

**AC.YEAR**

**2018-2019**



VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH  
Narsapur, Medak Dist. 502313, TS

Date: 05/10/2018

**NOTICE**

This is to inform all the B. Pharmacy final year students that, based on market demand our institute Training and Placement cell had plan to conduct one week certificate course of “Pharmacovigilance”. It is mandatory to all the students to attend the course without fail.

A handwritten signature in blue ink, likely belonging to the Principal.

Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313



Vishnu Institute of Pharmaceutical Education and Research  
Narsapur, Medak District – 502 313, TS

**VISHNU**  
UNIVERSAL LEARNING

## CIRCULLUM FOR THE AC. YEAR 2018-19

S.No	Module	Time
1	Over All CR perspective	2 hours
2	CR Topics Day 1	2 hours
3	CR Topics Day 2	2 hours
4	CDM Topics Day 1	2 hours
5		
6	CDM Topics Day 2	2 hours
7		
8	CR Topics Day 3	3 hours
9	RA Topics	3 hours
10	CR Topics Day 4	3 hours
11	RA Topics	3 hours
12	CDM Topics Day 3	2 hours
13	CDM Topics Day 4	2 hours
14	CDM Topics Day 5	2 hours
15	PV Topics Day 2	2 hours
16	CDM Topic -Mock Interviews & Presentations	2 hours
17	CR Revision Classes	2 hours
18	PV Topics Day 1	2 hours
19	PV Topics Day 2	2 hours
20	PV Topics Day 3	2 hours
21	PV Topics Day 4	3 Hours
22	Mid Mock Interview	2 Hours
23	Back up Day	2 hours
24	Final Assessment - Mock Interviews	2 hours
27	PV Topics Day 5	2 hours
28	PV Topics Day 6	2 hours
29	SOFT SKILLS TRAINING Day 1	2 hours
30	SOFT SKILLS TRAINING Day 2	2 hours



Vishnu Institute of Pharmaceutical Education and Research  
Narsapur, Medak District – 502 313, TS

Pharmacovigilance Certificate course

Students list

Ac. Year: 2018-19

S.NO	ROLL NUMBER	NAME OF THE STUDENT
1	15DH1R0073	P. KOMAL REDDY
2	15DH1R0063	MUPPIDI SAI MANISHA
3	15CJ1R0014	V SWATHI
4	15DH1R0053	MEESALA SHIVANI
5	15DH1R0064	MUTHYAM BHAVYA
6	15DH1R0052	MEDHARI VIJAY KUMAR
7	15DH1R0074	PERUMBUDURI VAISHNAVI
8	15DH1R0095	V .TRIVENI
9	15DH1R0024	GAJBINKAR SRAVANTHI

  
COORDINATOR

  
PRINCIPAL  
Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak district - 502313



# Certificate program of Pharmacovigilance



## Program Review

The course's aim is to develop pharmacovigilance knowledge and skills in pharmacy students relating to the collection, detection, assessment, monitoring, and prevention of adverse effects with pharmaceutical products. Academic and industry specialists will deliver lectures and hands-on training sessions. The field offers a great career scope for and Pharmacy graduates.

DATE : 30-01-2020 to 29-02-2020

### CAREERS IN PHARMCOVIGILANCE

It is a scientific discipline that is primarily concerned with reporting and analysing of drug side effects. It is primarily due to the work of these professionals that the drugs in the market that we consume are mostly safe, and those that are found harmful are taken off the market. Following a report of a drug adverse effect, these specialists enter the information into relevant databases, follow up on the case to acquire more information, and send the reports to regulatory authorities and other relevant agencies. Pharmacovigilance professionals identify signals in data that may indicate a possible side effect and investigate the situation further.

### JOB RESPONSIBILITIES

- Monitoring and reporting of adverse reactions from patients and healthcare providers.
- Developing an in-depth knowledge of products.
- Creating safety update reports on medications and other therapies on a regular basis.
- Writing and reviewing serious adverse effects report and forms
- Completing safety audits
- Minimising the risk of serious side effects.

