
Dept. of Pharmaceutics
jyothsnagandey@gmail.com
Mobile No: 9700572224


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Programme Co-ordinator

Dr. P. Subhash Chandra Bose

Professor

Dept. of Pharmaceutics

penjuribose@gmail.com

Mobile No: 9848033974

Student Co-ordinators

Ms. S.V. Lalitha

Ms. Saba Jeelani


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Curriculum Plan for Two Week Certificate Course on **Pharmaceutical Marketing Management**

Session Details	Title of the session
Session 1	Introduction about Pharma Marketing Importance of Marketing Management
Session 2	Introduction about Philosophies of marketing management Introduction about Customers, Consumers
Session 3	Markets-introduction Marketers-introduction
Session 4	Market Segmentations Market targeting
Session 5	New Product Planning & Development Management of new product launch
Session 6	Product life-cycle Premarket Approval
Session 7	Branding -Introduction Brand Creation Marketing Strategy
Session 8	Pricing Decisions Pricing strategies
Session 9	Drug Price Control Order Sales Promotion,
Session 10	GAP Analysis SWOT analysis, Ansoff's Matrix


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Title of the Course: Two Week Certificate Course on **Pharmaceutical Marketing Management**

Schedule Period: 04-03-2019 to 20-03-2019

Committee Members for Curriculum Plan, Design and Development:

S. No.	Name of the Faculty	Designation	Signature
1	Dr. P. Srikanth Reddy	Associate Professor	<i>S. Reddy</i>
2	Dr. P. Phani Deepika	Associate Professor	<i>P. Phani Deepika</i>
3	Dr. P. Murali Krishna	Associate Professor	<i>Dr. P. Murali Krishna</i>
4	Mrs. Gande Saijyosthana	Assistant Professor	<i>S. Gande Saijyosthana</i>

V. A. [Signature]

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ABOUT THE COLLEGE

MNR College of Pharmacy at Sangareddy, one-hour drive away from hi-tech city, is one among the 78 top grade institutions run across the globe by MNR Educational Trust. This trust was formed in 1974 by Sri. M. N. Raju with the noble aim to shape the student into proud citizen of this great nation, laying emphasis on honing their intake skill and addressing their psychological and spiritual needs. Sri. M. S. Ravi Varma, the dynamic Vice-chairman of this trust adds a perfect blend of modern approaches required to achieve the goal. The colleges possess state of the art laboratories providing the best platform for training the students to become a scientist, industrial or community pharmacist. Our trust entered MOU with various industries in and around Hyderabad, as well as with foreign universities to meet the global standards.

COURSES OFFERED

B. Pharmacy	–	4 Years
Pharm D	–	6 Years
Pharm D (PB)	–	3 Years
M. Pharmacy	–	2 Years
Pharmaceutical Chemistry		
Pharmaceutics		
Pharmacology		

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PROGRAM COMMITTEE

Chief Patron

Shri M. N. Raju

Chairman

MNR Educational Trust

Patron

Shri M. S. Ravi Varma

Vice-Chairman

MNR Educational Trust

Organizing Team

Dr. V. Alagarsamy

Principal

MNR College of Pharmacy

Dr. P. Subhash Chandra Bose

Professor

penjuribose@gmail.com

Student Co-ordinators

Ms. S.V. Lalitha

Ms. Saba Jeelani

Address for Correspondence

Mr. Bandi Narendhar

Assistant Professor

Dept. of Pharm. Chemistry

Narenpharma41@gmail.com

Mobile No: 9618797012



Two Week Certificate Course On PHARMACEUTICAL MARKETING MANAGEMENT

Program Details

04-03-2019 to 20-03-2019



Organized By

MNR COLLEGE OF PHARMACY,
MNR Higher Education and Research
Academy Campus
Sangareddy-502294 Gr. Hyderabad
Telangana

www.mnrindia.org

ABOUT THE COURSE

The main aim of this course is to provide the various marketing concepts and techniques and their applications in the pharmaceutical industry. It also provides basic knowledge about rural marketing, drug price control order, National Pharmaceutical Pricing Authority, global marketing etc.

OBJECTIVES

- To learn about emerging trends in marketing
- To know about issues in price management in Pharmaceutical industries
- To know about the Professional sales representative roles and responsibilities
- To learn about Pharmaceutical marketing channels and its types

LEARNING OUTCOMES


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- Gather knowledge about various marketing channels
- Learn about global and local marketing etc
- Study about price fixing and management

TOPICS TO BE COVERED

- **Pharmaceutical Marketing-Introduction**
- **Philosophies of marketing management**
- **Customers, Consumers**
- **Markets & Marketers**
- **Market Segmentations**
- **Market targeting**
- **New Product Planning & Development**
- **Management of new product launch**
- **Product life-cycle**
- **Premarket Approval**
- **Branding & Brand Creation**
- **Pricing Decisions**
- **Pricing strategies**
- **Drug Price Control Order**
- **Sales Promotion, GAP Analysis**
- **SWOT analysis, Ansoff's Matrix**
- **Approval Process**
- **Adverse Event Report**
- **Parametric value**
- **HL**

REGISTRATION ELIGIBILITY

This course is intended for Pharm D VI/ M. Pharm II Year students.

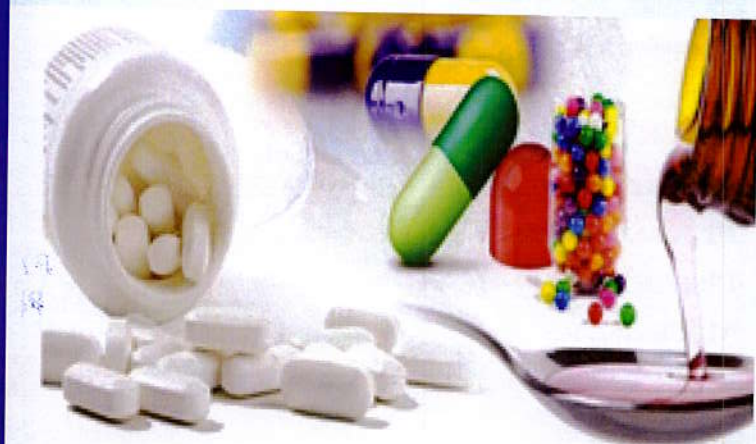
RESOURCE PERSONS:

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Assistant Professor
Dept. of Pharmaceutics



Pharmaceutical Marketing



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List of students Enrolled for Two Week Certificate Course on **Pharmaceutical Marketing Management**

Date: 04-03-2019 to 20-03-2019

A. Y: 2018-2019

S. No	Name of the Students	Course & Year	Signature
1	S V Lalitha	Pharm. D. VI Year	<i>Lalitha</i>
2	Todupunuri Shivani	Pharm. D. VI Year	<i>Shivani</i>
3	Nirumalla Mounika	Pharm. D. VI Year	<i>N. Mounika</i>
4	N Swathi	Pharm. D. VI Year	<i>Swathi</i>
5	B Akhila	Pharm. D. VI Year	<i>Akhila</i>
6	Pamukuntala Mounika	Pharm. D. VI Year	<i>Mounika</i>
7	M Jhansi	Pharm. D. VI Year	<i>Jhansi</i>
8	Sanapala Sindhuja	Pharm. D. VI Year	<i>Sindhuja</i>
9	Itta Usha Sri	Pharm. D. VI Year	<i>Usha</i>
10	Bobbili Saiveda	Pharm. D. VI Year	<i>Saiveda</i>
11	Lakavath Dhanalakshmi	Pharm. D. VI Year	<i>L. Dhanalakshmi</i>
12	B Vamshidhar	Pharm. D. VI Year	<i>Vamshi</i>
13	Mekala Anusha	Pharm. D. VI Year	<i>Anusha</i>
14	Lingamaneni Sai Chethana	Pharm. D. VI Year	<i>Sai Chethana</i>
15	Tekula Saraswathi	Pharm. D. VI Year	<i>Saraswathi</i>
16	Ramasetty Bhavani Naidu	Pharm. D. VI Year	<i>Bhavani</i>
17	Syeda Zeba Tarannum	Pharm. D. VI Year	<i>Zeba</i>
18	U. Varun	Pharm. D. VI Year	<i>Varun</i>
19	Chinka Nikhil Sai	Pharm. D. VI Year	<i>Sai</i>
20	Chava Manasvini	Pharm. D. VI Year	<i>Manasvini</i>

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21	Bollam Rashmitha	Pharm. D. VI Year	Rashmitha.
22	Syeda Sana Fatima	Pharm. D. VI Year	Fatima
23	burugupally Mounika	Pharm. D. VI Year	Mounika
24	Haqqani Nadia	Pharm. D. VI Year	Nadia
25	Rudraraju Krishna Chaitanya	Pharm. D. VI Year	Chaitanya
26	Sana Sultana	Pharm. D. VI Year	Sana
27	Sai Chandra	Pharm. D. VI Year	Chandea
28	Pravalika Dasari	Pharm. D. VI Year	Pravalika
29	Juveria Fathima	Pharm. D. VI Year	Fathima
30	Begari Piyanka	Pharm. D. VI Year	Piyanka
31	Nishat Unnisa Begum	Pharm. D. VI Year	Unnisa
32	Iffath Farzin	Pharm. D. VI Year	Farzin
33	Mannaliker Malleshwari	Pharm. D. VI Year	Malleshwari
34	Kotala Anusha	M. Pharm II Year	Anusha
35	Narsanolla Priyanka	M. Pharm II Year	Priyanka
36	Jyothi K	M. Pharm II Year	Jyothi K
37	Kurre Rajech Babu	M. Pharm II Year	R. Babu
38	Angari Supriya	M. Pharm II Year	A. Supriya
39	Karnolla Prasad	M. Pharm II Year	K. Prasad
40	K Pravalika	M. Pharm II Year	K. Pravalika
41	Konda Sri Chaya Reddy	M. Pharm II Year	Sri Chaya
42	Rathod Rakesh Kumar	M. Pharm II Year	Rakesh Kumar
43	Mohammad Khaja Ziauddin	M. Pharm II Year	M. Khaja
44	Sardar Manpreet Kaur	M. Pharm II Year	Manpreet
45	Bhushanagari Rajeshwari	M. Pharm II Year	Rajeshwari
46	Pariyada Sai Krupa	M. Pharm II Year	Sai Krupa

47	Dontha Bhavana	M. Pharm II Year	Bhavana
48	K Vishalakshi	M. Pharm II Year	Vishalakshi
49	Ponna Madhuri	M. Pharm II Year	Madhuri
50	D Bharathi	M. Pharm II Year	D. Bharathi
51	Tummalapalli Pavithra	M. Pharm II Year	T. pavithra
52	Rebeca	M. Pharm II Year	Rebeca
53	Juweria	M. Pharm II Year	Juweria.
54	Yamjala Jaipal Reddy	M. Pharm II Year	Jaipal
55	Kalali Saisree	M. Pharm II Year	Saisree
56	G Nikitha	M. Pharm II Year	Nikitha.
57	Seba Jeelani	M. Pharm II Year	Jeelani.
58	Kalal Ashwini	M. Pharm II Year	Ashwini
59	Gopal	M. Pharm II Year	Gopal
60	H Shiva Kumar	M. Pharm II Year	Shiva.
61	Kashamalla Vishnuvardhan	M. Pharm II Year	vishnuvardhan
62	Ch Naveen Kumar	M. Pharm II Year	Naveen
63	Jeslin Ann James	M. Pharm II Year	Ann James
64	Mudavath Swathi	M. Pharm II Year	Swathi
65	Vidha Akhila	M. Pharm II Year	Akhila
66	P Roja	M. Pharm II Year	Roja

P. Indrak Chandia Bmc
PROGRAM CO-ORDINATOR


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Program Title: Two Week Certificate Course on **Pharmaceutical Marketing Management**

Date: 04-03-2019 to 20-03-2019

A. Y: 2018-2019

S. No.	Name of the Students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
1	S V Lalitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
2	Todupunuri Shivani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
3	Nirumalla Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
4	N Swathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
5	B Akhila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
6	Pamukuntala Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
7	M Jhansi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
8	Sanapala Sindhuja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
9	Itta Usha Sri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
10	Bobbili Saiveda	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
11	Lakavath Dhanalakshmi	P	P	P	P	P	P	A	P	P	P	P	P	P	P	13
12	B Vamshidhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
13	Mekala Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
14	Lingamaneni Sai Chethana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
15	Tekula Saraswathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
16	Ramasetty Bhavani Naidu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
17	Syeda Zeba Tarannum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
18	U. Yarun	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
19	Chinka Nikhil Sai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
20	Chava Manasvini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
21	Bollam Rashmitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

[Signature]

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22	Syeda Sana Fatima	P	P	P	P	P	P	P	P	P	P	P	P	P	14
23	burugupally Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	14
24	Haqqani Nadia	P	P	P	P	P	P	P	P	P	P	P	P	P	14
25	Rudraraju Krishna Chaitanya	P	P	P	P	P	P	P	P	P	P	P	P	P	14
26	Sana Sultana	P	P	P	P	P	P	P	P	P	P	P	P	P	14
27	Sai Chandra	P	P	P	P	P	P	P	P	P	P	P	P	P	14
28	Pravalika Dasari	P	P	P	P	P	A	P	P	P	P	P	P	P	13
29	Juveria Fathima	P	P	P	P	P	P	P	P	P	P	P	P	P	14
30	Begari Piyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	14
31	Nishat Unnisa Begum	P	P	P	P	P	P	P	P	P	P	P	P	P	14
32	Iffath Farzin	P	P	P	P	P	P	P	P	P	P	P	P	P	14
33	Mannalliker Malleshwari	P	P	P	P	P	P	P	P	P	P	P	P	P	14
34	Kotala Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
35	Narsanolla Priyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	14
36	Jyothi K	P	P	P	P	P	P	P	P	P	P	P	P	P	14
37	Kurre Rajech Babu	P	P	P	P	P	P	P	P	P	P	P	P	P	14
38	Angari Supriya	P	P	P	P	P	P	P	P	P	P	P	P	P	14
39	Karnolla Prasad	P	P	P	P	P	P	P	P	P	P	P	P	P	14
40	K Pravalika	P	P	P	P	P	P	P	P	P	P	P	P	P	14
41	Konda Sri Chaya Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	14
42	Rathod Rakesh Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
43	Mohammad Khaja Ziauddin	P	P	P	P	P	P	P	P	P	P	P	P	P	14
44	Sardar Manpreet Kaur	P	P	P	P	P	P	P	P	P	P	P	P	P	14
45	Bhushanagari Rajeshwari	P	P	P	P	P	P	P	P	P	P	P	P	P	14
46	Pariyada Sai Krupa	P	P	P	P	P	P	P	P	P	P	P	P	P	14

[Signature]

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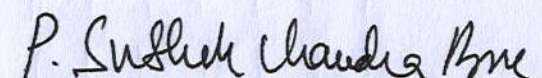
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47	Dontha Bhavana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
48	K Vishalakshi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
49	Ponna Madhuri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
50	D Bharathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
51	Tummalapalli Pavithra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
52	Rebeca	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
53	Juweria	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
54	Yamjala Jaipal Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
55	Kalali Saisree	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
56	G Nikitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
57	Seba Jeelani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
58	Kalal Ashwini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
59	Gopal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
60	H Shiva Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
61	Kashamalla Vishnuvardhan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
62	Ch Naveen Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
63	Jeslin Ann James	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
64	Mudavath Swathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
65	Vidha Akhila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
66	P Roja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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PROGRAM CO-ORDINATOR



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Date: 22-03-2019

PROGRAM REPORT

Title of the Course: Two Week Certificate Course on **Pharmaceutical Marketing Management**

Schedule Period: 04-03-2019 to 20-03-2019

Number of Participants: 66

Details of Resource Persons:

Dr. P. Srikanth Reddy

Associate Professor

Dept. of Pharmaceutics

Mobile No: 8897273513

Dr. P. Phani Deepika

Associate Professor

Dept. of Pharmaceutics

Mobile No: 7032875445

Dr. P. Murali Krishna

Associate Professor

Dept. of Pharm. Chemistry

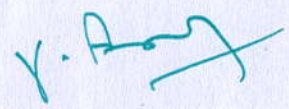
Mobile No: 8019344155

Mrs. Gande Saijyosthana

Assistant Professor

Dept. of Pharmaceutics

Mobile No: 9700572224


PRINCIPAL
MNR COLLEGE OF PHARMACY

The MNR College of Pharmacy, Sangareddy has conducted two week certificate course on **Pharmaceutical Marketing Management** under the guidance of Principal Dr. V Alagarsamy. This document offers the detail information of the programme conducted in a form of report.

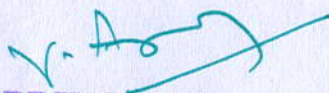
Objectives:

The main aim of this course is to provide the various marketing concepts and techniques and their applications in the pharmaceutical industry. It also provides basic knowledge about rural marketing, drug price control order, National Pharmaceutical Pricing Authority, global marketing etc. The main objectives are

- To learn about emerging trends in marketing
- To know about issues in price management in pharmaceutical industries
- To know about the Professional sales representative roles and responsibilities
- To learn about pharmaceutical marketing channels and its types

Learning Outcomes:

- Gather knowledge about various marketing channels
- Learn about global and local marketing etc
- Study about price fixing and management

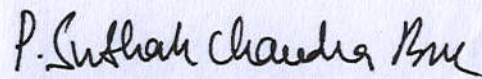

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Dr. P. Srikanth Reddy, Associate Professor, Dept of Pharmaceutics, MNR College of Pharmacy, Sangareddy delivering lecture Pharmaceutical Marketing Management

This course was very beneficial and supportive to the students for learning about **Pharmaceutical Marketing Management**. The Management and the Principal Dr. V. Alagarsamy appreciated the resource persons and students for making this certificate course as in effect one.


PRINCIPAL
MNR COLLEGE OF PHARMACY


PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by AICTE & PCI, New Delhi & Affiliated to Osmania University, Hyderabad}

V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)

Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



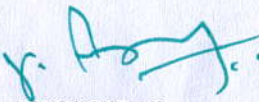
Date: 02-02-2019

CIRCULAR

We hereby inform to B. Pharm IV Year students that we are organizing Two Week Certificate Course on “Pharma 4.0 Operating Model & Continuous Manufacturing” during 04-02-2019 to 20-02-2019. All the students are instructed to enroll their names to the corresponding coordinator and attend the classes without fail.

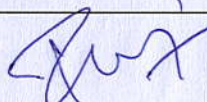
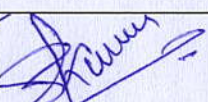
Venue: Seminar Hall, MNR College of Pharmacy

Co-ordinator: Mrs. M. T. Sulthana


PRINCIPAL

PRINCIPAL
MNR COLLEGE OF PHARMACY
Fasalwadi, Sangareddy-502294
Telangana, Ph: 08455-230690

Copy To: -

HOD's				Office
	P. Indira			

**TWO WEEK CERTIFICATE
COURSE
ON
PHARMA 4.0 OPERATING
MODEL
&
CONTINUOUS
MANUFACTURING**

Course Period: 04-02-2019 to 20-02-2019



Organized By

MNR COLLEGE OF PHARMACY

FASALWADI, SANGAREDDY

HYDERABAD


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MNR COLLEGE OF PHARMACY

Objectives of the Course:

The peculiar aim of this programme is to impart well-nourished knowledge to the students about practical guidance, entrenching regulatory best practices and various Pharma transformations. The essential component of this course is digitalization that creating novel levels of transparency and adaptivity. This course also provides the alignment of expectations, interpretations with global pharmaceutical regulations and the bridging between ICH guidelines and Pharma 4.0 operating models.

The major objectives are

1. To provide knowledge about organizations involved in the pharmaceutical product lifecycle to influence the possible of digitalization to establish faster therapeutic innovations and improved production processes in accordance with patients benefit.
2. To explain about Pharma 4.0-based manufacturing concepts.
3. To teach about digitalization in Pharma industries.
4. To explain about Holistic control strategy from ICH guidelines to Pharma 4.0.

