

Indore Institute of Pharmacy


Index

2.3.1. Student-centric methods, such as experiential learning, participative learning, and problem-solving methodologies are used for enhancing learning experiences using ICT tools

Sr. No.	Particular	Page number
Experiential learning		
1	Laboratory-Based Experiments	1
2	Industrial Training	14
3	Industrial and Field visits	22
4	Project Work	32
5	Practice Schools	45
6	Workshops	54
7	Industry-based projects	67
8	Sophisticated analytical facility	74
Participative learning		
9	Students presentation in various competitions and conferences	78
10	Group discussions and Mock interview sessions	139
11	Flashcards	147
12	Student publications	155
13	Whatsapp groups	169
14	Google Classroom Platforms	176
15	Coursera / SWAYAM / NPTEL Courses	188
Problem-solving methodologies		
16	ICT tools	243

QUALITY ASSURANCE PRACTICAL – II PRACTICALS
(MQA 205P)

1. Organic contaminants residue analysis by HPLC
2. Estimation of Metallic contaminants by Flame photometer
3. Identification of antibiotic residue by TLC
4. Estimation of Hydrogen Sulphide in Air.
5. Estimation of Chlorine in Work Environment.
6. Sampling and analysis of SO₂ using Colorimetric method
7. Qualification of following Pharma equipment
 - a Autoclave
 - b Hot air oven
 - c Powder Mixer (Dry)
 - d Tablet Compression Machine
8. Validation of an analytical method for a drug
9. Validation of a processing area
10. Qualification of at least two analytical instruments
11. Cleaning validation of one equipment
12. Qualification of Pharmaceutical Testing Equipment (Dissolution testing apparatus, Friability Apparatus, Disintegration Tester)
13. Check list for Bulk Pharmaceutical Chemicals vendors
14. Check list for tableting production.
15. Check list for sterile production area
16. Check list for Water for injection.
17. Design of plant layout Sterile and non-sterile
18. Case study on application of QbD
19. Case study on application of PAT


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



LESSON PLAN / DAILY DAIRY (LAB)

Lab No.	Name of Experiment	Proposed Date	Actual Date of Delivery	Learning Outcome	Remark
1.	To prepare Checklist for the Sterile production area in Pharmaceutical Industry	² 23.03.22	23.03.22	PPT	Perform
		24.03.22	24.03.22		
2.	To prepare Checklist for the tablet production area in pharma industry	28.03.22	28.03.22	PPT	Perform
		29.03.22	29.03.22		
3.	To prepare Checklist for water for Injection in Pharmaceutical industry	30.03.22	30.03.22	PPT	Perform
		31.03.22	31.03.22		
4.	To perform Qualification of Hot air oven	⁴ 04.04.22	04.04.22	PPT	Perform
		05.04.22	05.04.22		
		06.04.22	06.04.22		
		07.04.22	07.04.22		
5.	To perform checklist for vendor Qualification	² 11.04.22	11.04.22	PPT	Perform
		12.04.22	12.04.22		
6.	To perform calibration of PH Meter	² 13.04.22	13.04.22	}	}
		19.04.22	19.04.22		
		20.04.22	20.04.22		
		21.04.22	21.04.22		
		02.05.22	02.05.22		
7.	To perform Qualification of Friability test apparatus	04.05.22	04.05.22		
		05.05.22	05.05.22		
		09.05.22	09.05.22		
8.	To study the plant layout for non sterile preparation	² 10.05.22	10.05.22		perf
		11.05.22	11.05.22	PPT	
9.	To study the plant layout for Sterile preparation	² 12.05.22	12.05.22	Mod	
		16.05.22	16.05.22		
10.	To prepare Qualification of Disintegration apparatus	17.05.22	17.05.22		
		18.05.22	18.05.22		
		19.05.22	19.05.22		
		23.05.22	23.05.22		

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

LESSON PLAN / DAILY DAIRY (LAB)

Lab No.	Name of Experiment	Proposed Date	Actual Date of Delivery	Lerning Outcome	Remark	
11.	Revision of Practical No. 4 and 6.	30.05.22	30.05.22	}	Performed	
12.	Identification of antibiotic residue by Thin Layer Chromatography.	31.05.22	31.05.22			
		01.06.22	01.06.22		Performed	
		13.06.22	13.06.22			
		14.06.22	14.06.22			
13.	To perform Qualification of Double beam ultra violet spectrophotometer as per IP	15.06.22	15.06.22			Performed
		16.06.22	16.06.22			
		20.06.22	20.06.22		PPT	
		22.06.22	22.06.22		note	
14.	Revision of Practical No. 10 & 12.	23.06.22	23.06.22			Performed
15.	Case study on application of process Analytical technology (PAT)	27.06.22	27.06.22			Performed
		28.06.22	28.06.22			
16.	Case study on application of Quality by design (QbD).	29.06.22	29.06.22			Performed
		30.06.22	30.06.22			

[Signature]


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

1. Introduction to *in-vitro* pharmacology and physiological salt solutions.
2. Effect of drugs on isolated frog heart.
3. Effect of drugs on blood pressure and heart rate of dog.
4. Study of diuretic activity of drugs using rats/mice.
5. DRC of acetylcholine using frog rectus abdominis muscle.
6. Effect of physostigmine and atropine on DRC of acetylcholine using frog rectus abdominis muscle and rat ileum respectively.
7. Bioassay of histamine using guinea pig ileum by matching method.
8. Bioassay of oxytocin using rat uterine horn by interpolation method.
9. Bioassay of serotonin using rat fundus strip by three point bioassay.
10. Bioassay of acetylcholine using rat ileum/colon by four point bioassay.
11. Determination of PA_2 value of prazosin using rat anococcygeus muscle (by Schild's plot method).
12. Determination of PD_2 value using guinea pig ileum.
13. Effect of spasmogens and spasmolytics using rabbit jejunum.
14. Anti-inflammatory activity of drugs using carrageenan induced paw-edema model.
15. Analgesic activity of drug using central and peripheral methods

Note: All laboratory techniques and animal experiments are demonstrated by simulated experiments by softwares and videos

Recommended Books (Latest Editions)

1. Rang H. P., Dale M. M., Ritter J. M., Flower R. J., Rang and Dale's Pharmacology, Churchill Livingstone Elsevier
2. Katzung B. G., Masters S. B., Trevor A. J., Basic and clinical pharmacology, Tata Mc Graw-Hill.
3. Goodman and Gilman's, The Pharmacological Basis of Therapeutics
4. Marry Anne K. K., Lloyd Yee Y., Brian K. A., Robbin L.C., Joseph G. B., Wayne A. K., Bradley R.W., Applied Therapeutics, The Clinical use of Drugs, The Point Lippincott Williams & Wilkins.
5. Myeck M.J, Gelnet S.B and Perper M.M. Lippincott's Illustrated Reviews- Pharmacology.
6. K.D.Tripathi. Essentials of Medical Pharmacology, , JAYPEE Brothers Medical Publishers (P) Ltd, New Delhi.
7. Sharma H. L., Sharma K. K., Principles of Pharmacology. Paras medical publisher
8. Modern Pharmacology with clinical Applications, by Charles R.Craig & Robert.
9. Ghosh MN. Fundamentals of Experimental Pharmacology. Hilton & Company. Kolkata.
10. Kulkarni SK. Handbook of experimental pharmacology. Vallabh Prakashan.


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

BP 507.P. Pharmacology II (Practical)
LESSON PLAN / DAILY DAIRY (LAB)

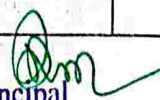
Lab No.	Name of Experiment	Proposed Date	Actual Date of Delivery	Learning Outcome	Remark
1.	To study In-vitro pharmacology and PSS	20/8/21	20/8/21	Basics of pharmacology	
2.	To study the effect of drug on perfused frog heart	27/8/21	27/8/21	Heart's function	
3.	To study the diuretic activity of drug using falf mice	3/9/21	3/9/21	MOA of diuretics	
4.	To study the anti-inflammatory activity of Indomethacin in carrageenan induced paw oedema in rats	17/9/21	17/9/21	MOA of anti-inflammatory drug	
5.	To study the analgesic activity of drugs by tail flick method	24/09/21	24/09/21	MOA of analgesic drugs	
6.	To study the analgesic effect of drug in mice by hot plate method	01/10/21	01/10/21	MOA of analgesic drugs	
7.	Bioassay of histamine using guinea pig ileum by motility method	08/10/21	08/10/21	Activity of given drug	

Principal
 Indore Institute of Pharmacy,
 INDORE (M.P.)

P. Jha

BP 507 P. Pharmacology II (Practical)
LESSON PLAN / DAILY DAIRY (LAB)

Lab No.	Name of Experiment	Proposed Date	Actual Date of Delivery	Lorning Outcome	Remark
8.	Bioassay of oxytocin using rat uterus by interpolation method.	08 28/10/21	08 28/10/21	Activity of drug	
9.	Bioassay of serotonin using rat fundus strip by three point bioassay.	29/10/21	29/10/21	Activity of drug	
10.	DRC of Ach using frog rectus abdominus muscle	29/10/21	29/10/21	Activity with Dose	
11.	To record the effect of physostigmine use of frog rectus abdominus muscle preparation of frog.	12/11/21	12/11/21	Activity of drug	


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

10


INDORE INSTITUTE OF PHARMACY

B.PHARM 6TH SEM

HERBAL DRUG TECHNOLOGY (609P)

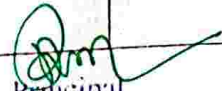
SYLLABUS DISTRIBUTION

First Sessional Syllabus	<ol style="list-style-type: none">1. To Perform Preliminary Phytochemical screening of Vasaka Leaves/ Cinnamon Bark.2. To analyze monograph of Herbal drug (Zingiber Officinale)3. To Evaluate the excipient of natural origine.4. To determine flavonoid content from Arjuna extract.5. Isolation of alkaloids from Vasaka leaves.
Second Sessional Syllabus	<ol style="list-style-type: none">1. To determine alcohol content of asava and arishta2. Isolation of citric acid from lemon juice3. To extract pectin from orange peel.4. Isolation of alkaloids from Vasaka leaves.5. Incorporation of prepared and standardized extract in formulation.


Principal
Indore Institute of Pharmacy.
INDORE (M.P.)