### LEARNING OBJECTIVES

- Drug safety terminology
- Guidelines for PV, WHO & ICH
- Case processing
- Trial management
- Clinical research process
- Preparing protocols



### AT THE END OF THE PROGRAM STUDENTS WILL BE ABLE TO

- Importance of drug safety monitoring and the development of pharmacovigilance program
- Identify adverse drug reactions and manage it
- Develop and establish pharmacovigilance program in an organization
- Recognize various methods of drug safety surveillance and communication in pharmacovigilance

### JOB OPPORTUNITIES

- Drug safety or PV manager
- Medical Safety scientist/specialist/reviewer
- Post-marketing case processing safety specialist
- Good PV Practices manager
- Pharmacovigilance Quality Compliance



**XCELCAREER**  
CAREER OPPORTUNITIES

To,

Date: 26 /04/2019

**Vishnu Institute of Pharmaceutical Education & Research,  
BVRIT,Narsapur, Medak Dt. Telangana 502313**

Dear Sir,

**Greetings from XCEL CAREER!!**

Congratulations to **Vishnu Institute of Pharmaceutical Education & Research** participated students for successfully completing Certificate Program, **ICH -GCP Clinical Research Training** held from October 2018 to April 2019.

Modules covered such as **Clinical Trials, Pharmacovigilance, Clinical Data Management, Regularity Affairs and Medical writing**. XCEL CAREER confident that the students will take away most of the essential points that has been taught and uses them for their advantage in **Clinical Research Industry**.

This program success was possible with the encouragement and whole hearted support from **Dr Ramesh Alluri, Principal** Sir without whom this program would not have conceptualized and able support from **Dr.K.Ramanjaneyulu, Asso. Professor**.

XCEL CAREER congratulates all the mentioned participants for successful completion of the program.

P Komal Reddy  
M Sai Maneesha  
V Swathi Varma  
M Shivani  
M Bhavya  
M Vijay Kumar  
P Vaishnavi Raj  
V Triveni  
G Sravanthi

Kind regards,

  
Mahesh Silver  
Director




**VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH**  
**Narsapur, Medak (dt) Telangana 502313**

**Date: 30/06/2018**

**NOTICE**

We would like to inform all the students that, the add-on program on “**Training on soft skill development**” which will commence from 28/07/2018 to 31/07/2018 interested students is requested to register your names to Dr.K.Ramanjaneyulu. Hence all the students are hereby informed that to attend the classes without fail

  
Principal  
Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313

# Certificate course of Training on soft skill development

## Purpose

The purpose of learning soft skill is to improve the performance of individuals by upgrading their knowledge, improving their abilities, and enhancing their enthusiasm and dedication. Also, to change their behaviour as a result of the things they have learned.



## Objective

- Understand how measures affect behaviors and thus the achievement of objectives
- Evaluate and improve Communication Skills
- Conveying information in an engaging and interactive way
- Exploring team work
- Emotional Intelligence

At the end of the program students will be able to

- Inspire everyone around them, bringing out the best in everyone.
- Improve working relationships by overcoming communication barriers
- Create a positive working environment
- through proactive discussions
- Keep their discussions focused on clear outcomes

## Methodology

The course follows a facilitation methodology rather than a classical training process, by helping the participants to think, reflect, being proactive through open and candid discussion and practice right away the concepts learned. The methodology though combines instructions with frequent reference to real case scenarios, video/movies accompanied with pre-work and after work.

The training modules are intended to be as practical and interactive, aiming the desired impact on behaviour change. The content will be tailored to meet the needs of the client.



## **Curriculum design**

### **Module-1 (8hrs)**

- Communication skills 1: The basics
- Communication skills 2 : Presentation and interaction
- Communication skills 3: Visual, nonverbal and aural communication

### **Module-2 (8hrs)**

- Interpersonal communication 1: Individuals, groups and cultures
- Interpersonal communication 2: Emotional and social skills

### **Module-3 (8hrs)**

- Developing key traits 1: Creativity, critical thinking and problem solving
- Developing key traits 2: Motivation, persuasion, negotiation and leadership

