



PHARM D

LESSON PLAN

Name of the Faculty: **Dr. Mrinmay Das** Name of the Subject: **Pharmaceutical Inorganic Chemistry**

Year/SEM: **I Yr.** Branch/Section: **Pharm D**

Periods / Week: **3hrs/wk** Subject Code: **1.5 (Th)**

No. of Week	Hour	Unit	Topics	Course Learning Outcomes	Teaching Methodology	
1 st Week	1.	Introduction	Pharmaceutical Inorganic Chemistry	Importance of chemistry and its branches	Chalk and Talk	T
	2.		Pharmacopoeial Description	What is IP, BP, USP etc and how to describe the inorganic compounds	Chalk and Talk	T
	3.		Impurity	Definition of pure and impure substances	Chalk and Talk	T1, 2
2 nd Week	4.		Sources of Impurities	How the impurity comes to a substance	Chalk and Talk	T1.
	5.		Effects of Impurities	What can happen if impurities present in inorganic compounds	Chalk and Talk	T
	6.		Purifying methods and Purity Tests	How we can purify the substances, prescribes processes	Chalk and Talk	T
3 rd Week	7.	I	Error, Accuracy and Precision	Definitions and differentiations	Chalk and Talk	T1, T3
	8.		Types of Errors and Methods of expressing precision	How we can express the errors in experimental works	Chalk and Talk	T1, T
	9.		Test for rejection of Data & Significant figures	Wrong Data to be minimize while performing practical	Chalk and Talk	T1,
4 th Week	10.	II	Introduction to Volumetric analysis, Primary and Secondary standards	Basic analytical process, definitions and uses	Chalk and Talk	T
	11.		Types of titration methods	How to do titration in different ways	Chalk and Talk	T
	12.		Classification of titrimetric and volumetric methods	Basic types of titrimetric methods	Chalk and Talk	T1,
5 th Week	13.	III	Acidimetry and Alkalimetry	Titration by acidic substances and basic substances	Chalk and Talk	T1, T
	14.		Preparation and standardization of primary and secondary	How to prepare primary solution and their	Chalk and Talk	T

BHARAT INSTITUTE OF TECHNOLOGY**Mangalpally(V),Ibrahimpattam****Course:B.Pharmacy****Syllabus completion report dated on 02.03.2021****B.PHARMACY: II YEAR**

DEP T	PHARMACY		II	
SNO	FACULTY NAME	YEAR	SUBJECT	SYLLABUS COMPLETION REPORT
1	Mrs.Sangeetha	B.Pharm II Year	Pharmaceutical organic chemistry	5 units completed
2	Mrs. R.Sandhya	B.Pharm II Year	Mirobiology	5 units completed
3	DR.Sheetal	B.Pharm II Year	Physical pharmacy	2 units pending
4	Mrs.Usha	B.Pharm II Year	Pharmaceuical engg	1 unit pending

B.PHARMACY: III YEAR

DEP T	B. PHARMACY		III	
SNO	FACULTY NAME	YEAR	SUBJECT	SYLLABUS COMPLETION REPORT
1	Dr. Mrinmay Das	B.Pharm III Year	Medicinal Chemistrty-II	5 units completed
2	Dr.Bhanuprakash	B.Pharm III Year	Pharmacology-II	5 units completed
3.	Dr. G. Sumalatha	B.Pharm III Year	Pharmacognosy	5 units completed
4.	Mrs. Kabita Banik	B.Pharm III Year	IP-I	5 units completed
5	Mrs M. Sangeetha	B.Pharm III Year	Cosmetic Science	5 units completed
6.	Ms.Anupama	B.Pharm III Year	ES	5 units completed

Form-1

Workload Approval, Allocation and Time Tables Submission Status Report to the Management

(to be submitted by Academic Council one week before commencement of semester)

Guideline: If Workload or Timetable is not submitted or standard format not followed, Academic Council should issue deviation note to the concerned I/C Dept Academic and a copy should be forwarded to the college HR

Year:

Date:

Department	(Scheduled Date of submission) Dept. Work Load Submitted on Time in the prescribed format		Faculty Individual Work Load Allocated on Time in the prescribed format (Yes/No)	Time Table submission on Time in the prescribed format (Yes/No)	Mention deviation note no., issued by Academic Council (if any)
	Actual Date of submission	Date of Work Load Approval by Management			

Signature (I/C Dept Academics)

Verified by Academic Audit Cell Member

Signature of Academic Audit Ce



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500085

EXAMINATION BRANCH

I YEAR B.PHARMACY- II SEMESTER- R16 REGULATION -SUPPLEMENTARY EXAMINATIONS JULY-2021

T I M E T A B L E

TIME → AN: 2.15 PM TO 5.15 PM

BRANCH	DATE AND DAY				
	05-07-2021 Monday	07-07-2021 Wednesday	09-07-2021 Friday	12-07-2021 Monday	14-07-2021 Wednesday
B.PHARMACY	PHARMACEUTICAL INORGANIC CHEMISTRY	PHARMACEUTICAL ORGANIC CHEMISTRY - II	PHYSICAL PHARMACY - I	STATISTICAL METHODS AND COMPUTER APPLICATIONS	ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION - II

DATE 20-06-2021

Sd/-
CONTROLLER OF EXAMINATIONS

NOTE:

- (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- (ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2020-21

For All Constituent & Affiliated Colleges of JNTUH

B. Tech./B.Pharm. I Year I & II Semesters

(Online Classes)


B. Tech./B.Pharm. I Year - I Semester

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork / Orientation Programme	01.12.2020	
2	1 st Spell of Instructions	01.12.2020	23.01.2021 (8 Weeks)
3	First Mid Term Examinations	25.01.2021	30.01.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	06.02.2021	
5	Parent-Teacher Meeting	12.02.2021	
6	2 nd Spell of Instructions	01.02.2021	27.03.2021 (8 Weeks)
7	Second Mid Term Examinations (including public holidays)	29.03.2021	06.04.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	07.04.2021	12.04.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	12.04.2021	
10	End Semester Examinations	15.04.2021	29.04.2021 (2 Weeks)

B. Tech./ B.Pharm. I Year - II Semester

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	30.04.2021	
2	1 st Spell of Instructions	30.04.2021	24.06.2021 (8 Weeks)
3	First Mid Term Examinations	25.06.2021	30.06.2021 (1 Week)
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5	Parent-Teacher Meeting	09.07.2021	
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7	Second Mid Term Examinations	26.08.2021	01.09.2021 (1 Week)
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Note: All the laboratory courses shall be conducted once normalcy is restored.


REGISTRAR

APPENDIX-A

(See regulation 8)

PHARM.D. SYLLABUS

First Year

1.1 HUMAN ANATOMY & PHYSIOLOGY (THEORY)

Theory : 3 Hrs. /Week

1. **Scope and Objectives:** This course is designed to impart a fundamental knowledge on the structure and functions of the human body. It also helps in understanding both homeostasis mechanisms and homeostatic imbalances of various body systems. Since a medicament, which is produced by pharmacist, is used to correct the deviations in human body, it enhances the understanding of how the drugs act on the various body systems in correcting the disease state of the organs.

2. **Upon completion of the course the student shall be able to:**

- a. describe the structure (gross and histology) and functions of various organs of the human body;
- b. describe the various homeostatic mechanisms and their imbalances of various systems;
- c. identify the various tissues and organs of the different systems of the human body;
- d. perform the hematological tests and also record blood pressure, heart rate, pulse and Respiratory volumes;
- e. appreciate coordinated working pattern of different organs of each system; and
- f. appreciate the interlinked mechanisms in the maintenance of normal functioning (homeostasis) of human body

3. **Course materials:**

Text books

- a. Tortora Gerard J. and Nicholas, P. Principles of anatomy and physiology
Publisher Harpercollins college New York.
- b. Wilson, K.J.W. Ross and Wilson's foundations of anatomy and physiology.
Publisher: Churchill Livingstone, Edinburg.

Reference books

- a. Guyton arthur, C. *Physiology of human body*. Publisher: Holtsaunders.
- b. Chatterjee, C.C. *Human physiology*. Volume 1&11. Publisher: medical allied agency, Calcutta.
- c. Peter L. Williams, Roger Warwick, Mary Dyson and Lawrence, H.
- d. *Gray's anatomy*. Publisher: Churchill Livingstone, London.

[Type text]

PS101: HUMAN ANATOMY AND PHYSIOLOGY-I

B. Pharm. I Year I Sem

L	T	P	C
3	1	0	4

Scope: This subject is designed to impart fundamental knowledge on the structure and functions of the various systems of the human body. It also helps in understanding both homeostatic mechanisms. The subject provides the basic knowledge required to understand the various disciplines of pharmacy.

Course Objectives: Upon completion of this course the student should be able to

- Explain the gross morphology, structure, and functions of various organs of the human body.
- Describe the various homeostatic mechanisms and their imbalances.
- Identify the various tissues and organs of different systems of human body.
- Perform the various experiments related to special senses and nervous system.
- Appreciate coordinated working pattern of different organs of each system

Unit – I 10 hours

Introduction to human body

Definition and scope of anatomy and physiology, levels of structural organization and body systems, basic life processes, homeostasis, basic anatomical terminology.

Cellular level of organization

Structure and functions of cell, transport across cell membrane, cell division, cell junctions. General principles of cell communication, intracellular signaling pathway activation by extracellular signal molecule, Forms of intracellular signaling: a) Contact-dependent b) Paracrine c) Synaptic d) Endocrine

Tissue level of organization

Classification of tissues, structure, location and functions of epithelial, muscular and nervous and connective tissues.

Unit – II 10 hours

Integumentary system Structure and functions of skin

Skeletal system

Divisions of skeletal system, types of bone, salient features, and functions of bones of axial and appendicular skeletal system

Organization of skeletal muscle, physiology of muscle contraction, neuromuscular junction

Joints

Structural and functional classification, types of joints movements and its articulation

Unit – III 10 hours

Nervous system

Organization of nervous system, neuron, neuroglia, classification and properties of nerve fibre, electrophysiology, action potential, nerve impulse, receptors, synapse, neurotransmitters.

Central nervous system: Meninges, ventricles of brain and cerebrospinal fluid. Structure and functions of brain (cerebrum, brain stem, cerebellum), spinal cord (gross structure, functions of afferent and efferent nerve tracts, reflex activity)

Unit – IV 08 hours

Peripheral nervous system:

Classification of peripheral nervous system: Structure and functions of sympathetic and parasympathetic nervous system. Origin and functions of spinal and cranial nerves.

Special senses

[Type text]

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.PHARMACY (PHARMACEUTICS / PHARMACEUTICAL TECHNOLOGY)

R19 COURSE STRUCTURE AND SYLLABUS
Effective from Academic Year 2019-20 Admitted Batch

I YEAR I Semester

Course Code	Course Title	L	T	P	Credits
Professional Core-I	Modern Pharmaceutics-I	3	0	0	3
Professional Core-II	Applied Biopharmaceutics and Pharmacokinetics	3	0	0	3
Professional Elective-I	1. Advanced Physical Pharmaceutics 2. Drug Regulatory affairs 3. Total Quality Management	3	0	0	3
Professional Elective-II	1. Cosmetics and Cosmeceuticals 2. Pharmaceutical Validation 3. Stability of Drugs and Dosage Forms	3	0	0	3
MC	Research methodology and IPR	2	0	0	2
Laboratory- I	Modern Pharmaceutics – I Lab	0	0	4	2
Laboratory- II	Applied Biopharmaceutics and Pharmacokinetics Lab	0	0	4	2
Audit	Audit Course- I	2	0	0	0
TOTAL		16	0	8	18

I YEAR II Semester

Course Code	Course Title	L	T	P	Credits
Professional Core-III	Modern Pharmaceutics-II	3	0	0	3
Professional Core-IV	Advanced Drug Delivery Systems	3	0	0	3
Professional Elective-III	1. Industrial Pharmacy 2. Herbal Cosmetics 3. Pharmaceutical Management	3	0	0	3
Professional Elective-IV	1. Nano based Drug Delivery Systems 2. Nutraceuticals 3. Clinical Research and Pharmacovigilance	3	0	0	3
Laboratory- III	Modern Pharmaceutics – II Lab	0	0	4	2
Laboratory- IV	Advanced Drug Delivery System Lab	0	0	4	2
--	Mini project with seminar	2	0	0	2
Audit	Audit Course- II	2	0	0	0
Total		16	0	8	18

"Education is the manifestation of perfection already in man"

- Swami Vivekananda



TEACHER'S DIARY-ADMIN

SEMESTER I & II

(To be filled daily by the concerned faculty member)

ACADEMIC YEAR 2019 - 2020

Name of the Teacher : Namratha Sunkara

Employee Code :

Designation : Asst. Professor

Department : Pharmaceutical Analysis

"Education is the manifestation of perfection already in man"

- Swami Vivekananda



TEACHER'S DIARY-ACADEMICS

SEMESTER I & II

(To be filled daily by the concerned faculty member)

ACADEMIC YEAR 2021 - 2022

Name of the Teacher : Dr. Namvath Sontara

Employee Code :

Designation : Assoc Prof

Department :