LESSON PLAN / DAILY DAIRY (THEORY)


Lecture No.	Topics	Unit No	Proposed Date	Actual Date of Delivery	Pedagogical Tools	Reference Book	Remark
1	To perform Preliminary Phytochemical Screening of <i>Vibokta</i> / <i>Cinnamomum bark</i>		1 Feb	1 Feb	Lab	Treas & Evans	Performed
2	To analyse monograph of Herbal drug (<i>Zingibe officinale</i>)		8 Feb	8 Feb	Lab	Herbal Pharmacognosy	Performed
3	To evaluate the efficacy of natural origin		15 Feb	15 Feb	Lab	Treas & Evans	Performed
4	To determine flavonoid content from <i>Ayuna</i> bark		21 Feb	21 Feb	Lab	Kokate	Performed
5	Isolation of alkaloids from <i>Vasaka</i> leaves		28 Feb	28 Feb	Lab	Treas & Evans	Performed
6	To determine alcohol content of <i>asava</i> & <i>Asiatica</i>		14 March	28 March	Lab	Kokate S.H. Anari	Performed
7	Isolation of Citric acid from lemon juice		21 March	23 March	Lab	Kokate	Performed
8	To extract pectin from orange peel		28 March	4 April	Lab	Kokate	Performed
9	Isolation of alkaloids from <i>Vasaka</i> leaf		4 April	11/4/22	Lab	Anari	Performed
10	Incorporation of Prepared and standardized extract in formulation		11 April	18/4/22	Lab	Kokate	Performed


 Principal
 Indore Institute of Pharmacy
 INDORE (M.P.)

LESSON PLAN / DAILY DAIRY (THEORY)

BP. 609P- Herbal Drug Technology

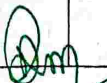
Lecture No.	Topics	Unit No	Proposed Date	Actual Date of Delivery	Pedagogical Tools	Reference Book	Remark
1	To perform Preliminary Phytochemical screening of Vasaka / cinna bark		1 Feb	1 Feb	Lab	Treas & Evans	Performed
2	To analyse monograph of herbal drug (Zingiber officinale)		8 Feb	8 Feb	Lab	Herbal Pharma	Performed
3	To evaluate the existence of natural origin.		15 Feb	15 Feb	Lab	Kokate	TT Revised Performed
4	To determine flavanoid content from Ayuna ext.		22 Feb	22 Feb	Lab	Treas & Evans	Performed
5	Isolation of alkaloids from Vasaka leaf		16 March	8/3/22	Lab	Kokate	Performed Personal
6	To determine alcohol content of asava Arishta		29 March	15/3/22	Lab	Treas & Evans	Performed
7	Isolation of citric acid from lemon juice.		5 April	20/3/22	Lab	Evans Kokate	Performed
8	To extract pectin from Orange peel		12 April	15/4/22	Lab	Treas & Evans	Performed
9	Isolation of alkaloids from Vasaka leaf.		19 April	12/4	Lab	Evans Kokate	25-29 April Performed Personal
10	Incorporation of Prepared & Standardized Extract in form		10 May	19/4/22	Lab	Amoy	Performed
11							


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

BPG09P- Herbal Drug technology

LESSON PLAN / DAILY DAIRY (LAB)

Lab No.	Name of Experiment	Proposed Date	Actual Date of Delivery	Lerning Outcome	Remark
1	To perform Pulimeracy phytochemical screening of Vasaka leaf / Cinnamon bark	1 Feb	1 Feb		Performed
2	To analyse monograph of Herbal drug (Zingiber officinale)	8 Feb	8 Feb		Performed
3	To evaluate the efficiency of natural origin.	15 Feb	15 Feb		Performed
4	To determine flavonoid content from Aegle extract.	23 Feb	23 Feb		Performed
5	Isolation of alkaloids from Vasaka leaves.	2 March	2/3/22		Performed
6	To determine alcohol content of asava & Arishta	16 March	16/3/22		Performed
7	Isolation of citric acid from lemon juice	23 March	23/3/22		Performed
8	To extract pectin from orange peel.	30 March	6/4/22		Performed
9	Isolation of alkaloids from Vasaka leaf.	6 April	13/4/22		Performed
10	Incorporation of prepared and standardized extract in formulation.	13 April	20/4/22		Performed


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

D.Pharm - Pharmacology

General anaesthetics- adjunction to anaesthesia, intravenous anaesthetics.
Analgesic antipyretics and non-steroidal
Anti-inflammatory drugs- Narcotic analgesics.
Antirheumatic and anti-gout remedies.
Sedatives and Hypnotics, psychopharmacological agents, anticonvulsants, analeptics.
Centrally acting muscle relaxants and anti parkinsonism agents.
Local anesthetics
Drugs acting on autonomic nervous system.
Cholinergic drugs, Anticholinergic drugs, anticholinesterase drugs.
Adrenergic drugs and adrenergic receptor blockers.
Neurone blockers and ganglion blockers.
Neuromuscular blockers, used in myasthenia gravis.
Drugs acting on eye: Mydriatics, drugs used in glaucoma.

Drugs acting on respiratory system

Respiratory stimulants, Bronchodilators, Nasal decongestants, Expectorants and Antitussive agents.

Autocoids: physiological role of histamine and serotonin, Histamine and Antihistamines, prostaglandins.

Cardio vascular drugs

Cardiotonics, Antiarrhythmic agents, Anti-anginal agents, Antihypertensive agents, peripheral Vasodilators and drugs used in atherosclerosis.

Drugs acting on the blood and blood forming organs, Haematinics, coagulants and anticoagulants, Haemostatic, Blood substitutes and plasma expanders.

Drugs affecting renal function- Diuretics and anti-diuretics.

Hormones and hormone antagonists- Hypoglycemic agents, Anti--thyroid drugs, sex hormones and oral contraceptives, corticosteroids.

Drugs acting on digestive system-carminatives, digest ants, Bitters, Antacids and drugs used in peptic ulcer, purgatives and laxatives, Antidiarrhoeals, Emetics, Anti-emetics, Antispasmodics.

Chemotherapy of microbial diseases:

Urinary antiseptics, sulphonamides, penicillin, streptomycin, Tetracyclines and other antibiotics, Anti-tubercular agents, Antifungal agents, antiviral drugs, anti-leprotic drugs.

Chemotherapy of protozoal diseases, Anthelmintic drugs.


Chemotherapy of cancer.

Disinfectants and antiseptics.

PHARMACOLOGY

PRACTICAL (50 hours)

1. The first six of the following experiments will be done by the students while
2. the remaining will be demonstrated by the teacher.
3. Effect of potassium and calcium ions, acetylcholine and adrenaline on frog's heart.
4. Effect of acetyl choline on rectus abdomens muscle of frog and guinea pig ileum.
5. Effect of spasmogens and relaxants on rabbits intestine.
6. Effect of local anaesthetics on rabbit cornea.
7. Effect of mydriatics and miotics on rabbit's eye.
8. To study the action of strychnine on frog.
9. Effect of digitalis on frog's heart.
10. Effect of hypnotics in mice.


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

D.Pharm - Pharmacology

11. Effect of convulsants and anticonvulsant in mice or rats.
12. Test for pyrogens.
13. Taming and hypnosis potentiating effect of chlorpromazine in mice/rats.
14. Effect of diphenhydramine in experimentally produced asthma in guinea pigs.

2.4 PHARMACEUTICAL JURISPRUDENCE

THEORY (50 hours)

Origin and nature of pharmaceutical legislation in India. its scope and objectives. Evolution of the "Concept of pharmacy" as an integral part of the Health care system.

Principles and significance of professional Ethics. Critical study of the code of pharmaceutical Ethics drafted by pharmacy council of India.

Pharmacy Act,1948-The General study of the pharmacy Act with special reference to Education Regulations ,Working of state and central councils, constitution of these councils and functions. Registration procedures under the Act.

The Drugs and Cosmetics Act,1940-General study of the Drugs and cosmetics Act and the Rules there under. Definitions and salient features related to retail and whole sale distribution of drugs. The powers of Inspectors, the sampling procedures and the procedure and formalities in obtaining licenses under the rule. Facilities to be provided for running a pharmacy effectively. General study of the schedules with special reference to schedules C,C1,F,G,J,H,P and X and salient features of labeling and storage conditions of drugs.

The Drugs and Magic Remedies (objectionable Advertisement)Act, 1954-General study of the Act. objectives , special reference to be laid on Advertisements, magic remedies and objections and permitted advertisements -diseases which cannot be claimed to be cured.

Narcotic Drugs and psychotropic substances Act,1985-A brief study of the act with special reference to its objectives, offences and punishment.

Brief introduction to the study of the following acts:

Latest Drugs (price control) order in force.


Poisons Act 1919(as amended to date)

Medicinal and Toilet preparations (excise Duties) Act, 1955 (as amended to date).

Medical Termination of Pregnancy Act, 1971(as amended to date).

Books recommended:(Latest editions)

Bare Acts of the said laws published by Government.


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

LESSON PLAN (LAB) / DAILY DAIRY

D. Pharm - Pharmacology

Proposed date No. of crs.

Lecture No.	Date	TOPICS COVERED	PEDAGOGICAL TOOLS USED	REMARKS
1.		To study instruments used in phology	21/09/21	21/09
2.		To study student organ bath	28/09/21	28/09
3.		To study different animals used in phology	05/10/21	04/10
4.		To study different route of drug adm.	26/10/21	25/10
5.		To study different physiological salt soln.	02/11/21	22/11/
6.		To study effect of Ach on frog abdomen	09/11/21	29/11/.
7.		To study effect of K^+ , Ca^{++} & Ach on isolated frogs heart	16/11/21	06/12/.
8.		To study effect of Ach on rat abdominal muscle	23/11/21	18/12/
9.		To study effect of Ach on guinea pig ileum	30/11/21	20/12/.
10.		To study effect of local anaesthetics on rabbit	07/12/21	03/01/.
11.		To study effect of Spasmogens on rabbit intestine	14/12/21	10/01/2
12.		To study Pyrogen test [Preliminary test]	21/12/21	17/01/.
13.		To study Pyrogen test [Main test]	28/12/21	17/01/2
14.		To study effect of mydriatic drug on rabbit eye	04/01/22	20/01/2
15.		To study effect of myotic drug on rabbit eye	11/01/22	20/01/2
16.		To study anticonvulsant effect on rat	18/01/22	24/01/2
17.		To study muscle relaxant activity on rat with the help of rotarod appa.	25/01/22	31/01/.
18.		To study analgesic effect on rat by hot plate method	08/02/22	14/02/2
19.		To study analgesic effect on rat by tail-flick method	22/02/22	14/02/2.
20.		To study	08/03/22	