### **Module-4 (8hrs)**

- Essential and vocational skills: survival strategies



VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

Narsapur, Medak Dist-502313, TS

VALUE ADDED COURSE ON TRAINING ON SOFT SKILL DEVELOPMENT

Students list

AC.YEAR : 2018-2019

S. No.	Name of the student	Roll Number
1	Nayni Divya	16DH1R0001
2	Pathi Nandeeshwar	16DH1R0002
3	Afsha sulthana	16DH1R0004
4	Akella lakshmi swathi	16DH1R0005
5	Appala divya	16DH1R0006
6	Avusaala Gayathri	16DH1R0008
7	Begari Shyamala	16DH1R0010
8	Bemanapally Srineela	16DH1R0011
9	Boddula Renuka	16DH1R0012
10	Burugula Sparsha	16DH1R0015
11	Ch Shirisha	16DH1R0016
12	Chilumula Manideep	16DH1R0018
13	Chitukula Priyanka	16DH1R0020
14	Daliparthi Saipriya	16DH1R0021
15	Eldi Swetha	16DH1R0026
16	Gadivenuka Srihari	16DH1R0027
17	Gaikwod Vamshi	16DH1R0028
18	Goparapu Shrutha Keerthi	16DH1R0030
19	J Sowjanya	16DH1R0034
20	Jangiti Teja	16DH1R0035
21	K Harshita	16DH1R0036
22	Kalepu Eswar Krishna Sai	16DH1R0038
23	Kalidindi Navya	16DH1R0039
24	Kancha Shirisha	16DH1R0042
25	Kappala Swetha	16DH1R0043
26	Karankota Anandha Mahalaxmi	16DH1R0044
27	Kothagadi Sowmya	16DH1R0046
28	Kothamaddi Jyothsna	16DH1R0047
29	Kulkarni Sri Laxmi	16DH1R0048
30	Machunur Nagalaxmi	16DH1R0050

31	Mudimala Pravallika	16DH1R0058
32	Mudunuri Tanuja	16DH1R0059
33	Neerudi Ashwini	16DH1R0063
34	Neerudi Sujeevan	16DH1R0064
35	Neha Tarannum	16DH1R0065
36	Noothi Navya	16DH1R0066
37	Patlola Tejashwini Reddy	16DH1R0070
38	Patlolla Ramya Reddy	16DH1R0071
39	Potluri Kalyani	16DH1R0073
40	R Sai Mahalakshmi	16DH1R0075
41	Ragulapally Sai Charan	16DH1R0076
42	P Sai Srija	16DH1R0080
43	Shaik Asma	16DH1R0082
44	Sheshan supritha	16DH1R0083
45	Shouvik Ray	16DH1R0084
46	Sk Neha Afrin	16DH1R0086
47	Thurpu Srikanth	16DH1R0090
48	T. Sneha Reddy	16DH1R0092
49	U. Narsimha	16DH1R0093
50	V Adithi	16DH1R0094
51	Vadla tejaswi	16DH1R0096
52	Vadthya kiran kumar	16DH1R0097
53	Valluri Pavan Saikishore	16DH1R0098
54	Vottipally Sindhu Priya	16DH1R0099
55	Yasaswini Ramya	18DH8R0001
56	Ashmitha	16GA1R0010

Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313



## VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Narsapur, Medak, Telangana 502313

Date: 31/07/2018

### REPORT

**Name of the program: Training on soft skill development**

**Duration: 4 Day**

**Resource person:** Mrs. Jabaselvi  
Behaviour Specialist  
VEDIC  
Hyderabad

Vishnu Institute of Pharmaceutical Education & Research, Narsapur, organized 4 day certificate program on **“Training on soft skill development”** from 28/07/2018 to 31/07/2018 Mrs. Jabaselvi, Behaviour Specialist, VEDIC, Hyderabad was the instrumental of this program. A total of 50 students participated in this program. After completing this program, students were able to comprehend the objectives and learning outcomes indicated below.

#### **Objectives**

- To encourage the all round development of students by focusing on soft skills.
- To make the engineering students aware of the importance, the role and the content of soft skills through instruction, knowledge acquisition, demonstration and practice.
- To develop and nurture the soft skills of the students through individual and group activities.
- To expose students to right attitudinal and behavioral aspects and to build the same through activities

#### **Outcome**

Students will be able to

- Effectively communicate through verbal/oral communication and improve the listening skills
- Write precise briefs or reports and technical documents
- Become more effective individual through goal/target setting, self motivation and practicing creative thinking
- Function effectively in multi-disciplinary and heterogeneous teams through the knowledge of team work, Inter-personal relationships, conflict management and leadership quality.

All the students, found the training to be extremely beneficial, and they all gave favourable feedback. Finally, the Principal, Dr.A. Ramesh thanked the resource person and congratulated all participants for making the program a success.