BHARAT INSTITUTE OF TECHNOLOGY

(Sponsored by Chinta Reddy Madhusudhan Reddy Educational Society)
(Affiliated to JNTU, Recognised by AICTE & Approved by Pharmacy Council of India)

(Department Of Pharmacy)

Mangalpally (V), Ibrahimpatnam (M), R.R. Dist, Telangana

I Yr Pharm D Time Table 2019-2020 BIT

DAY	09:20 - 10:10AM	10:10 - 11:00AM	11:00 - 11:10 AM	11:10 AM- 12:00PM	12:00 - 12:50 PM	12:40 - 1:30 PM	01:30 - 2.20P.M.	2.20- 03:10PM	03:30 - 04:00PM
MON	PCT	MBC	B R	PIC	RM	L U N C H B R E A K	PIC LAB Batch 1 POC LAB Batch 2		
TUE	HAP	POC		PIC	MBC		POC LAB Batch 1 PIC LAB Batch 2		
WED	POC	LIBRARY		LIBRARY	MBC		HAP LAB Batch 1 MBC LAB Batch 2		
THU	RM	PCT LAB Batch 1 HAP LAB Batch 2			MBC LAB batch 1 PCT LAB Batch 2				
FRI	HAP	RM	A K	HAP	POC		PIC	RM	PCT
SAT	MBC	LIBRARY		POC	PCT		HAP	CLUB ACTIVITIES	

SL. No.	NAME OF THE SUBJECT	NAME OF THE FACULTY	SIGN
1	Human Anatomy and physiology	Ms. K Usha Rani (T + L)	
2	Pharmaceutical	Ms. Pramila (T + L)	
3	Medicinal Biochemistry	Mr. Bhira Babu (T + L)	
4	Pharmaceutical organic chemistry	Ms. D Shavanty (T + L)	
5	Pharmaceutical inorganic chemistry	Ms. Attma Jyoti (T + L)	
6	Remedial mathematics	Dr. Deepthi (T + L)	

BHARAT INSTITUTE OF TECHNOLOGY
MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

B. PHARM I YR I SEM I MID EXAMINATION, FEB-2021

TIME TABLE

Date / Day	10:00 – 11:30 AM	2:00 – 3:30 PM
15-02-2021 (Monday)	Human Anatomy & Physiology-I (P. Hanitha)	Pharmaceutical Analysis-I (Nannratha)
16-02-2021 (Tues Day)	Pharmaceutics-I (Vani)	Pharmaceutical Inorganic Chemistry-I (Vishwanath)
17-02-2021 (Wednesday)	Remedial Mathematics (Aparna Reddy B.R.)	Communication Skill (Anupama)


05/02/21
Exam Branch I/C


Academic I/C


15/2/21
Admin I/C



BHARAT INSTITUTIONS

STUDENT LAB ATTENDANCE CUM LAB LOG REGISTER

- ◆ All the students should follow proper lab dress code and safety measures & all other rules as per the requirement of the particular lab.
- ◆ All the lab experiments must be mandatorily conducted as per university syllabus and schedule.
- ◆ Any lab session missed due to holiday & other reasons must be compensated by conducting lab practical by taking extra session during the free slot or after working hours or on holiday or Sunday within ten working days. The schedule for the same should be informed and put on notice board for the information of the students.
- ◆ Students can repeat any lab experiment as many times as required during the free slots or extra hour if they are not able to understand the experiment in their regular lab session.
- ◆ Whenever students use sophisticated / costly / hazardous equipments for the lab practical, it must be done only under guidance and direction of the faculty and lab assistant. Students are liable to pay for damages resulting due to their negligence in handling of the equipment. College is not liable for any compensation thereof.
- ◆ If any equipment is unavailable or under maintenance, the student should inform to the concerned Lab In-charge / Admin In-charge / Principal. If no remedial action is taken to get equipments functional by Lab In-charge / Admin In-charge / Principal, the students should bring the same to the notice of the management.

Name of the College _____

Department _____

Name of the Faculty(s) _____

Academic Year _____

Course _____ Branch _____

Year _____ Semester _____ Section _____

Subject _____



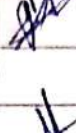


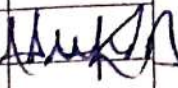

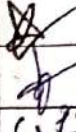




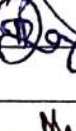
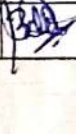

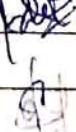




Sign. of Faculty(s)

Sign. of Dept. Academic I/C

Sign. of Principal

BHARAT INSTITUTE OF TECHNOLOGY

MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

FN: (9:45 AM -12:45 PM)					AN: 02.15 PM to 05.15 PM		
S.No	Date of exam	Invigilator	R. No	Sign.	Invigilator	R. No	Sign.
1.	19-07-2021 Monday	Ms. Anupama	SH		Dr. Sharanya	SH	
		Sharanya	311		Ms P lavanya	311	
2.	20-07-2021 TUESDAY	Ms. Rachel Niveditha	SH		Ms. Mounika	SH	
		Dr. Mrinmay Das	311		Dr. Sindhu	311	
3.	22-07-2021 Thursday	Mrs. Usharani	SH		Dr. SriDevi	SH	
		Dr. Shital Patel	311		Ms. K Lavanya	311	
4.	23-07-2021 FRIDAY	Anupama	SH		Ms. Azka Fatima	SH	
		Dr. Ramya Sree	311		P.Lavanya	311	
5.	24-07-2021 Saturday	Dr. Swati Ms. Soundarya.	SH		Dr. Shital Patel	SH	
		Ms. Beula	311		Ms. Soundrya Dr. Swathi	311	
6.	26-07-2021 MONDAY	Namratha	SH		Dr. Batsha	SH	
		Ms. Twila Pushpa	311		Dr. Ramya Sree	311	
7.	27-07-2021 Tuesday	Dr. Swathi	SH		Ms. Soundrya	SH	
		Dr. Mrinmay Das	311		Dr. Batsha	311	
8.	28-07-2021 Wednesday	Ms. Rachel Niveditha	SH				
		Dr. Ramya Sree	311				
9.	29-07-2021 Thursday	Ms. Beula	SH		R.Sandhya	SH	
		Akra Fatima	311		Ms. K Lavanya	311	
10.	30-07-2021 Friday	Mrs. Kabita Banik	SH				
		Ms.Mounika	311				
11.	31-07-2021 Saturday	Dr. Batsha	SH		Ms. Anupama	SH	
		Ms. Beula	311		Dr. Swathi K. Lavanya	311	
12.	03-08-2021 Tuesday	Dr. Sharanya	SH				
		Azka Fatima	311				

AZKa



Exam Branch I/C

Admin I/C

Academic I/C



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD-500085

BHARAT INST. OF TECHNOLOGY(17)
B.Pharmacy - R17 - II Year - II Semester

B.Pharmacy

Final University Consolidated Internal Marks Report-Date- 2021-09-13 15.19.27

HNTU	24401	24402	24403	24404	24405	244AA	244AB	244AC	244AD	244AE
18171R0027	22	19	17	19	89	14	14	13	14	18
18171R0039	22	21	17	19	87	15	15	13	16	13
18171R0063	13	13	17	13	87	13	13	13	13	13
18171R0067	13	13	13	13	87	13	13	13	13	13
18171R0068	13	13	13	13	87	13	13	13	13	13
18171R0075	23	22	13	17	88	14	14	13	16	19
18171R0076	13	13	13	13	87	14	15	13	17	18
19171R0001	24	23	23	23	97	21	20	21	22	22
19171R0002	24	24	22	21	95	19	19	21	20	21
19171R0003	23	22	21	23	91	22	20	22	21	22
19171R0004	24	23	20	23	92	22	17	17	18	20
19171R0005	24	24	20	22	93	21	20	21	18	21
19171R0006	23	24	18	21	95	20	19	18	15	23
19171R0007	23	19	18	18	92	20	19	18	20	21
19171R0008	24	24	18	21	92	21	21	20	20	21
19171R0009	24	18	15	20	93	21	19	18	20	22
19171R0010	24	23	22	23	91	21	21	21	20	23
19171R0011	24	24	23	25	90	21	19	20	19	21
19171R0012	22	21	18	20	90	20	18	19	18	21
19171R0013	23	21	17	22	96	20	18	20	17	22
19171R0014	22	22	21	19	91	19	20	18	19	21
19171R0015	23	21	17	22	92	20	20	19	16	22
19171R0016	24	22	21	24	90	22	20	20	18	21
19171R0017	24	24	18	22	91	22	19	21	20	23
19171R0018	23	22	17	22	91	20	18	19	19	21
19171R0019	24	23	22	22	91	20	20	21	16	22
19171R0020	23	23	23	22	93	22	19	19	18	23
19171R0021	20	23	15	19	96	18	15	16	15	18
19171R0022	24	23	21	23	95	20	17	20	16	21
19171R0023	23	22	18	22	92	23	18	21	19	21
19171R0024	24	24	18	22	92	21	19	20	17	22
19171R0025	24	24	19	22	95	20	18	19	18	20

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**ACADEMIC CALENDAR 2020-21****For All Constituent & Affiliated Colleges of JNTUH****B. Tech./B.Pharm. I Year I & II Semesters****(Online Classes)****B. Tech./B.Pharm. I Year - I Semester**

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9	Submission of Second Mid Term Exam Marks to the University on or before	08.09.2021	
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Note: All the laboratory courses shall be conducted once normalcy is restored.


REGISTRAR



BHARAT INSTITUTE OF TECHNOLOGY

(Approved by PCI & AICTE, Affiliated to JNTU II)
Mangalpally (V), Ibrahimpatnam (M), R.R. Dist. - 501 510.

Main Answer Book

MID Exam No.: 1

Date : 11/02/2020

Branch : B-Pharm

Year : II year

Roll No.: 17111R0032

Subject : BPPK

No. of Additional : 1

Signature of Invigilator with Date

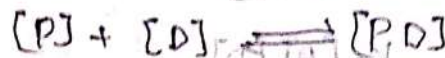
Q.2.

Kinetics of protein binding.

[P] represents concentration of protein

[D] represents concentration of Drug

Ap



Applying law of mass action.

$$K_a = \frac{[PD]}{[P][D]} \quad (1)$$

$$[PD] = K_a [P][D] \quad (2)$$

where.

[P] = concentration of free proteins

[D] = concentration of free drug

[PD] = concentration of Drug bound to protein

to form complex

K_a = constant of association

K_d = Constant of dissociation

$K_a > K_d$ as the protein should be bound to the drug to form protein drug complex.

P_T = Total protein complex is the total concentration of proteins bound and unbound

$$P_T = [PD] + [P] \quad (3)$$

x is the no. of moles of proteins unbound

06/10



BHARAT INSTITUTE OF TECHNOLOGY

III YR II SEM B. PHARMACY I MID EXAMINATION, FEB 2020

ATTENDANCE SHEET

SUB: *Biopharmaceutics & pharmacokinetics.*

S.No	Roll No	Student Name	Signature
	14171R0005	PAWAR RASHEKA	(Ab)
2.	14171R0025	U. NARSIMHA	(Ab)
3.	15171R0064	C Vamshi	(Ab)
4.	15171R0066	M Chaitanya Srikrishna	(Ab)
5.	16171R0036	Budde Vineeth	(Ab)
6.	16171R0052	Ujjali Pavan	O. Pavan.
7.	16171R0057	Agunuri Jagadish	Jagadish. A
8.	16171R0067	S Ganesh	(Ab)
9.	16171R0068	Hidayath Mohd Khan	(Ab)
10.	16171R0076	P. Sai Nikhil	Sai Nikhil
11.	17171R0001	A Sindhu	A. Sindhu
12.	17171R0002	Amudala Deepthi	Deepthi
13.	17171R0003	Anuguru Sree Deepthi	Sreedeepthi
14.	17171R0004	B S G S Amrutha Varshini	Amrutha
15.	17171R0005	B Sai Charan Goud (detained)	B. Sai Charan
16.	17171R0006	Bandari Pranay	B. Pranay
17.	17171R0007	Bingi Shruthi	B. Shruthi
18.	17171R0008	Burgula Sundar Sukhesh	Sukhesh
19.	17171R0009	Chenna Sowmya	Sowmya
20.	17171R0010	Chikoti Amulya	Amulya
21.	17171R0011	Chinthakayala Nitish Kumar	Nitish Kumar
22.	17171R0012	Chinthala Varsha	Varsha
23.	17171R0013	Chowhan Anjali	Anjali
24.	17171R0014	D Shiva Prasad	D. Shiva Prasad
25.	17171R0015	Dasari Arunkumar	Arunkumar
26.	17171R0016	Dharammoni Vennela	Vennela
27.	17171R0017	Dussa Meghana	Meghana
28.	17171R0018	Emmarasu Sai Vasanth	Sai Vasanth
29.	17171R0019	Enjam Anjali	Anjali
30.	17171R0020	Eslavath Maheswari	E. Maheswari
31.	17171R0021	Gandla Suma Latha	Suma Latha
32.	17171R0022	Gottam Sreeja Reddy	Sreeja Reddy
33.	17171R0023	Gummakonda Lakshmaiah	Lakshmaiah
34.	17171R0024	K Hanumanthu	Hanumanthu
35.	17171R0026	Kalpana Kale	Kalpana Kale
36.	17171R0027	Kanneboina Machagiri	Machagiri
37.	17171R0028	Karla Saiprakash	Saiprakash
38.	17171R0029	Karnati Raghavendhar	Raghavendhar
39.	17171R0030	Kashi Harshini	Harshini
40.	17171R0031	Kokkalakonda Madhuri	Madhuri
41.	17171R0032	Kolanu Shivanath Reddy	Shivanath Reddy
42.	17171R0033	V. Laxmi Saranya	Laxmi Saranya
43.	17171R0034	Kondru Divya	Divya