RESOURCE PERSONS**Dr. P. Subhash Chandra Bose**

Professor

Dept. of Pharmaceutics

penjurisubhash@gmail.com

Mobile No: 9848033974

Dr. Valluru Ravi

Professor

Dept. of Pharmaceutics

ravivalluru@rediffmail.com

Mobile No: 9844404460

Dr. P. Phani Deepika

Associate Professor

Dept. of Pharmaceutics

deepika.phani@gmail.com

Mobile No: 7032875445


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Mrs. Tatipamula Pratyusha
Assistant Professor
Dept. of Pharmaceutics
pratyusha.mpharm@gmail.com
Mobile No: 9959852551

Programme Co-ordinator

Mrs. M. T. Sulthana
Assistant Professor
mtsulthana@gmail.com
Mobile No: 8297902830

Student Co-ordinators

Ms. Adiba Maheen
Mr. Govu Pradeep Kumar


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Phone: 08455-230690, 08500056663

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Title of the Course: Two Week Certificate Course on Pharma 4.0 Operating Model & Continuous Manufacturing

Schedule Period: 04-02-2019 to 20-02-2019

Committee Members for Curriculum Plan, Design and Development:

S. No.	Name of the Faculty	Designation	Signature
1	Dr. P. Subhash Chandra Bose	Professor	P. Subhash
2	Dr. Valluru Ravi	Professor	Ravi
3	Dr. P. Phani Deepika	Associate Professor	P. Phani Deepika
4	Mrs. Tatimapula Pratyusha	Assistant Professor	T. Pratyusha


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Curriculum plan for Two Week Certificate Course on **Pharma 4.0 Operating Model & Continuous Manufacturing**

Session Details	Title of the session
Session 1	Introduction about Pharmaceutical Industries Development & growth of Pharmaceutical Industries up to 2016
Session 2	Introduction about Pharma 4.0 ISPE Community Practice
Session 3	Operating model of Pharma 4.0 Digital enablement
Session 4	Process Mapping, Critical Thinking Data Mapping to Virtual Models
Session 5	Development of machine learning Automation in Pharma Industry
Session 6	Current Validation Techniques Validation 4.0
Session 7	ICH Guidelines, Management strategy Communication Strategy
Session 8	Digitalization, Work force of the future Available and Qualified
Session 9	Information Systems, Culture, Communication Decision Making
10	Continuous Process Verification Process Automation Parametric value

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MNR COLLEGE OF PHARMACY

ABOUT THE COLLEGE

MNR College of Pharmacy at Sangareddy, one-hour drive away from hi-tech city, is one among the 78 top grade institutions run across the globe by MNR Educational Trust. This trust was formed in 1974 by Sri. M. N. Raju with the noble aim to shape the student into proud citizen of this great nation, laying emphasis on honing their intake skill and addressing their psychological and spiritual needs. Sri. M. S. Ravi Varma, the dynamic Vice-chairman of this trust adds a perfect blend of modern approaches required to achieve the goal. The colleges possess state of the art laboratories providing the best platform for training the students to become a scientist, industrial or community pharmacist. Our trust entered MOU with various industries in and around Hyderabad, as well as with foreign universities to meet the global standards.

COURSES OFFERED

B. Pharmacy	—	4 Years
Pharm D	—	6 Years
Pharm D (PB)	—	3 Years
M. Pharmacy	—	2 Years
Pharmaceutical Chemistry		
Pharmaceutics		
Pharmacology		


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MNR COLLEGE OF PHARMACY

PROGRAM COMMITTEE

Chief Patron

Shri M. N. Raju

Chairman

MNR Educational Trust

Patron

Shri M. S. Ravi Varma

Vice-Chairman

MNR Educational Trust

Organizing Team

Dr. V. Alagarsamy

Principal

MNR College of Pharmacy

Mrs. M. T. Sulthana

Assistant Professor

mtsulthana@gmail.com

Student Co-ordinators

Mr. Sirisilla Shashank

Ms. Rahimunnisa

Address for Correspondence

Dr. P. Srikanth Reddy

Associate Professor

Dept. of Pharmaceutics

poreddysrikanthreddy@gmail.com

Mobile No: 9686869897



Two Week Certificate Course On Pharma 4.0 Operating Model & Continuous Manufacturing Program Details

04-02-2019 to 20-02-2019



Organized By

MNR COLLEGE OF PHARMACY,
MNR Higher Education and Research
Academy Campus
Sangareddy-502294 Gr. Hyderabad
Telangana

www.mnrindia.org

ABOUT THE COURSE

The peculiar aim of this programme is to impart well-nourished knowledge to the students about practical guidance, entrenching regulatory best practices and various Pharma transformations. The essential component of this course is digitalization that creating novel levels of transparency and adaptivity. This course also provides the alignment of expectations, interpretations with global pharmaceutical regulations and the bridging between ICH guidelines and Pharma 4.0 operating models.

OBJECTIVES

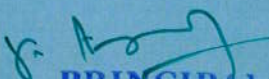
- To provide knowledge about organizations to establish faster therapeutic innovations and improved production processes in accordance with patients benefit.
- To explain about Pharma 4.0-based manufacturing concepts.
- To teach about digitalization in Pharma industries.
- To explain about Holistic control strategy from ICH guidelines to Pharma 4.0.

LEARNING OUTCOMES

- Know the revolution of Pharma 4.0
- To learn about ICH guidelines.
- Learn about digitalization in Pharma Industry.
- Learn about validation 4.0 & Holistic strategy approach.

TOPICS TO BE COVERED

- History of Pharma Industries growth
- Pharma 4.0 Introduction
- ISPE Community Pharmacy
- Pharma 4.0 – Operating model
- Digital Enablement
- Process Mapping
- Data Mapping to Virtual Models
- Machine Learning
- Automation in Pharma Industry
- Validation 4.0
- Current validation Techniques
- ICH Guidelines
- Management Strategy
- Future work force
- Information Systems
- Continuous process verification
- Process Automation
- Decision Making
- Parametric value
- HL


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REGISTRATION ELIGIBILITY

This course is intended for B. Pharm IV Year students.

RESOURCE PERSONS:

Dr. P. Subhash Chandra Bose
Professor
Dept. of Pharmaceutics

Dr. Valluru Ravi
Professor
Dept. of Pharmaceutics

Dr. P. Phani Deepika
Associate Professor
Dept. of Pharmaceutics

Mrs. Tatipamula Pratyusha
Assistant Professor
Dept. of Pharmaceutics





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List of students Enrolled for Two Week Certificate Course on **Pharma 4.0 Operating Model & Continuous Manufacturing**

Date: 04-02-2019 to 20-02-2019

A. Y: 2018-2019

S. No.	Name of the Students	Course & Year	Signature
1	Govu Pradeep Kumar	B. Pharm IV Year	Pradeep
2	Sana Shireen	B. Pharm IV Year	Shireen
3	Sheri Sowmya	B. Pharm IV Year	Sowmya.
4	Natukar Bhavanai	B. Pharm IV Year	Bhavanai
5	Patlolla Srivani	B. Pharm IV Year	Srivani.
6	Rahimunnisa	B. Pharm IV Year	Rahimunnisa
7	Shaguta Nihal	B. Pharm IV Year	Nihal.
8	Niveditha Reddy Gungurthi	B. Pharm IV Year	Niveditha
9	Buddhe Renuka	B. Pharm IV Year	Renuka.
10	M Akhila	B. Pharm IV Year	M. Akhila
11	Mohd Mohiuddin	B. Pharm IV Year	Mohiuddin.
12	Pampati Imran	B. Pharm IV Year	Imran
13	Mohammadi Tabassum	B. Pharm IV Year	Tabassum.
14	N Deepika	B. Pharm IV Year	Deepika
15	Nusrath	B. Pharm IV Year	Nusrath
16	Ayesha Tabassum	B. Pharm IV Year	Ayesha
17	Padakuntla Himaja	B. Pharm IV Year	Himaja.
18	Pari Anitha	B. Pharm IV Year	Anitha
19	Maliha Nousheen	B. Pharm IV Year	Nousheen
20	Buyani Anusha	B. Pharm IV Year	Anusha.
21	Mohd Inzimam	B. Pharm IV Year	Inzimam.


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22	Thota Lavan Kumar	B. Pharm IV Year	Lavan
23	Thimmapally Pravalika	B. Pharm IV Year	Pravalika
24	Afra Shaista	B. Pharm IV Year	Shaista
25	Chettukindi Savithri	B. Pharm IV Year	Savithri
26	Kopole Sindhuja	B. Pharm IV Year	Sindhuja
27	M Anusha	B. Pharm IV Year	Anusha
28	Rizwanunnisa	B. Pharm IV Year	Rizwan
29	Tannaz Saba	B. Pharm IV Year	Saba
30	Meanampally Babitha Reddy	B. Pharm IV Year	Babitha
31	Bijolla Harish	B. Pharm IV Year	Harish
32	Ganjai Kezia	B. Pharm IV Year	Kezia
33	Gangannagari Saikiran	B. Pharm IV Year	Saikiran
34	Konde Prashanthi	B. Pharm IV Year	Prashanthi
35	Nambi Manogna	B. Pharm IV Year	M. Manogna
36	Brahmanapally Jyothi	B. Pharm IV Year	B. Jyothi
37	Sirisilla Shashank	B. Pharm IV Year	S. Shashank
38	Adiba Mahmeen	B. Pharm IV Year	Adiba Mahmeen
39	Jasira Tamkeen	B. Pharm IV Year	J. Tamkeen
40	Dudekela Iliyas	B. Pharm IV Year	D. Iliyas
41	Ernam Preethi	B. Pharm IV Year	Preethi
42	Kavali Chakrapani	B. Pharm IV Year	Chakrapani
43	Madapati Nikhil Kumar	B. Pharm IV Year	N. Kumar
44	Mattapally Rakeshwar	B. Pharm IV Year	Rakesh
45	Zeba Nazneen	B. Pharm IV Year	Nazneen
46	Sana	B. Pharm IV Year	Sana
47	Kalyani	B. Pharm IV Year	Kalyani

48	Reema Kumari	B. Pharm IV Year	Reema
49	Kamalika Das	B. Pharm IV Year	Kamalika
50	Saurabh Biswas	B. Pharm IV Year	Saurabh Biswas
51	Rangol Alekhya	B. Pharm IV Year	Alekhya
52	Panchal Gitanjali Vishnu	B. Pharm IV Year	Vishnu
53	Abu Zafar Mohammad Kawsar	B. Pharm IV Year	Abu Zafar
54	Mandula Nishitha	B. Pharm IV Year	Nishitha
55	Jeherul Islam	B. Pharm IV Year	Jeherul
56	Angelia Thangrimawi Sungte	B. Pharm IV Year	Angelia
57	Md Abid Hussain	B. Pharm IV Year	Hussain
58	Bobbeeta Teron	B. Pharm IV Year	Teron
59	Christina Narzary	B. Pharm IV Year	Christina
60	Pakija Nasreen	B. Pharm IV Year	Nasreen
61	Ziaul Houqe	B. Pharm IV Year	Houqe
62	Kokkanda Vinay Goud	B. Pharm IV Year	Vinay
63	Inamul Hassan	B. Pharm IV Year	Hassan
64	Abu Iftiar Alom	B. Pharm IV Year	Abu Iftiar
65	Hatem Kareem Moosa	B. Pharm IV Year	Moosa
66	Abdulrahman Saadoon Sabti	B. Pharm IV Year	Sabti
67	Bijjala Pavan Kumar	B. Pharm IV Year	Pavan Kumar
68	Kankari Ganesh Yadav	B. Pharm IV Year	Ganesh
69	Dani Koyang	B. Pharm IV Year	Koyang
70	Banjit Borah	B. Pharm IV Year	Banjit Borah
71	Tezency Seb	B. Pharm IV Year	Seb
72	Khushepu Sumi	B. Pharm IV Year	Sumi
73	Manowar Hussain	B. Pharm IV Year	Manowar

74	Chiranjib Dutta	B. Pharm IV Year	Chiranjib
75	Khairul Islam	B. Pharm IV Year	K. Islam
76	Livi H Yeptho	B. Pharm IV Year	L. yeptho
77	Saikul Hind	B. Pharm IV Year	S. Hind.
78	Moasola Jamir	B. Pharm IV Year	Moasola Jamir
79	Nungmeren Jamir	B. Pharm IV Year	N. Jamir
80	B Laxmi	B. Pharm IV Year	B. Laxmi
81	Abdul Afeera Jabeen	B. Pharm IV Year	Jabeen


PRINCIPAL
MNR COLLEGE OF PHARMACY


PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

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Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Program Title: Two Week Certificate Course on Pharma 4.0 Operating Model & Continuous Manufacturing

Date: 04-02-2019 to 20-02-2019

A. Y: 2022-2023

S. No.	Name of the Students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
1	Govu Pradeep Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
2	Sana Shireen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
3	Sheri Sowmya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
4	Natukar Bhavanai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
5	Patlolla Srivani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
6	Rahimunnisa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
7	Shaguta Nihal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
8	Niveditha Reddy Gungurthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
9	Buddhe Renuka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
10	M Akhila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
11	Mohd Mohiuddin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
12	Pampati Imran	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
13	Mohammadi Tabassum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
14	N Deepika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
15	Nusrath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
16	Ayesha Tabassum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
17	Padakuntla Himaja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
18	Pari Anitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
19	Maliha Nousheen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
20	Buyani Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

[Signature]

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21	Mohd Inzimam	P	P	P	P	P	P	P	P	P	P	P	P	P	14
22	Thota Lavan Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
23	Thimmapally Pravalika	P	P	P	P	P	P	P	P	P	P	P	P	P	14
24	Afra Shaista	P	P	P	P	P	P	P	P	P	P	P	P	P	14
25	Chettukindi Savithri	P	P	P	P	P	P	P	P	P	P	P	P	P	14
26	Kopole Sindhuja	P	P	P	P	P	P	P	P	P	P	P	P	P	14
27	M Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
28	Rizwanunnisa	P	P	P	P	P	P	P	P	P	P	P	P	P	14
29	Tannaz Saba	P	P	P	P	P	P	P	P	P	P	P	P	P	14
30	Meanampally Babitha Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	14
31	Bijolla Harish	P	P	P	P	P	P	P	P	P	P	P	P	P	14
32	Ganjai Kezia	P	P	P	P	P	P	P	P	P	P	P	P	P	14
33	Gangannagari Saikiran	P	P	P	P	P	P	P	P	P	P	P	P	P	14
34	Konde Prashanthi	P	P	P	P	P	P	P	P	P	P	P	P	P	14
35	Nambi Manognya	P	P	P	P	P	P	P	P	P	P	P	P	P	14
36	Brahmanapally Jyothi	P	P	P	P	P	P	P	P	P	P	P	P	P	14
37	Sirisilla Shashank	P	P	P	A	P	P	P	P	P	P	P	P	P	13
38	Adiba Mahmeen	P	P	P	P	P	P	P	P	P	P	P	P	P	14
39	Jasira Tamkeen	P	P	P	P	P	P	P	P	P	P	P	P	P	14
40	Dudekela Iliyas	P	P	P	P	P	P	P	P	P	P	P	P	P	14
41	Ernam Preethi	P	P	P	P	P	P	P	P	P	P	P	P	P	14
42	Kavali Chakrapani	P	P	P	P	P	P	P	P	P	P	P	P	P	14
43	Madapati Nikhil Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
44	Mattapally Rakeshwar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
45	Zeba Nazneen	P	P	P	P	P	P	P	P	P	P	P	P	P	14
46	Sana	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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47	Kalyani	P	P	P	P	P	P	P	P	P	P	P	P	P	14
48	Reema Kumari	P	P	P	P	P	P	P	P	P	P	P	P	P	14
49	Kamalika Das	P	P	P	P	P	P	P	P	P	P	P	P	P	14
50	Saurabh Biswas	P	P	P	P	P	P	P	P	P	P	P	P	P	14
51	Rangol Alekhya	P	P	P	P	P	P	P	P	P	P	P	P	P	14
52	Panchal Gitanjali Vishnu	P	P	P	P	P	P	P	P	P	P	P	P	P	14
53	Abu Zafar Mohammad Kawsar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
54	Mandula Nishitha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
55	Jeherul Islam	P	P	P	P	P	P	P	P	P	P	P	P	P	14
56	Angelia Thangrimawi Sungte	P	P	P	P	P	P	P	P	P	P	P	P	P	14
57	Md Abid Hussain	P	P	P	P	P	A	P	P	P	P	P	P	P	13
58	Bobeeta Teron	P	P	P	P	P	P	P	P	P	P	P	P	P	14
59	Christina Narzary	P	P	P	P	P	P	P	P	P	P	P	P	P	14
60	Pakija Nasreen	P	P	P	P	P	P	P	P	P	P	P	P	P	14
61	Ziaul Houqe	P	P	P	P	P	P	P	P	P	P	P	P	P	14
62	Kokkanda Vinay Goud	P	P	P	P	P	P	P	P	P	P	P	P	P	14
63	Inamul Hassan	P	P	P	P	P	P	P	P	P	P	P	P	P	14
64	Abu Iftiar Alom	P	P	P	P	P	P	P	P	P	P	P	P	P	14
65	Hatem Kareem Moosa	P	P	P	P	P	P	P	P	P	P	P	P	P	14
66	Abdulrahman Saadoon Sabti	P	P	P	P	P	P	P	P	P	P	P	P	P	14
67	Bijjala Pavan Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
68	Kankari Ganesh Yadav	P	P	P	P	P	P	P	P	P	P	P	P	P	14
69	Dani Koyang	P	P	P	P	P	P	P	P	P	P	P	P	P	14
70	Banjit Borah	P	P	P	P	P	P	P	P	P	P	P	P	P	14
71	Tezency Seb	P	P	P	P	P	P	P	P	P	P	P	P	P	14
72	Khushepu Sumi	P	P	P	P	P	P	P	P	P	P	P	P	P	14

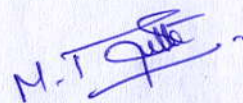


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73	Manowar Hussain	P	P	P	P	P	P	A	P	P	P	A	P	P	P	12
74	Chiranjib Dutta	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
75	Khairul Islam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
76	Livi H Yeptho	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
77	Saikul Hind	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
78	Moasola Jamir	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
79	Nungmeren Jamir	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
80	B Laxmi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
81	Abdul Afeera Jabeen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14



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PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

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V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)

Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 22-02-2019

PROGRAM REPORT

Title of the Course: Two Week Certificate Course on **Pharma 4.0 Operating Model & Continuous Manufacturing**

Schedule Period: 04-02-2019 to 20-02-2019

Number of Participants: 81

Details of Resource Persons:

Dr. P. Subhash Chandra Bose

Professor

Dept. of Pharmaceutics

Mobile No: 9848033974

Dr. Valluru Ravi

Professor

Dept. of Pharmaceutics

Mobile No: 9844404460

Dr. Phani Deepika

Associate Professor

Dept. of Pharmaceutics

Mobile No: 7032875445

Mrs. Tatipamula Pratyusha

Assistant Professor

Dept. of Pharmaceutics

Mobile No: 9959852551


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The MNR College of Pharmacy, Sangareddy has conducted two week certificate course on **Pharma 4.0 Operating Model & Continuous Manufacturing** under the guidance of Principal Dr. V Alagarsamy. This document offers the detail information of the programme conducted in a form of report.

Objectives:

The peculiar aim of this programme is to impart well-nourished knowledge to the students about practical guidance, entrenching regulatory best practices and various Pharma transformations. The essential component of this course is digitalization that creating novel levels of transparency and adaptivity. This course also provides the alignment of expectations, interpretations with global pharmaceutical regulations and the bridging between ICH guidelines and Pharma 4.0 operating models.