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

INDORE INSTITUTE OF PHARMACY

ONE MONTH INDUSTRIAL TRAINING

SUMMER (JUNE-JULY) 2019

SN	NAME	INDUSTRY
1	GAYATRY SHIVAM	CIPLA
2	VIJAY PRAJAPATI	CIPLA
3	AARTI MOURYA	CIPLA
4	VISHAL CHOUDHARY	CIPLA
5	HEMANT SAINI	CIPLA
6	SNEHA SABLE	LUPIN
7	APOORVA MANOJ VYAS	CIPLA
8	AAYUSHI SHARMA	LUPIN
9	PRACHI SHRIVAS	CIPLA
10	TWINKLE CHOUHAN	LUPIN
11	VISHAL GOUR	LUPIN
12	ALMAS	LUPIN
13	AJAY CHOUHAN	CIPLA
14	VIRENDRA SINGH RATHORE	LUPIN
15	JITENDRA GOYLIT	UNICHEM
16	PADMA JAIN	LUPIN
17	POOJA GUPTA	IPCA
18	SHANU MUCHHALA	LUPIN
19	RITIKA SHRIVASTAV	IPCA
20	RAKSHANDA PATIL	CIPLA
21	SUMAN VISHWAKARMA	CIPLA
22	VAIBHAV SHARMA	MEDLEY
23	SHUBHAM SHARMA	MEDLEY
24	VISHAL SAWALEKHIYA	SCHON
25	YOGESH YADAV	MEDLEY
26	AKASH KIRTANIYA	IPCA
27	BRAJENDRA SHRIVAS	IPCA
28	HARSHAD PAWAR	IPCA
29	ADITYA SHARMA	SYMBIOTEC
30	PRIYA	PIRAMAL
31	MAHENDRA SAHU	SYMBIOTEC
32	SHIVA CHATURVEDI	MEDILUX
33	RUCHI BHARDWAJ	ZEST
34	AMISHA PARIHAR	IPCA
35	ANIL P	UNICHEM



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

36	ANJALI SONI	UNICHEM
37	KHUSBU SINGH	PIRAMAL
38	SANJAY SOLANKI	UNICHEM
39	DIVYAGIRI	SYMBIOTEC
40	SAMEER SHUKLA	SCHON
41	ANJANA PADORIYA	IPCA
42	ANIL CHOUDHARY	SCHON
43	SOURABH JAIN	MEDLEY
44	BHARTENDRA SOLANKI	SYMBIOTEC
45	PRANANJU SONP	UNICHEM
46	SAHIL RAJ	SCHON
47	MOHD SAMEER QURESHI	SYMBIOTEC
48	SANJAY TANWAR	VISHAL
49	BALDEV CHOUHAN	SCHON
50	ANKIT JAIN	VISHAL
51	ARVIND KUMAR SHARMA	UNICHEM
52	PANKAJ PRAJAPATI	VISHAL




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

INDORE INSTITUTE OF PHARMACY


ONE MONTH INDUSTRIAL TRAINING

SUMMER (JUNE-JULY) 2018 SEZ & BADDI

SN	NAME	INDUSTRY
1	AKSHITA SHARMA	CIPLA
2	VAISHALI PATIL	CIPLA
3	PRIYANSHI SAHU	CIPLA
4	USHMITA RATHORE	CIPLA
5	POOJA KHIRODKAR	CIPLA
6	RENUKA BHALSE	MYLAN
7	DIVYA DUSANE	MYLAN
8	DEEPIKA KANPURIYA	MYLAN
9	VICKY TIWARI	LUPIN
10	ATUL PATHAK	LUPIN
11	NEHA GEHLOT	MYLAN
12	KHUSHBOO JAISWANI	MYLAN
13	ABHISHEK SINGH HADA	ACG
14	NITESH YADAV	IPCA
15	SHANTI PATEL	IPCA
16	DEVRAJ SINGH BAGHEL	IPCA
17	SHABANA KHAN	IPCA
18	AISHWARYA WAGH	IPCA
19	MILAN SINGH SENGAR	MEDGEL
20	NITIN PATIDAR	MEDGEL
21	AJAY PATEL	MEDGEL
22	PRAMOD MERATWAL	MEDGEL
23	VIVEK RAI	MEDGEL
24	NIDHI PATHAK	
25	RAVINDRA	UNICHEM
26	SURESH KUMAR LOVEWANSHI	UNICHEM
27	PANKAJ PATIDAR	UNICHEM
28	NIKITA ARTANI	ALKEM
29	RANI SAUMYA	ALKEM
30	NILESH CHAUDHARY	ALKEM
31	DEEPAK CHAUDHARY	ALKEM
32	SHUBHAM CHAUDHARY	ALKEM
33	VAISHNAVI TAMRAKAR	GLENMARK
34	PRACHI SHARMA	GLENMARK


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

35	VINAY SHASTRI	GLENMARK
36	ANKUSH JAISWAL	GLENMARK
37	VINOD SHARMA	GLENMARK
38	MAHENDRA OJHA	CIPLA
39	RISHABH CHAUHAN	CIPLA
40	SUMIT GORE	CIPLA


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



CERTIFICATE


KAURAV CLINIC & BHARAT CHEMIST

Add :- New Kaka Complex, Azad Square, Mhow Neemuch Road,
Pithampur , Dhar,(M.P.)


This is certify that **Mr. Dhanraj Patel S/O Shri Ganesh Ram Patel** has successfully completed the six month Hospital Pharmacy Internship from 12 Sep. 2020 to 11 March 2021. He joined us as a Pharmacist. During this internship, he has been found to be honest, dedicated, hardworking and actively participating in all activities at this pharmacy.

We wish his all the best for her future endeaours.

Date :- 15/03/2021


Dr. Deepak Kaurav
Reg. 51915, B.A.M.S.,
Dr. Deepak Kaurav

(BAMS)


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

15 Retail e
Layout
21-2

Experience Certificate

Mahaveer Pharma ,Khalghat

D.LNO - 20/1258/14/2021
21/1259/14/2021

This is to certify that master NAVANEET CHOUHAN has been Working with as a medical staff from 15May To 30 May he is Very sincere ,hardworking and been to learn further.

He has excellent conduct & character, we are blessing for his bright future.

वास्तव - महावीर मेडीकल

Signature

Address ..AB. road....Khalghat

Near ..Mahaveer ..Restaurant

Contact ..9977463690

vii

Indore Institute of Pharmacy

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



CERTIFICATE OF INTERNSHIP

This certificate is awarded to

Aayushi Arora

For successfully completing a Growth Internship with us as a
Marketing Ambassador, for a duration of 10 weeks.

Internship Start Date 24/10/2020
Internship End Date 31/12/2020

ARJUN MIDHA
GROWTH LEAD
goDutch

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

EXPERIENCE CERTIFICATE

NEW SUMIT MEDICAL STORES,
KELA DEVI,AD ROAD DEWAS

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.NILESH ADLAK student of Indore Institute of Pharmacy is working with new sumit medical stores from 20th february 2021 to 28th march 2021.

We are proud to say that she has been sincere pharmacy student during their tenure.

All the project they have worked on have been successful. We wish her all the best in all their future endeavors.

THANKS AND REGARDS

NEW SUMIT MEDICAL STORES
KELA DEVI AD ROAD DEWAS
DEWAS 455001 (M.P)

श्री गुरुभ्यो नमः
श्री गुरुभ्यो नमः
श्री गुरुभ्यो नमः


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Industrial Visit report of ACG Worldwide Limited, Pithampur, Indore

Date of visit: 17/6/2022

Coordinators (Faculty): Mr. Darshan Jamindar, Ms Saloni Yadav

Coordinators (Industry):


(1) Mr Vineet Bewtra HOD Packaging

(2) Mr Hukum. QA Head

On 17 June a visit was organized by Indore Institute of Pharmacy for the IInd B.Pharm and M.Pharm students to a capsule production facility located at SEZ Pithampur Indore. At 1: 00 P.M. students of gathered at institute campus and were queued to board the bus by the respective faculties. We reached at the industry at 1: 30 and then received by Mr Vineet Bewtra. We underwent a stringent security and hygiene checks .All students were qued and directed towards auditoriam. He gave a glimpse of ACG, which included its history and product line. He also briefed about their new plants across the locations worldwide. Then the students went to raw material section and gelatin processing unit. Then the students were directed towards the factory units such as inflammable materials quarantines, scrap disposal unit. Next part of the visit comprised of visit to gelatin shell manufacturing unit where the students keenly understood all the technical details of the section. Students eagerly observed and understood use of analytical tools such as HPLC, GC. They were also given a good refreshment after the visit was over. It was a nice experience for students where they observed set up of a pharma industry what they used to study in a classroom. It was a nice switchover from routine classroom to observing an industrial setup. We came back at 6: 00 PM