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
ACADEMIC CALENDAR 2020-21

For All Constituent & Affiliated Colleges of JNTUH

B. Tech./B.Pharm. I Year I & II Semesters

(Online Classes)

B. Tech./B.Pharm. I Year - I Semester

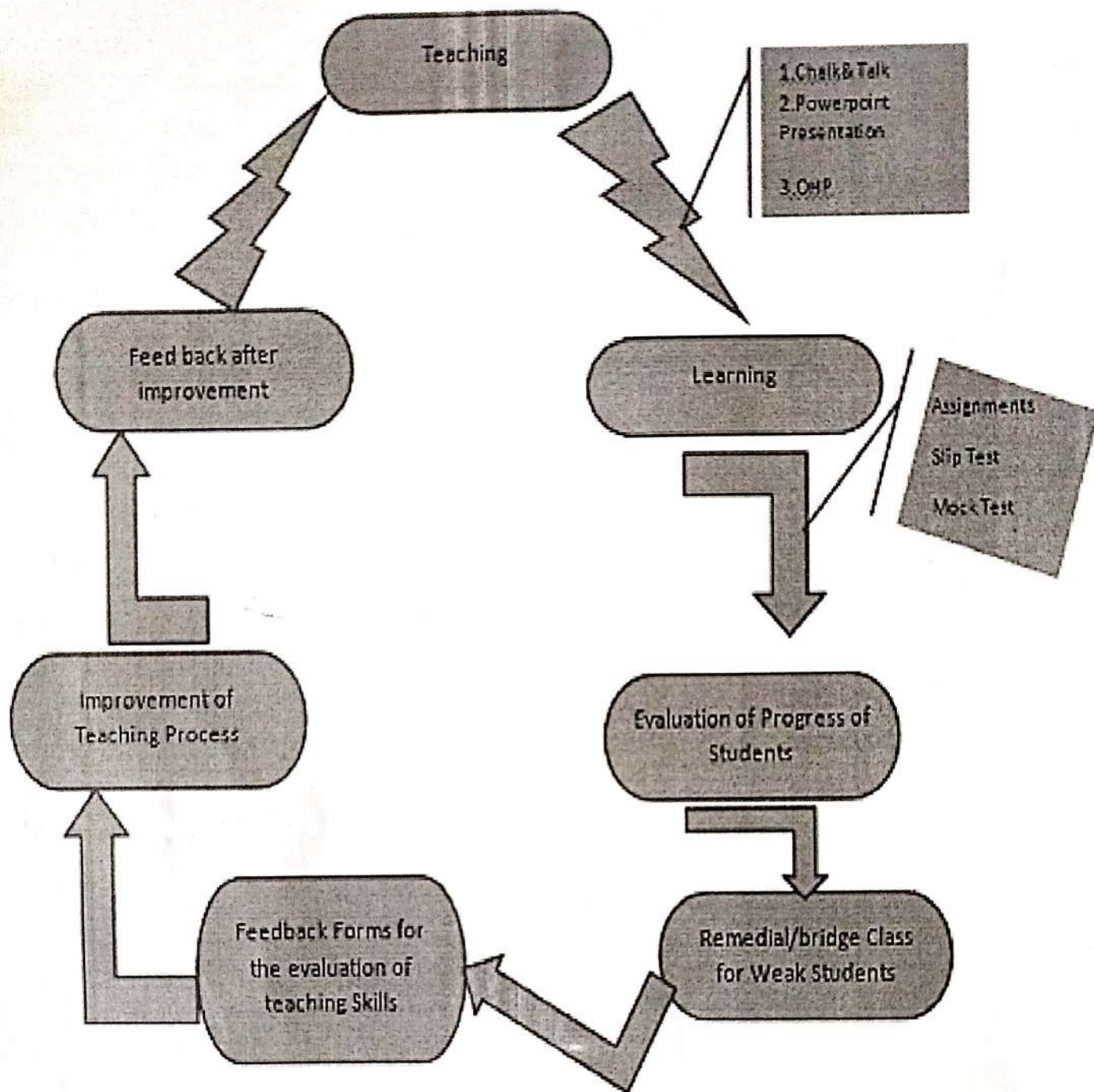
S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork / Orientation Programme	01.12.2020	
2	1 st Spell of Instructions	01.12.2020	23.01.2021 (8 Weeks)
3	First Mid Term Examinations	25.01.2021	30.01.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	06.02.2021	
5	Parent-Teacher Meeting	12.02.2021	
6	2 nd Spell of Instructions	01.02.2021	27.03.2021 (8 Weeks)
7	Second Mid Term Examinations (including public holidays)	29.03.2021	06.04.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	07.04.2021	12.04.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	12.04.2021	
10	End Semester Examinations	15.04.2021	29.04.2021 (2 Weeks)

B. Tech./ B.Pharm. I Year - II Semester

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	30.04.2021	
2	1 st Spell of Instructions	30.04.2021	24.06.2021 (8 Weeks)
3	First Mid Term Examinations	25.06.2021	30.06.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	05.07.2021	
5	Parent-Teacher Meeting	09.07.2021	
6	2 nd Spell of Instructions	01.07.2021	25.08.2021 (8 Weeks)
7	Second Mid Term Examinations	26.08.2021	01.09.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	02.09.2021	08.09.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	08.09.2021	
10	End Semester Examinations	09.09.2021	22.09.2021 (2 Weeks)

Note: All the laboratory courses shall be conducted once normalcy is restored.


REGISTRAR





Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



Dr. M.Chandra Mohan

B.E., M.Tech., Ph.D.

Professor of Computer Science & Engg. &
DIRECTOR OF EVALUATION

To,
The Principal,
BHARAT INST. OF TECHNOLOGY (17).

Dear Sir/Madam,

Sub:- Exam Branch-JNTUH-Appointment of Subject Experts from your college for Spot Valuation duty-Request for deputing the appointed subject experts-Reg.

I am glad to inform you that the following faculty members of your college have been appointed as subject experts for spot valuation duty at Examination Branch, JNTUH. You are requested to depute these faculty members duly adjusting the class work/Invigilation/other assignments and by issuing the relieving letter. The faculty members deputed for Spot valuation duty shall report at Examinations Building Spot Valuation Center-JNTUH Campus, Kukatpally, Hyderabad everyday by 10 AM. For any further clarifications please contact the reporting officer (mentioned in table here under).

Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
ATTALURI VENKATA BADARI NATH	BIostatISTICS AND RESEARCH METHODOLOGY	30-07-2021 to 02-08- 2021	Additional Controllers of Examination 1

Your co-operation is highly solicited for the smooth conduct of spot valuation work.

sd/-

Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



1718-10-2021

Dr. M.Chandra Mohan

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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
Haritha Pasupulati	PHARMACOLOGY I	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
Marina DSouza	PHARMACOGNOSY AND PHYTOCHEMISTRY I	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
ATTALURI VENKATA BADARI NATH	PHARMACOLOGY II	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
Shib Kamila	PHARMACEUTICAL MICROBIOLOGY	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
Vijaya Ch S	PHARMACEUTICAL ENGINEERING	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
Vijaya Ch S	PHARMACEUTICAL ENGINEERING	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
SANTHOSHI GILLAPALLY	PHARMACEUTICAL BIOTECHNOLOGY	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
Namratha Sunkara	PHARMACEUTICAL QUALITY ASSURANCE	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
PUNNA LAVANYA	PHARMACOGNOSY AND PHYTOCHEMISTRY I	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1
SUMALATHA GOVINDU	PHARMACOGNOSY AND PHYTOCHEMISTRY I	19-10-2021 to 22-10-2021	Additional Controllers of Examination 1



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
Vijaya Ch S	BIOPHARMACEUTICS AND PHARMACOKINETICS	24-10-2021 to 27-10-2021	Additional Controllers of Examination 1
Namratha Sunkara	PHARMACEUTICAL QUALITY ASSURANCE	24-10-2021 to 27-10-2021	Additional Controllers of Examination 1
Haritha Pasupulati	PHARMACOLOGY II	24-10-2021 to 27-10-2021	Additional Controllers of Examination 1
SANTHOSHI GILLAPALLY	PHARMACEUTICAL BIOTECHNOLOGY	24-10-2021 to 27-10-2021	Additional Controllers of Examination 1

Your co-operation is highly solicited for the smooth conduct of spot valuation work.

sd/-

Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



1715-11-2021

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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
DAS MRINMAY	PHARMACEUTICAL ORGANIC CHEMISTRY I	16-11-2021 to 19-11-2021	Additional Controllers of Examination 1
Haritha Pasupulati	HUMAN ANATOMY AND PHYSIOLOGY II	16-11-2021 to 19-11-2021	Additional Controllers of Examination 1

Your co-operation is highly solicited for the smooth conduct of spot valuation work.

sd/-

Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
shital patel	MEDICINAL CHEMISTRY I	19-08-2022 to 22-08-2022	Additional Controllers of Examination 1

Your co-operation is highly solicited for the smooth conduct of spot valuation work.

sd/-

Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
shital patel	PHARMACEUTICAL MICROBIOLOGY	14-09-2022 to 17-09-2022	Additional Controllers of Examination 1
R K MOHAMED MUTAHAR	BIOPHARMACEUTICS AND PHARMACOKINETICS	14-09-2022 to 17-09-2022	Additional Controllers of Examination 1
THANDRA BEAULA	MEDICINAL CHEMISTRY I	14-09-2022 to 17-09-2022	Additional Controllers of Examination 1

Your co-operation is highly solicited for the smooth conduct of spot valuation work.

sd/-
Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



1710-12-2022

Dr. M.Chandra Mohan

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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
J E RACHEL NIVEDITA	HUMAN ANATOMY AND PHYSIOLOGY I	11-12-2022 to 14-12-2022	Additional Controllers of Examination 1

Your co-operation is highly solicited for the smooth conduct of spot valuation work.

sd/-

Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



1712-12-2022

Dr. M.Chandra Mohan

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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
J E RACHEL NIVEDITA	HUMAN ANATOMY AND PHYSIOLOGY II	13-12-2022 to 16-12-2022	Additional Controllers of Examination 1

Your co-operation is highly solicited for the smooth conduct of spot valuation work.

sd/-

Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



1710-10-2022

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J E RACHEL NIVEDITA	PHARMACOLOGY I	11-10-2022 to 14-10-2022	Additional Controllers of Examination 1
shital patel	PHARMACEUTICAL MICROBIOLOGY	11-10-2022 to 14-10-2022	Additional Controllers of Examination 1
CHINTALAPATI ASCHARYA	PHARMACEUTICAL ENGINEERING	11-10-2022 to 14-10-2022	Additional Controllers of Examination 1
NIRMALA BHARATHI	PHARMACEUTICAL ORGANIC CHEMISTRY II	11-10-2022 to 14-10-2022	Additional Controllers of Examination 1

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sd/-

Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



1715-11-2022

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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
NISA FIRDOUS	CLINICAL PHARMACY	16-11-2022 to 19-11-2022	Additional Controllers of Examination 1

Your co-operation is highly solicited for the smooth conduct of spot valuation work.

sd/-

Director Of Evaluation, JNTUH



Jawaharlal Nehru Technological University Hyderabad
University Examination Branch.