The major objectives are

- To provide knowledge about organizations involved in the pharmaceutical product lifecycle to influence the possible of digitalization to establish faster therapeutic innovations and improved production processes in accordance with patients benefit
- To explain about Pharma 4.0-based manufacturing concepts
- To teach about digitalization in Pharma industries
- To explain about Holistic control strategy from ICH guidelines to Pharma 4.0

Learning Outcomes:

- Know the revolution of Pharma 4.0
- To learn about ICH guidelines.
- Learn about digitalization in Pharma Industry.
- Learn about validation 4.0 & Holistic strategy approach.

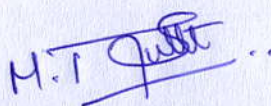

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Dr. P. Phani Deepika, Associate Professor, Department of Pharmaceutics,
MNR College of Pharmacy, delivering class about Pharma 4.0

This course was very beneficial and supportive to the students for learning about **Pharma 4.0 Operating Model & Continuous Manufacturing**. The Management and the Principal Dr. V. Alagarsamy appreciated the resource persons and students for making this certificate course as efficient one.


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PROGRAM CO-ORDINATOR



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Date: 04-01-2019

CIRCULAR

We hereby inform to Pharm D IV Year and Pharm D III Year students that we are organizing Two Week Certificate Course on “**Formulation Development and Process Validation**” during 07-01-2019 to 23-01-2019. All the students are instructed to enroll their names to the corresponding coordinator and attend the classes without fail.

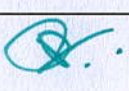
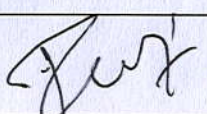
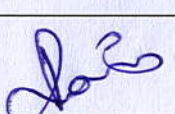
Venue: Seminar Hall, MNR College of Pharmacy

Co-ordinator: Mr. Bandi Narendhar


PRINCIPAL

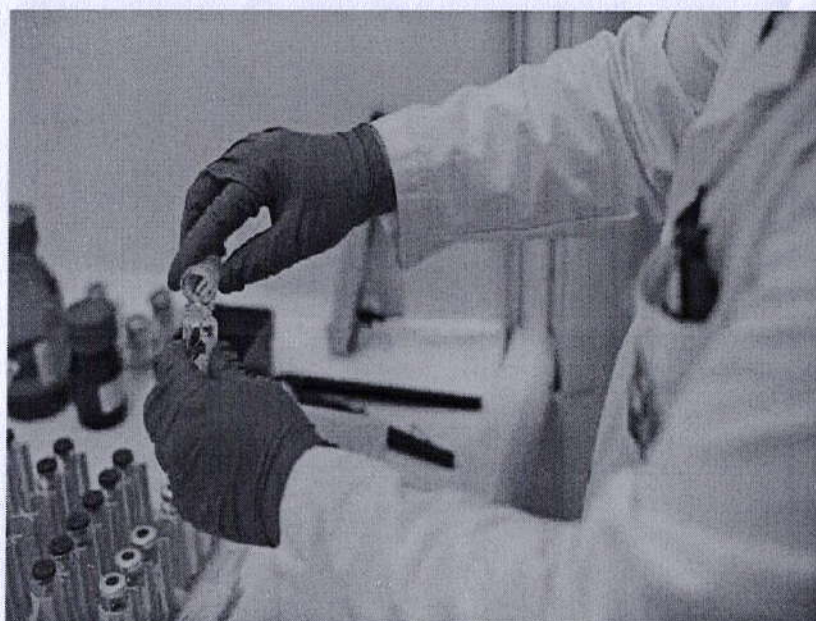
PRINCIPAL
MNR COLLEGE OF PHARMACY
Fasalwadi, Sangareddy-502294
Telangana, Ph: 08455-230690

Copy To: -

HOD's				Office
	P. Subbar			

**TWO WEEK CERTIFICATE
COURSE ON
FORMULATION
DEVELOPMENT AND
PROCESS VALIDATION**

Course Period: 07-01-2019 to 23-01-2019



**Organized By
MNR COLLEGE OF PHARMACY
FASALWADI, SANGAREDDY
HYDERABAD**

A handwritten signature in blue ink, likely of the Principal, is written above the printed name.

**PRINCIPAL
MNR COLLEGE OF PHARMACY**

Objectives of the Course:

The main aim of this programme is to impart the students about the various pharmaceutical dosage form and the fundamentals of optimization procedures. This course also provides the various principles novel technologies utilized in the industries for the development and validation process of pharmaceutical dosage forms. The major objectives are

1. To know about the various techniques used in industries for the development of dosage forms.
2. To obtain knowledge about the different kind, stability of polymers and additives used in dosage forms.
3. To understand the selection criteria of drugs, polymers and additives for the development of dosage forms, formulations and evaluation.

RESOURCE PERSONS**Dr. P. Subhash Chandra Bose**

Professor

Dept. of Pharmaceutics

penjuribose@gmail.com

Mobile No: 9848033974

Dr. Valluru Ravi

Professor

Dept. of Pharmaceutics

ravivalluru@rediffmail.com

Mobile No: 9844404460

Dr. P Srikanth Reddy

Associate Professor

Dept. of Pharmaceutics

poredrysrikanthreddy@gmail.com

Mobile No: 8897273513

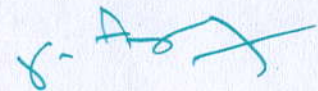
Mrs. Gande Saijyosthana

Assistant Professor

Dept. of Pharmaceutics

jyothsnagandey@gmail.com

Mobile No: 9700572224


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Programme Co-ordinator

Mr. Bandi Narendhar
Assistant Professor
narenpharma41@gmail.com
Mobile No: 9618797012

Student Co-ordinators

Mr. V. Badri
Ms. Ummarha Mahmeen



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Title of the Course: Two Week Certificate Course on **Formulation Development and Process Validation**

Schedule Period: 07-01-2019 to 23-01-2019

Committee Members for Curriculum Plan, Design and Development:

S. No.	Name of the Faculty	Designation	Signature
1	Dr. P. Subhash Chandra Bose	Professor	P. Subhash
2	Dr. Valluru Ravi	Professor	Ravi
3	Dr. P. Srikanth Reddy	Associate Professor	Reddy
4	Mrs. Gandey Saijyothsna	Assistant Professor	Saijyothsna

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Curriculum plan for Two Week Certificate Course on **Formulation Development and Process Validation**

Session Details	Title of the session
Session 1	Introduction to pre formulation studies, parameters in pre formulation, solid state characterization, solubility
Session 2	Selection of excipients for different dosage forms such as tablets, capsules, emulsions and suspensions
Session 3	Packaging techniques- selection and testing procedures for packing materials, significance of lipid solubility, compatibility studies between drug and excipients,
Session 4	Advanced techniques in materials selection, handling, Equipments for granulation, granulation techniques, quality control tests for tablets
Session 5	Formulation and development of hard and soft gelatin capsules, manufacturing techniques, various filling equipments and filling techniques,
Session 6	Characteristics of capsules and capsule shells, Placket Burhan method advanced techniques in capsule shell manufacturing, evaluations
Session 7	Packaging techniques, choice of selection of containers, quality control tests for packaging materials
Session 8	Manufacturing techniques of liquid dosage forms, injections, infusions and their quality control test
Session 9	Contour diagrams, simplex methods, partial factorial design
Session 10	Box Benkan method, Placket Burhan method, statistical design response surface method and applications

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ABOUT THE COLLEGE

MNR College of Pharmacy at Sangareddy, one-hour drive away from hi-tech city, is one among the 78 top grade institutions run across the globe by MNR Educational Trust. This trust was formed in 1974 by Sri. M. N. Raju with the noble aim to shape the student into proud citizen of this great nation, laying emphasis on honing their intake skill and addressing their psychological and spiritual needs. Sri. M. S. Ravi Varma, the dynamic Vice-chairman of this trust adds a perfect blend of modern approaches required to achieve the goal. The colleges possess state of the art laboratories providing the best platform for training the students to become a scientist, industrial or community pharmacist. Our trust entered MOU with various industries in and around Hyderabad, as well as with foreign universities to meet the global standards.

COURSES OFFERED

B. Pharmacy	—	4 Years
Pharm D	—	6 Years
Pharm D (PB)	—	3 Years
M. Pharmacy	—	2 Years
Pharmaceutical Chemistry		
Pharmaceutics		
Pharmacology		


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PROGRAM COMMITTEE

Chief Patron

Shri M. N. Raju

Chairman

MNR Educational Trust

Patron

Shri M. S. Ravi Varma

Vice-Chairman

MNR Educational Trust

Organizing Team

Dr. V. Alagarsamy

Principal

MNR College of Pharmacy

Mr. Bandi Narendhar

Assistant Professor

narenpharma41@gmail.com

Student Co-ordinators

Mr. V. Badri

Ms. Ummarha Mahmeen

Address for Correspondence

Ms. Vadduri Swathi

Assistant Professor

Dept. of Pharmaceutics

vadduriswathi@gmail.com

Mobile No: 8121033409



Two Week Certificate Course On Formulation Development And Process Validation

Program Details

07-01-2019 to 23-01-2019



Organized By

MNR COLLEGE OF PHARMACY,
MNR Higher Education and Research
Academy Campus
Sangareddy-502294 Gr. Hyderabad
Telangana

www.mnrindia.org

ABOUT THE COURSE

The main aim of this programme is to impart the students about the various pharmaceutical dosage form and the fundamentals of optimization procedures. This course also provides the various principles novel technologies utilized in the industries for the development and validation process of pharmaceutical dosage forms.

OBJECTIVES

- To know about the various techniques used in industries for the development of dosage forms
- To obtain knowledge about the different kind of polymers and additives used in dosage forms
- To understand the selection criteria of drugs, polymers and additives for the development of dosage forms, formulations and evaluation
- To provide knowledge about importance and stability of different packing materials

LEARNING OUTCOMES

- Know about the various techniques in Pharmaceutical Industries
- Know about the various process optimization techniques
- Obtain knowledge about the formulation and evaluation & quality control techniques
- Learn about various formulation additives in dosage forms

TOPICS TO BE COVERED

- Preformulation studies
- Parameters in preformulation
- Selection of excipients
- Packaging Techniques
- 361 (GTP) & 351(GMP) regulated products
- Advanced techniques in materials selection
- Manufacturing techniques
- Packaging techniques
- Equipment Maintenance
- Manufacturing techniques of liquid dosage forms
- Contour diagrams
- Cell Analytics field
- Simplex methods
- Partial factorial design
- Box Benkan method
- Placket Burhan method Process Automation
- Decision Making
- Parametric value
- HL

REGISTRATION ELIGIBILITY

This course is intended for Pharm D IV/Pharm D III Year students.

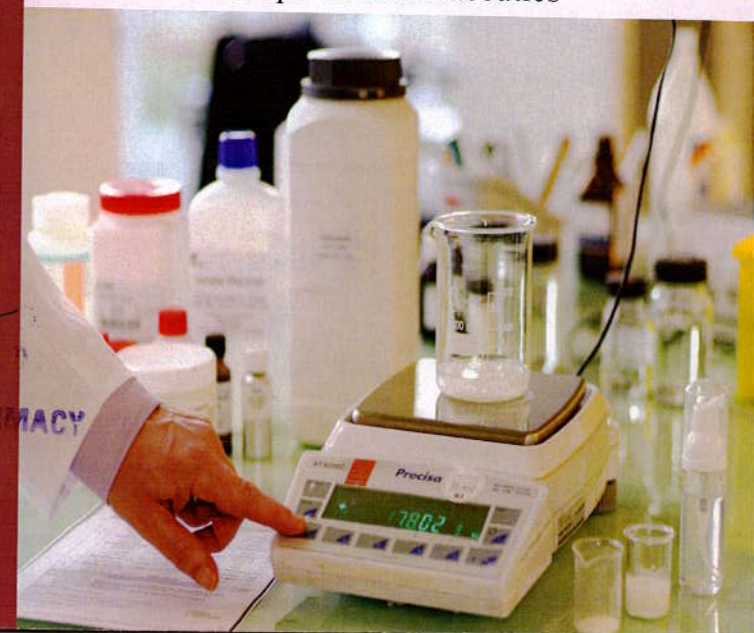
RESOURCE PERSONS:

Dr. P. Subhash Chandra Bose
Professor
Dept. of Pharmaceutics

Dr. Valluru Ravi
Professor
Dept. of Pharmaceutics

Dr. P Srikanth Reddy
Associate Professor
Dept. of Pharmaceutics

Mrs. Gande Saijyosthana
Assistant Professor
Dept. of Pharmaceutics





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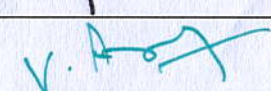


List of students Enrolled for Two Week Certificate Course on **Formulation Development and Process Validation**

Date: 07-01-2019 to 23-01-2019

A. Y: 2018-2019

S. No.	Name of the Students	Course & Year	Signature
1	Tuniki Deepak Kumar	Pharm D IV Year	Deepak
2	Injamuri Naveena	Pharm D IV Year	Naveena
3	Boda Rajeshwari	Pharm D IV Year	B. Rajeshwari
4	Rajipet Priyanka	Pharm D IV Year	Priyanka
5	V Badri	Pharm D IV Year	Badri.V.
6	Rathod Praveena	Pharm D IV Year	Praveena
7	Bhukya Srikanth	Pharm D IV Year	Srikanth
8	Mehvish Hussain	Pharm D IV Year	Mehvish
9	Pantula Roshini	Pharm D IV Year	Roshini
10	Begari Manasa	Pharm D IV Year	B. Manasa
11	Mendem Sowjanya	Pharm D IV Year	Sowjanya
12	Upputuri Mounika Priya	Pharm D IV Year	Priya
13	Valmeekam Kavya	Pharm D IV Year	Kavya
14	Vemula Ajith Kumar	Pharm D IV Year	Ajith
15	Md Aqib Ali Faraz	Pharm D IV Year	Faraz
16	Madapathi Vishwanath Swamy	Pharm D IV Year	Vishwa
17	Syed Salman	Pharm D IV Year	Salman
18	Komirishetty Bhargavi	Pharm D IV Year	Bhargavi
19	Patil Shubham Subhash Rao	Pharm D IV Year	Shubham


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20	Mohammad Abdul Raqeebuddin	Pharm D IV Year	Raqeeb
21	Amatul Baseer	Pharm D IV Year	Baseer
22	Syeda Sana Fatima	Pharm D IV Year	Fatima
23	Talari Joni Shruthika	Pharm D IV Year	Shruthika
24	Ashmita Nayak	Pharm D III Year	Ashmita Nayak
25	Vadlakonda Shiva Kumar	Pharm D III Year	Shiva Kumar
26	Veerabathini Ramya	Pharm D III Year	Ramya
27	Mandre Akshitha	Pharm D III Year	Akshitha
28	Afsha Jabeen	Pharm D III Year	Afsha
29	K Keerthi	Pharm D III Year	Keerthi
30	B Bheemesh	Pharm D III Year	Bheemesh
31	Dulam Raveena	Pharm D III Year	Raveena
32	Rauth Sachin	Pharm D III Year	Sachin
33	B Venkatesh	Pharm D III Year	Venkatesh
34	Munnur Navya	Pharm D III Year	Navya
35	Dharavath Balu	Pharm D III Year	D. Balu
36	Kanakuntla Sunith Kumar	Pharm D III Year	K. Kumar
37	Bombathula Swathi	Pharm D III Year	B. Swathi
38	Moshappagari Vennela	Pharm D III Year	M. Vennela
39	Arelly Arunkumar	Pharm D III Year	A. Arunkumar
40	Abdul Siddiq	Pharm D III Year	A. Siddiq
41	Ayesha Jabeen	Pharm D III Year	Jabeen
42	Gadicharla Shiva Teja	Pharm D III Year	Teja
43	Md Reza Alam	Pharm D III Year	Reza
44	Ummarha Mahmeen	Pharm D III Year	Ummarha Mahmeen
45	Ayesha Saleem	Pharm D III Year	Ayesha Saleem


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46	Kalluri Sridevi	Pharm D III Year	<u>Sridevi</u>
47	Paladugu Harshitha	Pharm D III Year	<u>Harshitha</u>
48	Vanga Varshitha	Pharm D III Year	<u>Varshitha</u>
49	Sameena Anjum	Pharm D III Year	<u>Sameena</u>



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PROGRAM CO-ORDINATOR



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Program Title: Two Week Certificate Course on **Formulation Development and Process Validation**

Date: 07-01-2019 to 23-01-2019

A. Y: 2018-2019

S. No.	Name of the Students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
1	Tuniki Deepak Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
2	Injamuri Naveena	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
3	Boda Rajeshwari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
4	Rajipet Priyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
5	V Badri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
6	Rathod Praveena	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
7	Bhukya Srikanth	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
8	Mehvish Hussain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
9	Pantula Roshini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
10	Begari Manasa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
11	Mendem Sowjanya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
12	Upputuri Mounika Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
13	Valmeekam Kavya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
14	Vemula Ajith Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
15	Md Aqib Ali Faraz	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
16	Madapathi Vishwanath Swamy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
17	Syed Salman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
18	Komirishetty Bhargavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
19	Patil Shubham Subhash Rao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

V. A. S.

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20	Mohammad Abdul Raqeebuddin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
21	Amatul Baseer	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
22	Syeda Sana Fatima	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
23	Talari Joni Shruthika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
24	Ashmita Nayak	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
25	Vadlakonda Shiva Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
26	Veerabathini Ramya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
27	Mandre Akshitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
28	Afsha Jabeen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
29	K Keerthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
30	B Bheemesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
31	Dulam Raveena	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
32	Rauth Sachin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
33	B Venkatesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
34	Munnur Navya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
35	Dharavath Balu	P	P	P	P	P	P	A	P	P	P	P	P	P	P	13
36	Kanakuntla Sunith Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
37	Bombathhula Swathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
38	Moshappagari Vennela	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
39	Arelly Arunkumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
40	Abdul Siddiq	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
41	Ayesha Jabeen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
42	Gadicharla Shiva Teja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
43	Md Reza Alam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
44	Ummarha Mahmeen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
45	Ayesha Saleem	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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46	Kalluri Sridevi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
47	Paladugu Harshitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
48	Vanga Varshitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
49	Sameena Anjum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14



PRINCIPAL
MNR COLLEGE OF PHARMACY



PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by AICTE & PCI, New Delhi & Affiliated to Osmania University, Hyderabad}
V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)
Phone: 08455-230690, 08500056663
www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 25-01-2019

PROGRAM REPORT

Title of the Course: Two Week Certificate Course on Formulation Development and Process Validation

Schedule Period: 07-01-2019 to 23-01-2019

Number of Participants: 49

Details of Resource Persons:

Dr. P. Subhash Chandra Bose

Professor

Dept. of Pharmaceutics

Mobile No: 9848033974

Dr. Valluru Ravi

Professor

Dept. of Pharmaceutics

Mobile No: 9844404460

Dr. P Srikanth Reddy

Associate Professor

Dept. of Pharmaceutics

Mobile No: 8897273513

Mrs. Gande Saijyosthana

Assistant Professor

Dept. of Pharmaceutics

Mobile No: 9700572224

PRINCIPAL
MNR COLLEGE OF PHARMACY

The MNR College of Pharmacy, Sangareddy has conducted two week certificate course on **Formulation Development and Process Validation** under the guidance of Principal Dr. V Alagarsamy. This document provides the detail information of the programme conducted in a form of report.