  
Coordinator



  
Principal  
Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313

# VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

BVRIT, Vishnupur, Narsapur, Medak Dist - 502 313



VISHNU  
UNIVERSAL LEARNING

Training Program

on



IPA - Narsapur Branch  
TS

## "Training on Soft Skill Development"

### Certificate of Participation

This is to certify that Mr. / Ms. ELDI SWETHA of  
III<sup>rd</sup> YEAR B-PHARMACY has  
participated as a Participant in Training program on "Soft Skill Development" conducted by VEDIC.

Jabaselvi.A  
Trainer - VEDIC

Dr. A Ramesh,  
Principal

Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313



**VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH**  
**Narsapur, Medak (dt) Telangana 502313**

**Date: 31/12/2018**

**NOTICE**

We would like to inform you all the students of both B.Pharm & M.Pharm that one week certificate program on “**Molecular docking studies**” which will commence from 02/01/2019. Interested students are requested to register your names to Mrs.M.Sandhya Reddy, Asst. Professor Department of Pharmaceutics.

Schedule: 02/01/2019 to 06/01/2019

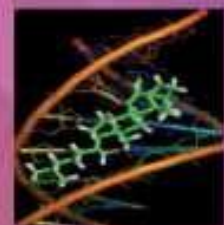
Hence all the students are hereby informed that to attend the classes without fail

  
**Principal**  
Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313

## CERTIFICATE PROGRAM ON MOLECULAR DOCKING STUDIES

### Challenges in Molecular Docking

- Ligand chemistry
- Receptor flexibility
- Scoring function



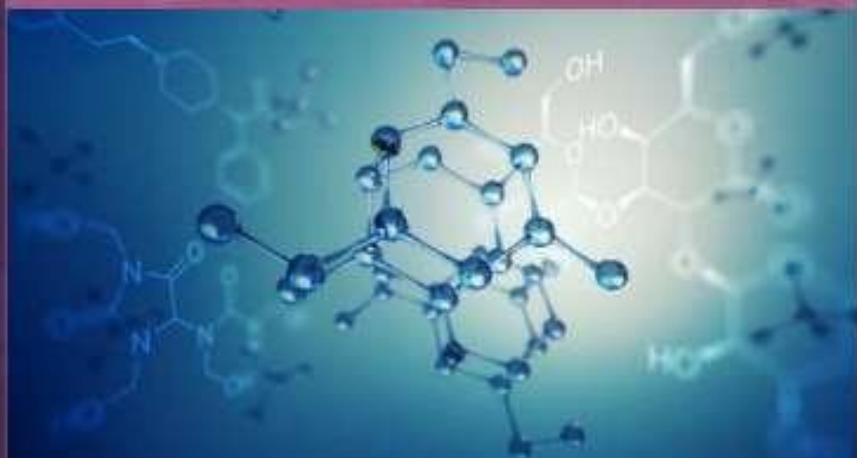
#### Abstract

Molecular docking is a kind of bioinformatic modelling which involves the interaction of two or more molecules to give the stable adduct. Depending upon binding properties of ligand and target, it predicts the three-dimensional structure of any complex. Molecular docking generates different possible adduct structures that are ranked and grouped together using scoring function in the software. Docking simulations predict optimized docked conformer based upon total energy of the system. In spite of all potential approaches, ligand chemistry (tautomerism and ionization), receptor flexibility (single conformation of rigid receptor) and scoring function differentiate true binding mode still remained the challenge.

Date :- 02/01/2019 to  
06/01/2019

### Approaches of Molecular Docking

- Simulation approach
- Lead optimization
- Hit identifications
- Drug-DNA interaction
- Shape complementarity approach



## Curriculum design

### Unit - 1 Introduction of Molecular Docking (8hrs)

- Introduction to molecular docking
- Understanding the structure of protein
- Understanding the active site of a protein
- Understanding the ligand structure
- Protein ligand interactions

### Unit - 2 Conventional to Modern Drug Design (8hrs)

- Drug design
- Shift from traditional to computational biology
- Computer aided design and drafting
- Structure based drug design
- Virtual screening
- Structure based virtual screening
- Work-flow of multi-stage drug designing

### Unit - 3 Molecular Docking Techniques (8hrs)

- Workflow of molecular docking
- Molecular docking theory
- Ligand induced conformation
- Molecular docking task
- Molecular docking programs

### Unit - 4 Types of docking (8hrs)

- Protein ligand docking with example
- Protein-Protein docking with example
- Protein-Peptide docking with example
- Protein-DNA docking
- Protein-RNA docking