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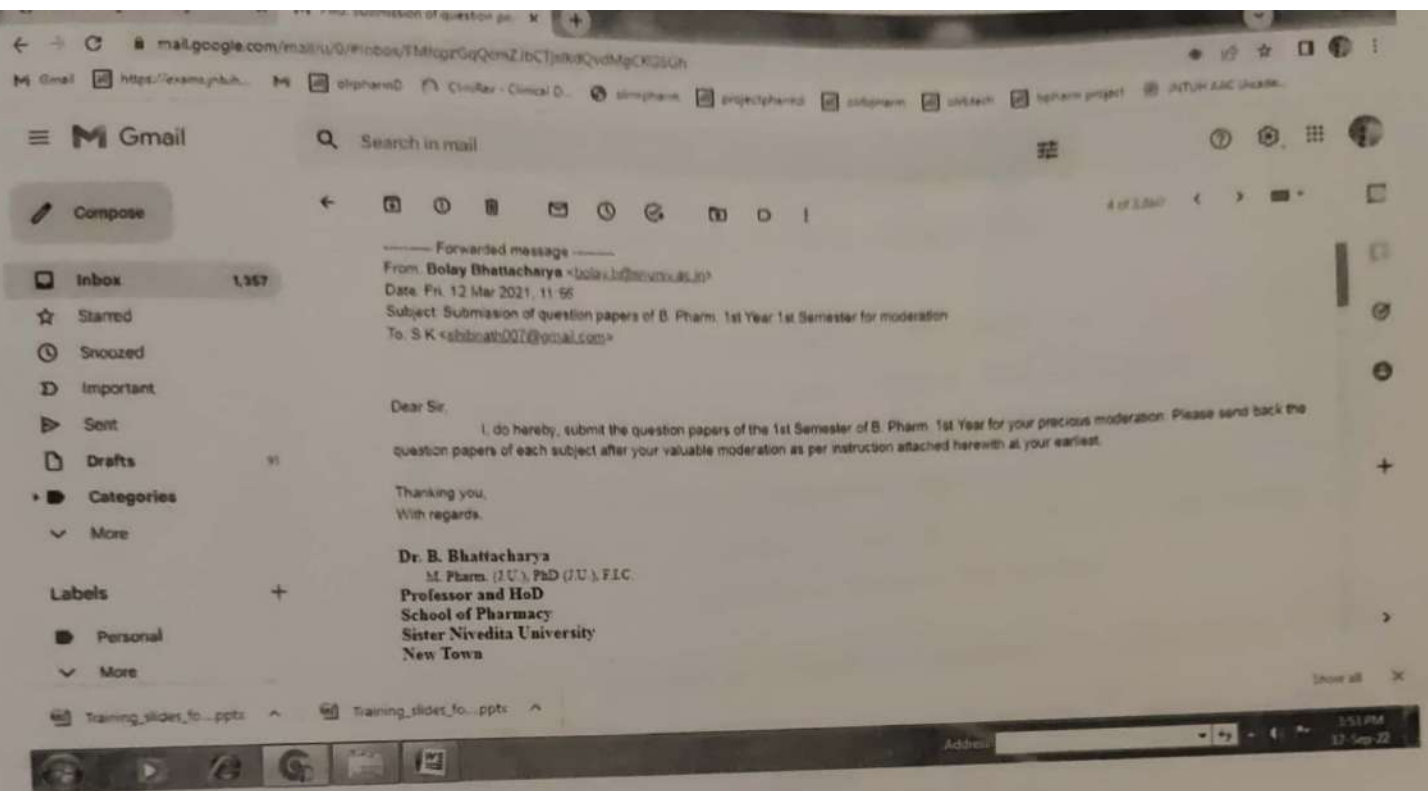
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Evaluator Name	Name of the Subject to be Evaluated	Dates of Valuation	Reporting Officer
Haritha Pasupulati	PHARMACOLOGY I	12-11-2021 to 15-11-2021	Additional Controllers of Examination 1
DAS MRINMAY	PHARMACEUTICAL ORGANIC CHEMISTRY I	12-11-2021 to 15-11-2021	Additional Controllers of Examination 1

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sd/-

Director Of Evaluation, JNTUH



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

II Year B.Tech. II Sem (Common to All B.Tech. Branches and B.Pharmacy)

L T/P/D C
- /3/- 2GENDER SENSITIZATION
(An Activity-based Course)

Objectives of the Course:

- To develop students' sensibility with regard to issues of gender in contemporary India.
- To provide a critical perspective on the socialization of men and women.
- To introduce students to information about some key biological aspects of genders.
- To expose the students to debates on the politics and economics of work.
- To help students reflect critically on gender violence.
- To expose students to more egalitarian interactions between men and women.

Learning Outcomes:

- > Students will have developed a better understanding of important issues related to gender in contemporary India.
- > Students will be sensitized to basic dimensions of the biological, sociological, psychological and legal aspects of gender. This will be achieved through discussion of materials derived from research, facts, everyday life, literature and film.
- > Students will attain a finer grasp of how gender discrimination works in our society and how to counter it.
- > Students will acquire insight into the gendered division of labour and its relation to politics and economics.
- > Men and women students and professionals will be better equipped to work and live together as equals.
- > Students will develop a sense of appreciation of women in all walks of life.
- > Through providing accounts of studies and movements as well as the new laws that provide protection and relief to women, the textbook will empower students to understand and respond to gender violence.

Unit-I:

UNDERSTANDING GENDER:

Gender: Why Should We Study It? (Towards a World of Equals: Unit -1)

Socialization: Making Women, Making Men (Towards a World of Equals: Unit -2)

Introduction. Preparing for Womanhood. Growing up Male. First lessons in Caste. Different Masculinities.

Just Relationships: Being Together as Equals (Towards a World of Equals: Unit -12)

Mary Kom and Onler. Love and Acid just do not Mix. Love Letters. Mothers and Fathers. Further Reading: Rosa Parks-The Brave Heart.

Unit - II:

GENDER AND BIOLOGY:

Missing Women: Sex Selection and Its Consequences (Towards a World of Equals: Unit -4)

Declining Sex Ratio. Demographic Consequences.

Gender Spectrum: Beyond the Binary (Towards a World of Equals: Unit -10)

Two or Many? Struggles with Discrimination

Additional Reading: Our Bodies, Our Health (Towards a World of Equals: Unit -13)

Unit - III:

GENDER AND LABOUR:

Housework: the Invisible Labour (Towards a World of Equals: Unit -3)

"My Mother doesn't Work." "Share the Load."

Women's Work: Its Politics and Economics (Towards a World of Equals: Unit -7)

Fact and Fiction. Unrecognized and Unaccounted work. Further Reading: Wages and Conditions of Work.

Unit - IV:

ISSUES OF VIOLENCE:

Sexual Harassment: Say No! (Towards a World of Equals: Unit -6)

Sexual Harassment, not Eve-teasing- Coping with Everyday Harassment- Further Reading: "Chupulu".

Domestic Violence: Speaking Out (Towards a World of Equals: Unit -8)

Is Home a Safe Place? -When Women Unite [Film]. Rebuilding Lives. Further Reading: New Forums for Justice.

Thinking about Sexual Violence (Towards a World of Equals: Unit -11)

Blaming the Victim-"I Fought for my Life..." - Further Reading: The Caste Face of Violence.

Unit - V:

GENDER STUDIES:

Knowledge: Through the Lens of Gender (Towards a World of Equals: Unit -5)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

IV Year B.Pharm - II Sem

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(R80035) HUMAN VALUES AND PROFESSIONAL ETHICS

Objectives : This introductory course input is intended

- To help the students appreciate the essential complementarity between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity which are the core aspirations of all human beings.
- To facilitate the development of a Holistic perspective among students towards life, profession and happiness, based on a correct understanding of the Human reality and the rest of Existence. Such a holistic perspective forms the basis of Value based living in a natural way.
- To highlight plausible implications of such a Holistic understanding in terms of ethical human conduct, trustful and mutually satisfying human behavior and mutually enriching interaction with Nature.

Unit I:

Course Introduction - Need, Basic Guidelines, Content and Process for Value Education: Understanding the need, basic guidelines, content and process for Value Education. Self Exploration-what is it? - its content and process; 'Natural Acceptance' and Experiential Validation- as the mechanism for self exploration. Continuous Happiness and Prosperity- A look at basic Human Aspirations. Right Understanding, Relationship and Physical Facilities- the basic requirements for fulfillment of aspirations of every human being with their correct priority. Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario. Method to fulfill the above human aspirations: understanding and living in harmony at various levels.

Unit II:

Understanding Harmony in the Human Being - Harmony in Myself! : Understanding human being as a co-existence of the sentient 'I' and the material 'Body'. Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha. Understanding the Body as an instrument of 'I' (I being the doer, seer and enjoyer). Understanding the characteristics and activities of 'I' and harmony in 'I'. Understanding the harmony of I with the Body: Sanyam and Swasthya; correct appraisal of Physical needs, meaning of Prosperity in detail. Programs to ensure Sanyam and Swasthya.

Unit III:

Understanding Harmony in the Family and Society- Harmony in Human - Human Relationship : Understanding harmony in the Family- the basic unit

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of human interaction. Understanding values in human-human relationship; meaning of Nyaya and program for its fulfillment to ensure Ubhay-tripti; **Trust (Vishwas) and Respect (Samman) as the foundational values of relationship.** Understanding the meaning of Vishwas; Difference between intention and competence. Understanding the meaning of Samman, Difference between respect and differentiation; the other salient values in relationship. Understanding the harmony in the society (society being an extension of family): Samadhan, Samridhi, Abhay, Sah-astitva as comprehensive Human Goals. Visualizing a universal harmonious order in society- Undivided Society (Akhand Samaj), Universal Order (Sarvabhaum Vyawastha)- from family to world family!

Unit IV:

Understanding Harmony in the Nature and Existence. Whole existence as Co-existence : Understanding the harmony in the Nature. Interconnectedness and mutual fulfillment among the four orders of nature- recyclability and self-regulation in nature. Understanding Existence as Co-existence (Sah-astitva) of mutually interacting units in all-pervasive space. Holistic perception of harmony at all levels of existence.

Unit V:

Implications of the above Holistic Understanding of Harmony on Professional Ethics : Natural acceptance of human values. Definitiveness of Ethical Human Conduct. Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order. Competence in professional ethics:

- Ability to utilize the professional competence for augmenting universal human order,
- Ability to identify the scope and characteristics of people-friendly and eco-friendly production systems,
- Ability to identify and develop appropriate technologies and management patterns for above production systems.

Case studies of typical holistic technologies, management models and production systems. Strategy for transition from the present state to Universal Human Order:

- At the level of individual: as socially and ecologically responsible engineers, technologists and managers.
- At the level of society: as mutually enriching institutions and organizations.

TEXT BOOKS

1. R R Gaur, R Sangal, G P Bagaria, 2009, A Foundation Course in Human Values and Professional Ethics.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

II Year B.Pharm - II Sem

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(R40016) ENVIRONMENTAL STUDIES

Objectives:

1. This course will give the importance of maintenance of ecological balance for sustainable development.
2. Understanding the impacts of developmental activities and mitigation measures.
3. Understanding of environmental policies and regulations

UNIT-I :

Ecosystems: Definition, Scope and Importance of ecosystem. Classification, structure and function of an ecosystem, Food chains, food webs and ecological pyramids. Flow of energy, Biogeochemical cycles, Bioaccumulation, Biomagnification, ecosystem value, services and carrying capacity, Field visits.

UNIT-II:

Natural Resources: Classification of Resources: Living and Non-Living resources, **water resources:** use and over utilization of surface and ground water, floods and droughts, Dams: benefits and problems. **Mineral resources:** use and exploitation, environmental effects of extracting and using mineral resources, **Land resources:** Forest resources, **Energy resources:** growing energy needs, renewable and non renewable energy sources, use of alternate energy source, case studies.

UNIT-III:

Biodiversity and Biotic Resources: Introduction, Definition, genetic, species and ecosystem diversity. Value of biodiversity; consumptive use, productive use, social, ethical, aesthetic and optional values. India as a mega diversity nation, Hot spots of biodiversity. Field visit. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts; conservation of biodiversity: In-Situ and Ex-situ conservation. National Biodiversity act.

UNIT-IV:

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Environmental Pollution and Control Technologies: Environmental Pollution & control: Classification of pollution, causes, effects and control technologies. **Air Pollution:** Primary and secondary pollutants, Automobile and Industrial pollution, Ambient air quality standards. **Water pollution:** Sources and types of pollution, drinking water quality standards. **Soil Pollution:** Sources and types, Impacts of modern agriculture, degradation of soil. **Noise Pollution:** Sources and Health hazards, standards, **Pollution**

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from Power projects, **Solid waste:** Municipal Solid Waste management, composition and characteristics of e-Waste and its management. **Pollution control technologies:** Wastewater Treatment methods: Primary, secondary and Tertiary, Air: Overview of air pollution control technologies, Concepts of bioremediation. Field visit. **Global Environmental Problems And Global Efforts:** Climate change and impacts on human environment. Ozone depletion and Ozone depleting substances (ODS). Deforestation and desertification. International conventions / Protocols: Earth summit, Kyoto protocol and Montréal Protocol.

UNIT-V:

Environmental Policy, Legislation & EIA: Environmental Protection act, Legal aspects Air Act- 1981, Water Act, Forest Act, Wild life Act, Municipal solid waste management and handling rules, biomedical waste management and handling rules, hazardous waste management and handling rules. EIA: EIA structure, methods of baseline data acquisition. Overview on Impacts of air, water, biological and Socio-economical aspects. Strategies for risk assessment, Concepts of Environmental Management Plan (EMP). **Towards Sustainable Future:** Concept of Sustainable Development, Population and its explosion, Crazy Consumerism, Environmental Education, Urban Sprawl, Human health, Environmental Ethics, Concept of Green Building, Ecological Foot Print, Life Cycle assessment (LCA), Low carbon life style.

SUGGESTED TEXT BOOKS:

- 1 Textbook of Environmental Studies for Undergraduate Courses by Erach Bharucha for University Grants Commission.
- 2 Environmental Studies by R. Rajagopalan, Oxford University Press.

REFERENCE BOOKS:

1. Environmental Science: towards a sustainable future by Richard T.Wright. 2008 PHL Learning Private Ltd. New Delhi.
2. Environmental Engineering and science by Gilbert M.Masters and Wendell P. Ela .2008 PHI Learning Pvt.Ltd.
3. Environmental Science by Daniel B.Botkin & Edward A.Keller, Wiley INDIA edition.
4. Environmental Studies by Anubha Kaushik, 4th Edition, New age international publishers.
5. Text book of Environmental Science and Technology - Dr. M. Anji Reddy 2007, BS Publications.