Objectives:

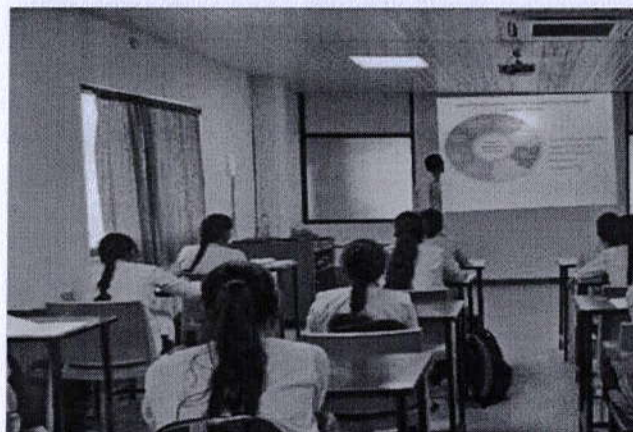
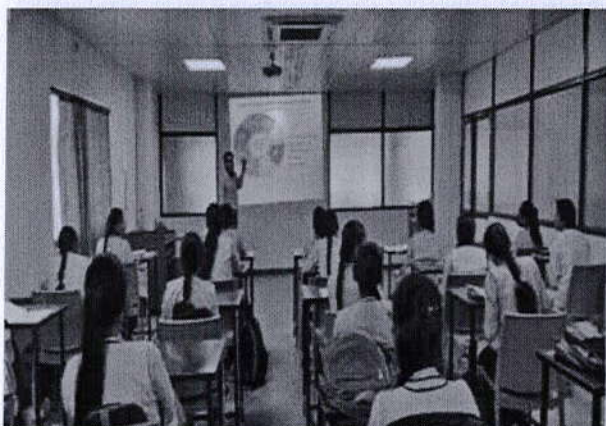
The main aim of this programme is to impart the students about the various pharmaceutical dosage form and the fundamentals of optimization procedures. This course also provides the various principles novel technologies utilized in the industries for the development and validation process of pharmaceutical dosage forms. The major objectives are

- To know about the various techniques used in industries for the development of dosage forms.
- To obtain knowledge about the different kind of polymers and additives used in dosage forms.
- To understand the selection criteria of drugs, polymers and additives for the development of dosage forms, formulations and evaluation.
- To provide knowledge about importance and stability of different packing materials.

Learning Outcomes:

- Know about the various techniques in Pharmaceutical Industries
- Know about the various process optimization techniques
- Obtain knowledge about the formulation and evaluation & quality control techniques
- Learn about various formulation additives in dosage forms


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Dr. P. Srikanth Reddy, Associate Professor, Dept. of Pharmaceutics, MNR College of Pharmacy, delivering class about different quality control techniques

This course was very beneficial and supportive to the students for learning about various kinds of formulations, packaging materials, dosage forms and their evaluation techniques. The Management and the Principal Dr. V. Alagarsamy appreciated the resource persons and students for making this certificate course as successful one.

PRINCIPAL
MNR COLLEGE OF PHARMACY

PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

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Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 01-12-2018

CIRCULAR

We hereby inform to Pharm D V Year and M. Pharm I Year students that we are organizing Two Week Certificate Course on “**Medical Devices Regulations**” during 03-12-2018 to 19-12-2018. All the students are instructed to enroll their names to the corresponding coordinator and attend the classes without fail.

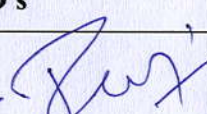
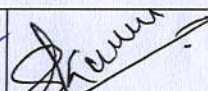
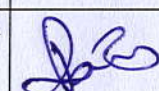
Venue: Seminar Hall, MNR College of Pharmacy

Co-ordinator: Dr. P. Phani Deepika

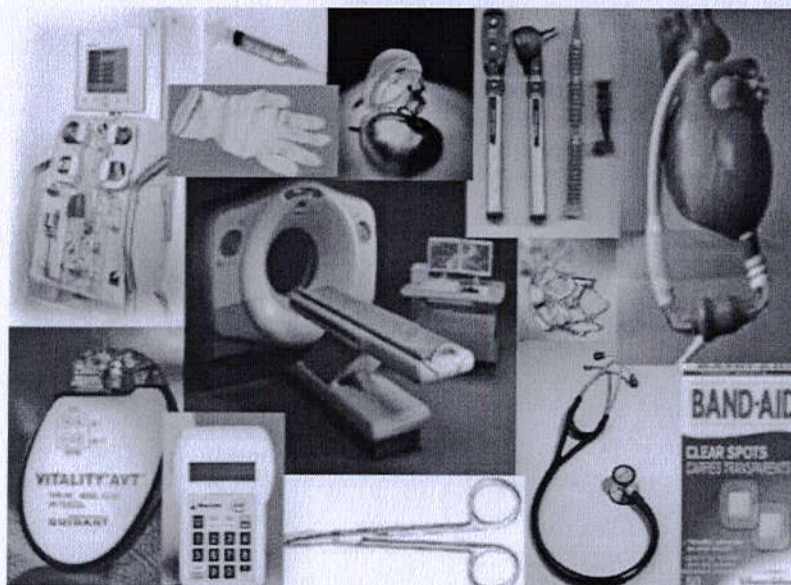

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MNR COLLEGE OF PHARMACY
Fasalwadi, Sangareddy-502294
Telangana, Ph: 08455-230690

Copy To: -

HOD's				Office
	P. Sankar			

Course Period: 03-12-2018 to 19-12-2018



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Objectives of the Course:

The important goal of this course to provide the basic knowledge of medical devices by explaining what is and is not a medical device, how devices are regulated and the basic requirements of any business making, importing or distributing medical devices. This also provides information about regulations and what the legal requirements are for maintaining the device throughout its lifetime on the market. The main objectives are

1. To learn about the basic information about medical devices.
2. Regulations of medical devices in market
3. To know about the different kind of medical device regulations in accordance with different countries
4. To learn about the manufacturing, marketing medical devices as importer or distributor

RESOURCE PERSONS

Dr. A. Rama Mohan

Professor

Dept. of Pharmacology

abbavaram9@gmail.com

Mobile No: 9642913399

Dr. S. Jayaprakash

Associate Professor

Dept. of Pharmaceutics

sjayaprakash4u@gmail.com

Mobile No: 9944744412

Mrs. D. Ramya Sree

Assistant Professor

Dept. of Pharmacology

ramya.raams4@gmail.com

Mobile No: 9989037192


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Mr. Bandi Narendhar

Assistant Professor
Dept. of Pharm. Chemistry
narenpharma41@gmail.com
Mobile No: 9618797012

Programme Co-ordinator

Dr. P. Phani Deepika

Associate Professor
Dept. of Pharmaceutics
deepika.phani@gmail.com
Mobile No: 7032875445

Student Co-ordinators

Mr. Tandava Krishna
Ms. Neeli Bhavana


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www.mnrindia.org; email: p.mnrcop@mnrindia.org



Title of the Course: Two Week Certificate Course on **Medical Devices Regulations**

Schedule Period: 03-12-2018 to 19-12-2018

Committee Members for Curriculum Plan, Design and Development:

S. No.	Name of the Faculty	Designation	Signature
1	Dr. Rama Mohan	Professor	
2	Dr. Jayaprakash	Associate Professor	
3	Mrs. Ramya Sree	Assistant Professor	
4	Mr. Bandi Narendhar	Assistant Professor	

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Curriculum plan for Two Week Certificate Course on **Medical Device Regulations**

Session Details	Title of the session
Session 1	Introduction about medical devices, Difference between medical devices, IVDs and combination products, history of medical device regulations, lifecycle of medical devices, classification of medical devices
Session 2	IMDRF/GHTF: Introduction, organizational structure, purpose and functions, regulatory guidelines
Session 3	Clinical investigation of medical devices, clinical investigation plan for medical devices, good clinical practice for clinical investigation of medical devices (ISO 14155:2011)
Session 4	Quality system regulations of medical devices: ISO 13485, Quality risk management of medical devices: ISO 14971,
Session 5	Introduction, classification, regulatory approval process for medical devices, Premarket notification and pre-market approval (PMA)
Session 6	Investigational device exemption (IDE), In vitro diagnostics quality system requirements Basics of in vitro diagnostics,
Session 7	Medical device regulations in world health organization (WHO): Registration procedures
Session 8	European Union: Introduction, classification, regulatory approval process for Medical Devices (Medical Device Directive, CE certification process)
Session 9	Basics of in vitro diagnostics, classification and approval process
Session 10	C Regulatory requirements for Japan, India and China clinical trial regulations specific for medical devices


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ABOUT THE COLLEGE

MNR College of Pharmacy at Sangareddy, one-hour drive away from hi-tech city, is one among the 78 top grade institutions run across the globe by MNR Educational Trust. This trust was formed in 1974 by Sri. M. N. Raju with the noble aim to shape the student into proud citizen of this great nation, laying emphasis on honing their intake skill and addressing their psychological and spiritual needs. Sri. M. S. Ravi Varma, the dynamic Vice-chairman of this trust adds a perfect blend of modern approaches required to achieve the goal. The colleges possess state of the art laboratories providing the best platform for training the students to become a scientist, industrial or community pharmacist. Our trust entered MOU with various industries in and around Hyderabad, as well as with foreign universities to meet the global standards.

COURSES OFFERED

B. Pharmacy	–	4 Years
Pharm D	–	6 Years
Pharm D (PB)	–	3 Years
M. Pharmacy	–	2 Years
Pharmaceutical Chemistry		
Pharmaceutics		
Pharmacology		


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PROGRAM COMMITTEE

Chief Patron

Shri M. N. Raju

Chairman

MNR Educational Trust

Patron

Shri M. S. Ravi Varma

Vice-Chairman

MNR Educational Trust

Organizing Team

Dr. V. Alagarsamy

Principal

MNR College of Pharmacy

Dr. P. Phani Deepika

Associate Professor

deepika.phani@gmail.com

Student Co-ordinators

Mr. Tandava Krishna

Ms. Neeli Bhavana

Address for Correspondence

Dr. Sandhya Rani

Assistant Professor

Pharm D

sandhyaraakuditi@gmail.com

Mobile No: 9346833952



Two Week Certificate Course On

MEDICAL DEVICES REGULATIONS

Program Details

03-12-2018 to 19-12-2018



Organized By

MNR COLLEGE OF PHARMACY,
MNR Higher Education and Research
Academy Campus
Sangareddy-502294 Gr. Hyderabad
Telangana

www.mnrindia.org

ABOUT THE COURSE

The important goal of this course to provide the basic knowledge of medical devices by explaining what is and is not a medical device, how devices are regulated and the basic requirements of any business making, importing or distributing medical devices. This also provides information about regulations and what the legal requirements are for maintaining the devices throughout its lifetime on the market.

OBJECTIVES

- To learn about the basic information about medical devices.
- Regulations of medical devices in market
- To know about the different kind of medical device regulations in accordance with different countries
- To learn about the manufacturing, marketing medical devices as importer or distributor

LEARNING OUTCOMES

- Learn about rules and regulations of marketing of medical devices
- Gather knowledge about various kinds of medical devices
- Learn about ethics related to medical device manufacturing and marketing

TOPICS TO BE COVERED

- Medical Devices-Introduction
- IVD's
- Medical Device Regulations
- IMDRFs
- GHTF
- Clinical Investigations
- Quality Systems Regulations- ISO 13485
- Quality Systems Regulations- ISO 14971
- Validation of Medical Devices
- Verification of Medical Devices
- Premarket Approval
- Investigational device exemption
- CE certification process
- Clinical Trial Regulations
- Registration Process
- Regulations in US, Japan
- Approval Process
- Adverse Event Report
- Parametric value
- HL

REGISTRATION ELIGIBILITY

This course is intended for Pharm D V/ M. Pharm I Year students.

RESOURCE PERSONS:

Dr. Rama Mohan
Professor
Dept. of Pharmacology

Dr. S. Jayaprakash
Associate Professor
Dept. of Pharmaceutics

Mrs. D Ramya Sree
Assistant Professor
Dept. of Pharmacology

Mr. Bandi Narendhar
Assistant Professor
Dept. of Pharm. Chemistry

V. Arora
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List of students Enrolled for Two Week Certificate Course on **Medical Devices Regulations**

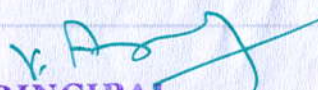
Date: 03-12-2018 to 19-12-2018

A. Y: 2018-2019

S. No.	Name of the Students	Course & Year	Signature
1	Sushmitha Adike	Pharm D V Year	<i>Sushmitha</i>
2	Rachakonda Chathurya	Pharm D V Year	<i>Rachathurya</i>
3	Nalluri Tandava Krishna	Pharm D V Year	<i>T. Krishna.</i>
4	Sagaletty Vennela	Pharm D V Year	<i>Vennela</i>
5	Syeda Mmviya Fatima	Pharm D V Year	<i>Mamviya</i>
6	U Padma Latha	Pharm D V Year	<i>Padma Latha</i>
7	Chappidi Sai Lakshmi Niharika	Pharm D V Year	<i>Sai Lakshmi</i>
8	P Supriya	Pharm D V Year	<i>Supriya</i>
9	Inuganti Bhavana	Pharm D V Year	<i>Bhavana.</i>
10	Budharam Sindhuja	Pharm D V Year	<i>Sindhuja</i>
11	Datrika Swathi	Pharm D V Year	<i>Swathi.</i>
12	Chilam Shivani	Pharm D V Year	<i>Shivani.</i>
13	Veeramreddy Spandana	Pharm D V Year	<i>Spandana.</i>
14	Goluguri Devisahithya	Pharm D V Year	<i>Sahithya</i>
15	Tammali Soundarya	Pharm D V Year	<i>Soundarya</i>
16	Mekala Mounika	Pharm D V Year	<i>Mounika</i>
17	Jarupula Mounika	Pharm D V Year	<i>Mounika.</i>
18	Vidya Biju	Pharm D V Year	<i>Biju.</i>
19	Gollapudi Surendra Babu	Pharm D V Year	<i>S. Babu</i>

V. R. Rao
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20	Peddolla Sushma Reddy	Pharm D V Year	Sushma.
21	Uppala Kruthika	Pharm D V Year	Kruthika
22	Rapolu Ram Kumar	Pharm D V Year	Ram
23	Kandikonda Sathwika	Pharm D V Year	Sathwika
24	Chilakala Krishna Vamsi	Pharm D V Year	Krishna
25	Palimkar Prashanthi	Pharm D V Year	Prashanthi
26	M. Sudha Sree	Pharm D V Year	Sree
27	V S Hirani	Pharm D V Year	Hirani
28	Imran Khan Md	Pharm D V Year	Imran
29	Boiguda Tharunasri Priya	Pharm D V Year	Tharunasri
30	Sumaiya Amreen	Pharm D V Year	Amreen
31	Shaik Khaja Rahemath	Pharm D V Year	Rahemath
32	Narra Venkata Goutham Reddy	M. Pharm I Year	Goutham
33	Neeli Bhavana	M. Pharm I Year	Bhavana
34	Kattakosa Vinod Kumar	M. Pharm I Year	Vinod
35	Sana Sultana	M. Pharm I Year	S. Sultana
36	Thammali Roja	M. Pharm I Year	T. Roja
37	Aluri Nandini	M. Pharm I Year	A. Nandini
38	Syeda Safura Begum	M. Pharm I Year	Safura Begum
39	M Manoj Kumar	M. Pharm I Year	M. M. Kumar
40	Mudunuri Vijaydaniel	M. Pharm I Year	M. vijay daniel
41	Prasanthivarma K	M. Pharm I Year	Prasanthi
42	Kunamneni Jayasree	M. Pharm I Year	Jayasree
43	Thuamati Navya Jyothi	M. Pharm I Year	N. Jyothi
44	Amera Noreen	M. Pharm I Year	Amera Noreen
45	Bardpiur Reinhard Bonke	M. Pharm I Year	B. R Bonke


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46	Hajra Fathima	M. Pharm I Year	Fathima
47	Musini Nagaraju	M. Pharm I Year	Musini Nagaraju
48	Golla Manasa	M. Pharm I Year	Manasa
49	Bakkanna Gari Prashanth Kumar	M. Pharm I Year	Prashanth
50	Topugonda Pramuka	M. Pharm I Year	T. Pramuka


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PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

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Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Program Title: Two Week Certificate Course on **Medical Devices Regulations**

Date: 03-12-2018 to 19-12-2018

A. Y: 2018-2019

S. No.	Name of the Students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
1	Sushmitha Adike	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
2	Rachakonda Chathurya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
3	Nalluri Tandava Krishna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
4	Sagaletty Vennela	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
5	Syeda Mmviya Fatima	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
6	U Padma Latha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
7	Chappidi Sai Lakshmi Niharika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
8	P Supriya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
9	Inuganti Bhavana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
10	Budharam Sindhuja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
11	Datrika Swathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
12	Chilam Shivani	P	P	P	P	P	P	P	A	P	P	P	P	P	P	13
13	Veeramreddy Spandana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
14	Goluguri Devisahithya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
15	Tammali Soundarya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
16	Mekala Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
17	Jarupula Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
18	Vidya Biju	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
19	Gollapudi Surendra Babu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
20	Peddolla Sushma Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

r. Arora
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21	Uppala Kruthika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
22	Rapolu Ram Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
23	Kandikonda Sathwika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
24	Chilakala Krishna Vamsi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
25	Palimkar Prashanthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
26	M. Sudha Sree	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
27	V S Hirani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
28	Imran Khan Md	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
29	Boiguda Tharunasri Priya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
30	Sumaiya Amreen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
31	Shaik Khaja Rahemath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
32	Narra Venkata Goutham Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
33	Neeli Bhavana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
34	Kattakosa Vinod Kumar	P	P	P	A	P	P	P	P	P	P	P	P	P	P	13
35	Sana Sultana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
36	Thammali Roja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
37	Aluri Nandini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
38	Syeda Safura Begum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
39	M Manoj Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
40	Mudunuri Vijaydaniel	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
41	Prasanthivarma K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
42	Kunamneni Jayasree	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
43	Thuamati Navya Jyothi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
44	Amera Noureen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
45	Bardpiur Reinhard Bonke	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
46	Hajra Fathima	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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47	Musini Nagaraju	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
48	Golla Manasa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
49	B Gari Prashanth Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
50	Topugonda Pramuka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

V. A. S.

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MNR COLLEGE OF PHARMACY

P. P. S. S.

PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by AICTE & PCI, New Delhi & Affiliated to Osmania University, Hyderabad}
V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)
Phone: 08455-230690, 08500056663
www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 20-12-2018

PROGRAM REPORT

Title of the Course: Two Week Certificate Course on Medical Devices Regulations

Schedule Period: 03-12-2018 to 19-12-2018

Number of Participants: 50

Details of Resource Persons:

Dr. Rama Mohan

Professor

Dept. of Pharmacology

Mobile No: 9642913399

Dr. S. Jayaprakash

Associate Professor

Dept. of Pharmaceutics

Mobile No: 9944744412

Mrs. D Ramya Sree

Assistant Professor

Dept. of Pharmacology

Mobile No: 9989037192

Mr. Bandi Narendhar

Assistant Professor

Dept. of Pharm. Chemistry

Mobile No: 9618797012


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MNR COLLEGE OF PHARMACY

The MNR College of Pharmacy, Sangareddy has conducted two week certificate course on **Medical Devices Regulations** under the guidance of Principal Dr. V Alagarsamy. This document offers the detail information of the programme conducted in a form of report.