### Unit - 5 Modes of Docking (8hrs)

- Rigid docking
- Semi-Flexible docking
- Flexible Ligand, Rigid Protein
- Challenges of protein ligand docking
- Sampling techniques



VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH  
Narsapur, Medak, Telangana 502313

Date: 08/01/2019

## REPORT

Name of the program: Molecular docking

Duration: 5 days

Resource person: Dr. D.Appaji  
Associate Professor,  
Department of Pharmaceutical chemistry  
VIPER

Vishnu Institute of Pharmaceutical Education & Research, Narsapur, organized one week certificate program on “**Molecular docking**” from 02/01/2019 to 06/01/2019 Dr. D.Appaji Associate Professor, Department of Pharmaceutical chemistry was instrumental of this program. A total of 10 students participated in this program. After completing this program, students were able to comprehend the objectives and learning outcomes indicated below.

### Objectives

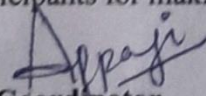
- To give a prediction of the ligand-receptor complex structure using computation methods.
- To identify novel and potent ligands and binding affinity
- To interpret docking results

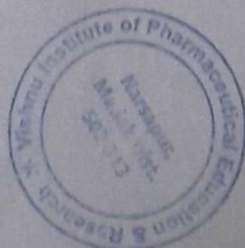
### Outcomes

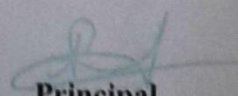
Students will be able to

- Recognize the different types of intermolecular forces and identify them on amino acids.
- Explain the factors that are used to design drug molecules for a protein target.
- Predict how the primary sequence structure of a protein affects its function
- Give examples of how computer simulations are applied to chemistry.

All the students, found the training to be extremely beneficial, and they all gave favorable feedback. Finally, the Principal, Dr.A. Ramesh thanked the resource person and congratulated all participants for making the program a success.

  
Coordinator



  
Principal  
Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313



VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH  
Narsapur, Medak Dt. 502313

VALUE ADDED COURSE ON MOLECULAR DOCKING STUDIES

ATTENDENCE SHEET

AC.YEAR:

S.NO.	NAME OF THE STUDENT	ROLL NO.
1	ARDHAM NIVEDITHA REDDY	17DH1S0401
2	BAIKADI SANTHOSH KUMAR	17DH1S0403
3	BEGARI SUJEEVAN RAJ	17DH1S0404
4	BODA NAVYA	17DH1S0405
5	CHALLA VEENA REDDY	17DH1S0406
6	N PRAVEEN KUMAR	17DH1S0408
7	PEDDAGOLLA LOKESHWARI	17DH1S0410
8	PENMATHSA VINEETHA	17DH1S0411
9	PILLAMULA SHAILAJA	17DH1S0412
10	NADAR SHRAVAN KUMAR	17DH1S0414



**VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH**

BVRIT, Vishnupur, Narsapur, Medak Dist - 502 313



Training Program  
entitled  
"Molecular Docking Studies"

## Certificate of Participation

This is to certify that Mr. / Ms. ✓ BODA NAVYA of

I<sup>st</sup> YEAR M-PHARMACY has participated as a

Participant in Certificate Course entitled "Molecular Docking Studies" from 02-01-2019 to 06-01-2019 at VIPER.

  
D.Appaji

Assoc. Professor



Dr. A Ramesh,

Principal

Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313



**VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH**  
**Narsapur, Medak (dt) Telangana 502313**

**Date: 30/06/2018**

**NOTICE**

We would like to inform all the students that, the add-on program on “**Intellectual learning for pharmaceutical practices**” which will commence from 02/07/2018 to 05/07/2018 interested students is requested to register your names to Mr.D.Prasanna kumar,Assistant professor, Department of pharmaceutics. Hence all the students are hereby informed that to attend the classes without fail

Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313

## Role of intellectual learning pharmaceutical practices

- ↔ Prepare, obtain, store, secure, distribute, administer, dispense and dispose of medical products.
- ↔ Provide effective medication therapy management
- ↔ Maintain and improve professional performance
- ↔ Contribute to improve effectiveness of the health-care system and public health

### Objectives

- The mission of the pharmacy profession to society
- The pharmacist as a member of a health care team
- New perspectives in pharmacy practice
- Good pharmacy practice in all sectors and settings
- The knowledge, skills and attitudes required for good patient-focused pharmacy practice
- The changes in education and policy necessary to implement patient-focused pharmacy practice

### Skills Required

- Memory.
- Comprehension.
- Reasoning.
- Analyzing.
- Problem solving.