PROJECT TITLE LIST

Pharm D 5th yr BIT

Batch no	Name and roll no	College Guide	Hospital guide	Topic title
1	Rupa-16171T0015 Amulya-16171T0018 Vaishnavi-16171T0017 Pooja-16171T0005	Dr.Ascharya chinthalapati	Dr.Mounika Boppana	Single centre observational study to evaluate the incidence,severity,risk factors and efficacy of pharmacotherapy in management of taxane induced myalgia and arthralgias
2	laharika16171T0002 saisree-16171T0004 srija-16171T0012 keerthi-16171T0016	Dr.Arifa Begum	Dr.sethu babu	Patterns of sedation/anaesthesia gastrointestinal endoscopy practices in output setup
3	Shehenaaz-16171T0003 Kulsoom- 16171T0011 Sukaina -16171T0009 Qamar-16171T0020	Dr.Marina d'souza	Dr sarath Chandra mouli veeravalli Dr Shree Harsha	Evaluation of clinical profile, assessment of disease severity and treatment efficacy in spondyloarthritis patient.
4	Induja -16171T0013 Indrani -16171T0019 Manju - 16171T0001 Chiatanya-16171T0007	Dr.Shibnath kamila	Dr.Diwakar naidu	Comparision study of blood pressure in dialysis patients with and without RAAS inhibitors
5	Harshini-16171T0014 Maniramya- 16171T0010 Archana -16171T0008			

PROJECT TITLE LIST

Pharm D 5th yr BIT

6	Akhil -16171T0021 Naveen-16171T0026 Najam-15171T0023	Dr . Kezia sam	Dr mohammed sadiq azam Dr p gautam	Spectrum of use of ivabaridinies in patient admitted with acute cardiac conditions
8	Venu-16171T0028 Junaid-16171T0022 Pranav-16171T0024	Ramya sree	Dr jayasree	A study of assessment on monotherapy vs polytherapy vs combination therapy with botax in the management of chronic migraine
9	Aisha Ahmed - 19175T0001 Rukhaiya Asma - 19175T0002 Nandigama . sheeba Rani - 19175T0003 Azra Fathima - 19175T0004	Dr vijaya vani	Dr manas panighari Dr y.B.v.k chandrashekar	Outcome of high grade glioma patients at tertiary care centre



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY, HYDERABAD-500 085

PROCEEDINGS OF THE DIRECTOR OF EVALUATION

Procs.No.JNTUH/EB/M.Pharmacy September 2021/VV/2021, Dt:14.9.2021

Sub: JNTUH - Examinaton Branch-Appointment of External Examiner for conduct of Project Viva Voce -Orders-Issued.

ORDER

The Principal, Bharat Inst. of Technology, has sent the panel of external examiners for conducting project viva-voce examination in respect of M.Pharmacy Course students has requested the university to issue necessary orders appointing the external examiners. The following is the list of examiners appointed to conduct Project Viva-Voce Examination.

Name Of The Course & Panel Id	Hall Ticket No's	External Examiner Appointed
M.Pharmacy(01) Panel_Id : 17_S_4_122	19171S0104 19171S0105 19171S0101 19171S0102	Dr.Mehroon Farheen Professor, HOD, Shadans Womens college of Pharmacy mehnoorfharheen21@gmail.com 8121206032
M.Pharmacy(03) Panel_Id : 17_S_2_122	19171S0301 <i>dillippharma073@gmail.com</i>	Dr. Dilip Kumar Brahma Associate Professor, School of Pharmacy, Guru nanak Institution, Technical Campus. dillippharma073@gmail.com 9553613231
M.Pharmacy(15) Panel_Id : 17_S_1_122	19171S1502	Mr. Choda Pradeep Kumar (PhD) Associate Professor, Teegala Krishna Reddy College of Pharmacy, Medbowli, Hyd pharmacologypradeep@gmail.com 8121952454
M.Pharmacy(15) Panel_Id : 17_S_3_122	19171S1503	Dr.S.A.Sreenivas Principal, Sree Dattha Institute of Pharmacy, Sheriguda, Hyderabad. saieenu7@gmail.com 9393808082

The Principal is requested to arrange for conduct of viva-voce examination on or before 17/09/2021 in OFFLINE MODE, otherwise they have to resubmit the panel. Upload the project viva-MARKS to the JNTUH portal using URL: <http://registrations1.jntuh.ac.in/pgprojectthesis> and get it approve entered marks by your assigned examiner from their login.

TO
THE PRINCIPAL
Bharat Inst. of Technology

DIRECTOR OF EVALUATION

B.PHARM- PROJECT TITLE LIST '2021:

BATCH.NO	Roll Number	Guide Name	Project Title
1.	14171R0005	T. Beulah	Formulation and Evaluation of Docetaxel floating mucoadhesive microspheres
	17171R0001		
	17171R0002		
	17171R0003		
	17171R0004		
2.	14171R0025	Dr. Arifa Begum SK.	Insights on potential drug candidates against COVID 19 using Autodock Vina
	17171R0006		
	17171R0007		
	17171R0008		
	17171R0009		
3.	16171R0036	Dr. Vijaya Vani	Formulation Developmment and invitro Evaluation of Mometasone Emulgels
	17171R0010		
	17171R0011		
	17171R0012		
	17171R0013		
4.	16171R0052	Mrs. Haritha	Formulation and invitro Evaluation of frovatriptan fast dissolving tablets
	17171R0014		
	17171R0015		
	17171R0016		
	17171R0017		
5.	16171R0057	Mrs. Sangeetha	Synthesis and Evaluation of new Indole derivatives for antimicrobial activity
	17171R0018		
	17171R0019		
	17171R0020		
	17171R0021		
6.	17171R0022	Mrs. Namratha	Biological approach for synthesis of silver nano particles from citrullus lanatus and thespesiapopulnea seeds and its pharmaceutical application
	17171R0023		
	17171R0024		
	17171R0025		
	17171R0026		
7.	17171R0027	Dr. Sreedevi	Developmment and Validation of RP-HPLC method for the estimation of loperidone in Bulk and Tablet Dosage forms
	17171R0028		
	17171R0029		

8.	17171R0030	Je Rachel Nivedita	Formulation Developmmment and invitro Evaluation of Doxorubicin sustained release palanosertan ir release bilayer Tablets
	17171R0031		
	17171R0032		
	17171R0033		
	17171R0034		
9.	17171R0035	Ms. Pushpa Twila	A Study on Thyroid Dysfunction in Patients with ype-2 Diabetes –A prospective study
	17171R0036		
	17171R0037		
	17171R0038		
10.	17171R0039	Dr. P. Ramyasree	Formulation and Evaluation of floating microsphere loaded with capacetebine
	17171R0040		
	17171R0041		
	17171R0042		
11.	17171R0043	Dr. Marina Desouza	Marketing survey on Antidiabetic drugs, it's utility by Local area of Nagarkumool
	17171R0044		
	17171R0045		
	17171R0046		
12.	17171R0047	Mrs. Kabita Banik	Formulation Development and invitro evaluation of duloxetine transdermal patch
	17171R0048		
	17171R0049		
	17171R0050		
13.	17171R0051	Dr. Bhanu Prakash Arakareddy	Formulation and Evaluation of risperidone transdermal patches
	17171R0052		
	17171R0053		
	17171R0054		
14.	17171R0055	Dr. Sibnath Kamila	Formulation and Evaluation of transferozomal gels (Leflunomide).
	17171R0056		
	17171R0057		
	17171R0059		
15.	17171R0061	Dr. Ch. Ascharya	Formulation and invitro Evaluation of Topical Antifungal Gel-Miconazole
	17171R0062		
	17171R0063		
	17171R0064		
	17171R0065		

16.	17171R0066	Dr. Shital Patel	Comparison of Quality Control test of different brands containing Active Pharmaceutical ingredient.
	17171R0067		
	17171R0068		
	17171R0069		
17.	17171R0070	Mrs. Usharani	Insilico Molecular docking studies of new isatin derivatives as antibacterial agents.
	17171R0071		
	17171R0072		
	17171R0073		
18.	17171R0074	Dr. Kezia	An Evaluation of Mental Health status during the COVID pandemic
	17171R0075		
	17171R0076		
	17171R0077		
19.	17171R0078	Dr. Mrinmay Das	A Study on Benzimidazole derivatives and their various Pharmacological Effects
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	17171R0080		
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	17171R0080		
	16171R0076		

BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally. Ibrahimpatnam, R.R.Dist, Telangana

STUDENTS FEEDBACK FORM (AY: 2019-2020)

FEEDBACK ON CURRICULUM

Name of Student:

Yr/Sem:

Evaluation Scale				
1	2	3	4	5
Poor	Average	Good	Very Good	Excellent

Sl. No.	Parameters	1	2	3	4	5
1.	Curriculum load is optimum and induces no pressure.					
2.	Course outcomes and program outcomes are clearly stated.					
3.	Curriculum is effective in achieving in-depth knowledge and technical skills.					
4.	Assessment strategies are clearly stated.					
5.	Curriculum is reviewed and updated regularly.					
6.	Curriculum takes care of improving communication and presentation skills.					
7.	Website is informative and updated regularly with regard to curriculum.					

8. Curricular gap, if any (Any content which you feel would improve your personality/employability/entrepreneurial skills or prepare yourself to face challenges in life):

.....
.....

Signature of the Student

Vision

To build the nation's one among the best centers of excellence engaged in providing overall Pharmaceutical education including training and research. Bharat Institute of technology (pharmacy) firmly believes that right knowledge and ethical responsibility drives individual commitment for the service of mankind.

Mission

M1: To bring to students India's best education, as a combination of teaching theory and practical application of knowledge, and research in pharmaceutical sciences in order to train them to many positions of leadership and responsibility in the pharmaceutical industry, in academic and health care sector.

M2: To impart education, in a conducive ambience, as comprehensive as possible, with the support of modern technologies and pedagogic tools, and thereby develop in students the abilities and passions to work wisely, creatively and effectively for the betterment of the society.

M3: To impart a Value Based education, where the mind, body and the soul are holistically developed, and major purpose of life is seen by mankind and meeting the great challenges of the future.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally. Ibrahimpatnam, R.R.Dist, Telangana

EMPLOYER FEEDBACK FORM

Dear Sir/Madam,

We are in the process of collecting feedback of employers about the students who have completed their graduation from our college and the curriculum. Your feedback will be very valuable for us to enhance the quality of graduates and equip them to fulfill the needs of industry.

We will be grateful to you if you can spare some of your valuable time to fill this form.

Purpose: Evaluation of quality of Graduates by the External Stakeholders as a part of Continuous improvement program.

Name of Employee:

Designation:

Evaluation Scale				
1	2	3	4	5
<i>Poor</i>	<i>Average</i>	<i>Good</i>	<i>Very Good</i>	<i>Excellent</i>

Sl. No.	Parameters	1	2	3	4	5
1.	Technical / Subject knowledge and skill					
2.	Using technology and equipments at workplace					
3.	Open to new ideas and learning new technologies					
4.	Communication skill					
5.	Thinks analytically and critically while solving problems and making decisions					
6.	Ethical attitude with regard to job responsibilities					
7.	Planning and organizing skills					
8.	Working as a part of team					
9.	Ability to manage/ Leadership qualities					
10.	Involvement in social activities					

11. Suggestion to the University related to Course Curriculum considering above mentioned qualities of Employee (If any)

.....
.....

Signature of the Employer

Vision

To build the nation's one among the best centers of excellence engaged in providing overall Pharmaceutical education including training and research. Bharat Institute of technology (pharmacy) firmly believes that right knowledge and ethical responsibility drives individual commitment for the service of mankind.

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M3: To impart a Value Based education, where the mind, body and the soul are holistically developed, and major purpose of life is seen by mankind and meeting the great challenges of the future.



BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally. Ibrahimpatnam, R.R.Dist, Telangana

Academic Year: 2018-2019

TEACHERS FEEDBACK FORM

Name of Faculty:	Ujjayalaxmi
Department:	Chemistry
Class & Subject taught:	PCC-I

Select your ranking on the scale of 1 to 5 for each of the following parameters:

Evaluation Scale				
1	2	3	4	5
Poor	Average	Good	Very Good	Excellent

Sl. No.	Parameters	1	2	3	4	5
1.	The learning objectives are addressed effectively in the syllabus.				✓	
2.	The course outcomes are clear and appropriate to the needs of the syllabus.			✓		
3.	The timely coverage of the syllabus is possible in the mentioned no of hours.				✓	
4.	The curriculum and syllabus are well organized and easy to follow.				✓	
5.	The practical relates to the theory content.			✓		
6.	The recommended textbooks are adequate and map onto the syllabus.			✓		
7.	The provided assessments methods accurately measure student learning.				✓	
8.	It would be easy for a new teacher to teach this course.				✓	
9.	Your opinion about library holdings for the course.			✓		

10. Suggestion to the University regarding any content inclusion in the Course Curriculum (If any):

.....


 Signature of the Faculty

Vision

To build the nation's one among the best centers of excellence engaged in providing overall Pharmaceutical education including training and research. Bharat Institute of technology (pharmacy) firmly believes that right knowledge and ethical responsibility drives individual commitment for the service of mankind.