Objectives:

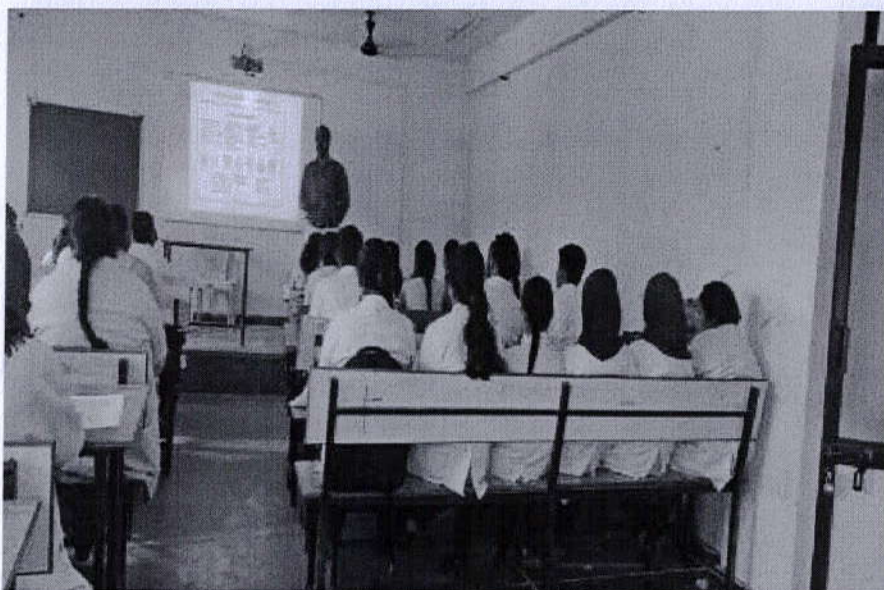
The important goal of this course to provide the basic knowledge of medical devices by explaining what is and is not a medical device, how devices are regulated and the basic requirements of any business making, importing or distributing medical devices. This also provides information about regulations and what the legal requirements are for maintaining the device throughout its lifetime on the market. The main objectives are

- To learn about the basic information about medical devices
- Regulations of medical devices in market
- To know about the different kind of medical device regulations in accordance with different countries
- To learn about the manufacturing, marketing medical devices as importer or distributor

Learning Outcomes:

- Learn about rules and regulations of marketing of medical devices.
- Gather knowledge about various kinds of medical devices.
- Learn about ethics related to medical device manufacturing and marketing.

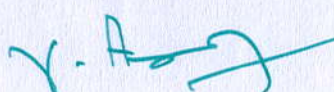

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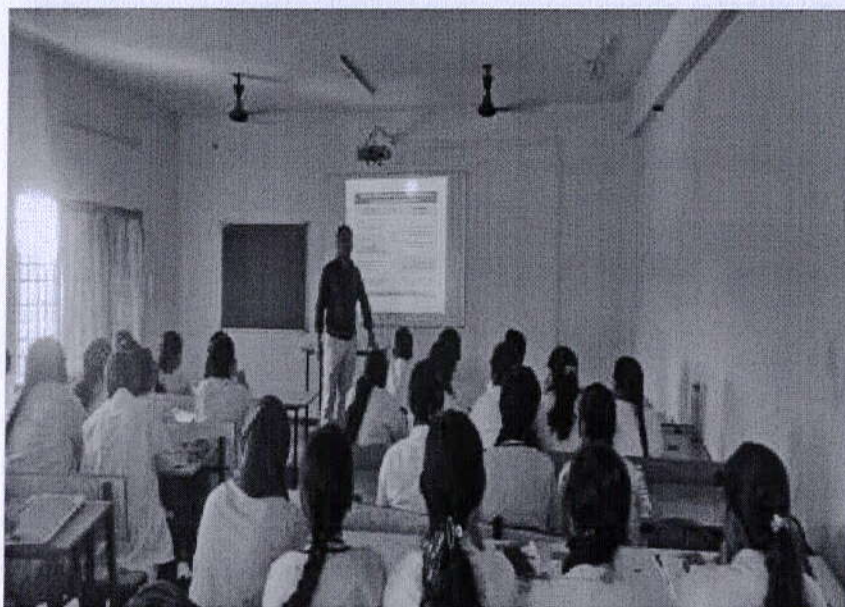


Dr. Jayaprakash, Associate Professor, Dept of Pharmaceutics, MNR College of Pharmacy, Sangareddy delivering class about marketing and importing of Medical Devices



Mrs. Ramya Sree, Assistant Professor, Dept of Pharmacology, MNR College of Pharmacy, Sangareddy delivering class about regulations of Medical Devices

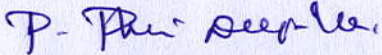

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Mr. Bandi Narendhar, Asstistant Professor, Dept of
Pharmaceutics, MNR College of Pharmacy, Sangareddy
delivering class about Medical Devices

This course was very beneficial and supportive to the students for learning about **Medical Device Regulations**. The Management and the Principal Dr. V. Alagarsamy appreciated the resource persons Dr. Rama Mohan, Dr. S. Jayaprakash, Mr. Bandi Narendhar, Mrs. D. Ramya Sree and students to making this certificate course as effective and beneficial one.


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MNR COLLEGE OF PHARMACY


PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by AICTE & PCI, New Delhi & Affiliated to Osmania University, Hyderabad}

V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)

Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 03-11-2018

CIRCULAR

We hereby inform to B. Pharm I Year and Pharm D I Year students that we are organizing Two Week Certificate Course on **"Vital Signs: Understanding about our Body"** during 05-11-2018 to 21-11-2018. All the students are instructed to enroll their names to the corresponding coordinator and attend the classes without fail.

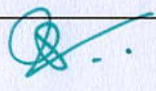
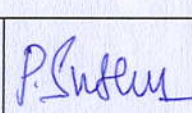
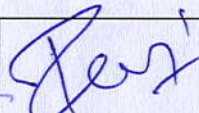
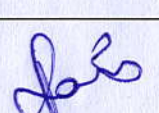
Venue: Seminar Hall, MNR College of Pharmacy

Co-ordinator: Mr. Bandi Narendhar


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MNR COLLEGE OF PHARMACY
Fasalwadi, Sangareddy-502294
Telangana, Ph: 08455-230690

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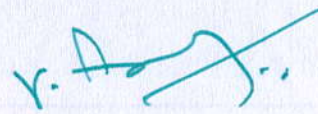
HOD's				Office
				

**TWO WEEK CERTIFICATE
COURSE
ON
VITAL SIGNS: UNDERSTANDING
ABOUT OUR BODY**

Course Period: 05-11-2018 to 21-11-2018



**Organized By
MNR COLLEGE OF PHARMACY
FASALWADI, SANGAREDDY
HYDERABAD**


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Objectives of the Course:

The important goal of this program is to provide knowledge to the budding Pharma students about the vital signs of human body: heart rate, blood pressure, body temperature, respiration rate, and pain – communicate important information about the physiological status of the human body. This course also explores the anatomy and physiology underlying the vital signs develops a systematic, integrated understanding of how the body functions. Related body systems are also reviewed including cardiovascular and respiratory and function of these systems affects vital signs. It includes demonstrations of appropriate techniques for measuring vital signs in yourself and other. The major objectives are

1. To obtain knowledge about vital signs of human body.
2. To study about the objectives and measurement of vital signs.
3. To learn about the normal ranges, normal variants, and the mechanisms that cause changes in the objective measurement of vital signs
4. To gaining knowledge about anatomy and physiology of human body.

RESOURCE PERSONS**Dr. A. Rama Mohan**

Professor

Dept. of Pharmacology
abbavaram9@gmail.com
Mobile No: 9642913399

Mr. V. Ravikumar

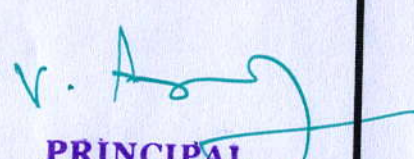
Assistant Professor

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vemulapalli234@gmail.com
Mobile No: 9959521349

Mrs. Ramya Sree

Assistant Professor

Dept. of Pharmacology
ramya.rams4@gmail.com
Mobile No: 9989037192



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Ms. Chilivari Alekya
Assistant Professor
Dept. of Pharmacology
chilivari.alekhya@gmail.com
Mobile No: 9573488156

Programme Co-ordinator

Mr. Bandi Narendhar
Assistant Professor
narenpharma41@gmail.com
Mobile No: 9959521349

Student Co-ordinators

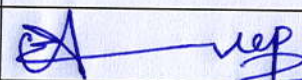
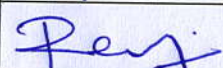
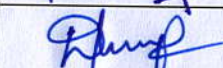
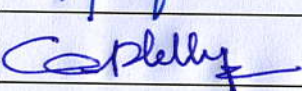
Mr. Pasula Rajkumar
Ms. Rania Ahmed


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Title of the Course: Two Week Certificate Course on Vital Signs: Understanding about our Body

Schedule Period: 05-11-2018 to 21-11-2018

Committee Members for Curriculum Plan, Design and Development:

S. No.	Name of the Faculty	Designation	Signature
1	Dr. A. Rama Mohan	Professor	
2	Mr. V. Ravi Kumar	Assistant Professor	
3	Mrs. Ramya Sree	Assistant Professor	
4	Ms. Chilivari Alekya	Assistant Professor	


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Curriculum plan for two week certificate course on **Vital Signs: Understanding about our Body**

Session Details	Title of the session
Session 1	Introduction about anatomy of heart, Physiology and working of heart, Pulse and Heart Rate
Session 2	Anatomy of the blood vessels and function Systolic and diastolic blood pressure, and assessing blood pressure accurately.
Session 3	Diseases related to CVS First aid and treatments related to CVS
Session 4	Metabolism-Introduction Catabolism, Anabolism
Session 5	BMR, Assessment of metabolic rate, Influence of diseases in BMR, Mean body temperature,
Session 6	Body Temperature regulation, Hypothermia and Hyperthermia and fever. Assessment of body temperature.
Session 7	Neurological pathways associated with pain Difference between pain tolerance and pain threshold, Communication between pain and body condition, Effective management of pain
Session 8	Respiration, Pulmonary anatomy, Assess respiration rate and the quality of lung sounds
Session 9	Diseases related to respiratory system Effective Treatments prevention
Session 10	Healthy Body-Healthy life Healthy Food and Diet Proper maintenance of healthy mind and healthy body


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ABOUT THE COLLEGE

MNR College of Pharmacy at Sangareddy, one-hour drive away from hi-tech city, is one among the 78 top grade institutions run across the globe by MNR Educational Trust. This trust was formed in 1974 by Sri. M. N. Raju with the noble aim to shape the student into proud citizen of this great nation, laying emphasis on honing their intake skill and addressing their psychological and spiritual needs. Sri. M. S. Ravi Varma, the dynamic Vice-chairman of this trust adds a perfect blend of modern approaches required to achieve the goal. The colleges possess state of the art laboratories providing the best platform for training the students to become a scientist, industrial or community pharmacist. Our trust entered MOU with various industries in and around Hyderabad, as well as with foreign universities to meet the global standards.

COURSES OFFERED

B. Pharmacy	—	4 Years
Pharm D	—	6 Years
Pharm D (PB)	—	3 Years
M. Pharmacy	—	2 Years
Pharmaceutical Chemistry		
Pharmaceutics		
Pharmacology		

PROGRAM COMMITTEE

Chief Patron

Shri M. N. Raju

Chairman

MNR Educational Trust

Patron

Shri M. S. Ravi Varma

Vice-Chairman

MNR Educational Trust

Organizing Team

Dr. V. Alagarsamy

Principal

MNR College of Pharmacy

Mr. Bandi Narendhar

Assistant Professor

narenpharma41@gmail.com

Student Co-ordinators

Mr. Pasula Rajkumar

Ms. Rania Ahmed

Address for Correspondence

Mrs. M.T. Sulthana

Assistant Professor

Dept. of Pharm. Chemistry

mtsulthana@gmail.com

Mobile No: 8297902830



Two Week Certificate Course On

VITAL SIGNS - UNDERSTANDING ABOUT OUR BODY

Program Details

05-11-2018 to 21-11-2018



Organized By

MNR COLLEGE OF PHARMACY,
*MNR Higher Education and Research
Academy Campus
Sangareddy-502294 Gr. Hyderabad
Telangana*

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ABOUT THE COURSE

The important goal of this programme is provide knowledge to the budding Pharma students about the vital signs of human body: heart rate, blood pressure, body temperature, respiration rate, and pain – communicate important information about the physiological status of the human body. It explores the anatomy and physiology underlying the vital signs develops a systematic, integrated understanding of how the body functions. Related body systems are also reviewed including cardiovascular and respiratory and function of these systems affects vital signs. It also includes demonstrations of appropriate techniques for measuring vital signs in yourself and other.

OBJECTIVES

- To obtain knowledge about vital signs of human body.
- To study about the objectives and measurement of vital signs.
- To learn about the normal ranges, normal variants, and the mechanisms that cause changes in the objective measurement of vital signs

LEARNING OUTCOMES

- Know the anatomy and physiology of vital organs.
- To learn about the normal ranges, normal variants, mechanisms and measurement of vital signs
- Learn to correlate the data.
- Learn about diseases and their treatments

TOPICS TO BE COVERED

- Basics of human anatomy & Physiology
- Anatomy of heart
- Anatomy of blood vessels
- Diseases associated with CVS
- BMR & its effects
- Effective management of pain
- Anatomy of lungs & diseases, signs
- Vital Signs
- ECG
- Pulse rate
- 2D Echo
- Basic Treatments
- Assessment of vital signs
- Importance of vital signs

REGISTRATION ELIGIBILITY

This course is intended for B. Pharm I / Pharm D I Year students.

RESOURCE PERSONS:

Mr. V. Ravi Kumar

Assistant Professor
Dept. of Pharmacology

Mrs. D Ramya Sree

Assistant Professor
Dept. of Pharmacology

Ms. Chilivari Alekya

Assistant Professor
Dept. of Pharmacology


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List of students Enrolled for Two Week Certificate Course on **Vital Signs: Understanding about our Body**

Date: 05-11-2018 to 21-11-2018

A. Y: 2018-2019

S. No.	Name of the Students	Course & Year	Signature
1	Kasala Naveen Chary	B. Pharm I Year	Naveen
2	Padmashali Akhila	B. Pharm I Year	Akhila
3	S Anila	B. Pharm I Year	S. Anila
4	Guda Harshika	B. Pharm I Year	Harshika
5	Golla Anjali Yadav	B. Pharm I Year	Anjali yadav
6	Komma Harisha	B. Pharm I Year	Harisha
7	Bhanuri Shivasai	B. Pharm I Year	Shivasai
8	Mohammed Muzaffar Ahmed	B. Pharm I Year	Muzaffar
9	Bagareddygar Vikhyatha	B. Pharm I Year	Vikhyatha
10	Uzma Anjum	B. Pharm I Year	U. Anjum
11	Langadi Saikiran Goud	B. Pharm I Year	Saikiran
12	Sameera Nousheen	B. Pharm I Year	Sameera
13	Kondapally Archana	B. Pharm I Year	Archana
14	Darmasagaram Kavya	B. Pharm I Year	Kavya
15	Gedala Rashi	B. Pharm I Year	Rashi
16	Thodupunoori Vaishnavi	B. Pharm I Year	Vaishnavi
17	Sivva Srujana	B. Pharm I Year	Srujana
18	Kasam Manasa	B. Pharm I Year	Manasa
19	Erukala Preethi	B. Pharm I Year	Preethi
20	Bonuspuram pravallika	B. Pharm I Year	Pravallika
21	Peddapuram Pushpalatha	B. Pharm I Year	Pushpalatha

(Signature)

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22	M Sai Bindu	B. Pharm I Year	Sai Bindu
23	Munnoor Vennela	B. Pharm I Year	Vennela
24	Manne Shiva Prasad	B. Pharm I Year	Shiva Prasad
25	Afreen Sulthana	B. Pharm I Year	Sulthana
26	Subuhi Naaz	B. Pharm I Year	Naaz
27	Abdullah Bin Mohammed Balkhair	B. Pharm I Year	Abdullah
28	P Mounika	B. Pharm I Year	Mounika
29	Chappidi Anuchandana	B. Pharm I Year	Anuchandana
30	Syeda Man Salwa	B. Pharm I Year	Syeda Man Salwa
31	Chakali Mounika	B. Pharm I Year	Mounika
32	P Vaishnavi	B. Pharm I Year	Vaishnavi
33	Rikkala Sneha	B. Pharm I Year	Sneha
34	Shaik Simran	B. Pharm I Year	Simran
35	Mohammad Anwar	B. Pharm I Year	Mohammad Anwar
36	Mohammed Haseeb Ahmed	B. Pharm I Year	M. Haseeb
37	Madapathi Veerabhushanam	B. Pharm I Year	M. Veerabhushanam
38	Suhana	B. Pharm I Year	Suhana
39	Pattepuram Nandini	B. Pharm I Year	P. Nandini
40	Dagani Pushyami Sudha	B. Pharm I Year	D. Pushyami Sudha
41	Rushda Fathima	B. Pharm I Year	Fathima
42	Gowragalla Sushma	B. Pharm I Year	Sushma
43	Bandoji Sruthi	B. Pharm I Year	B. Sruthi
44	Firdous Fariya	B. Pharm I Year	Firdous Fariya
45	N Vishnu Charan	B. Pharm I Year	Ramiz Raja
46	Md Ramiz Raja	B. Pharm I Year	Ramiz Raja
47	Imran Gayen	B. Pharm I Year	Gayen
48	Md Niamul Islam	B. Pharm I Year	Niamul Islam

49	Sohel Rana Mahalot	B. Pharm I Year	<u>Rana</u>
50	Nagmul Hoque Molla	B. Pharm I Year	<u>Nagmul</u>
51	Ibrahim Hossain	B. Pharm I Year	<u>Hossain</u>
52	Akter Alam	B. Pharm I Year	<u>Alam</u>
53	Jul Jalewal Akram	B. Pharm I Year	<u>Akram</u>
54	Meheub Hasan Mallick	B. Pharm I Year	<u>Hasan</u>
55	Md Noor Iqbal	B. Pharm I Year	<u>Iqbal</u>
56	Raihan Islam Mondal	B. Pharm I Year	<u>Islam</u>
57	Sk Asaduzzaman	B. Pharm I Year	<u>Asaduzzaman</u>
58	Golam Nabi Azad	B. Pharm I Year	<u>Azad</u>
59	Sk Injabul Ali	B. Pharm I Year	<u>Injabul</u>
60	Mizanur Islam	B. Pharm I Year	<u>Islam</u>
61	Sazid Ahammed Shaikh	B. Pharm I Year	<u>Ahammed</u>
62	Aadil Rashid Khan	B. Pharm I Year	<u>Aadil Rashid</u>
63	Saniya Sadaf	Pharm D I Year	<u>Sadaf</u>
64	Saiteja Akirala	Pharm D I Year	<u>Saiteja</u>
65	Lercha Kavitha	Pharm D I Year	<u>Kavitha</u>
66	J Mounika Reddy	Pharm D I Year	<u>Mounika</u>
67	Tasmina Mahin	Pharm D I Year	<u>Tasmina</u>
68	Rania Ahmed	Pharm D I Year	<u>Rania</u>
69	Guda Ruchita Reddy	Pharm D I Year	<u>Ruchitha</u>
70	Jakkani Priyanka	Pharm D I Year	<u>Priyanka</u>
71	N Pravalika	Pharm D I Year	<u>Pravalika</u>
72	Madasu Sowmya	Pharm D I Year	<u>Sowmya</u>
73	Tejaswini Cheerla	Pharm D I Year	<u>Tejaswini</u>
74	Rollapati Mahesh Kumar	Pharm D I Year	<u>Mahesh</u>
75	Maimuna Afreen	Pharm D I Year	<u>M. Afreen</u>


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76	Ramala Ramya	Pharm D I Year	R. Ramya
77	Ramavath Naveen	Pharm D I Year	R. Naveen.
78	Eddu Selvina	Pharm D I Year	Eddu Selvina
79	Radhika m	Pharm D I Year	Radhika.
80	Mohammed Awais Faisal	Pharm D I Year	M. Awais faisal
81	Buddha Veera Paladugu	Pharm D I Year	Deesa.
82	Syeda Afiya Jabeen	Pharm D I Year	Ajabeen
83	Badri Nagesh	Pharm D I Year	B. Nagesh.
84	Manirul Islam	Pharm D I Year	Manirul Islam
85	Hasmatulla Molla	Pharm D I Year	Hasmatulla.
86	Syed Asif Aktar Hossain	Pharm D I Year	Aktar Hossain
87	Sahil Sk	Pharm D I Year	Sahil sk
88	Sk Azaheruddin	Pharm D I Year	Azaheruddin
89	Parvez Mondal	Pharm D I Year	Mondal
90	Umayer sk	Pharm D I Year	Umayer sk
91	Md Tousif Kalam	Pharm D I Year	Tousif
92	Misbahul Islam	Pharm D I Year	Misbahul