### Characteristics

- Intellectual integrity.
- Independence.
- Perseverance.
- Empathy.
- Humility.
- Courage.
- Confidence in reason.
- Fair-mindedness.



# CERTIFICATE PROGRAM ON INTELLECTUAL LEARNING PHARMACEUTICAL PRACTICES



DATE:- 02/07/2018 to 02/05/2018



VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH

Narsapur, Medak Dist-502313, TS

VALUE ADDED COURSE ON INTELLECTUAL LEARNING FOR PHARMACEUTICAL PRACTICES

LIST OF STUDENTS

S.NO	NAME OF THE STUDENT	ROLL NUMBER
1	BOJJA SANIYA	17DH1R0001
2	GATTU SRIVALLI	17DH1R0002
3	K SREE VARSHA	17DH1R0003
4	KALLEM BAHARGAVI	17DH1R0004
5	P TARUN	17DH1R0008
6	SHIVAGARI SAHITHI REDDY	17DH1R0011
7	SIRNA VARSHA	17DH1R0012
8	SUDOLLA SHILPA	17DH1R0013
9	ALISHA ELSA ISAN	17DH1R0015
10	AUSULA PRANAVI	17DH1R0020
11	AVUSULA SHRAVANI	17DH1R0021
12	A AKHILA REDDY	17DH1R0022
13	BETHI ABHILASH REDDY	17DH1R0030
14	DANDEM SAI KUMAR	17DH1R0037
15	DHANDAPANI LEBIKA	17DH1R0038
16	D BHANUPRASAD	17DH1R0039
17	D SAHITHI REDDY	17DH1R0042
18	GADDAM BHASKAR	17DH1R0043
19	GANESUNI MANASA TULASI	17DH1R0047
20	G DEEKSHITHA REDDY	17DH1R0048
21	GOLUSULA YUVARAJ	17DH1R0049
22	GUDALA SUSHMITHA GOUD	17DH1R0050
23	JAVERIYA KHANAM	17DH1R0052
24	KADALI BHAVISHYA	17DH1R0053
25	KASAM HARIKA	17DH1R0055
26	KORMANI PRADEEP	17DH1R0059
27	KOTHA NAVANEETHA	17DH1R0060
28	M SUPRATHIKA	17DH1R0062
29	MALLAK RAJA PRASAD	17DH1R0063

30	MANGALI AKSHITHA	17DH1R0065
31	N SINDHU	17DH1R0072
32	NANDI SWETHA	17DH1R0073
33	NIMMALA GAYATHRI	17DH1R0075
34	VANCHA RISHITHA	17DH1R0097
35	VARALAKSHMI GOPULARAM	17DH1R0098
36	VEERSHETTY VANDANA	17DH1R0099
37	YELLANAGARI SINDHU	17DH1R00A0

Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur Medak dist -502313



VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION & RESEARCH

Vishnupur, Narsapur, Medak Dist - 502 313



Training Program

entitled

"Intellectual Learning - Pharmaceutical Practices"


### Certificate of Participation

This is to certify that Mr. / Ms. SIRNA VARSHA of  
II<sup>nd</sup> YEAR B-PHARMACY has participated as a Participant  
in Certificate Course entitled "Intellectual Learning - Pharmaceutical Practices" from 02-07-2018 to 05-07-2018 at VI PER.

  
D. Prasanna Kumar

Associate Professor, VIPER



  
Dr. A Ramesh,  
Principal

Principal  
Vishnu Institute of Pharmaceutical Education & Research



**VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH**  
Narsapur, Medak Dist-502313, TS

Date: 19/07/2018

**CIRCULAR**

All III and IV B.Pharmacy students are thus informed that our institute will offer six-month interdisciplinary certificate program in "Chemical Engineering" in order to get better placement opportunities. Hence it is mandatory to attend the course without fail.