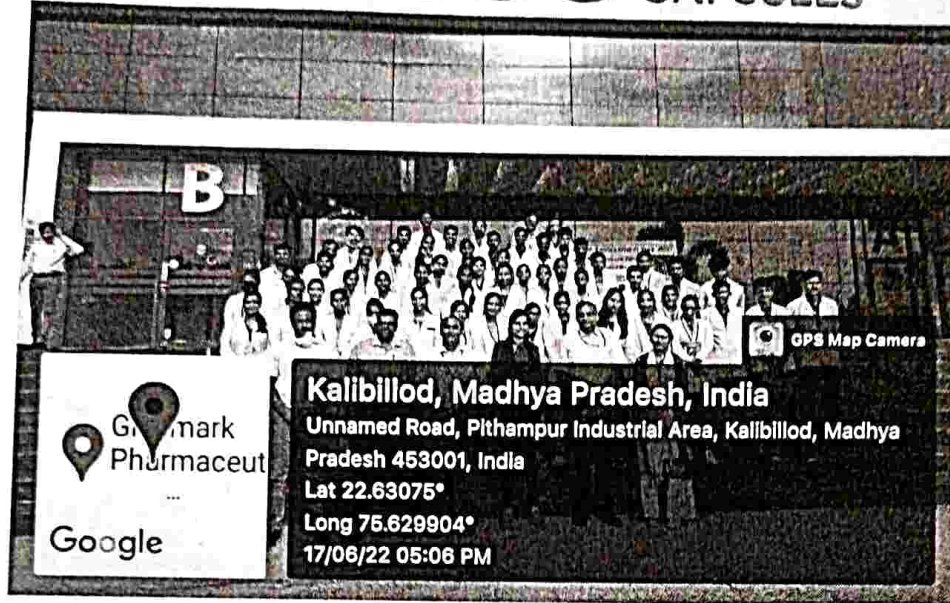
.Prepared by

Darshan Jamindar



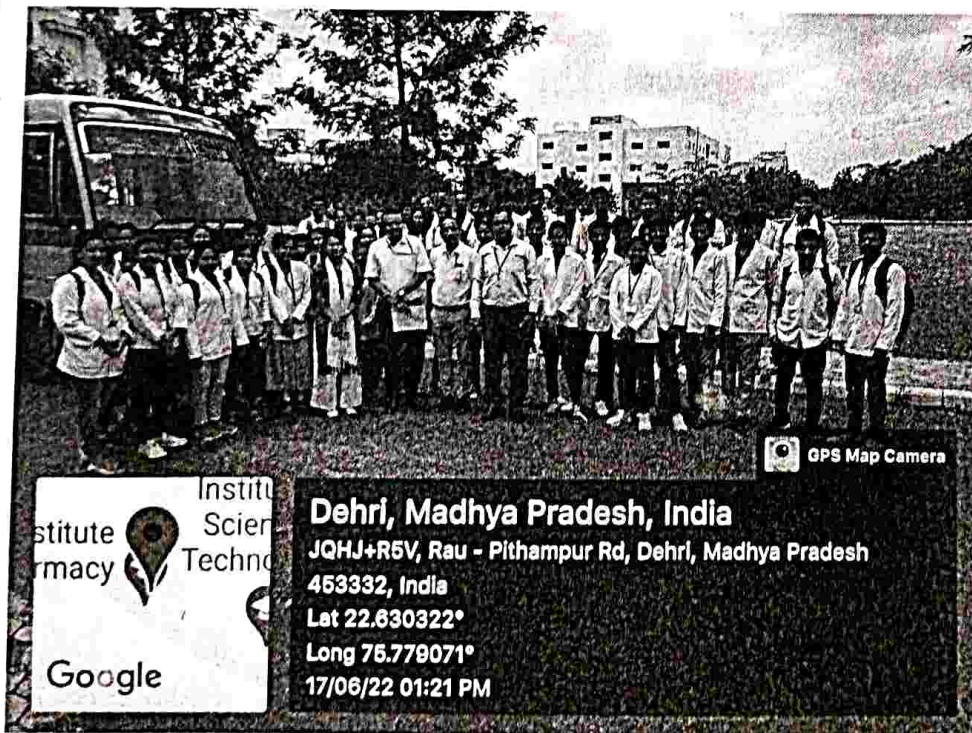
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

ACG CAPSULES




Google
G mark
Pharmaceut

Kalibillod, Madhya Pradesh, India
Unnamed Road, Pithampur Industrial Area, Kalibillod, Madhya Pradesh 453001, India
Lat 22.63075°
Long 75.629904°
17/06/22 05:06 PM



Google
Institute
Pharmacy
Institu
Scien
Techno

Dehri, Madhya Pradesh, India
JQHJ+R5V, Rau - Pithampur Rd, Dehri, Madhya Pradesh 453332, India
Lat 22.630322°
Long 75.779071°
17/06/22 01:21 PM


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

**Industrial Visit report of Samkem Pharmaceuticals Limited,
Rau, Indore**

Date of visit: 9/3/2022

Coordinators (Faculty): Mr. Darshan Jamindar, Dr Nadeem Farooqui

Coordinators (Industry):


(1) Mr Vikrant HOD Packaging

(2) Mr Mayank Bharani. Production Executive

An industrial visit was organized for students to make them aware of various activities related to Manufacturing and Packaging in a pharmaceutical industry. Indore Institute of Pharmacy, Indore organized an industrial visit for the students of Third Year B.Pharm on 9th March 2022 at Samkem Pharmaceutical Limited, Indore. In the morning students assembled under the guidance of Mr Darshan Jamindar and started from IIP campus at 9:20 am. We reached at company at 10:10 am. We were received by Mr. Mayank Bharani production Manager. He briefed about the company and its various products such as antitussives, bronchodilators, and also about GMP guidelines followed in the industry. He also gave a HR training session which described various typical questions and answers raised from technical rounds and how to answer them. Then we were directed towards QC department where Ms Varsha , QC manager was waiting for us. She explained modern instruments such as HPLC, FTIR. We also met Mr Kakani MD of industry and gave vote of thanks to organize visit for our students. We came back at 2 pm to our institute.

Prepared by

Darshan Jamindar



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Indore, Madhya Pradesh, India

A.K.V.N, 15B, Industrial Area, Rau, Indore, Madhya Pradesh

453331, India

Lat 22.642106°

Long 75.803624°

09/03/22 11:21 AM

GPS Map Camera



Indore, Madhya Pradesh, India

Unnamed Road, Madhya Pradesh 453332, India

Lat 22.630291°

Long 75.779005°

08/03/22 10:46 AM

GPS Map Camera

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

**Industrial Visit report of Schon Pharmaceuticals Limited,
Gandhinagar, Indore**

Date of visit: 7/4/2022


Coordinators (Faculty): Mr. Darshan Jamindar, Mr Sandip Patil

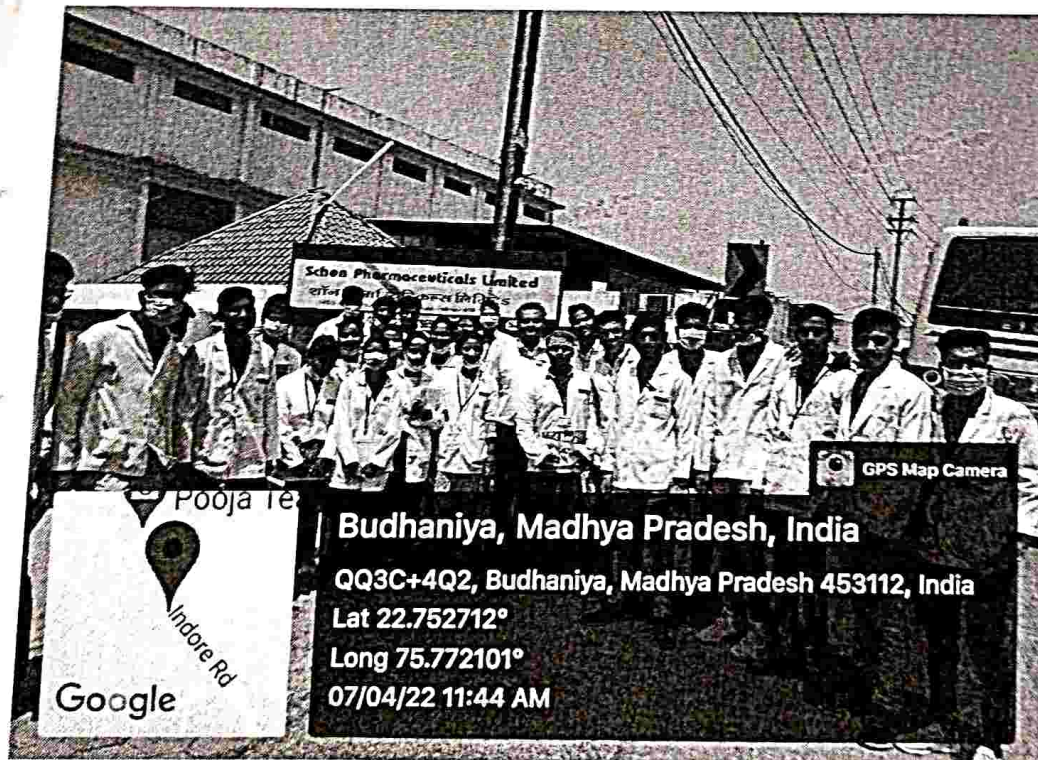
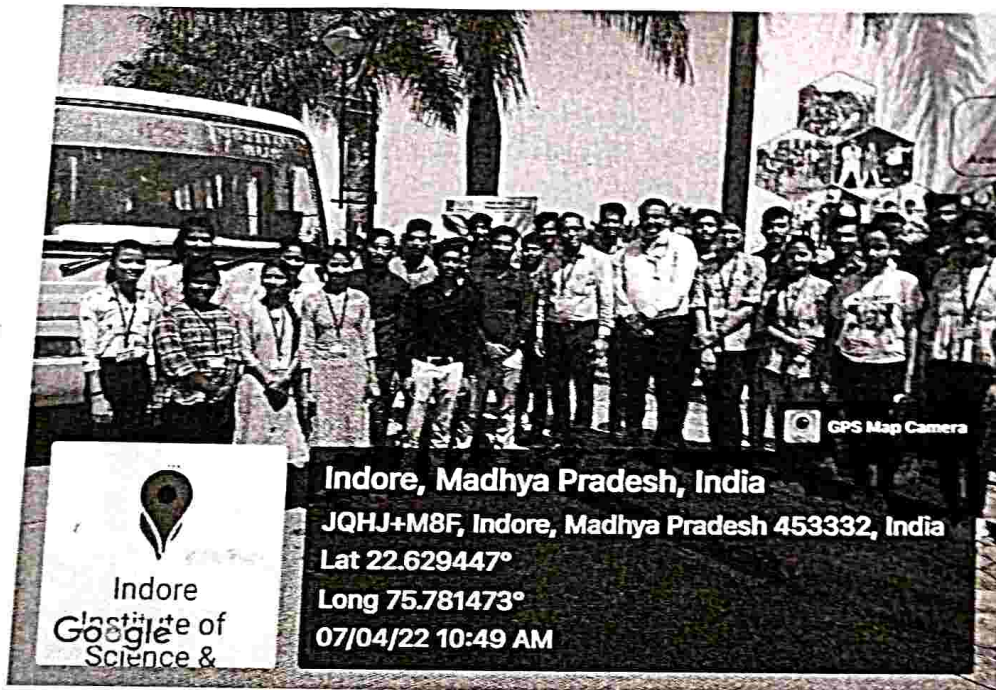
Coordinators (Industry):


(1) Air comd V.K. Chopra HR Head

(2) Mr. Zakir Hussain Hr Executive

The main objective behind the visit was to make students aware about how various activities related to Manufacturing, Packaging, Marketing, and Human Resource are carried out in a pharmaceutical industry. Indore Institute of Pharmacy, Indore organized an industrial visit for the students of Third Year B.Pharm on 4th April 2022 at Schon Pharmaceutical Limited, Indore. The visit started with presentation by HR Head Mr. V.K.Chopra about company's growth and status. The students visited different department and sections of pharma industry like QC, Dispensing, Manufacturing (Compression, granulation etc.) and Packaging. The students had visited manufacturing of oral liquid dosage forms. The students were taken round of beta lactam antibiotic section. All the products were manufactured as per regulatory guidelines of MHRA and WHO. The various large-scale pharma manufacturing equipment and its applications were keenly observed by our students. This made our students to correlate their theory with practical application in pharma manufacturing field. The Students asked their different queries to the managers.. The students were escorted by faculties Mr Darshan Jamindar and Mr Sandeep Patil who guided and explained them about processing of pharmaceutical products at various stages of visit to pharma plant. All the students felt privileged and enriched after visiting a pharma manufacturing plant. After the industrial visit students came back at 2:30 PM.