Mission

M1: To bring to students India's best education, as a combination of teaching theory and practical application of knowledge, and research in pharmaceutical sciences in order to train them to many positions of leadership and responsibility in the pharmaceutical industry, in academic and health care sector.

M2: To impart education, in a conducive ambience, as comprehensive as possible, with the support of modern technologies and pedagogic tools, and thereby develop in students the abilities and passions to work wisely, creatively and effectively for the betterment of the society.

M3: To impart a Value Based education, where the mind, body and the soul are holistically developed, and major purpose of life is seen by mankind and meeting the great challenges of the future.

BHARAT INSTITUTE OF TECHNOLOGY

Mangalpally. Ibrahimpatnam, R.R.Dist, Telangana

Academic Year: 2018-2019

TEACHERS FEEDBACK FORM

Name of Faculty:	Ms. T. Vijayalakshmi
Department:	Pharm. Chemistry
Class & Subject taught:	B.Pharm I yr - Phed Organic Chemistry

Select your ranking on the scale of 1 to 5 for each of the following parameters:

Evaluation Scale				
1	2	3	4	5
Poor	Average	Good	Very Good	Excellent

SL No.	Parameters	1	2	3	4	5
1.	The learning objectives are addressed effectively in the syllabus.			✓		
2.	The course outcomes are clear and appropriate to the needs of the syllabus.				✓	
3.	The timely coverage of the syllabus is possible in the mentioned no of hours.				✓	
4.	The curriculum and syllabus are well organized and easy to follow.				✓	
5.	The practical relates to the theory content.					✓
6.	The recommended textbooks are adequate and map onto the syllabus.				✓	
7.	The provided assessments methods accurately measure student learning.			✓		
8.	It would be easy for a new teacher to teach this course.				✓	
9.	Your opinion about library holdings for the course.				✓	

10. Suggestion to the University regarding any content inclusion in the Course Curriculum (If any):

N/A

Signature of the Faculty

Vision

To build the nation's one among the best centers of excellence engaged in providing overall Pharmaceutical education including training and research. Bharat Institute of technology (pharmacy) firmly believes that right knowledge and ethical responsibility drives individual commitment for the service of mankind.

Mission

M1: To bring to students India's best education, as a combination of teaching theory and practical application of knowledge, and research in pharmaceutical sciences in order to train them to many positions of leadership and responsibility in the pharmaceutical industry, in academic and health care sector.

M2: To impart education, in a conducive ambience, as comprehensive as possible, with the support of modern technologies and pedagogic tools, and thereby develop in students the abilities and passions to work wisely, creatively and effectively for the betterment of the society.

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BHARAT INSTITUTE OF TECHNOLOGY

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTU, Hyderabad)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510.
Ph : 08414-252265, Fax : 08414-252645, E-mail : bitpharm@yahoo.com

Ref.:

Ref:-BIT/MIN/Jan/2021

Date: 20-01-2021

MINUTES OF MEETING

The Meeting of Board of Governors of BHARAT INSTITUTE OF TECHNOLOGY Mangalpally (V), Ibrahimpatnam (M), R.R.Dist-501510 assembled at Mangalpally (V) campus on 20th January 2021 at 3:00 pm to discuss and take a decision on the following:-

1. Starting of the two Post Graduate Courses(M.Pharmacy-Pharmaceutical Chemistry & M.Pharmacy-Pharmaceutical Analysis) during the up-coming Academic Year 2021-2022 in the Bharat Institute of Technology.
2. Increase in intake to the three Post Graduate Courses i.e. Pharmaceutics, Pharmacy Practice, Pharmacology.
3. Changing the name of the Institution from " Bharat Institutte of Technology" at Mangalpally(V),Ibrahimpatnam(M), R.R Dist,Telangana-501510 to "Bharat Institute of Pharmacy" at Mangalpally(V),Ibrahimpatnam(M), R.R Dist,Telangana-501510.

The following were present:-

Sl. No	Name	Designation	Signature
01	Sri. Ch. Venugopal Reddy	Secretary & Correspondent of Bharat Institute of Technology	
02	Dr. G.K Viswanath	Representative from JNTUH, Hyderabad	
03	Mrs R. Purnima	Head Portfolio, Welding Pharma India	
04	Dr. Marina G.D'Souza	Associate Professor	
05	Dr. CH S Vijaya Vani	Associate Professor	
06	Dr. Mrinmay Das	Associate Professor	
07	Dr. Arifa Begum SK	Associate Professor	

It was unanimously accepted and the proposal was passed and decided to process the same. As there were no other points, the meeting was concluded.

PRINCIPAL
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam
R.R. Dist. Pin: 501510



20/01/2021
SECRETARY & CORRESPONDENT

Ch. Venugopal Reddy
Secretary & Correspondent



BHARAT INSTITUTE OF TECHNOLOGY

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTU, Hyderabad)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510.
Ph : 08414-252265, Fax : 08414-252645, E-mail : bitpharm@yahoo.com

Ref.:

Date: 20-01-2021

Minutes for the Executive Committee Meeting

In the meeting of the Executive committee members held on 20th January 2021 at the Chamber of the Chairman, unanimously passed resolution and placed it to the Governing Body for the ratification of the minutes. The minutes are as follows,

1. Starting of the two (2) nos. Post Graduate Courses (i) M. Pharmacy- Pharmaceutical Chemistry - 15 intakes (ii) M. Pharmacy- Pharmaceutical Analysis - 15 intakes during the up-coming Academic Year 2021-2022 in the Bharat Institute of Technology has been adopted and approved.

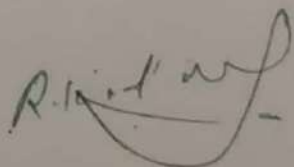
2. Increase Intakes to the three (3) nos. Post Graduate Courses (i) M. Pharmacy- Pharmaceutics from 12 to 15 (ii) M. Pharmacy- Pharmacy Practice from 06 to 15 (iii) M. Pharmacy- Pharmacology from 06 to 15 during the up-coming Academic Year 2021-2022 in the Bharat Institute of Technology has been adopted and approved.

3. Changing the name of the Institution from "Bharat Institute of Technology" to "Bharat Institute of Pharmacy" with address Mangalpally (vill), Ibrahimpatnam (M), Ranga Reddy (Dist.), Telangana-501510 has been adopted and approved.

Whereas, the members are also decided to allocate required funds for the creation of the requisite facilities such as, additional Carpet area, Built-up area, procurement of required faculty, procurement of the equipment, furniture and other required entities as applicable for the smooth functioning of the same.


Signature
Chairman/Secretary

Ch. Venugopal Reddy
Secretary & Correspondent





BHARAT INSTITUTE OF TECHNOLOGY

MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

Report on Certificate course Program

The Following Students has undergone certificate program on "Communication Skill Development" from 01/06/2021 to 11/06/2021 during the academic year of 2020-2021.

The Students had attended the certificate program under the guidance of **Ms. Anupama.**

After successful completion of this one week program, certificate had been issued to the students.

S.No	Roll No	Student Name
1	20171R0009	Bathula Shivani
2	20171R0010	Battula Bhanu Prakash
3	20171R0011	Baswapur Bhavani
4	20171R0012	Bolibattini Manisha
5	20171R0013	Bommasamudram Harshithaa
6	20171R0014	Bompelly Anjali
7	20171R0015	Boyapalli Ishwarya
8	20171R0016	Buthkur Akhila
9	20171R0017	Bykani Srikanth
10	20171R0018	Ch. Anil Kumar
11	20171R0019	Challa Sai Keerthana
12	20171R0020	Chennagoni Tulasi
13	20171R0021	Chiluka Mounika
14	20171R0022	Chindam Sushma
15	18171R0054	Railla Swathi
16	18171R0055	Rapelly.Rajeshwari
17	18171R0056	Rizwana Begum
18	18171R0057	S.Ranjith Reddy
19	18171R0058	Varaganti Saiprasanna
20	18171R0059	Shreeya Salunke
21	18171R0060	Sirigiri Bhargavi
22	18171R0061	Surigala Shiva Kumar
23	18171R0062	Surigi Pavan Kalyan
24	18171R0064	T Mallikharjuna Reddy
25	18171R0065	Thammali Siddhartha

Signature of Faculty





BHARAT INSTITUTE OF TECHNOLOGY

MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

Report on Certificate course Program

The Following Students has undergone certificate program on “Entrepreneurship development program” from 17/05/2021 to 22/05/2021 during the academic year of 2020-2021

The Students had attended the certificate program under the guidance of **Dr. Mrinmoy Das**.

After successful completion of this one week program, certificate had been issued to the students.

S.No	Roll No	Student Name
1.	18171R0045	Mudavath Pooja
2.	18171R0046	Mummadi Swathi
3.	18171R0047	Nadeem
4.	18171R0048	Pandiri Pavithra
5.	18171R0049	Pampari.Jagannath
6.	18171R0050	Pandi Jhansi
7.	18171R0051	Pasham Mahesh Reddy
8.	19171R0026	D Akhila
9.	19171R0027	Elsavath Mounika
10.	19171R0028	Ettamoni Priyanka
11.	19171R0029	Golla Nagesh
12.	19171R0030	Gaddam Vigneshwar
13.	19171R0031	Ganji Srikanth
14.	19171R0032	Gannu Anvitha
15.	19171R0033	Gayakawada Yamini
16.	19171R0034	Gudupally Deepika
17.	20171R0001	Alle Vamshi Krishna
18.	20171R0002	Ambilpur Nandini
19.	20171R0003	Anusha Nenavath
20.	20171R0004	B.Sony
21.	20171R0005	Badella Varshini
22.	20171R0006	Bairee Priyanka
23.	20171R0007	Bakka Nissi
24.	20171R0008	Bandi Avinash Goud
25.	17171R0040	Kurnala Laya

Signature of Faculty





BHARAT INSTITUTE OF TECHNOLOGY

MANGALPALLY, IBRAHIMPATNAM, HYDERABAD

Report on Certificate course Program

The Following Students has undergone certificate program on “Communication Skill Development (CSD)” from 24/05/2021 to 29/05/2021 during the academic year of 2020-2021.

The Students had attended the certificate program under the guidance of Ms S Aupama.

After successful completion of this one week program, certificate had been issued to the students.

S.No	Roll No	Student Name
1.	19171R0016	Byroju Ramya
2.	19171R0017	Ch.Praveen Kumar
3.	19171R0018	Chandhulawar Yogesh
4.	19171R0019	Chigurla Akhila
5.	19171R0020	Chikkonda Shivakrishna
6.	19171R0021	Chilukuri Sathwika
7.	19171R0022	Chityala Shivani
8.	19171R0023	D.Sreeja
9.	17171R0074	Thalari Chaithanya
10.	17171R0075	Thumala Vinay Sree
11.	17171R0077	Vadlakonda Sruthi
12.	17171R0078	Valsa Sai Teja
13.	17171R0079	Vasupula Pooja Kumari
14.	17171R0080	Kommarajula Vijay Kumar
15.	17171R0001	A Sindhu
16.	18171R0002	Ardha Jashwanth Reddy
17.	18171R0003	Akki Reddy Kalyani
18.	18171R0004	Amula .Swetha
19.	18171R0005	Arulmoli Janani
20.	18171R0006	Ayesha Jabeen
21.	18171R0007	B.Shiva Prasad
22.	18171R0040	Mohammad Wajeed
23.	18171R0041	Merreddy Vamshidhar Reddy
24.	18171R0042	Mergi Anil Joshi
25.	18171R0043	Moreddy Shiva Kumar

Signature of Faculty





BHARAT INSTITUTE OF TECHNOLOGY

APPROVED BY PCI & AICTE
Mangalpally; Ibrahimpatnam, Telangana, 501510



CONGRATULATIONS E-CERTIFICATE OF PARTICIPATION

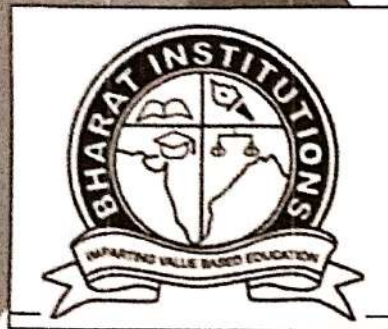
Mr. Ardha Jashwanth Reddy

*has Participated and successfully completed the **Certificate Course Program** on
“**Communication Skill Development (CSD)**” held from 24/05/2021 to
29/05/2021 organized by **Department of Pharmacy, Bharat Institute of
Technology.***

TRAINING CO-ORDINATOR

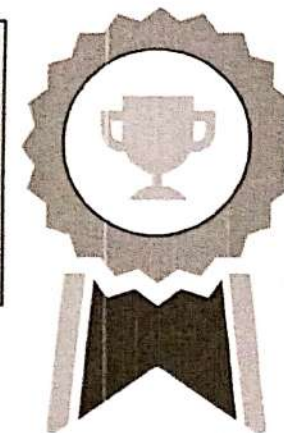
PRINCIPAL





BHARAT INSTITUTE OF TECHNOLOGY

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Mangalpally; Ibrahimpatnam, Telangana, 501510