*[Handwritten signatures and initials]*

Principal  
Principal  
Vishnu Institute of Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313

# B.V.RAJU INSTITUTE OF TECHNOLOGY

## Department of Chemical Engineering

### Certificate course on Chemical engineering for b pharma students

#### Syllabus

#### IV/I Semester, B .Phrama

##### Course 1

Heat exchangers: Enthalphy Balance, Overall heat transfer coefficient, double pipe heat exchanger, shall and tube exchangers, plate heat exchangers, selection of heat exchangers, design 1:1 shall and tube heat exchanger, design of evaporater.

##### Course 2

Mass transfer: principles of distillation, absorption, extrtaction, crystallization, adsorption, humidification, and drying , design of plate column for distillation

##### Course 3

Air compressors and blowers: Types of compressors and blowers, selection of compressors

##### Course 4

Reaction engineering : Rate of reactions homogenous and heterogeneous reactions, ideal and non- ideal reactors ,Design equations and applications , catalysts, types of catalysts.

#### IV/II Semester, B.Phrama

##### Course 5

Process Design: flow sheet development P and ID development, Material Balance , Material of constructions, design temperature, Design pressure process , data sheets.

##### Course 6

**Process control :** Transfers of first order and second order systems ,interacting ans non interacting systems , Open and closed loop systems, different types of controllers.

##### Laboratory Work:

1. Determine the overall heat coefficient for 1:2 shell and dtube heat exchanger.
2. Drying characteristics in tray drier
3. Isothermal bath reactor
4. Performance of packed bed reactor for agiven system
5. Response of P,PI,PD,PID,& ON/OFF Controllersin control trainer
6. Interacting and non Interacting System.

**Certificate course on Chemical Engineering for B. Pharmacy Students**  
**TIME TABLE**

**Ac. Yr. 2018-2019**

S No.	Date	TOPIC	Faculty
1.	28-07-2018	<b>Heat Exchangers:</b> Enthalpy balance, Overall Heat transfer coefficient, Plate heat exchangers. Selection of heat exchangers	Dr. G. B. Radhika
2	18-08-2018	<b>Heat Exchangers:</b> Double pipe heat exchangers, Shell and tube exchangers, Plate heat exchangers, design 1:1 ratio STHE, design of evaporator	Dr. G. B. Radhika
3.	01-09-2018	<b>Mass Transfer:</b> Principles of Distillation, Absorption, Extraction, Crystallization	B. Shiva Kumar
4.	15-09-2018	<b>Mass Transfer:</b> Adsorption, humidification, drying, design of plate column for distillation	B. Shiva Kumar
5.	13-10-2018	<b>Air Compressors and blowers:</b> Types of compressors	Archana Rao. P
6.	27-10-2018	<b>Air Compressors and blowers:</b> Types of Blowers, selection of compressors	Archana Rao. P
7.	10-11-2018	<b>Reaction Engineering:</b> Rate of reaction, homogenous and heterogeneous, ideal and non-ideal reactors	J. Prasad
8.	24-11-2018	<b>Reaction engineering:</b> Design equations and applications, catalyst, types of catalyst	J. Prasad
9.	08-12-2018	<b>Process Design:</b> Flow sheet development P and ID development, material balance	J. Prasad
10.	22-12-2018	<b>Process Design:</b> Material of constructions, design temperature, design pressure, process data sheets	Ch.Venkateswarlu
11.	12-01-2019	<b>Process Control:</b> Transfers of First order and Second Order system, interacting and non-interacting systems	Ch.Venkateswarlu
12.	02-02-2019	<b>Process Control:</b> Open and closed loop systems, different types of controller	Ch.Venkateswarlu

**Certificate course on Chemical Engineering**

**Students list**

**Ac.Year: 2018-19**

S.NO	Roll number	Name of the student
1.	15DH1R0001	BURMA NITHIN KRISHNA
2	15DH1R0002	GANDLA HARSHINI
3	15DH1R0003	GUNDAM PREETHI
4	15DH1R0004	ADUGANI V NAGA MALLIKA
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85	15DH1R0095	V .TRIVENI
86	15DH1R0096	VEMULA NIMITHA
87	15CJ1R0014	V SWATHI

*P. Durga Bhawan*  
Course coordinator

*Principal*  
Vishnu InstiPrincipal Pharmaceutical  
Education & Research  
Narsapur, Medak dist -502313



**B V RAJU INSTITUTE OF TECHNOLOGY**

(Sri Vishnu Educational Society)  
UGC - Autonomous - UGC - NAAC, AICTE, NBA Accredited Institute  
Affiliated to JNTU, Hyderabad

## Certificate of Training

This is to certify that Mr./Ms <sup>✓</sup> CHILLUVERI SANJANA

S/D/o Mr. CHILLUVERI SHIVA has successfully completed

technical training in Chemical Engineering during JULY 2018 - MAR 2019.