Principal
Indore Institute of Pharmacy
INDORE (M.S.)




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Industrial Visit report of Schon Pharmaceuticals Limited,
Gandhinagar, Indore

Date of visit: 7/4/2022

Coordinators (Faculty): Mr. Darshan Jamindar, Mr Sandip Patil

Coordinators (Industry):

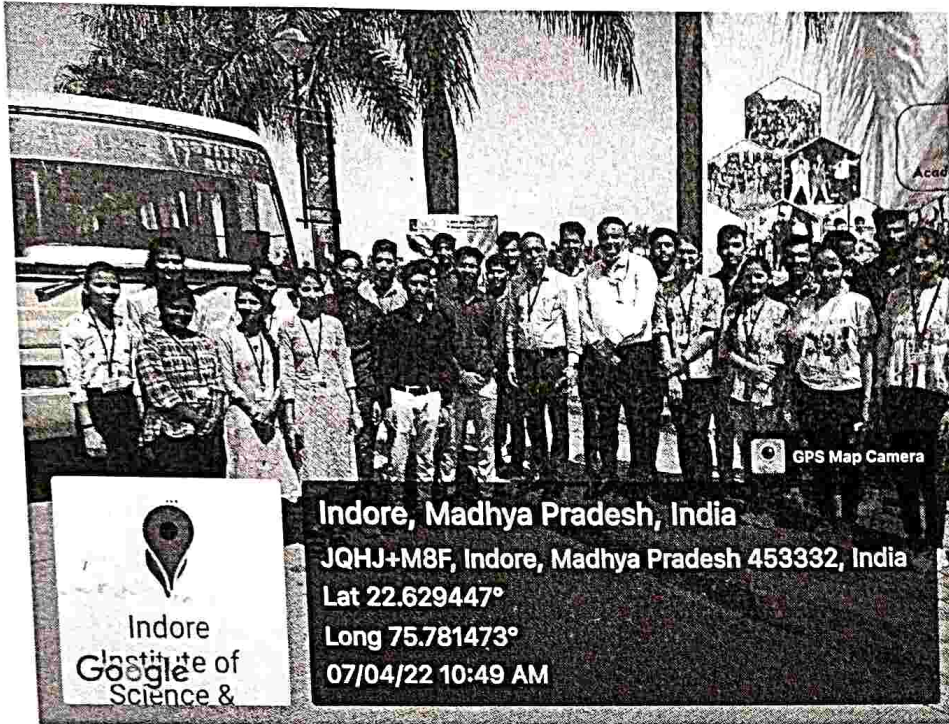
(1) Mr. V.K. Chopra HR Head


(2) Mr. Zakir Hussain Hr Executive

The main objective behind the visit was to make students aware about how various activities related to Manufacturing, Packaging, Marketing, and Human Resource are carried out in a pharmaceutical industry. Indore Institute of Pharmacy, Indore organized an industrial visit for the students of Third Year B.Pharm on 4th April 2022 at Schon Pharmaceutical Limited, Indore. The visit started with presentation by HR Head Mr. V.K.Chopra about company's growth and status. The students visited different department and sections of pharma industry like QC, Dispensing, Manufacturing (Compression, granulation etc.) and Packaging. The students had visited manufacturing of oral liquid dosage forms. The students were taken round of beta lactam antibiotic section. All the products were manufactured as per regulatory guidelines of MHRA and WHO. The various large-scale pharma manufacturing equipment and its applications were keenly observed by our students. This made our students to correlate their theory with practical application in pharma manufacturing field. The Students asked their different queries to the managers.. The students were escorted by faculties Mr Darshan Jamindar and Mr Sandeep Patil who guided and explained them about processing of pharmaceutical products at various stages of visit to pharma plant. All the students felt privileged and enriched after visiting a pharma manufacturing plant. After the industrial visit students came back at 2:30 PM.



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)




Principal
Indore Institute of Pharmacy.
INDORE (M.P.)

INDORE INSTITUTE OF PHARMACY

INDUSTRIAL VISITS

2018-19

SN	INDUSTRY	DATE
1	SYMBIOTEC	14 -3-2019
2	LUPIN PHARMA	31-1-2019
3	LUPIN PHARMA	1-2-2019
4	SCHON PHARMA	13 -12-2018
5	IPCA LABS	1-9-2018
6	IPCA LABS	24-4-2018

MOU between IIP and TATA COMMUNITY INITIATIVE TRUST and CIPLA FOUNDATION

TATA STRIVE YOUTH DEVELOPMENT MODULE

DURATION:120 HRS

September 2018 to April 2019




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

INDORE INSTITUTE OF PHARMACY
INDUSTRIAL VISITS

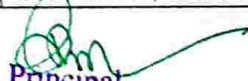
S.N.	Date	Semester	Company
1	24-1-2018	IV	IPCA INDORE
2	5-6-2018	VI	GLENMARK BADDI
3	13-12-2018	2 YR DPHARM	SCHON INDORE
4	31-1-2019	VI SEM	LUPIN

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

INDORE INSTITUTE OF PHARMACY, INDORE (M.Pharm Project Title)

S.No	Enrolment No.	Name of Student	Title	Guide Name
1	0845PY16MP02	Yadav, Deep	Formulation and evaluation of folate Linked Microshpers for colon targeting	Mr.Khambete,Hement
2	0845PY16MP06	Ameta,Neha	Formulation and evaluation of megloporous Matrix tablets for management of pain	Ms.Singh, Mahima
3	0845Py16MP07	Nair, Nidhi .S.	Formulation and Evaluation of Ileo Colonic Drug delivery system for Chrono Therapeutic treatment of Rheumatoid Arthritis	Ms.Kamalpuria, Neha
4	0845PY17MP01	Bhawsar,Deepika	A Formulation and Evaluation of Orodispersible film of antiemetic drug	Dr.Farooqui,Nadeem
5	0845PY17MP02	Jadon, Diksha	Formulation and evaluation of controled porosity Osmotic pump tablet of nateglinide	Ms.Kamalpuria, Neha
6	0845PY17MP03	Mahajan,Komal	A Formulation and Evaluation of griseofulvin loaded nanosponges incorporated in Hydrogel	Mrs.Sharma,Nayany
7	0845PY17MP04	Singh, Ravindra	Solubility enhancement techniques for poorly soluble anti diabetic drug	Mr. Jamindar, Darshan
8	0845PY17MP05	Patidar, Sandeep	A formulation and evaluation of Microporous matrix tablet of antihypertensive drug of captopril	Mr. Jamindar, Darshan
9	0845PY17MP06	Soni, Shakshi	Formulation and evaluation of Based on anti fungal drug	Dr.Farooqui, Nadeem
10	0845PY18MP01	Dabeer, Ali, Asgar	formulation and evaluation of orodispersible tablet of poorly water soluble drug fenofibrate by using solubility enhancement technique	Dr.Farooqui, Nadeem
11	0845PY18MP02	Yadav, Aman	Formulation and evaluation of poly herbal anti aging cream	Dr. Mishra, Dinesh


 Principal
 Indore Institute of Pharmacy,
 INDORE (M.P.)

12	0845PY18MP03	Gawshinde, Arpit	Design ,Optimization and evaluation of Polyherbal Antidandruff shampoo	Dr. Mishra, Dinesh
13	0845PY18MP05	Jaisnghani, Himani	Formulation and evaluation of solid dispersion incorporated fast disintegrating tablet of antiemetic drug	Dr. Farooqui, Nadeem
14	0845PY18MP06	Sharma, Madhuri	formulation development & evaluation of floating delivery system containing cinnarizine	Dr. Mishra, Dinesh
15	0845PY18MP08	Tiwari, Ruchi Singh	Preparation and evaluation of antibiotic loaded microsphere for the treatment of drug resistant pathogenic conditions	Dr. Mishra, Dinesh
16	0845PY18MP09	Chouhan, Sakshi Singh	Formulation and evaluation of liposomal loaded nail lacquer containing antifungal drug	Dr. Farooqui, Nadeem
17	0845PY18MP10	Singh, Sudhanshu	Design, optimization and evaluation of 3D printed based dosage form	Dr. Mishra, Dinesh
18	0845PY18MP12	Patidar, Versha	Formulation and evaluation of microemulsion loaded gel of antifungal drug	Dr. Mishra, Dinesh
19	0845PY18MP04	Roy, Deepakar	Formulation and Development of antidiabetic tablet from aqueous extract of whitania coagulans dunal	Dr. Mishra, Dinesh
20	0845PY18MP07	Pandey, Shivam	Formulation and evaluation of Nano emulsion gel containing ciclopirox olamine	Dr. Dixit, Pankaj
21	0845PY18MP07	Vaishali Barpete	Formulation and evaluation of buccal patch loaded with anti-inflammatory drug for the treatment of dental disease	Dr. Mishra, Dinesh
22	0845PY19MP02	Neelima, Mandloi	Formulation and evaluation of 3D printing based drug delivery systems	Dr. Mishra, Dinesh
23	0845PY19MP03	Prachi Sharma	Formulation and evaluation of trolamine salicylate microemulsion	Dr. Farooqui, Nadeem



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

FORMULATION AND EVALUATION OF TROLAMINE SALICYLATE MICROEMULSION



A
Dissertation Part-II
(MPY-401 PCS)
Submitted To

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards Partial Fulfilment of

DEGREE OF MASTER OF PHARMACY (PHARMACEUTICS)

Submitted By

PRACHI SHARMA
Enrolment No. 0845PY19MP03
Dissertation Part-II


Supervised By

Dr. NADEEM FAROOQUI



INDORE INSTITUTE OF PHARMACY, INDORE
Pithampur Road, Opposite IIM, Rau, Indore (M.P.) 453331

April, 2022


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

**FORMULATION AND EVALUATION OF 3D PRINTING BASED DRUG
DELIVERY SYSTEM**



A

Dissertation Part-II
(MPY-401 PCS)
Submitted To

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards Partial Fulfilment of

DEGREE OF MASTER OF PHARMACY (PHARMACEUTICS)

Submitted By

Neelima Mandloi
Enrolment No. 0845PY19MP02
Dissertation Part-II

Supervised By

Dr. Dinesh Kumar Mishra


Co-supervised By

Mr. Kuldeep Vinchurkar



INDORE INSTITUTE OF PHARMACY, INDORE
Pithampur Road, Opposite IIM, Rau, Indore (M.P.) 453331