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PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

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V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)

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Program Title: Two Week Certificate Course on **Vital Signs: Understanding about our Body**

Date: 05-11-2018 to 21-11-2018

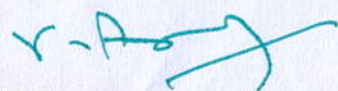
A. Y: 2018-2019

S. No.	Name of the Students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
1	Kasala Naveen Chary	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
2	Padmashali Akhila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
3	S Anila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
4	Guda Harshika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
5	Golla Anjali Yadav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
6	Komma Harisha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
7	Bhanuri Shivasai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
8	Mohammed Muzaffar Ahmed	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
9	Bagareddygaru Vikhyatha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
10	Uzma Anjum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
11	Langadi Saikiran Goud	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
12	Sameera Nousheen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
13	Kondapally Archana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
14	Darmasagaram Kavya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
15	Gedala Rashi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
16	Thodupunoori Vaishnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
17	Sivva Srujana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
18	Kasam Manasa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
19	Erukala Preethi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

V. A. S.
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20	Bonuspuram pravallika	P	P	P	P	P	P	P	P	P	P	P	P	P	14
21	Peddapuram Pushpalatha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
22	M Sai Bindu	P	P	P	P	P	P	P	P	P	P	P	P	P	14
23	Munnoor Vennela	P	P	P	P	P	P	P	P	P	P	P	P	P	14
24	Manne Shiva Prasad	P	P	P	P	P	P	P	P	P	P	P	P	P	14
25	Afreen Sulthana	P	P	P	P	P	P	P	P	P	P	P	P	P	14
26	Subuhi Naaz	P	P	P	P	P	P	P	P	P	P	P	P	P	14
27	Abdullah Bin Mohammed Balkhair	P	P	P	P	P	P	P	P	P	P	P	P	P	14
28	P Mounika	P	P	P	P	P	A	P	P	P	P	P	P	P	13
29	Chappidi Anuchandana	P	P	P	P	P	P	P	P	P	P	P	P	P	14
30	Syeda Man Salwa	P	P	P	P	P	P	P	P	P	P	P	P	P	14
31	Chakali Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	14
32	P Vaishnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	14
33	Rikkala Sneha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
34	Shaik Simran	P	P	P	P	P	P	P	P	P	P	P	P	P	14
35	Mohammad Anwar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
36	Mohammed Haseeb Ahmed	P	P	P	P	P	P	P	P	P	P	P	P	P	14
37	Madapathi Veerabhushanam	P	P	P	P	P	P	P	P	P	P	P	P	P	14
38	Suhana	P	P	P	P	P	P	P	P	P	P	P	P	P	14
39	Pattepuram Nandini	P	P	P	P	P	P	P	P	P	P	P	P	P	14
40	Dagani Pushyami Sudha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
41	Rushda Fathima	P	P	P	P	P	P	P	P	P	P	P	P	P	14
42	Gowragalla Sushma	P	P	P	P	P	P	P	P	P	P	P	P	P	14
43	Bandoji Sruthi	P	P	P	P	P	P	P	P	P	P	P	P	P	14
44	Firdous Fariya	P	P	P	P	P	P	P	P	P	P	P	P	P	14
45	N Vishnu Charan	P	P	P	P	P	P	P	P	P	P	P	P	P	14



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46	Md Ramiz Raja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
47	Imran Gayen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
48	Md Niamul Islam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
49	Sohel Rana Mahalot	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
50	Nagmul Hoque Molla	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
51	Ibrahim Hossain	P	P	P	P	P	P	A	P	P	P	P	P	P	P	13
52	Akter Alam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
53	Jul Jalewal Akram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
54	Meheubub Hasan Mallick	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
55	Md Noor Iqbal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
56	Raihan Islam Mondal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
57	Sk Asaduzzaman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
58	Golam Nabi Azad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
59	Sk Injabul Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
60	Mizanur Islam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
61	Sazid Ahammed Shaikh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
62	Aadil Rashid Khan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
63	Saniya Sadaf	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
64	Saiteja Akirala	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
65	Lercha Kavitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
66	J Mounika Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
67	Tasmina Mahin	P	P	P	P	P	P	A	P	P	P	P	P	P	P	14
68	Rania Ahmed	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
69	Guda Ruchita Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
70	Jakkani Priyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
71	N Pravalika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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72	Madasu Sowmya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
73	Tejaswini Cheerla	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
74	Rollapati Mahesh Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
75	Maimuna Afreen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
76	Ramala Ramya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
77	Ramavath Naveen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
78	Eddu Selvina	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
79	Radhika m	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
80	Mohammed Awais Faisal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
81	Buddha Veera Paladugu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
82	Syeda Afiya Jabeen	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
83	Badri Nagesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
84	Manirul Islam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
85	Hasmatulla Molla	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
86	Syed Asif Aktar Hossain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
87	Sahil Sk	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
88	Sk Azaheruddin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
89	Parvez Mondal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
90	Umayar sk	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
91	Md Tousif Kalam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
92	Misbahul Islam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14


PRINCIPAL
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PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by AICTE & PCI, New Delhi & Affiliated to Osmania University, Hyderabad}
V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)
Phone: 08455-230690, 08500056663
www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 22-11-2018

PROGRAM REPORT

Title of the Course: Two Week Certificate Course on **Vital Signs: Understanding about our Body**

Schedule Period: 05-11-2018 to 21-11-2018

Number of Participants: 92

Details of Resource Persons:

Dr. A. Rama Mohan

Professor

Dept. of Pharmacology

Mobile No: 9642913399

Mr. V. Ravikumar

Asst. Professor

Dept. of Pharmacology

Mobile No: 9959521349

Mrs. D Ramya Sree

Asst. Professor

Dept. of Pharmacology

Mobile No: 9989037192

Ms. Chilivari Alekya

Asst. Professor

Dept. of Pharmacology

Mobile No: 9573488156


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The MNR College of Pharmacy, Sangareddy has conducted two week certificate course on **Vital Signs: Understanding about our Body** under the guidance of Principal Dr. V Alagarsamy. This document provides the detail information of the programme conducted in a form of report.

Objectives:

The important goal of this programme is providing knowledge to the budding Pharma students about the vital signs of human body: heart rate, blood pressure, body temperature, respiration rate, and pain – communicate important information about the physiological status of the human body. This course also explores the anatomy and physiology underlying the vital signs develops a systematic, integrated understanding of how the body functions. Related body systems are also reviewed including cardiovascular and respiratory and function of these systems affects vital signs. We discuss. The course also includes demonstrations of appropriate techniques for measuring vital signs in yourself and other. The major objectives are

- To obtain knowledge about vital signs of human body.
- To study about the objectives and measurement of vital signs.
- To learn about the normal ranges, normal variants, and the mechanisms that cause changes in the objective measurement of vital signs
- To gaining knowledge about anatomy and physiology of human body.

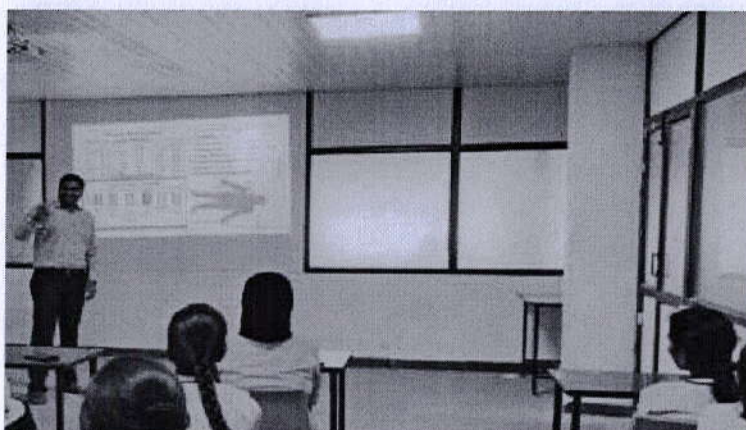
Learning Outcomes:

- Know the anatomy and physiology of vital organs.
- To learn about the normal ranges, normal variants, mechanisms and measurement of vital signs
- Learn to correlate the data.
- Learn about diseases and their treatments

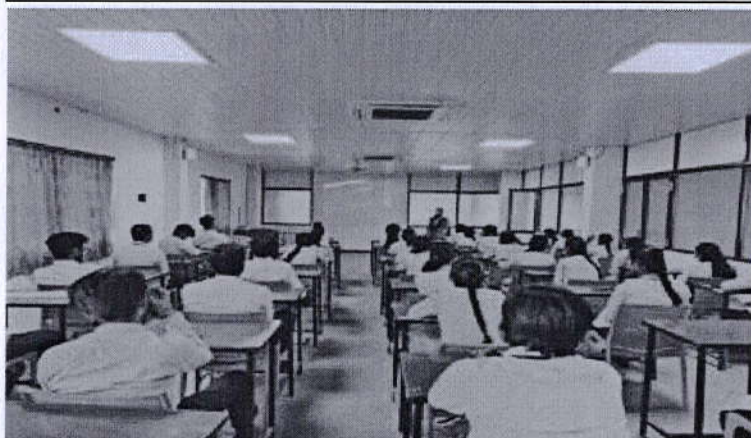


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Telangana, Ph: 08455-230690



Mr. V. Ravi Kumar, Assistant Professor, Dept. of Pharmacology, MNR College of Pharmacy, Sangareddy delivering class about vital signs in our body



Mrs. Ramya Sree, Assistant Professor, Dept. of Pharmacology, MNR College of Pharmacy, Sangareddy delivering class about importance of vital signs in our

This course was very beneficial and supportive to the students for learning about **Vital Signs: Understanding about our Body**. The Management and the Principal Dr. V. Alagarsamy appreciated the resource persons and students for making this certificate course as efficient one.


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PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

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Phone: 08455-230690, 08500056663

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Date: 06-10-2018

CIRCULAR

We hereby inform to B. Pharm III Year students that we are organizing Two Week Certificate Course on “**Analytical Pharmacognosy and Extraction Techniques**” during 08-10-2018 to 24-10-2018. All the students are instructed to enroll their names to the corresponding coordinator and attend the classes without fail.

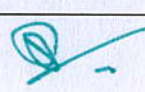
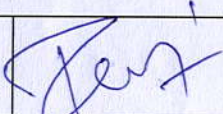
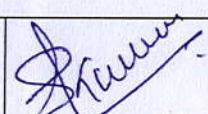
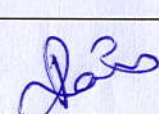
Venue: Seminar Hall, MNR College of Pharmacy

Co-ordinator: Mrs. M. T. Sulthana


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Fasalwadi, Sangareddy-502294
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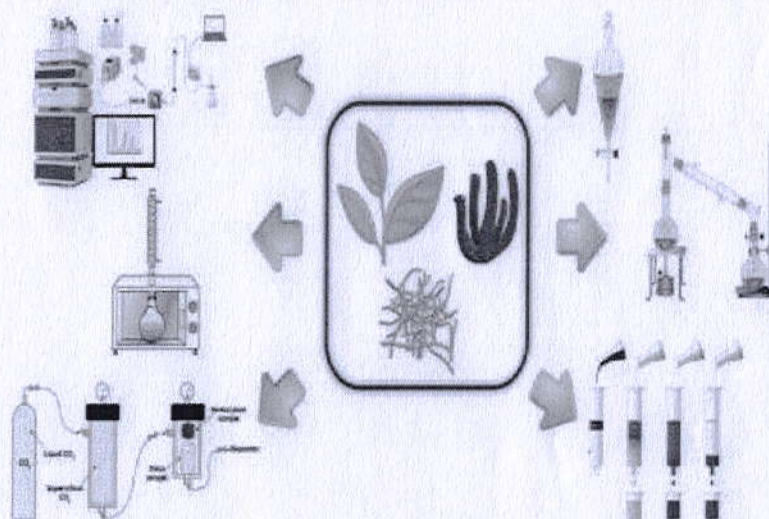
Phone: 08455-230690, 08500056663

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TWO WEEK CERTIFICATE COURSE ON ANALYTICAL PHARMACOGNOSY AND EXTRACTION TECHNIQUES

Course Period: 08-10-2018 to 24-10-2018



Organized By

MNR COLLEGE OF PHARMACY

FASALWADI, SANGAREDDY

HYDERABAD


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Objectives of the Course:

The important goal of this programme is to provide knowledge to the students about the Pharmacognosy of medicinal plants, adulteration. This course also explains the various analytical techniques applied in Pharmacognosy. The course also includes extraction of crude drugs from plants and various extraction techniques. The major objectives are

1. To learn about various qualitative and quantitative analytical techniques in Pharmacognosy of plants.
2. To study about extraction of crude drugs from plants, extraction techniques, principles and solvents used in extraction.

RESOURCE PERSONS

Dr. V. Alagarsamy

Professor & Principal
MNR College of Pharmacy
drvalagarsamy@gmail.com
Mobile No: 8500056663

Dr. Vishakha Kulkarni

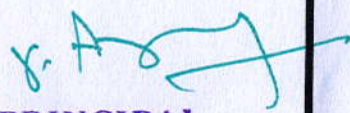
Associate Professor
Dept. of Pharmacognosy
mrs.vishakhakulkarni@gmail.com
Mobile No: 9959521349

Dr. Rashmi NG

Associate Professor
Dept. of Pharm. Chemistry
ngrashmi@gmail.com
Mobile No: 8618582825

Mrs. V. Sruthi

Assistant Professor
Dept. of Pharmacognosy
reachsruthireddy@gmail.com
Mobile No: 9133274979


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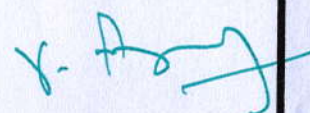
Mrs. B. Lakuma Devi
Assistant Professor
Dept. of Pharmacognosy
b.lakumadevi@gmail.com
Mobile No: 9704224836

Programme Co-ordinator

Mrs. M. T. Sulthana
Assistant Professor
mtsulthana@gmail.com
Mobile No: 8297902830

Student Co-ordinators

Mr. Karnati Sumadhur
Ms. Vipanchi

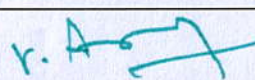
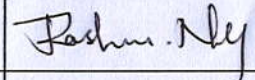
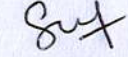
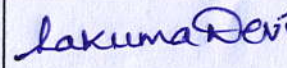


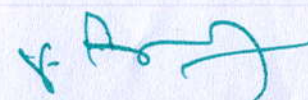
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Title of the Course: Two Week Certificate Course on Analytical Pharmacognosy and Extraction Techniques

Schedule Period: 08-10-2018 to 24-10-2018

Committee Members for Curriculum Plan, Design and Development:

S. No.	Name of the Faculty	Designation	Signature
1	Dr. V. Alagarsamy	Principal	
2	Dr. Vishakha Kulkarni	Associate Professor	
3	Dr. Rashmi NG	Associate Professor	
4	Mrs. V. Sruthi	Assistant Professor	
5	Mrs. B. Lakuma Devi	Assistant Professor	



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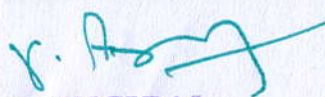
Phone: 08455-230690, 08500056663

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Curriculum plan for Two Week Certificate Course on **Analytical Pharmacognosy and Extraction Techniques**

Session Details	Title of the session
Session 1	Introduction about Pharmacognosy Adulterations, Types of adulterations Drug evaluation, Methods of drug evaluation
Session 2	Biochemical variation of the drug, Deterioration of drugs
Session 3	Introduction about crude drugs, Standardization of crude drugs, Morphological evaluation
Session 4	Microscopic evaluation Gravimetry, Chromatography, Spectroscopy
Session 5	Kinetic and Hyphenated Techniques Basic principles of extraction Types of extraction techniques
Session 6	Maceration Decoction
Session 7	Infusion Percolation
Session 8	Soxhlet extraction, Counter Current extraction Supercritical fluid extraction
Session 9	Solid Phase extraction Microwave assisted extraction
Session 10	Sonication FT-IR HPLC, HPTLC


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ABOUT THE COLLEGE

MNR College of Pharmacy at Sangareddy, one-hour drive away from hi-tech city, is one among the 78 top grade institutions run across the globe by MNR Educational Trust. This trust was formed in 1974 by Sri. M. N. Raju with the noble aim to shape the student into proud citizen of this great nation, laying emphasis on honing their intake skill and addressing their psychological and spiritual needs. Sri. M. S. Ravi Varma, the dynamic Vice-chairman of this trust adds a perfect blend of modern approaches required to achieve the goal. The colleges possess state of the art laboratories providing the best platform for training the students to become a scientist, industrial or community pharmacist. Our trust entered MOU with various industries in and around Hyderabad, as well as with foreign universities to meet the global standards.

COURSES OFFERED

B. Pharmacy	–	4 Years
Pharm D	–	6 Years
Pharm D (PB)	–	3 Years
M. Pharmacy	–	2 Years

Pharmaceutical Chemistry
Pharmaceutics
Pharmacology


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PROGRAM COMMITTEE

Chief Patron
Shri M. N. Raju
Chairman
MNR Educational Trust

Patron
Shri M. S. Ravi Varma
Vice-Chairman
MNR Educational Trust

Organizing Team
Dr. V. Alagarsamy
Principal
MNR College of Pharmacy

Co-ordinator
Mrs. M. T. Sulthana
Assistant Professor
mtsulthana@gmail.com

Student Co-ordinators
Mr. Karnati Sumadhur
Ms. Vipanchi

Address for Correspondence
Mrs. G. Surya Teja
Assistant Professor
Dept. of Pharm. Chemistry
suryateja@gmail.com
Mobile No: 9686869897



Two Week Certificate Course On **ANALYTICAL PHARMACOGNOSY AND EXTRACTION TECHNIQUES**

Program Details
08-10-2018 to 24-10-2018



Organized By
MNR COLLEGE OF PHARMACY,
MNR Higher Education and Research
Academy Campus
Sangareddy-502294 Gr. Hyderabad
Telangana

www.mnrindia.org

ABOUT THE COURSE

The important goal of this programme is provide knowledge to the students about the Pharmacognosy of medicinal plants, adulteration. This course also explains the various analytical techniques applied in Pharmacognosy. The course also includes extraction of crude drugs from plants and various extraction techniques.

OBJECTIVES

- To learn about various qualitative and quantitative analytical techniques in Pharmacognosy of plants.
- To study about extraction of crude drugs from plants
- To learn about the extraction techniques.
- To gaining knowledge about the principles and solvents used in extraction

LEARNING OUTCOMES

- Know about the various principles of extraction techniques
- Learn about the advanced analytical methods for nutraceuticals and plant based pharmaceuticals
- Obtain knowledge about handling of sophisticated instruments for the estimation of crude drugs

TOPICS TO BE COVERED

- Pharmacognosy - Introduction
- Adulterations of crude drugs
- Drug Evaluation
- Methods of drug evaluation
- Deterioration of crude drugs
- Biochemical Variation
- Standardization
- Microscopy of crude drugs
- Microscopic Evaluation
- Gravimetry
- Chromatography
- Spectroscopy
- Hyphenated Techniques
- Extraction
- Types of extraction
- Supercritical fluid extraction
- Solid Phase Extraction
- Microwave assisted Extraction
- FT-IR
- Sonication
- HL

REGISTRATION ELIGIBILITY

This course is intended for B. Pharm III Year students.