Dr. Y.V.Krishna Reddy  
Principal



**VISHNU INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH**  
Narsapur, Medak Dist-502313, TS

Date: 19/07/2018

**CIRCULAR**

We are happy to inform that all III and IV B.Pharmacy students are thus informed that our institute will offer six-month interdisciplinary certificate program in "Biomedical Engineering" in order to get better placement opportunities. Hence it is mandatory to attend the course without fail.

*[Handwritten signatures and initials in blue ink]*

*[Handwritten signature in blue ink]*  
Principal  
Principal  
Vishnu Institute of Pharmaceutica  
Education & Research  
Narsapur, Medak dist -502313

# B.V. RAJU INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF BIOMEDICAL ENGINEERING

Certificate course on Biomedical engineering for B pharmacy Students

### Syllabus

**Muscular & Nervous System:** Type of muscles and functional differences Electrical microscopic structure of skeletal muscle. Salient properties of muscles excitability and contractility all or none law, refractory period, fatigue and elasticity Muscles as energy transducer, Muscle contraction Structure and function of neurons Electrical potentials (Generator & receptor Nerve conduction, synapse and properties synaptic transmission, neurotransmitters motor unit, Neuromuscular junction, receptors and reflex arc, Brain, spinal cord.

**Cardiac & Respiratory System:** Structure of heart and role as pump, Major blood Vessels ultra structure of blood vessels, Heart valves, Special junctional tissues of heart heart sounds, Cardiac cycle.

**Transistors :** Biasing and Stability Q-point, Self Bias-CE Compensation techniques hybrid model of transistors Expression for voltage gain, current gain, input and output impedance trans-resistance & trans conductance.

**Expression for voltage gain:** current gain, input and output impedance, trans-resistance & trans- Emitter follower circuits, High frequency model of transistors.

**Applications of Operational Amplifiers :** adder, integrator & differentiator comparator, Schmitt Trigger Instrumentation Amplifier, Log & Anti-log amplifiers Trans-conductance multiplier, Precision Rectifier Precision Rectifier voltage to current and current to voltage converter, free running oscillator

**Certificate course on Biomedical Engineering For B. Pharmacy Students**

**TIME TABLE**

**Ac. Yr. 2018-2019**

<b>S No.</b>	<b>Date</b>	<b>TOPIC</b>	<b>Faculty</b>
1.	4-8-2018	Muscular system	Mr. M. Prabhakara Reddy
2.	25-8-2018	Nervous system	Mr. M. Prabhakara Reddy
3.	8-9-2018	Cardiac system	Mr. M. Prabhakara Reddy
4.	22-9-2018	Respiratory system	Mr. M. Prabhakara Reddy
5.	6-10-2018	Transistors	Mrs. A. Srilatha
6.	20-10-2018	Biasing and Stability Q-Point	Mrs. A. Srilatha
7.	3-11-2018	Output, impedance transresistance and transconductance	Mrs. A. Srilatha
8.	17-11-2018	Expression for voltage gain	Mrs. A. Srilatha
9.	1-12-2018	Applications of operational amplifiers	Mrs. P. Manju Bhargavi
10.	15-12-2018	Applications of operational amplifiers	Mrs. P. Manju Bhargavi
11.	29-12-2018	Applications of operational amplifiers	Mrs. P. Manju Bhargavi
12.	5-1-2019	Free running oscillator, transconductance multiplier, log and antilog amplifiers	Mrs. P. Manju Bhargavi

**Certificate course on Biomedical Engineering**

**Students list**

**Ac.Year: 2018-19**

S.NO	Roll number	Name of the student
1.	15DH1R0001	BURMA NITHIN KRISHNA
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## Certificate of Participation

This is to certify that <sup>✓</sup>Mr. / Ms. E.S. SUMITHRA NANDAN

<sup>✓</sup>S/o. / D/o. E.S. SUMITHRA MAHESH has

successfully completed Technical Training in *Bio-Medical Engineering* during JULY 2018 - MAR 2019.

  
**Dr. Y.V. Krishna Reddy**  
**Principal**