April - 2022


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

**Formulation and Evaluation of Liposomal Loaded Nail
Lacquer Containing Antifungal Drug**



Dissertation Part-II

(MPY-401 PCS)

Submitted To

Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal

Toward Partial Fulfillment of

DEGREE OF MASTER OF PHARMACY (PHARMACEUTICS)

Submitted By

Ms. Sakshi Singh Chouhan

Enrolment No. 0845PY18MP09

Supervised By


Dr. NADEEM FAROOQUI



INDORE INSTITUTE OF PHARMACY, INDORE

Pithampur Road, Opposite IIM, Rau, Indore (M.P.) 453331

March 20-21


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

**PREPARATION AND EVALUATION OF ANTIBIOTIC LOADED MICROSPHERE
FOR THE TREATMENT OF DRUG RESISTANT PATHOGENIC CONDITIONS**



Dissertation Part-II

(MPY-401 PCS)

Submitted To

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards Partial Fulfilment of

DEGREE OF MASTER OF PHARMACY (PHARMACEUTICS)

Submitted By

Ms. RUCHI SINGH TIWARI

Enrolment No. 0845PY18MP08

Dissertation Part-II

Supervised By

Dr. DINESH KUMAR MISHRA

Co-supervised By

Dr. GURMEET S. CHHABRA



INDORE INSTITUTE OF PHARMACY, INDORE
Pithampur Road, Opposite IIM, Rau, Indore (M.P.) 453331

April - 2021

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Preparation and Evaluation of 5-Fluorouracil Microsphere



A PROJECT REPORT SUBMITTED TO
RAJIV GANDHI PROUDYOGIKI VISHWA VIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2018-2019

Submitted by :

Neha Gehlot

Roll no. 0845PY151049


Supervised by:

Dr. Mahavir Chhajed

Asso. Professor



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Formulation and Evaluation Antifungal Topical formulation of Fluconazole



A PROJECT REPORT SUBMITTED TO
RAJIV GANDHI PROUDYOGIKI VISHWA VIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2018-2019

Submitted by :

NIDHI PATHAK

Roll No: 0845PY151050

Supervised by:

Dr. HEMANT KHAMBETE

Asst. Professor



Indore Institute
Of Pharmacy

INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

NOVEL ROUTES OF INSULIN DELIVERY FOR DIABETES TREATMENT



A PROJECT REPORT SUBMITTED TO
RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2019-2020

Submitted by :

Miss. ANJALI SONI

Roll No: 0845PY161014


Supervised by:

Dr. PANKAJ DIXIT

Professor



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331

**WAFERS TECHNOLOGY – A NEWER APPROACH TO SMART
DRUG DELIVERY SYSTEM**

425



**A PROJECT REPORT SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT
FOR AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2019-2020**

**Submitted by
Mr. Anil Choudhary
0845PY161013**

**Supervised by
Mrs. Surekha Dhokane
Asst. Professor**

**Principal
Indore Institute of Pharmacy,
INDORE (M.P.)**

“Analytical Method Development of Metformin Hydrochloride and Teneligliptin”




A PROJECT REPORT SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWA VIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2018-2019

Submitted by
Vaishali Patil
0845PY151095

Supervised by
Dr. Hemant Khambete
Associate Professor
Pharmaceutics



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Formulation and Evaluation of Green Tea Tablet




A PROJECT REPORT SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2018-2019

Submitted by
Sujeet Kumar Singh
0845PY151088

Supervised by
Dr. Hemant Khambete
Associate Professor



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


Principal
Indore Institute of Pharmacy.
INDORE (M.P.)

**FORMULATION AND EVALUATION OF
ANTIFUNGAL EMULGEL OF EUGENIA
CAYOPHYLATA & MELALEUCA
ALTERNIFOLIA**




**A PROJECT REPORT SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2018-2019**

**Submitted by
Priyanshi Sahu
0845PY151062**

**Supervised by
Mrs. Ankita Dubey
Asst. Professor**



**INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331**


**Principal
Indore Institute of Pharmacy,
INDORE (M.P.)**

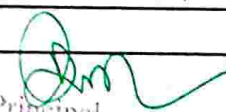
INDORE INSTITUTE OF PHARMACY,INDORE
B.PHARMA 8TH SEM PRACTICE SCHOOL (JAN-JUNE 2021)

S.NO.	Enrollment Number	Name of Student	NAME OF GUIDE	Topic
1	0843PY171005	Abhishek SONI	Dr Pankaj Dixit	Hospital Pharmacy
2	0843PY171014	ANKIT MUKATI	Dr Pankaj Dixit	Internship in a Community Pharmacy
3	0843PY171030	GAURAV PARMAR	Dr Pankaj Dixit	Community Pharmacy
4	0843PY171071	RITIKA DHANOTIYA	Dr Pankaj Dixit	Hospital Pharmacy
5	0843PY171074	SACHIN	Dr Pankaj Dixit	CONCEPT OF JANAUSHADHI KENDRA
6	0845PY171001	AADARSH TANWAR	Dr. Pritesh Paliwal	
7	0845PY171002	AARTI PRAJAPATI	Dr. Pritesh Paliwal	
8	0845PY171003	AASTHA SINGH	Dr. Pritesh Paliwal	
9	0845PY171004	AAYUSHI CHOUHAN	Dr. Pritesh Paliwal	
10	0845PY171005	AAYUSHI SANKHALA	Dr. Pritesh Paliwal	
11	0845PY171006	ADUL SHARIQUE SAYYED	Dr. Gurmeet chhabra	
12	0845PY171007	ADESH AMETA	Dr. Gurmeet chhabra	
13	0845PY171008	ADITYA SHRIVASTAV	Dr. Gurmeet chhabra	
14	0845PY171009	AFJAL KHAN	Dr. Gurmeet chhabra	
15	0845PY171010	AFROJ KHAN	Dr. Gurmeet chhabra	
16	0845PY171011	AJAY KUMAR YADAV	Dr.Priya Jain	ONLINE PHARMACY
17	0845PY171012	AJAY SINGH CHOUHAN	Dr.Priya Jain	Hospital Pharmacy
18	0845PY171013	AMIT KUMAR PANDEY	Dr.Priya Jain	Drug Store management
19	0845PY171014	ANIKET VERMA	Dr.Priya Jain	HOSPITAL PHARMACY MANAGEMENT
20	0845PY171015	ANKIT SINGH TANWAR	Dr.Priya Jain	Medical Waste Management
21	0845PY171016	ANKIT VERMA	Dr.Priya Jain	Community Pharmacy Management
22	0845PY171018	ANUP KUSHWAHA	Dr.Priya Jain	Hospital Pharmacy
23	0845PY171019	ARCHIT SINGH	Dr. Rekha Bisht	Pharmaceutical Quality Management:A Revie
24	0845PY171020	ARIHANT KASLIWAL	Dr. Rekha Bisht	


25	0845PY171021	ARTI DHAKAD	Dr. Rekha Bisht	
26	0845PY171022	ARUN PANDEY	Dr. Rekha Bisht	
27	0845PY171024	ASTHA PATIDAR	Dr. Rekha Bisht	
28	0845PY171025	ATUL MISHRA	Dr. Rekha Bisht	
29	0845PY171026	AYESHA QURESHI	Dr. Rekha Bisht	
30	0845PY171027	AYUSH RATHOD	DR NADEEM FAROOQUI	HOSPITAL PHARMACY MANAGEMENT
31	0845PY171028	AYUSH VISHWAKARMA	DR NADEEM FAROOQUI	CONCEPT OF RETAIL PHARMACY
32	0845PY171029	AYUSHI	DR NADEEM FAROOQUI	HOSPITAL PHARMACY
33	0845PY171030	BAL CHAND	DR NADEEM FAROOQUI	"A Review on the Hospital Pharmacy"
34	0845PY171031	BHARAT MAHAJAN	DR NADEEM FAROOQUI	Waste Management: A review
35	0845PY171032	CHANDAN PATIDAR	DR NADEEM FAROOQUI	"Bio-Medical Waste Management"
36	0845PY171034	DEEPENDRA DEVDA	Mrs. Arti Majumdar	CONCEPT OF RETAIL PHARMACY
37	0845PY171035	DEVENDRA PARMAR	Mrs. Arti majumdar	CONCEPT OF JANAUSHADHI KENDRA
38	0845PY171036	DHANRAJ PATEL	Mrs. Arti Majumdar	HOSPITAL PHARMACY MANAGEMENT
39	0845PY171037	DIVYANSHU VERMA	Mrs. Arti Majumdar	HOSPITAL PHARMACY MANAGEMENT
40	0845PY171038	HIMANSHU RANJAN MISHRA	Mrs. Arti Majumdar	Waste Management: A review
41	0845PY171039	HIMANSHU VERMA	Mrs. Arti Majumdar	RETAIL PHARMACY MANAGEMENT
42	0845PY171040	HITESH PATIDAR	Mrs. Arti Majumdar	
43	0845PY171041	JAYA	RITESH PATEL	A REVIEW ON HOSPITAL PHARMACY
44	0845PY171042	JEEVAN SINGH GURJAR	RITESH PATEL	CONCEPT OF RETAIL PHARMACY
45	0845PY171043	JEEVANDEEP MISHRA	RITESH PATEL	CONCEPT OF JANAUSHADHI KENDRA
46	0845PY171044	KAMAD VERMA	RITESH PATEL	WASTE MANAGEMENT SYSTEM IN MEDICINE
47	0845PY171045	KULDEEP	RITESH PATEL	HOSPITAL PHARMACY
48	0845PY171046	LAKHAN LOVEWANSHI	RITESH PATEL	HOSPITAL PHARMACY
49	0845PY171047	LAXMIKANT PAWAR	RITESH PATEL	CONCEPT OF JANAUSHADHI KENDRA
50	0845PY171048	MANSI GARG	Mr. Rohit Sahu	
51	0845PY171049	MANSI UPADHYAY	Mr. Rohit Sahu	
52	0845PY171050	MAYURI CHOUHAN	Mr. Rohit Sahu	