CONGRATULATIONS E-CERTIFICATE OF PARTICIPATION

Ms. B.M.Jothsnavi

has Participated and successfully completed the ***Certificate Course Program*** on
“Personality and Life Skill Development” held from 17/05/2021 to
22/05/2021 organized by ***Department of Pharmacy, Bharat Institute of
Technology.***

TRAINING CO-ORDINATOR

PRINCIPAL



BHARAT INSTITUTE OF TECHNOLOGY

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Mangalpally; Ibrahimpatnam, Telangana, 501510



CONGRATULATIONS E-CERTIFICATE OF PARTICIPATION

Ms. Buthkur Akhila

*has Participated and successfully completed the **Certificate Course Program** on
“**Communication Skill Development**” held from 01/06/2021 to 11/06/2021
organized by **Department of Pharmacy, Bharat Institute of Technology.***

TRAINING CO-ORDINATOR

PRINCIPAL





BHARAT INSTITUTE OF TECHNOLOGY

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Mangalpally; Ibrahimpatnam, Telangana, 501510



CONGRATULATIONS E-CERTIFICATE OF PARTICIPATION

Ms. Vemula Spandana

*has Participated and successfully completed the **Certificate Course Program** on
“**Entrepreneurship development program**” held from 17/05/2021 to
22/05/2021 organized by **Department of Pharmacy, Bharat Institute of
Technology.***

TRAINING CO-ORDINATOR

PRINCIPAL





BHARAT INSTITUTE OF TECHNOLOGY (BIT)
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Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501510
Accredited by NAAC

EAMCET CODE : BITL

1.2.2 Number of Add on /Certificate programs offered during the year

1.2.3 Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
NATIONAL SERVICE SCHEME	B pharm	2021	1	30	32	32
personality and life skill development	B pharm,	2021	2	60	25	25
enterpreneurship development program	B-pharm	2021	1	30	25	25
cancer readiness	B-pharm, pharm-D	2021	1	30	38	38
pharmacovigilence training	B-pharm, pharm-D	2020	1	30	35	35
medical coding billing training	B-pharm, pharm-D	2021	1	30	30	30

PRINCIPAL
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Mangalpally (V), Ibrahimpatnam
Dist - 501510
principal.bit@bit.ac.in, 9640909041





BHARAT INSTITUTE OF TECHNOLOGY (BIT)

Approved by AICTE, Pharmacy Council of India and Affiliated to JNTUH.
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Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501510
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EAMCET CODE : BITL

1.2.1 Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system	Link to the relevant document
B-PHARM	B-PHARM	2009	YES	2009	

P. PRINCIPAL
Principal
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M)
Ranga Reddy District - 501510
Phone: 080-26611111, 080-26611112



BHARAT INSTITUTE OF TECHNOLOGY (BIT)
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 Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501510
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EAMCET CODE : BITL

1.2.2 Number of Add on /Certificate programs offered during the year

1.2.3 Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
NATIONAL SERVICE SCHEME	B pharm	2021	1	30	32	
personality and life skill development	B pharm,	2021	2	60	25	
entrepreneurship development program	B-pharm	2021	1	30	25	
cancer readiness	B-pharm, pharm-D	2021	1	30	38	
pharmacovigilance training	B-pharm, pharm-D	2020	1	30	35	
medical coding billing training	B-pharm, pharm-D	2021	1	30	30	

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EAMCET CODE : BITL

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship	Link to the relevant document
B-PHARM	UG	PROJECT	UG	2020-21	PROJECT	
PHARM-D	PG	INTERNSHIP	PG	2020-21	INTERNSHIP	
M-PHARM	PG	PROJECT	PG	2020-21	PROJECT	

[Signature]
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Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501510
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EAMCET CODE : BITL

1.3.3 Number of students undertaking project work/field work/ internships

Programme name	Program Code	List of students undertaking project work/field work/internship	Link to the relevant document
B PHARM	UG	83	
PHARM-D	PG	25	
M-PHARM	PG	7	

* To check with SOP if the same student can be counted more than once

P. PRINCIPAL
PRINCIPAL
Bharat Institute of Technology
Mangalpally (V), Ibrahimpatnam (M)
R. R. Dist. Pin- 501510
principal.bit@biet.ac.in, 9640909041





BHARAT INSTITUTE OF TECHNOLOGY (PHARMACY)

(Approved by AICTE & PCI, New Delhi and Affiliated to JNTU, Hyderabad)
Sponsored by : CHINTA REDDY MADHUSUDHAN REDDY EDUCATIONAL SOCIETY
Mangalpally (Village), Ibrahimpatnam (Mandal), Ranga Reddy District - 501 510.
Ph : 08414-252265, Fax : 08414-252645, E-mail : bitpharm@yahoo.com

Ref.: BIT/AICTE/MAR/2022-20

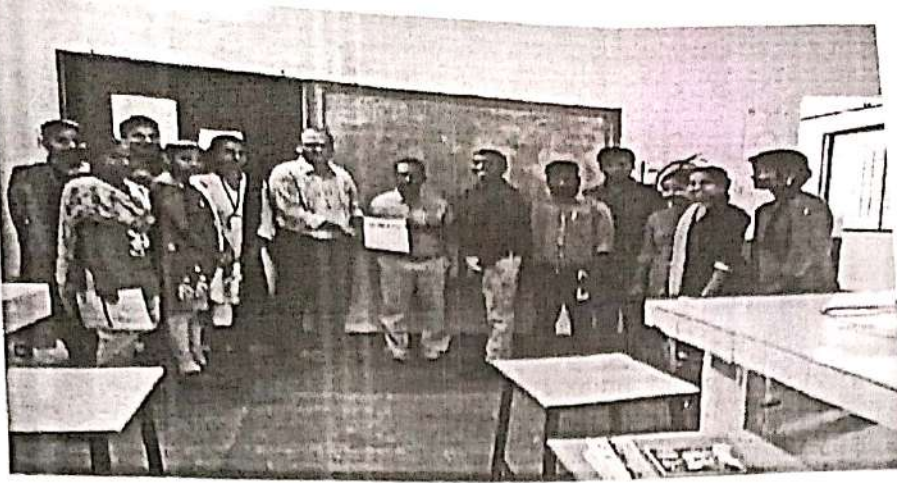
DATE: 05/03/2022

INDUSTRIAL TRAINING

**BHARAT INSTITUTE OF TECHNOLOGY (PHARMACY) HAVING MOU
(MEMORANDUM OF UNDERSTANDING) WITH FOLLOWING COMPANIES FOR
INDUSTRIAL TRAINING & PLACEMENTS GUIDANCE**

S. No.	Pharmaceutical Company/ Industry
1	Akshaj Molecular Research Pvt., Ltd., Nacharam, Hyderabad, Date: 25-03-2017
2	Jupitor Formulations, IDA – Bhongir, Hyderabad, Date: 09-03-2015
3	Sanjeevani Bio Services Pvt., Ltd., Ameerpeth, Hyderabad, Date: 02-03-2019
4	Sura Pharma Labs, Dilsukh Nagar, Hyderabad, Date: 07-02-2019
5	Nishka Research Pvt., Ltd., Hyderabad, Date: 19-02-2019





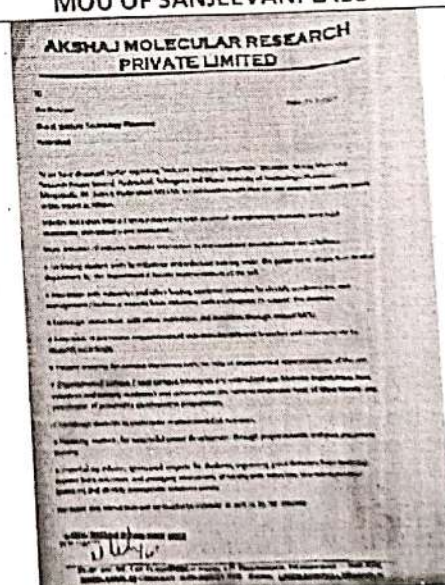
MOU OF NISKHA LABS



MOU OF SANJEEVANI LABS



MOU OF SURA LABS



MOU OF AKSHAJ MOLECULAR RESEARCH



Principal
PRINCIPAL
 Bharat Institute of Technology
 Mangalpally (V), Ibrahimpatnam (M)
 R.R. Dist. Pin: 501510



తెలంగాణ తెలంగాణ TELANGANA

8061 09672021
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MOU Rb Mangalpally

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E. G. B. L. XMI
Consent Stamp Vendor
License No: 15-03-006/2012
Renewal No: 15-03-046/2021
H. No. 1, P. O. Mangalpally, Telangana
K. R. Reddy Dist. T.S. 501 505
Cell: 9959133519.

MEMORANDUM OF UNDERSTANDING

This MOU is made and entered on 16th Aug' 2021 in continuation of our earlier MOU made on 14th Aug. 2008 and revised on 9th Dec' 2010.

BETWEEN

Krishna Institute of Medical Sciences Ltd. 1-8-31/1, Minister Road, Secunderabad-03 hereafter called, as KIMS represented by Prof. (Dr) P. Raja Gopal, Director, Medical Education hereafter called as 'First Party'.

And

Bharat Institute of Technology, Mangalpally (Post), Ibrahimpatnam (Mandal), Ranga Reddy (District), Telangana- 501510 sponsored by Chinta Reddy Madhusudhan Reddy Educational Society, hereafter called as BIT, represented by Mr. Ch. Venugopal Reddy Secretary & Correspondent hereafter called as 'Second Party'.



ATTESTED
MD. SAMI UDDIN
B.Sc., LL.B.
ADVOCATE & NOTARY
(Appointed by the Govt. of T.S.)
Telephone Colony, Kothapet, Hyderabad

Ch. Venugopal Reddy
Ch. Venugopal Reddy
Secretary & Correspondent

Dr. P. Raja Gopal
Dr. P. RAJA GOPAL
B.Sc., MBBS, MS, MCh, MNAMS(CTS), FIAS
Director, Medical Education
Krishna Institution of Medical Sciences Ltd
Minister Road, Secunderabad-500 003

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. PHARMACY COURSE STRUCTURE AND I & II YEARS SYLLABUS

Effective from Academic Year 2022-23 Admitted Batch

I Year I semester

S. No	Course Code	Subject	L	T	P	Credits
1	PS101	Human Anatomy and Physiology I	3	1	-	4
2	PS102	Pharmaceutical Analysis I	3	1	-	4
3	PS103	Pharmaceutics	3	1	-	4
4	PS104	Pharmaceutical Inorganic Chemistry	3	1	-	4
5	HS105	Communication skills	2	-	-	2
6	BS106/BS107	Remedial Biology [#] / Remedial Mathematics [§]	2 [#] /3 [§]	-	-	2 [#] /3 [§]
7	PS108	Human Anatomy and Physiology-I lab	-	-	4	2
8	PS109	Pharmaceutical Analysis I lab	-	-	4	2
9	PS110	Pharmaceutics lab	-	-	4	2
10	PS111	Pharmaceutical Inorganic Chemistry lab	-	-	4	2
11	HS112	Communication skills lab	-	-	2	1
12	BS113	Remedial Biology lab	-	-	2	1
Total			16/17	4	20	30[#]/30

[#]Applicable ONLY for the students who have studied Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

[§]Applicable ONLY for the students who have studied Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.

I Year II semester

S. No	Course Code	Subject	L	T	P	Credits
1	PS201	Human Anatomy and Physiology II	3	1	-	4
2	PS202	Pharmaceutical Organic Chemistry-I	3	1	-	4
3	BS203	Biochemistry	3	1	-	4
4	BS204	Pathophysiology	3	-	-	3
5	CS205	Computer Applications in Pharmacy	-	-	4	2
6	PS206	Human Anatomy and Physiology II lab	-	-	4	2
7	PS207	Pharmaceutical Organic Chemistry-I Lab	-	-	4	2
8	BS208	Biochemistry lab	-	-	2	1
9	CS209	Computer Applications in Pharmacy lab	-	-	-	-
10	*MC200	NSS	-	-	-	-
Total			15	4	14	26

II YEAR I SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PS301	Pharmaceutical Organic Chemistry-II	3	1	0	4
2	PS302	Physical Pharmaceutics-I	3	1	0	4
3	BS303	Pharmaceutical Microbiology	3	1	0	4
4	PC304	Pharmaceutical Engineering	3	1	0	4
5	PS305	Pharmaceutical Organic Chemistry-II Lab	0	0	4	2
6	PS306	Physical Pharmaceutics-I Lab	0	0	4	2
7	BS307	Pharmaceutical Microbiology Lab	0	0	4	2
8	PC308	Pharmaceutical Engineering Lab	0	0	0	0
10	*MC300	NSO	-	-	-	-
Total Credits			12	04	16	24

II YEAR II SEMESTER

S. No	Course Code	Course Title	L	T	P	Credits
1	PS401	Pharmaceutical Organic Chemistry-III	3	1	0	4
2	PC402	Physical Pharmaceutics-II	3	1	0	4
3	PS403	Pharmacology-I	3	1	0	4
4	PC404	Pharmacognosy and Phytochemistry-I	3	1	0	4
5	PS405	Pharmaceutical Jurisprudence	0	0	4	2
6	PC406	Physical Pharmaceutics-II Lab	0	0	4	2
7	PS407	Pharmacology-I Lab	0	0	4	2
8	PC408	Pharmacognosy and Phytochemistry-I Lab	1	0	0	0
9	*MC400	Gender Sensitization Lab	16	05	12	26
Total Credits						