RESOURCE PERSONS:

Dr. V. Alagarsamy
Principal
MNR College of Pharmacy

Dr. Vishakha Kulkarni
Associate Professor
Dept. of Pharmacognosy

Dr. Rashmi NG
Associate Professor
Dept. of Pharm. Chemistry

Mrs. V. Sruthi Assistant
Professor Dept. of
Pharmacognosy

Mrs. Lakuma Devi
Assistant Professor
Dept. of Pharmacognosy





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Phone: 08455-230690, 08500056663

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List of students Enrolled for Two Week Certificate Course on **Analytical Pharmacognosy and Extraction Techniques**

Date: 08-10-2018 to 24-10-2018

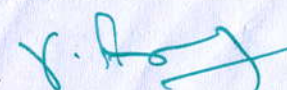
A. Y: 2018-2019

S. No.	Name of the Students	Course & Year	Signature
1	Ravula Abhilash Ajaykar	B. Pharm III Year	Abhi
2	Banglakadi Pavithra	B. Pharm III Year	Pavithra
3	Pandala Vamshi Kumar	B. Pharm III Year	V. Kumar
4	Veeranti Vipanchi	B. Pharm III Year	Vipanchi
5	Amreen Begum	B. Pharm III Year	Amreen Begum.
6	Battini Kalyangoud	B. Pharm III Year	Kalyangoud
7	Chakali Vijay Kumar	B. Pharm III Year	Vijay Kumar
8	Bonthapally Poornima	B. Pharm III Year	Poornima
9	Bamandlapally Akanksha	B. Pharm III Year	Akanksha.
10	Adem Gayatri	B. Pharm III Year	A. Gayatri
11	Sumra Muthi	B. Pharm III Year	S. Muthi
12	Saripally Abhilash Babu	B. Pharm III Year	Abhilash
13	Rathod Mallika	B. Pharm III Year	Mallika
14	Sriram Ashwini	B. Pharm III Year	Ashwini
15	Sheri Akhila	B. Pharm III Year	Akhila.
16	Borra Aruna Jyothi	B. Pharm III Year	Jyothi
17	Reddi Gari Priyanka	B. Pharm III Year	Priyanka
18	Talari Saikiran	B. Pharm III Year	Saikiran
19	Emmadi Mallikarjun	B. Pharm III Year	Mallikarjun
20	Varakala Mounika	B. Pharm III Year	Mounika


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21	Kalal Sarika	B. Pharm III Year	Sarika
22	Boini Rajitha	B. Pharm III Year	Rajitha
23	Kanjarla Anil Goud	B. Pharm III Year	Anil
24	K Gopal	B. Pharm III Year	Gopal
25	Thirunahari Manisha	B. Pharm III Year	Manisha
26	Bandari Vamshi Krishna Reddy	B. Pharm III Year	Krishna
27	Nadimidoddi Keerthana	B. Pharm III Year	Keerthana
28	Golla Navaneetha	B. Pharm III Year	Navaneetha
29	Ramavath Santhosh	B. Pharm III Year	Santhosh
30	Ganapuram Anil	B. Pharm III Year	Anil
31	Salla Shirisha	B. Pharm III Year	Shirisha
32	Siddala Srikanth	B. Pharm III Year	Srikanth
33	Matla Ramya	B. Pharm III Year	Ramya
34	Bhoomani Sowjanya	B. Pharm III Year	Sowjanya
35	Sakali Preethi	B. Pharm III Year	Preethi
36	Kolkuri Saraswathi	B. Pharm III Year	K. Saraswathi
37	Sithale Sureshma	B. Pharm III Year	S. Sureshma
38	Grl Shashedhar	B. Pharm III Year	Shashedhar
39	Mohammed Kashif Khan	B. Pharm III Year	M. K. Khan
40	Karnati Sumadhur	B. Pharm III Year	K. Sumadhur
41	Kethavath Vikas Rathod	B. Pharm III Year	Vikas
42	Akhter Nawaz	B. Pharm III Year	Nawaz
43	Imran Ali	B. Pharm III Year	Imran
44	Suryawanshi Ganesh Angad	B. Pharm III Year	Ganesh
45	Asfakullah	B. Pharm III Year	Asfakullah
46	Injamamul Hoque	B. Pharm III Year	Hoque

47	Sahanawaz Alam	B. Pharm III Year	<u>A. Alam</u>
48	Manjur Alam	B. Pharm III Year	<u>Manjur Alam</u>
49	Israil Mandal	B. Pharm III Year	<u>Mandal</u>
50	Hasanuz Jaman	B. Pharm III Year	<u>H. Jaman</u>
51	Afroj Reja	B. Pharm III Year	<u>Reja</u>
52	Jamil Aktar	B. Pharm III Year	<u>Aktar</u>
53	Santhosh Paudel	B. Pharm III Year	<u>Santhosh</u>
54	T Udaya Venkata Lakshmi Sai	B. Pharm III Year	<u>Lakshmi Sai</u>
55	Kotha Rohitha	B. Pharm III Year	<u>Rohitha</u>
56	M Harsha Vardhan Reddy	B. Pharm III Year	<u>Harsha</u>
57	Motati Pravallika Reddy	B. Pharm III Year	<u>Pravallika</u>
58	Md Abu Sufian	B. Pharm III Year	<u>Sufian</u>
59	Aadi Krishnaveni	B. Pharm III Year	<u>Krishna</u>
60	Md. Ojayer	B. Pharm III Year	<u>Ojayer</u>
61	Arif Ansari	B. Pharm III Year	<u>Ansari</u>
62	Wahadujjaman	B. Pharm III Year	<u>Wahad</u>
63	Mosharef Mondal	B. Pharm III Year	<u>Mondal</u>
64	Istak Ahmed Laskar	B. Pharm III Year	<u>Laskar</u>
65	Sabir Hussain	B. Pharm III Year	<u>Hussain</u>
66	Whab Juhori	B. Pharm III Year	<u>Whab</u>
67	Qayum Ali	B. Pharm III Year	<u>Qayum</u>
68	Arman Ali	B. Pharm III Year	<u>Arman</u>
69	Tharite Rajeshwari	B. Pharm III Year	<u>Rajeshwari</u>
70	Waliul Karim	B. Pharm III Year	<u>Karim</u>
71	Anupam Das	B. Pharm III Year	<u>Anupam Das</u>
72	Mandumula Sushma	B. Pharm III Year	<u>Sushma</u>


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73	Gaddam Divya	B. Pharm III Year	<i>[Signature]</i>
74	K. Sri Bharath	B. Pharm III Year	<i>[Signature]</i>
75	Sangeeta Dhanwar	B. Pharm III Year	<i>[Signature]</i>
76	Gundawar Chandrajyothi	B. Pharm III Year	<i>G. Jyothi</i>
77	Mohammed Abed Naeem	B. Pharm III Year	<i>Abed Naeem</i>
78	Ahmed Hamadi Daerg	B. Pharm III Year	<i>Ahmed hamadi</i>

[Signature]

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[Signature]

PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by PCI, New Delhi & Affiliated to Osmania University, Hyderabad}

V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)

Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Program Title: Two Week Certificate Course on **Analytical Pharmacognosy and Extraction Techniques**

Date: 08-10-2018 to 24-10-2018

A. Y: 2018-2019

S. No.	Name of the Students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
1	Ravula Abhilash Ajaykar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
2	Banglakadi Pavithra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
3	Pandala Vamshi Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
4	Veeranti Vipanchi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
5	Amreen Begum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
6	Battini Kalyangoud	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
7	Chakali Vijay Kumar	P	P	P	P	P	A	P	P	P	P	P	P	P	P	13
8	Bonthapally Poornima	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
9	Bamandlapally Akanksha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
10	Adem Gayatri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
11	Sumra Muthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
12	Saripally Abhilash Babu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
13	Rathod Mallika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
14	Sriram Ashwini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
15	Sheri Akhila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
16	Borra Aruna Jyothi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
17	Reddi Gari Priyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
18	Talari Saikiran	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
19	Emmadi Mallikarjun	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
20	Varakala Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

Y. A. S.

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21	Kalal Sarika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
22	Boini Rajitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
23	Kanjarla Anil Goud	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
24	K Gopal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
25	Thirunahari Manisha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
26	Bandari Vamshi Krishna Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
27	Nadimidoddi Keerthana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
28	Golla Navaneetha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
29	Ramavath Santhosh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
30	Ganapuram Anil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
31	Salla Shirisha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
32	Siddala Srikanth	P	P	P	P	P	P	P	P	A	P	P	P	P	P	13
33	Matla Ramya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
34	Bhoomani Sowjanya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
35	Sakali Preethi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
36	Kolkuri Saraswathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
37	Sithale Sukeshma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
38	Grl Shashedhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
39	Mohammed Kashif Khan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
40	Karnati Sumadhur	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
41	Kethavath Vikas Rathod	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
42	Akhter Nawaz	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
43	Imran Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
44	Suryawanshi Ganesh Angad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
45	Asfakullah	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
46	Injamamul Hoque	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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47	Sahanawaz Alam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
48	Manjur Alam	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
49	Israil Mandal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
50	Hasanuz Jaman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
51	Afroj Reja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
52	Jamil Aktar	P	P	P	P	P	P	A	P	P	P	P	P	P	P	13
53	Santhosh Paudel	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
54	T Udaya Venkata Lakshmi Sai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
55	Kotha Rohitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
56	M Harsha Vardhan Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
57	Motati Pravallika Reddy	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
58	Md Abu Sufian	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
59	Aadi Krishnaveni	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
60	Md. Ojayer	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
61	Arif Ansari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
62	Wahadujjaman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
63	Mosharef Mondal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
64	Istak Ahmed Laskar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
65	Sabir Hussain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
66	Whab Juhori	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
67	Qayum Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
68	Arman Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
69	Tharite Rajeshwari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
70	Waliul Karim	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
71	Anupam Das	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
72	Mandumula Sushma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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73	Gaddam Divya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
74	K. Sri Bharath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
75	Sangeeta Dhanwar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
76	Gundawar Chandrajyothi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
77	Mohammed Abed Naeem	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
78	Ahmed Hamadi Daerg	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

V. A. S.

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N. T. G. S.

PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by AICTE & PCI, New Delhi & Affiliated to Osmania University, Hyderabad}
V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)
Phone: 08455-230690, 08500056663
www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 25-10-2018

PROGRAM REPORT

Title of the Course: Two Week Certificate Course on **Analytical Pharmacognosy and Extraction Techniques**

Schedule Period: 08-10-2018 to 24-10-2018

Number of Participants: 78

Details of Resource Persons:

Dr. V. Alagarsamy

Professor & Principal

MNR College of Pharmacy

Mobile No: 8500056663

Dr. Vishakha Kulkarni

Associate Professor

Dept. of Pharmacognosy

Mobile No: 9959521349

Dr. Rashmi NG

Associate Professor

Dept. of Pharm. Chemistry

Mobile No: 8618582825

Mrs. V. Sruthi

Assistant Professor

Dept. of Pharmacognosy

Mobile No: 9133274979


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The MNR College of Pharmacy, Sangareddy has conducted two week certificate course on **Analytical Pharmacognosy and Extraction Techniques** under the guidance of Principal Dr. V Alagarsamy. This document provides the detail information of the programme conducted in a form of report.

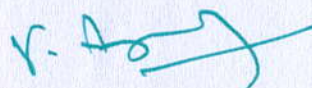
Objectives:

The important goal of this programme is to provide knowledge to the students about the Pharmacognosy of medicinal plants, adulteration. This course also explains the various analytical techniques applied in Pharmacognosy. The course also includes extraction of crude drugs from plants and various extraction techniques. The major objectives are. The major objectives are

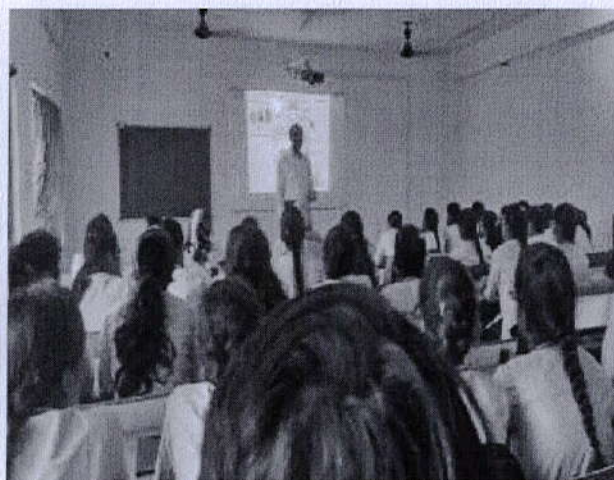
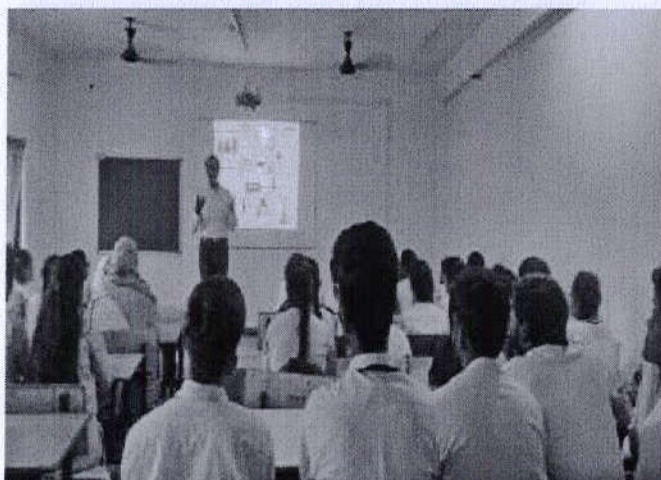
- To learn about various qualitative and quantitative analytical techniques in Pharmacognosy of plants
- To study about extraction of crude drugs from plants
- To learn about the extraction techniques
- To gaining knowledge about the principles and solvents used in extraction

Learning Outcomes:

- Know about the various principles of extraction techniques
- Learn about the advanced analytical methods for nutraceuticals and plant-based pharmaceuticals
- Obtain knowledge about handling of sophisticated instruments for the estimation of crude drugs



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Dr. V. Alagarsamy, Principal, MNR College of Pharmacy, Sangareddy delivering class about extraction techniques

This course was very beneficial and supportive to the students for learning about **Analytical Pharmacognosy and Extraction Techniques** used in various industries for the preparation and evaluation of crude drugs and nutraceuticals. The Management and the Principal Dr. V. Alagarsamy appreciated the resource persons and students for making this certificate course as efficient one.

PRINCIPAL
MNR COLLEGE OF PHARMACY

PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by AICTE & PCI, New Delhi & Affiliated to Osmania University, Hyderabad}

V: Fasalwadi, Dist.: Sangareddy -502294 (T.S)

Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 01-09-2018

CIRCULAR

We hereby inform to B. Pharm II Year and Pharm D II Year students that we are organizing Two Week Certificate Course on “**Introduction to Cell Therapy**” during 03-09-2018 to 19-09-2018. All the students are instructed to enroll their names to the corresponding coordinator and attend the classes without fail.

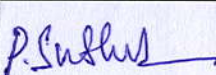
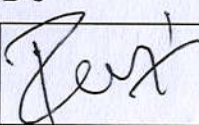
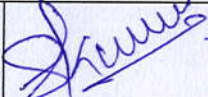
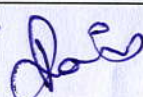
Venue: Seminar Hall, MNR College of Pharmacy

Co-ordinator: Mr. V. Ravi Kumar


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MNR COLLEGE OF PHARMACY
Fasalwadi, Sangareddy-502294
Telangana, Ph: 08455-230690

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**TWO WEEK CERTIFICATE
COURSE
ON
INTRODUCTION
TO
CELL THERAPY**

Course Period: 03-09-2018 to 19-09-2018



**Organized By
MNR COLLEGE OF PHARMACY
FASALWADI, SANGAREDDY
HYDERABAD**


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MNR COLLEGE OF PHARMACY**

Objectives of the Course:

The important aim of this programme is to impart the students to a career in cellular therapies (CT) may benefit from access to basic information, experience to help them to quickly adapt cell therapy work environment. This course also provides the principles of cell therapy and the concise summary of the essential elements of cell therapy. The major objectives are

1. To provide knowledge about basic principles behind cell therapy.
2. To explain about core elements of cell therapy.
3. To teach about regulations of cell therapy & about Cell Techniques.

RESOURCE PERSONS**Dr. A. Rama Mohan**

Professor

Dept. of Pharmacology
abbavaram9@gmail.com
Mobile No: 9642913399

Dr. S. Jaya Prakash

Associate Professor

Dept. of Pharmaceutics
sjayaprakash4u@gmail.com
Mobile No: 9848033974

Dr. P. Phanideepika

Associate Professor

Dept. of Pharmaceutics
phani.deepika@gmail.com
Mobile No: 9618570565

Programme Co-ordinator**Mr. V. Ravi Kumar**

Assistant Professor

vemulapalli234@gmail.com
Mobile No: 9959521349

Student Co-ordinators

Mr. Sai Nikhil
Ms. Naziya Nashreen

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Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Title of the Course: Two Week Certificate Course on **Introduction to Cell Therapy**

Schedule Period: 03-09-2018 to 19-09-2018

Committee Members for Curriculum Plan, Design and Development:

S. No.	Name of the Faculty	Designation	Signature
1	Dr. A. Rama Mohan Reddy	Professor	
2	Dr. S. Jayapraksh	Associate Professor	
3	Dr. P. Phani Deepika	Associate Professor	

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ABOUT THE COLLEGE

MNR College of Pharmacy at Sangareddy, one-hour drive away from hi-tech city, is one among the 78 top grade institutions run across the globe by MNR Educational Trust. This trust was formed in 1974 by Sri. M. N. Raju with the noble aim to shape the student into proud citizen of this great nation, laying emphasis on honing their intake skill and addressing their psychological and spiritual needs. Sri. M. S. Ravi Varma, the dynamic Vice-chairman of this trust adds a perfect blend of modern approaches required to achieve the goal. The colleges possess state of the art laboratories providing the best platform for training the students to become a scientist, industrial or community pharmacist. Our trust entered MOU with various industries in and around Hyderabad, as well as with foreign universities to meet the global standards.

COURSES OFFERED

B. Pharmacy	–	4 Years
Pharm D	–	6 Years
Pharm D (PB)	–	3 Years
M. Pharmacy	–	2 Years
Pharmaceutical Chemistry		
Pharmaceutics		
Pharmacology		

PROGRAM COMMITTEE

Chief Patron

Shri M. N. Raju
Chairman
MNR Educational Trust

Patron

Shri M. S. Ravi Varma
Vice-Chairman
MNR Educational Trust

Organizing Team

Dr. V. Alagarsamy
Principal
MNR College of Pharmacy

Mr. V. Ravi Kumar

Assistant Professor
vemulapalli234@gmail.com

Student Co-ordinators

Mr. Sai Nikhil
Ms. Naziya Nasreen

Address for Correspondence

Dr. S. Jayaprakash
Associate Professor
Dept. of Pharmaceutics
Sjayaprakash4u@gmail.com
Mobile No: 9944744412



Two Week Certificate Course On **INTRODUCTION TO CELL THERAPY**

Program Details

03-09-2018 to 19-09-2018



Organized By

MNR COLLEGE OF PHARMACY,
MNR Higher Education and Research
Academy Campus
Sangareddy-502294 Gr. Hyderabad
Telangana


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ABOUT THE COURSE

The important aim of this programme is to impart the students to a career in cellular therapies (CT) may benefit from access to basic information, experience to help them to quickly adapt cell therapy work environment. This course also provides the principles of cell therapy and the concise summary of the essential elements of cell therapy.

OBJECTIVES

- To provide knowledge about basic principles behind cell therapy.
- To explain about core elements of cell therapy.
- To teach about regulations of cell therapy.
- To provide knowledge about Cell Techniques.

LEARNING OUTCOMES

- Identify the core elements of quality of CT
- Evaluate regulations relevant to CT products
- Describe best practices in laboratory maintenance
- Describe technical aspects of common procedures for cell processing
- Identify common techniques used to characterize cells, CT infusion reactions & mechanism of apheresis

TOPICS TO BE COVERED

- Introduction to cell therapy
- Importance of QA in cell therapy Manufacturing
- Cell Therapy Regulations
- GMPs/GTPs with respect to cell based biological drug products
- 361 (GTP) & 351(GMP) regulated products
- HCT/P products vs IND and licensed biological products
- Investigational New Drugs
- Laboratory Maintenance
- Equipment Maintenance
- Aseptic Techniques
- Novel Techniques in CT
- Cell Analytics field
- Diagnosis & grading techniques
- Cell Therapy Infusion
- Apheresis

REGISTRATION ELIGIBILITY

This course is intended for B. Pharm II/Pharm D II Year students.