Principal

53	0845PY171051	MOHIT PANCHAL	Mr. Rohit Sahu	
54	0845PY171052	MURTAZA SINGAPURWALA	Mr. Rohit Sahu	
55	0845PY171053	MUSTAFA UJJAINWALA	Mr. Rohit Sahu	
56	0845PY171054	NAMAN KHEDE	Gaurav Sarsodia	Biomedical Waste Management
57	0845PY171055	NAVNEET CHOUHAN	Gaurav Sarsodia	Concept of Jan Ashuadhi Kendra
58	0845PY171056	NEHA KHANZODE	Gaurav Sarsodia	Internship in a community Pharmacy
59	0845PY171057	NEHA PATIDAR	Gaurav Sarsodia	
60	0845PY171058	NIEL RAVI DANIEL	Gaurav Sarsodia	Hospital Pharmacy
61	0845PY171059	NILESH ADLAK	Gaurav Sarsodia	community Pharmacy Introduction, Regulatic
62	0845PY171060	OSAMA KHAN	Gaurav Sarsodia	Hospital Pharmacy
63	0845PY171061	PANKAJ PATIDAR	Gaurav Sarsodia	Concept of Retail Pharmacy
64	0845PY171062	PAYAL BAGHEL	Nayany Sharma	hospital pharmacy
65	0845PY171063	POOJA PATEL	Nayany Sharma	CONCEPT OF JAN AUSHADHI KENDRA
66	0845PY171064	PRAFUL BARASKAR	Nayany Sharma	HOSPITAL PHARMACY
67	0845PY171065	PRAGYA BAJPAI	Nayany Sharma	hospital pharmacy
68	0845PY171066	PRANSHUL ARORA	Nayany Sharma	CLINICAL PHARMACY- INTRODUCTION, REGU
69	0845PY171067	PRASHANT JAISWAL	Nayany Sharma	HOSPITAL PHARMACY
70	0845PY171068	PRIYANSHI PATIDAR	Nayany Sharma	Retail Pharmacy
71	0845PY171069	RAJ MADWA	Nayany Sharma	CONCEPT OF RETAIL PHARMACY
72	0845PY171070	RAJESH VERMA	Neha Kamalpuria	ONLINE PHARMACY
73	0845PY171071	RAMAYAN PATEL	Neha Kamalpuria	A Review on the Hospital Pharmacy
74	0845PY171072	RISHAH PATIDAR	Neha Kamalpuria	CONCEPT OF RETAIL PHARMACY
75	0845PY171073	ROHIT KENE	Neha Kamalpuria	A Practise School Report On Hospital Pharma
76	0845PY171074	SAIFUDDIN JAORAWALA	Neha Kamalpuria	INTRODUCTION AND MANAGEMENT OF COM
77	0845PY171075	SAMPAT SINGH TANWAR	neha kamalpuria	An Overview on Retail Pharmacy
78	0845PY171076	SANJAY BHAYAL	neha kamalpuria	
79	0845PY171078	SHAHID	Neha Kamalpuria	CONCEPT OF JAN AUSHADHI KENDRA
80	0845PY171079	SHARIF KHAN	Ms. Rupali Sontakke	


 Principal
 Indore Institute of Pharmacy,
 INDORE (M.P.)

81	0845PY171080	SHIKHA CHOUBEY	Ms. Rupali Sontakke	
82	0845PY171081	SHIVAM GUPTA	Ms. Rupali Sontakke	
83	0845PY171082	SHIVAM NATH TRIPATHI	Ms. Rupali Sontakke	
84	0845PY171083	SHOHEB SHAH	Ms. Rupali Sontakke	
85	0845PY171084	SHUBHAM MALI	Ms. Rupali Sontakke	
86	0845PY171085	SHUBHAM SINGH CHOUHAN	Ms. Rupali Sontakke	
87	0845PY171086	SONIKA PATIDAR	Ms. Rupali Sontakke	
88	0845PY171087	SOURAH HARDIYA	Mr. Kuldeep Vinchurkar	
89	0845PY171088	SUNIL SOLANKI	Mr. Kuldeep Vinchurkar	
90	0845PY171089	TOKIR MANSURI	Mr. Kuldeep Vinchurkar	
91	0845PY171090	TUFAIL AHMAD KHAN	Mr. Kuldeep Vinchurkar	
92	0845PY171091	UDIT SHARMA	Mr. Kuldeep Vinchurkar	
93	0845PY171092	UJJAWAL BHAWSAR	Mr. Kuldeep Vinchurkar	
94	0845PY171093	VARDHMAN JAIN	Mr. Kuldeep Vinchurkar	
95	0845PY171094	VIKAS CHOUHAN	Mr. Kuldeep Vinchurkar	
96	0845PY171095	VIKASH SINGH	Ms. Rupali Sontakke	
97	0845PY171097	YASHASHWI SHRIVASTAV	Ms. Himani	
98	0845PY171098	YASHASVI SHARMA	Komal mahajan	An overview on community pharmacy
99	0845PY183D01	MOHIT KARODE	Komal mahajan	HOSPITAL PHARMACY MANAGEMENT
100	0899PY171005	ARPITA DUBEY	Deepika Bhawsar	Hospital Pharmacy
101	0845PY151028	Hariom Malviya		


 Principal
 Indore Institute of Pharmacy,
 INDORE (M.P.)



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331




HOSPITAL PHARMACY

**A PRACTICE SCHOOL SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2021-2022**

**Submitted by
Rishabh Jain
0845PY181060**

**Supervised by
Mr. Rohit Sahu
Asst. Professor
IIP, Indore**


**Principal
Indore Institute of Pharmacy,
INDORE (M.P.)**

HOSPITAL PHARMACY




A PRACTICE SCHOOL SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2021-2022

Submitted by
Udit Maheshwari

Supervised by
Mr. Kuldeep Vinchurkar
Assistant Professor



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


CONCEPT OF JANAUSHADHI KENDRA



A PRACTICE SCHOOL REPORT SUBMITTED TO
RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2021-2022

Submitted by
Harshita Mandloi
0845PY181031

Supervised by
Dr. Priya Jain
Associate Professor


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331

HOSPITAL SURVEY ON COVID-19 CASES



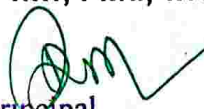
A SCHOOL PRACTICE REPORT SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2021-2022

Submitted by
MUSKAN SHRIVASTAVA
0845PY181049

Supervised by
Mr. DARSHAN JAMINDAR
Assistant Professor



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


HOSPITAL PHARMACY



**A PRACTICE SCHOOL SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWA VIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR
AWARD OF THE DEGREE OF
BACHELOR OF PHARMACY
2021-2022**

Submitted by
SHIVAM SINGH
0845PY181079

Supervised by
Mrs. NAYANY SHARMA
Asst. Professor
IIP Indore


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

**Indore Institute of Pharmacy
"Career Development Cell (CDC)"**

Workshop on Aptitude & Personality development

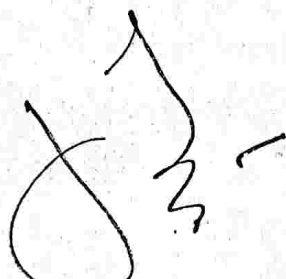
Objective of workshop: Students must be aware about the need of English as spoken language for jobs and higher education. Aptitude & Reasoning will help them to develop logical thinking and approach and will be helpful for their placements


Content delivered:

Explanation about solving methods of various verbal ability and Aptitude topics for various competitive exams and campus placement tests. How to use grammar and vocabulary for communication in the English language and how to solve mathematics & reasoning problems within time limit.


What Students will learn

1. Improve your English for everyday communication
2. Speak with greater fluency, accuracy, and confidence
3. Expand your vocabulary through vocabulary-development strategies
4. The program incorporates professional communication
5. Aptitude sessions will help to develop analytical skills & Speed calculations.


L.J. Brown


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Indore Institute of Pharmacy
"Career Development Cell (CDC)"

Date: 10/08/2020

Notice

This is to inform that "Career Development Cell" is conducting an online workshop on "Aptitude & Personality Development" for the final year students (B.Pharma) of IIP from 17/08/2020 to 20/08/2020(10:30am to 1:30pm).




(Leonard J. Brown)
Director (CDC)

Copy to:

1. DG Office
2. Principal - IIP
3. HOD-B.pharm.




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Indore Institute of
Pharmacy

Indore Institute of
Pharmacy

Affiliated to - AICTE (Pharm) & Approved by - PCI (Drug Tech) & P.E. New Delhi



INSTITUTION'S
INNOVATION
COUNCIL
(Member of IIP Initiative)



MIC

Certificate of Participation

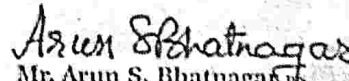
This certificate is awarded to


Mr./Ms. Paful Baraskar
for active participation in
in online workshop on the title
"Aptitude & Personality Development"
organized by Indore Institute of Pharmacy from 17th to 20th August, 2020




Mr. Sandip Patil
Coordinator


Dr. Dinesh K. Mishra
PRINCIPAL - IIP


Mr. Arun S. Bhatnagar
Director General
IIST-IIP-IIMR


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Indore Institute of
Pharmacy

Indore Institute of
Pharmacy

Affiliated to: B.P.U. (Dissolved) & Approved by: AICTE (New Delhi) & PCI (New Delhi)



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD, Govt. of India)



MIC


Certificate of Participation

This certificate is awarded to

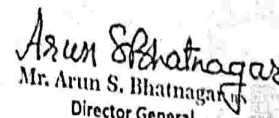
Mr./Ms. Aman Gupta
for active participation in
online workshop on the title
"How to crack Personal Interview"
organized by Indore Institute of Pharmacy on 16 March, 2022




Mr. Sandip Patil
Coordinator


Dr. Dinesh K. Mishra
PRINCIPAL - IIP

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


Mr. Arun S. Bhatnagar
Director General
IIST-IIP-IIMR



Workshop on "Campus to Corporate"
Organized By: CDC Department Date: 3rd June, 21

For IIP 3rd Year Students
Date: 7th June to 12th June 2021

Total Duration: 18 Hours
Time 10 AM to 01:00 PM

Sessions Details:

DAY 1: A) the Stranger: Stranger sessions incorporate the "Understanding Ability of self." (10:00 am to 11:20 am) L. J. Brown

B) Puzzles (11:30 to 1:00 PM)

DAY 2: A) Group Discussions: Information seeker and giver (10:00 am to 11:20 am) Rahul Rai Nigam

B) Calendar (11:30 to 1:00 PM)

DAY 3: A) Crazy Story: Creating stories of Achievements and Credible Moments (Talking, Communicating and Interacting) (10:00 am to 11:20 am) L. J. Brown

B) Blood Relation (11:30 to 1:00 PM)

DAY 4: A) the Investigator: Questioning & Interview Skills, (10:00 am to 11:20 am) Miss. Jaya Singh

B) Direction (11:30 to 1:00 PM)

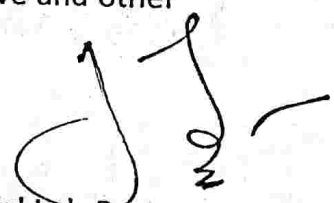
DAY 5: A) Awareness: Understanding Common Sense, Initiator (10:00 am to 11:20 am) Rahul Rai Nigam

B) Clock (11:30 to 1:00 PM)


DAY 6: A) the CV Writing: To write an effective Profile & Objective and other Details, (10:00 am to 11:20 am) L. J. Brown

B) Syllogism (11:30 to 1:00 PM)

It's Mandatory for All STUDENTS (Attendance will be counted).