III Year I Semester

S. No.	Course Code	Course Title	L	T	P	Credits
1	PS501	Medicinal Chemistry I	3	1	0	4
2	PS502	Industrial Pharmacy - I	3	1	0	4
3	PS503	Pharmacology II	3	1	0	4
4	PS504	Pharmacognosy and Phytochemistry - II	3	1	0	4
5	PS505	Open Elective - I				
	PS506	I. Generic Product Development				
	PS507	II. Green Chemistry				
	PS508	III. Cell and Molecular Biology				
	PS508	IV. Cosmetic science	0	0	4	2
6	PC509	Medicinal Chemistry I Lab	0	0	4	2
7	PS510	Industrial Pharmacy - I lab	0	0	4	2
8	PS511	Pharmacology - II lab	0	0	4	2
9	PS512	Pharmacognosy and Phytochemistry - II lab	1	0	0	0
10	*MC500	Environmental sciences				
Total			16	05	16	28

III Year II Semester

S. No.	Course Code	Course Title	L	T	P	Credits
1	PS601	Medicinal Chemistry - II	3	1	0	4
2	PS602	Pharmacology - III	3	1	0	4
3	PS603	Herbal Drug Technology	3	1	0	4
4	PS604	Biopharmaceutics and Pharmacokinetics	3	1	0	4
5	PS605	Open Elective - II				
	PS606	I. Pharmaceutical Quality Assurance				
	PS607	II. Pharmaceutical Biotechnology				
	PS608	III. Bioinformatics				
	PS608	IV. Screening Methods in Pharmacology	0	0	4	2
6	PS609	Medicinal chemistry - II lab	0	0	4	2
7	PS610	Pharmacology - III lab	0	0	4	2
8	PS611	Herbal Drug Technology lab	0	0	4	2
9	PS612	Biopharmaceutics and Pharmacokinetics Lab	1	0	0	0
10	*MC600	Human Values and Professional Ethics				
Total			16	05	16	28

IV Year I Semester

S.No	Course Code	Course Title	L	T	P	Credits
1	PS701	Instrumental Methods of Analysis	3	1	0	4
2	PS702	Industrial Pharmacy-II	3	1	0	4
3	PS703	Pharmacy Practice	3	1	0	4
4	PS704	Medicinal Chemistry - III	3	1	0	4
5	PS705	Open Elective - III				
		i. Pharmaceutical Marketing				

R22 B.Pharmacy I & II Year

	PS706	ii. Pharmaceutical Regulatory Science				
	PS707	iii. Pharmacovigilance				
	PS708	iv. Quality Control and Standardization of Herbals	0	0	4	2
6	PS709	Instrumental Methods of Analysis Lab	0	0	4	2
7	PS710	Practice School	0	0	4	2
8	PS711	Industrial Training				
Total			15	5	12	26

IV Year II Semester

S.No	Course Code	Course Title	L	T	P	Credits
1	PS801	Biostatistics and Research Methodology	3	1	0	4
2	PS802	Social and Preventive Pharmacy	3	1	0	4
3	PS803	Novel Drug Delivery System	3	1	0	4
4		Open Elective - IV	3	1	0	4
	PS804	i. Computer Aided Drug Design				
	PS805	ii. Nano Technology				
	PS806	iii. Experimental Pharmacology				
	PS807	iv. Advanced Instrumentation Techniques				
5	PS808	Novel Drug Delivery System Lab	0	0	4	2
6		Project Work	0	0	6	3
Total			12	4	10	21

*MC - Mandatory Course - Satisfactory/ Unsatisfactory.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.PHARMACY (PHARMACEUTICS / PHARMACEUTICAL TECHNOLOGY)

R19 COURSE STRUCTURE AND SYLLABUS
Effective from Academic Year 2019-20 Admitted Batch

I YEAR I Semester

Course Code	Course Title	L	T	P	Credits
Professional Core-I	Modern Pharmaceutics-I	3	0	0	3
Professional Core-II	Applied Biopharmaceutics and Pharmacokinetics	3	0	0	3
Professional Elective-I	1. Advanced Physical Pharmaceutics 2. Drug Regulatory affairs 3. Total Quality Management	3	0	0	3
Professional Elective-II	1. Cosmetics and Cosmeceuticals 2. Pharmaceutical Validation 3. Stability of Drugs and Dosage Forms	3	0	0	3
MC	Research methodology and IPR	2	0	0	2
Laboratory- I	Modern Pharmaceutics – I Lab	0	0	4	2
Laboratory- II	Applied Biopharmaceutics and Pharmacokinetics Lab	0	0	4	2
Audit	Audit Course- I	2	0	0	0
TOTAL		16	0	8	18

I YEAR II Semester

Course Code	Course Title	L	T	P	Credits
Professional Core-III	Modern Pharmaceutics-II	3	0	0	3
Professional Core-IV	Advanced Drug Delivery Systems	3	0	0	3
Professional Elective-III	1. Industrial Pharmacy 2. Herbal Cosmetics 3. Pharmaceutical Management	3	0	0	3
Professional Elective-IV	1. Nano based Drug Delivery Systems 2. Nutraceuticals 3. Clinical Research and Pharmacovigilance	3	0	0	3
Laboratory- III	Modern Pharmaceutics – II Lab	0	0	4	2
Laboratory- IV	Advanced Drug Delivery System Lab	0	0	4	2
--	Mini project with seminar	2	0	0	2
Audit	Audit Course- II	2	0	0	0
Total		16	0	8	18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.PHARMACY (PHARMACY PRACTICE)

R19 COURSE STRUCTURE AND SYLLABUS
Effective from Academic Year 2019-20 Admitted Batch

I YEAR I Semester

Course Code	Course Title	L	T	P	Credits
Professional Core-I	Pharmacotherapeutics – I	3	0	0	3
Professional Core-II	Clinical Pharmacy Practice	3	0	0	3
Professional Elective-I	1. Clinical Toxicology 2. Hospital and Community Pharmacy 3. Clinical Research and Pharmacovigilance	3	0	0	3
Professional Elective-II	1. Molecular Biology 2. Advances in Preclinical Evaluation 3. Drug Regulatory Affairs	3	0	0	3
MC	Research methodology and IPR	2	0	0	2
Laboratory-I	Pharmacotherapeutics – I Lab	0	0	4	2
Laboratory-II	Clinical Pharmacy Practice Lab	0	0	4	2
Audit	Audit Course - I	2	0	0	0
TOTAL		16	0	8	18

I YEAR II Semester

Course Code	Course Title	L	T	P	Credits
Professional Core-III	Pharmacotherapeutics – II	3	0	0	3
Professional Core-IV	Clinical Pharmacokinetics and Drug monitoring	3	0	0	3
Professional Elective-III	1. Biopharmaceutics and Pharmacokinetics 2. Clinical Research 3. Quality use of Medicines	3	0	0	3
Professional Elective-IV	1. Principles of Drug Discovery 2. Cellular and molecular pharmacology 3. Nutraceuticals	3	0	0	3
Laboratory- III	Pharmacotherapeutics – II Lab	0	0	4	2
Laboratory- IV	Clinical Pharmacokinetics and Drug monitoring Lab	0	0	4	2
--	Mini Project with Seminar	2	0	0	2
Audit	Audit Course- II	2	0	0	0
Total		16	0	8	18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.PHARMACY (PHARMACOLOGY)

COURSE STRUCTURE AND SYLLABUS
Effective from Academic Year 2019-20 Admitted Batch

I YEAR I Semester

Course Code	Course Title	L	T	P	Credits
Professional Core-I	Advanced Pharmacology – I	3	0	0	3
Professional Core-II	Clinical Pharmacology and Pharmacotherapeutics	3	0	0	3
Professional Elective-I	1. Pharmacokinetics and Drug Metabolism 2. Clinical Research and Pharmacovigilance 3. Principles of Drug Discovery	3	0	0	3
Professional Elective-II	1. Animal cell cultures and applications 2. Molecular Biology 3. Principles of Toxicology	3	0	0	3
MC	Research Methodology and IPR	2	0	0	2
Laboratory-I	Advanced Pharmacology - I Lab	0	0	4	2
Laboratory-II	Clinical Pharmacology and Pharmacotherapeutics Lab	0	0	4	2
Audit	Audit Course - I	2	0	0	0
TOTAL		16	0	8	18

I YEAR II Semester

Course Code	Course Title	L	T	P	Credits
Professional Core-III	Advanced Pharmacology- II	3	0	0	3
Professional Core-IV	Pharmacological Screening Methods and Toxicology	3	0	0	3
Professional Elective-III	1. Quality Use of Medicines 2. Pharmacoepidemiology and Pharmacoeconomics 3. Advanced Drug Delivery Systems	3	0	0	3
Professional Elective-IV	1. Pharmaceutical Management 2. Nutraceuticals 3. Pharmacokinetic and therapeutic drug monitoring	3	0	0	3
Laboratory-III	Advanced Pharmacology – II Lab	0	0	4	2
Laboratory-IV	Pharmacological Screening Methods and Toxicology lab	0	0	4	2
--	Mini project with seminar	2	0	0	2
Audit	Audit Course – II	2	0	0	0
TOTAL		16	0	8	18

b) Pharm.D. (Post Baccalaureate) Course -

A pass in B.Pharm from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act:

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

5. Number of admissions in the above said programmes shall be as prescribed by the Pharmacy Council of India from time to time and presently be restricted as below –
 - i) Pharm.D. Programme – 30 students.
 - ii) Pharm.D. (Post Baccalaureate) Programme – 10 students.
6. Institutions running B.Pharm programme approved under section 12 of the Pharmacy Act, will only be permitted to run Pharm.D. programme. Pharm.D. (Post Baccalaureate) programme will be permitted only in those institutions which are permitted to run Pharm.D. programme.
7. Course of study. – The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subject for its teaching in theory, practical and tutorial shall not be less than that noted against it in columns (3), (4) and (5) below.

T A B L E S

First Year :

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
1.1	Human Anatomy and Physiology	3	3	1
1.2	Pharmaceutics	2	3	1
1.3	Medicinal Biochemistry	3	3	1
1.4	Pharmaceutical Organic Chemistry	3	3	1
1.5	Pharmaceutical Inorganic Chemistry	2	3	1
1.6	Remedial Mathematics/ Biology	3	3*	1
	Total hours	16	18	6 = (40)

* For Biology

Second Year:

S.No	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
2.1	Pathophysiology	3	-	1
2.2	Pharmaceutical Microbiology	3	3	1
2.3	Pharmacognosy & Phytopharmaceuticals	3	3	1
2.4	Pharmacology-I	3	-	1
2.5	Community Pharmacy	2	-	1
2.6	Pharmacotherapeutics-I	3	3	1
	Total Hours	17	9	6 = 32

Third Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
3.1	Pharmacology-II	3	3	1
3.2	Pharmaceutical Analysis	3	3	1
3.3	Pharmacotherapeutics-II	3	3	1
3.4	Pharmaceutical Jurisprudence	2	-	-
3.5	Medicinal Chemistry	3	3	1
3.6	Pharmaceutical Formulations	2	3	1
	Total hours	16	15	5 = 36

Fourth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical/ Hospital Posting	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
4.1	Pharmacotherapeutics-III	3	3	1
4.2	Hospital Pharmacy	2	3	1
4.3	Clinical Pharmacy	3	3	1
4.4	Biostatistics & Research Methodology	2	-	1
4.5	Biopharmaceutics & Pharmacokinetics	3	3	1
4.6	Clinical Toxicology	2	-	1
	Total hours	15	12	6 = 33

Fifth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Hospital posting*	No. of hours of Seminar
(1)	(2)	(3)	(4)	(5)
5.1	Clinical Research	3	-	1
5.2	Pharmacoepidemiology and Pharmacoeconomics	3	-	1
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	-	1
5.4	Clerkship *	-	-	1
5.5	Project work (Six Months)	-	20	-
	Total hours	8	20	4 = 32

* Attending ward rounds on daily basis.



Sixth Year:

Internship or residency training including postings in speciality units. Student should independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other speciality departments

8. Syllabus. – The syllabus for each subject of study in the said Tables shall be as specified in Appendix -A to these regulations.

9. Approval of the authority conducting the course of study. – (1) No person, institution, society or university shall start and conduct Pharm.D or Pharm.D. (Post Baccalaureate) programme without the prior approval of the Pharmacy Council of India.

(2) Any person or pharmacy college for the purpose of obtaining permission under sub-section (1) of section 12 of the Pharmacy Act, shall submit a scheme as prescribed by the Pharmacy Council of India.

(3) The scheme referred to in sub-regulation (2) above, shall be in such form and contain such particulars and be preferred in such manner and be accompanied with such fee as may be prescribed:

Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching in regard to building, accommodation, labs., equipments, teaching staff, non-teaching staff, etc., as specified in Appendix-B to these regulations.

10. Examination. – (1) Every year there shall be an examination to examine the students.

(2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination.

(3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables below :

T A B L E S

First Year examination :

S.No.	Name of Subject	Maximum marks for Theory			Maximum marks for Practicals		
		Examination	Sessional	Total	Examination	Sessional	Total