RESOURCE PERSONS:

Dr. A. Rama Mohan
Professor
Dept. of Pharmacology

Dr. S. Jaya Prakash
Associate Professor
Dept. of Pharmaceutics

Dr. P. Phani Deepika
Associate Professor
Dept. of Pharmaceutics

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Curriculum plan for Two Week Certificate Course on **Introduction to Cell Therapy**

Session Details	Title of the session
Session 1	Introduction to cell therapy, Principles and objectives of cell therapy
Session 2	Quality Assurance Programme importance in cell therapy Manufacturing
Session 3	Cell Therapy Regulations, GMPs/GTPs with respect to cell-based biological drug products 361 (GTP) and 351 (GMP) regulated products
Session 4	HCT/P products vs IND and licensed biological products, Investigational New Drugs
Session 5	Best practices in facilities design, cleaning, environmental monitoring (EM) and alarms, Equipment Maintenance
Session 6	Aseptic Techniques, Principles and Best Practices in Aseptic Techniques
Session 7	New methodologies and platforms in the CT cell analytics field, Requirements of CT,
Session 8	Cell Therapy Infusion Reactions, Diagnosis and grading of common cell therapy
Session 9	Prevention and management of infusion reactions, and Mechanism of Apheresis
Session 10	Approaches in Stem Cell Therapy Applications, Advantages & Disadvantages


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List of students Enrolled for Two Week Certificate Course on **Introduction to Cell Therapy**

Date: 03-09-2018 to 19-09-2018

A. Y: 2018-2019

S. No.	Name of the Students	Course & Year	Signature
1	Gandraju Akhila	B. Pharm II Year	Akhila
2	Uppala Sai Nikhil	B. Pharm II Year	Snikhil
3	Mameena Sahoo	B. Pharm II Year	M. Sahoo
4	N Tejaswini	B. Pharm II Year	Tejaswini
5	Kaveti Sridhar	B. Pharm II Year	Sridhar.
6	Sangaredd Sandhya Rani	B. Pharm II Year	sandhya Rani
7	Dachepally Prasanna Kumari	B. Pharm II Year	praseenna Kumari
8	Nandala Srinivas	B. Pharm II Year	Srinivas
9	Gangam Sowmya	B. Pharm II Year	Sowmya
10	Yellaram Prasanna	B. Pharm II Year	Y. Prasanna
11	Sara Madhuri	B. Pharm II Year	S. Madhuri
12	Salwa Tahreem	B. Pharm II Year	Tahreem
13	Ailapuram Srilekha	B. Pharm II Year	Srilekha
14	Karnam Pravalika	B. Pharm II Year	Pravalika
15	Erragolla Shruthi	B. Pharm II Year	Shruthi
16	Lubna Tahniyath	B. Pharm II Year	Tahniyath
17	Buryolu Divyavani	B. Pharm II Year	Divyavani
18	Tammali Sandhya	B. Pharm II Year	Sandhya
19	Pottola Soumya	B. Pharm II Year	Soumya
20	Shireen Naaz	B. Pharm II Year	Naaz

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21	Gujjari Sushma	B. Pharm II Year	Sushma.
22	Peddanna Swathi	B. Pharm II Year	Swathi
23	Kanukanti Pavani	B. Pharm II Year	Pavani
24	Yellagari Sandhya	B. Pharm II Year	Sandhya
25	Ambesange Prakash	B. Pharm II Year	Prakash
26	Madupathi Sai Sushma	B. Pharm II Year	Sushma
27	Bojanapally Prapurna	B. Pharm II Year	Prapurna.
28	A Tejaswini	B. Pharm II Year	Tejaswini
29	Edulakanti Sandhya	B. Pharm II Year	Sandya
30	Chilvera Vinutha	B. Pharm II Year	Vinutha
31	Swetha Kanjamalpoor	B. Pharm II Year	Swetha.
32	Patlolla Anusha	B. Pharm II Year	Anusha
33	Lunavath Anil Kumar	B. Pharm II Year	Anil
34	Bandari Balakrishna	B. Pharm II Year	Balakrishna
35	Kamtan Gayathri	B. Pharm II Year	K. Gayathri
36	Chakali Praveen Kumar	B. Pharm II Year	C. Kumar
37	Methari Avinash	B. Pharm II Year	M. Avinash
38	Amgoth Devi	B. Pharm II Year	A. Devi
39	Aligeri Niharika	B. Pharm II Year	A. Niharika
40	Dappu Praveenkumar	B. Pharm II Year	D. Praveenkumar
41	Kondapalli Pooja	B. Pharm II Year	Pooja
42	Ramdasi Vaishnavi	B. Pharm II Year	R. V
43	Leena Rani Pati	B. Pharm II Year	R. Pati
44	Chodavarapu Kameswari	B. Pharm II Year	Kameswari
45	Gokani Ramya	B. Pharm II Year	Ramya
46	Mohammed Ahmer Ali	B. Pharm II Year	Ahmer Ali

47	Sheri Sunitha	B. Pharm II Year	Sunitha
48	Korpole Roja	B. Pharm II Year	Roja
49	Avuthu Deepthi Shivani	B. Pharm II Year	Shivani
50	Ayesha Siddiqua	B. Pharm II Year	Ayesha
51	Jadav Vijay	B. Pharm II Year	J. Vijay
52	Taha Anjum Siddiqha	B. Pharm II Year	Anjum
53	Ruqaiya Naaz	B. Pharm II Year	Ruqaiya
54	Abhijit Mandal	B. Pharm II Year	Abhijit
55	Mirza Sha Nazimuddin Sekender	B. Pharm II Year	Sekender
56	Sahajan Ali	B. Pharm II Year	Sahajan.
57	Faruk Abdulla	B. Pharm II Year	Faruk abdulla
58	Rana Mollah	B. Pharm II Year	mollah
59	Abdul Kadir Mondal	B. Pharm II Year	Abdul Kadir Mondal
60	Sarup Ali	B. Pharm II Year	Sarup Ali
61	Wasim Akram	B. Pharm II Year	Akram.
62	Wasim Akram	B. Pharm II Year	Wasim
63	Sahid Rahman	B. Pharm II Year	Rahman
64	Md Badruddoza	B. Pharm II Year	Badruddoza
65	Sagir Hossain	B. Pharm II Year	Hossain
66	Kutubuddin Sk	B. Pharm II Year	Kutubuddin
67	Abdul Monnaf	B. Pharm II Year	Abdullah
68	Daimu Basumatary	B. Pharm II Year	Basu
69	Panchal Vaishnavi Ramdas	B. Pharm II Year	Vaishnavi
70	Somaram Himabindu	Pharm D II Year	Himabindu.
71	Potharaju Meghana	Pharm D II Year	Meghana.
72	A Rakesh	Pharm D II Year	Rakesh.


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73	Banavath Shravan Kumar	Pharm D II Year	<i>Shravan</i>
74	Arigela Shireesha	Pharm D II Year	<i>Shireesha</i>
75	Billipuram Jyotsna	Pharm D II Year	<i>B. Jyotsna</i>
76	Bashyakarla Srivalli	Pharm D II Year	<i>B. Srivalli</i>
77	Naziya Nashreen	Pharm D II Year	<i>N. Nashreen</i>
78	Gunji Jaya Kishore	Pharm D II Year	<i>G. Jayakishore</i>
79	Bojanapally Priyadharshini	Pharm D II Year	<i>B. Priyadharshini</i>
80	M Aradhana	Pharm D II Year	<i>M. Aradhana</i>
81	Javvadi Sri Anusha	Pharm D II Year	<i>Anu.</i>
82	Kota Prasanna Kumar	Pharm D II Year	<i>Prasanna Kumar</i>
83	Nagarapu Mounika	Pharm D II Year	<i>N. Mounika</i>
84	Hafsa Fatima	Pharm D II Year	<i>Hafsa Fatima</i>
85	Shaik Mohammed Abdul Khadeer	Pharm D II Year	<i>Khadeer</i>
86	Paranandi Bhavana	Pharm D II Year	<i>Bhavana</i>
87	Md Sarwar Islam	Pharm D II Year	<i>Islam</i>
88	Molla Taj Uddin	Pharm D II Year	<i>Tajuddin</i>
89	Mallick Maidul Islam	Pharm D II Year	<i>Maidul</i>
90	Wajed Ali Mondal	Pharm D II Year	<i>Wajed Ali</i>
91	Santan Ban	Pharm D II Year	<i>Santan</i>
92	Injeti Suchitra	Pharm D II Year	<i>Suchitra</i>
93	Gurram Himabindu	Pharm D II Year	<i>Himabindu</i>
94	Hasan Raja	Pharm D II Year	<i>Hasan Raja</i>

V. A. J.

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PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

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Phone: 08455-230690, 08500056663

www.mnrindia.org; email: p.mnrcop@mnrindia.org



Program Title: Two Week Certificate Course on **Introduction to Cell Therapy**

Date: 03-09-2018 to 19-09-2018

A. Y: 2018-2019

S. No.	Name of the Students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Total
1	Gandraju Akhila	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
2	Uppala Sai Nikhil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
3	Mameena Sahoo	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
4	N Tejaswini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
5	Kaveti Sridhar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
6	Sangaredd Sandhya Rani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
7	Dachepally Prasanna Kumari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
8	Nandala Srinivas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
9	Gangam Sowmya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
10	Yellaram Prasanna	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
11	Sara Madhuri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
12	Salwa Tahreem	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
13	Ailapuram Srilekha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
14	Karnam Pravalika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
15	Erragolla Shruthi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
16	Lubna Tahniyath	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
17	Buryolu Divyavani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
18	Tammali Sandhya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
19	Pottola Soumya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
20	Shireen Naaz	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
21	Gujjari Sushma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
22	Peddanna Swathi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14

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23	Kanukanti Pavani	P	P	P	P	P	P	P	P	P	P	P	P	P	14
24	Yellagari Sandhya	P	P	P	P	P	P	P	P	P	P	P	P	P	14
25	Ambesange Prakash	P	P	P	P	P	P	P	P	P	P	P	P	P	14
26	Madupathi Sai Sushma	P	P	P	P	P	P	P	P	P	P	P	P	P	14
27	Bojanapally Prapurna	P	P	P	P	P	P	P	P	P	P	P	P	P	14
28	A Tejaswini	P	P	P	P	P	P	P	P	P	P	P	P	P	14
29	Edulakanti Sandhya	P	P	P	P	P	P	P	P	P	P	P	P	P	14
30	Chilvera Vinutha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
31	Swetha Kanjamalpoor	P	P	P	P	P	P	P	P	P	P	P	P	P	14
32	Patlolla Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
33	Lunavath Anil Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
34	Bandari Balakrishna	P	P	P	P	P	P	P	P	P	P	P	P	P	14
35	Kamtan Gayathri	P	P	P	P	P	P	P	P	P	P	P	P	P	14
36	Chakali Praveen Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
37	Methari Avinash	P	P	P	P	P	P	P	P	P	P	P	P	P	14
38	Amgoth Devi	P	P	P	P	P	P	P	P	P	P	P	P	P	14
39	Aligeri Niharika	P	P	P	P	P	P	P	P	P	P	P	P	P	14
40	Dappu Praveenkumar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
41	Kondapalli Pooja	P	P	P	P	P	P	P	P	P	P	P	P	P	14
42	Ramdasi Vaishnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	14
43	Leena Rani Pati	P	P	P	P	P	P	P	P	P	P	P	P	P	14
44	Chodavarapu Kameswari	P	P	P	P	P	P	P	P	P	P	P	P	P	14
45	Gokani Ramya	P	P	P	P	P	P	P	P	P	P	P	P	P	14
46	Mohammed Ahmer Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	14
47	Sheri Sunitha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
48	Korpole Roja	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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49	Avuthu Deepthi Shivani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
50	Ayesha Siddiqua	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
51	Jadav Vijay	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
52	Taha Anjum Siddiqha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
53	Ruqaiya Naaz	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
54	Abhijit Mandal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
55	Mirza Sha Nazimuddin Sekender	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
56	Sahajan Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
57	Faruk Abdulla	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
58	Rana Mollah	P	P	P	A	P	P	P	P	P	P	P	P	P	P	13
59	Abdul Kadir Mondal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
60	Sarup Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
61	Wasim Akram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
62	Wasim Akram	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
63	Sahid Rahman	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
64	Md Badruddoza	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
65	Sagir Hossain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
66	Kutubuddin Sk	P	P	P	P	P	P	A	P	P	P	P	P	P	P	13
67	Abdul Monnaf	P	P	P	P	P	P	A	P	P	P	P	P	P	P	13
68	Daimu Basumatary	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
69	Panchal Vaishnavi Ramdas	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
70	Somaram Himabindu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
71	Potharaju Meghana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
72	A Rakesh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
73	Banavath Shravan Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14
74	Arigela Shireesha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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75	Billipuram Jyotsna	P	P	P	P	P	P	P	P	P	P	P	P	P	14
76	Bashyakarla Srivalli	P	P	P	P	P	P	P	P	P	P	P	P	P	14
77	Naziya Nashreen	P	P	P	P	P	P	P	P	P	P	P	P	P	14
78	Gunji Jaya Kishore	P	P	P	P	P	P	P	P	P	P	P	P	P	14
79	Bojanapally Priyadharshini	P	P	P	P	P	P	P	P	P	P	P	P	P	14
80	M Aradhana	P	P	P	P	P	P	P	P	P	P	P	P	P	14
81	Javvadi Sri Anusha	P	P	P	P	P	P	P	P	P	P	P	P	P	14
82	Kota Prasanna Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	14
83	Nagarapu Mounika	P	P	P	P	P	P	P	P	P	P	P	P	P	14
84	Hafsa Fatima	P	P	P	P	P	P	P	P	P	P	P	P	P	14
85	Shaik Mohammed Abdul Khadeer	P	P	P	P	P	P	P	P	P	P	P	P	P	14
86	Paranandi Bhavana	P	P	P	P	P	P	P	P	P	P	P	P	P	14
87	Md Sarwar Islam	P	P	P	P	P	P	P	P	P	P	P	P	P	14
88	Molla Taj Uddin	P	P	P	P	P	P	P	P	P	P	P	P	P	14
89	Mallick Maidul Islam	P	P	P	P	P	P	P	P	P	P	P	P	P	14
90	Wajed Ali Mondal	P	P	P	P	P	P	P	P	P	P	P	P	P	14
91	Santan Ban	P	P	P	P	P	P	P	P	P	P	P	P	P	14
92	Injeti Suchitra	P	P	P	P	P	P	P	P	P	P	P	P	P	14
93	Gurram Himabindu	P	P	P	P	P	P	P	P	P	P	P	P	P	14
94	Hasan Raja	P	P	P	P	P	P	P	P	P	P	P	P	P	14


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PROGRAM CO-ORDINATOR



MNR COLLEGE OF PHARMACY

{Approved by AICTE & PCI, New Delhi & Affiliated to Osmania University, Hyderabad}
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Phone: 08455-230690, 08500056663
www.mnrindia.org; email: p.mnrcop@mnrindia.org



Date: 21-09-2018

PROGRAM REPORT

Title of the Course: Two Week Certificate Course on **Introduction to Cell Therapy**

Schedule Period: 03-09-2018 to 19-09-2018

Number of Participants: 94

Details of Resource Persons:

Dr. A. Rama Mohan

Professor

Dept. of Pharmacology

Mobile No: 9642913399

Dr. S. Jaya Prakash

Associate Professor

Dept. of Pharmaceutics

Mobile No: 9944744412

Dr. P. Phanideepika

Associate Professor

Dept. of Pharmaceutics

Mobile No: 9618570565

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The MNR College of Pharmacy, Sangareddy has conducted two week certificate course on **Introduction to Cell Therapy** under the guidance of Principal Dr. V Alagarsamy. This document provides the detail information of the programme conducted in a form of report.

Objectives:

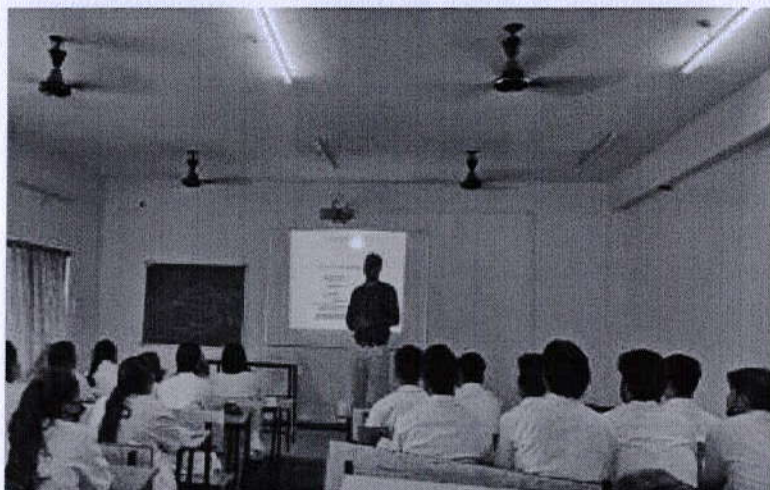
The important aim of this programme is to impart the students to a career in cellular therapies (CT) may benefit from access to basic information, experience to help them to quickly adapt cell therapy work environment. The important goal of this course is provide the principles of cell therapy course to provide a concise summary of the essential elements of cell therapy. The major objectives are

- To provide knowledge about basic principles behind cell therapy
- To explain about core elements of cell therapy
- To teach about regulations of cell therapy
- To provide knowledge about Cell Technique

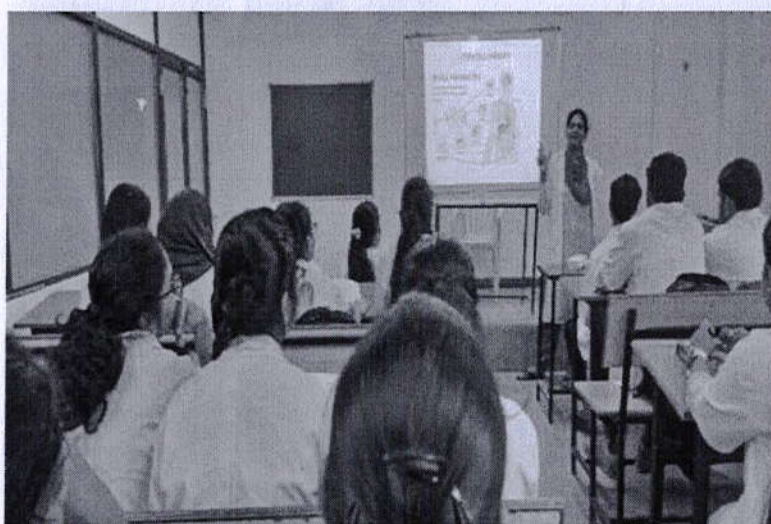
Learning Outcomes:

- Identify the core elements of quality of CT
- Evaluate regulations relevant to CT products
- Describe best practices in laboratory maintenance
- Describe technical aspects of common procedures for cell processing
- Identify common techniques used to characterize cells, CT infusion reactions & mechanism of apheresis


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Dr S. Jayaprakash, Associate Professor, Dept. of Pharmaceutics, MNR College of Pharmacy, delivering class about cell therapy



Dr. P. Phani Deepika, Associate Professor, Dept. of Pharmaceutics, MNR College of Pharmacy, delivering class about techniques in stem cell therapy

This course was very beneficial and supportive to the students for learning about **Introduction to Cell Therapy**. The Management and the Principal Dr. V. Alagarsamy appreciated the resource persons and students for making this certificate course as efficient one.

V. Alagarsamy

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[Signature]

PROGRAM CO-ORDINATOR