Leonard Jude Brown
Director and HOD of CDC




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

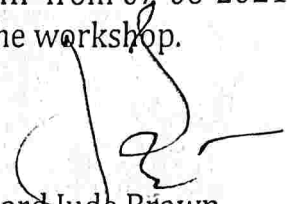
R.

**Indore Institute of Pharmacy
"Career Development Cell (CDC)"**

Date: 04/06/2021

NOTICE


This is to inform that CDC (Career Development Cell) is organizing an online workshop "**Campus to corporate**" for 3rd year students of IIP from 07-06-2021 to 12-06-2021. It is mandatory for all the students to attend the workshop.


Leonard Jude Brown
Director and HOD of CDC

Copy to:

1. Director General
2. Principal IIP
3. HODs




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



**Indore Institute of
Pharmacy**

Affiliated to - BPPU(Bhopal) & Approved by - Dr. T. J. Row Both J & P, New Delhi.



Certificate of Participation

This certificate is awarded to


Mr./Ms. Deepak Parida
for active participation in
online workshop on the title
"Campus to Corporate"
organized by Indore Institute of Pharmacy from 7th to 12th June , 2021




Mr. Sandip Patil
Coordinator


Dr. Dinesh K. Mishra
PRINCIPAL - IIP


Mr. Arun S. Bhatnagar
Director General
IIST-IIP-IIMR


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



GURU GOBIND SINGH COLLEGE OF PHARMACY YAMUNA NAGAR



CERTIFICATE

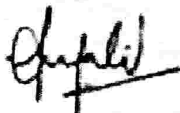
This is to certify that Mr. /Ms. /Dr. Priyanshi jain
has participated in one day NATIONAL WORKSHOP on "Emerging Trends in Research Methodology" at
Guru Gobind Singh College of Pharmacy, Yamuna Nagar on 21th May 2022.


Dr. Kumar Guarve
Convener


Dr. Ashwani K. Dhingra
Co-convener


Dr. Priyanka Kirplani
Co-ordinator


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


Dr. Anjali Sharma
Organizing Secretary



GURU GOBIND SINGH COLLEGE OF PHARMACY YAMUNA NAGAR



CERTIFICATE

This is to certify that Mr. /Ms. /Dr. Yash Rawka.....

has participated in one day NATIONAL WORKSHOP on "Emerging Trends in Research Methodology" at

Guru Gobind Singh College of Pharmacy, Yamuna Nagar on 21th May 2022.

Dr. Kumar Guarve
Convener

Dr. Ashwani K. Dhingra
Co-convener

Dr. Priyanka Kirplani
Co-ordinator

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Dr. Anjali Sharma
Organizing Secretary



Certificate of Participation

GAYATRI PATIL

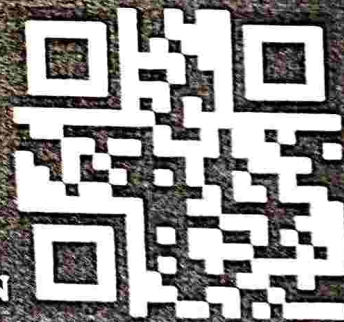
has attended 2-Days LIVE Online Workshop on
Artificial Intelligence with Zero Coding with E-humans

Chetan Sharma

CHETAN SHARMA
Cofounder E-humans
NO-CODE AI Expert

> e <
ehumans

WWW.EHUMANS.IN



Certificate

This is to certify that Mr./Ms. Huzefa Isachchawala has participated in
two.... days workshop on "Hands on Pharmaceutical Engineering
Instrumente " from 2nd - 3rd March 2020 Organized
by Indore Institute of Pharmacy, Indore (M.P.).

Nayana
Co-ordinator

[Signature]
H.O.D.

[Signature]
Principal

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)
Arun Sphatnagar
Director General

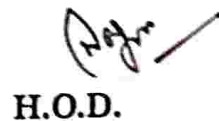
Certificate

This is to certify that Mr./[✓]Ms. Sweta Yadav has participated in
two.... days workshop on "Hands on Pharmaceutical Engineering Instruments
" from 2nd - 3rd March 2020 Organized
by Indore Institute of Pharmacy, Indore (M.P.).

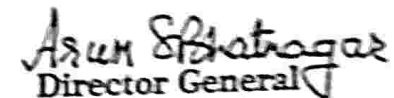

Principal

Indore Institute of Pharmacy,
INDORE (M.P.)


Co-ordinator



H.O.D.


Principal

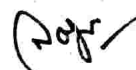

Director General

Certificate


This is to certify that Mr./Ms. Sakshi Wagadve has participated in
two... days workshop on "Hands on Pharmaceutical Engineering Instruments
" from 2nd & 3rd March, 2020 Organized
by Indore Institute of Pharmacy, Indore (M.P.).


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


Coordinator


H.O.D.


Principal


Arun Sphatnagar
Director General

**QUALIFICATION OF MANUFACTURING
EQUIPMENT USED IN PHARMACEUTICAL
INDUSTRIES**



**A PROJECT SUBMITTED
TO**


**RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA,
BHOPAL TOWARDS PARTIAL FULFILLMENT OF THE
REQUIREMENT FORWARD OF THE DEGREE OF
MASTER OF PHARMACY**

(QUALITY ASSURANCE)

2020-22

**Supervised by
Dr. Gurmeet Chhabra
Professor, IIP, Indore**

**Submitted by
Ms. Anita Patidar
Enl. No.- 0845PY20MP13**


**Principal
Indore Institute of Pharmacy,
INDORE (M.P.)**



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331

CERTIFICATE

This is to certify that the project entitled “QUALIFICATION OF MANUFACTURING EQUIPMENT USED IN PHARMACEUTICAL INDUSTRIES” submitted by “Ms. Anita Patidar” Enrollment No. “0845PY20MP13” to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, for partial fulfillment of the requirement for the award of the degree of Master of Pharmacy (Quality Assurance), is a record of independent research work carried out by the student under my supervision. I also certify that this work or any part thereof has not been submitted earlier to award any other degree at this or any other university.

Candidate Name- Ms. Anita Patidar

Enrollment No.- 0845PY20MP13

Project Supervisor- Dr. Gurmeet Chhabra

PRINCIPAL
Dr. Dinesh Kumar Mishra


Principal
Indore Institute of Pharmacy.
INDORE (M.P.)




INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331

RECOMMENDATION

This is to certify that the project entitled – **QUALIFICATION OF MANUFACTURING EQUIPMENT USED IN PHARMACEUTICAL INDUSTRIES** submitted to by “Ms. Anita Patidar” enrollment no. “0845PY20MP13” to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, for partial fulfillment of the requirement for the award of the degree of Master of Pharmacy (Quality Assurance), is a record of independent research work carried out by the student under the supervision of **Dr. Gurmeet Chhabra**. This work or any part thereof has not been submitted earlier to award any other degree of this or any other university. I recommend the thesis for submission to the university.

Dr. Dinesh Kumar Mishra

Principal


Principal
Indore Institute of Pharmacy
INDORE (M.P.)




INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331

ACKNOWLEDGMENT

The satisfaction that accompanies the successful completion of any task would be incomplete without the mention of people whose continued cooperation made it possible and whose constant guidance and encouragement crown all efforts with success. I am grateful to my guide “**Dr. Gurmeet Chhabra**” for the guidance, inspiration, and constructive suggestion which was helpful in the preparation of this project.

Ms. Anita Patidar


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



A PROJECT SUBMITTED TO
RAJIVGANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
TOWARDS PARTIAL FULFILLMENT OF THE REQUIREMENT FOR AWARD
OF THE DEGREE OF
MASTER OF PHARMACY (QUALITY ASSURANCE)
2019-2021


Co- Supervised by
Mr. Kushal Shrivastava
(PDL HEAD, ALKEM
LABORATORY LTD, INDORE)

Supervised by
Dr Gurmeet Chhabra
(PROFESSOR, IIP INDORE)

Submitted by
Aayushi Rajora
0845PY19MP05



INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Indore Institute
Of Pharmacy

INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331

CERTIFICATE


This to certify that the project entitled “ **Change control in Pharmaceutical Quality Management System**” Submitted by “**Aayushi Rajora**” Enrollment No. “0845PY19MP05” to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, for partial fulfilment of the requirement for the award of the degree of Master of Pharmacy (Quality Assurance), is a record of independent research/review work carried out by the student under our supervision. I also certify that this work or any part thereof has not been submitted earlier for the award of any other degree of this or any other university.

Name of Supervisor

Dr. Gurmeet Chhabra

Name of Co- Supervisor

Mr. Kushal Shrivastava


Principal
Indore Institute of Pharmacy
INDORE




Indore Institute
Of Pharmacy

INDORE INSTITUTE OF PHARMACY
Pithampur Road, Opp IIM, Rau, Indore 453331

Recommendation

This to certify that the project entitled – “**Change control in Pharmaceutical Quality Management System**” submitted by “**Aayushi Rajora**” enrolment no. “0845PY19MP05” to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, for partial fulfilment of the requirement for the award of the degree of Master of Pharmacy (Quality Assurance), is a record of independent research/review work carried out by the student under the supervision of **Dr Gurmeet Chhabra**. This work or any part thereof has not been submitted earlier for the award of any other degree of this or any other university. I recommend the synopsis for submission to university.

Principal
Dr. Dinesh Mishra


Principal
Indore Institute of Pharmacy.
INDORE (M.P.)

Indore Institute of Pharmacy, Indore

Name of the Resource Person: Mr. Sachin Batham
Axiom Analytical Service and Recruitment Agency,
Indore.

SIG : Sophisticated Instrument Handling Expertise


Subject : HPLC

No. of Hours : 30

Objective: provide exposure to the students about advances in the field of HPLC to be experienced and will give basics as well as practical aspects to beginners.

S. No.	Content	Number of hours
1.	Introduction of HPLC	6
2.	Basic HPLC System Components	6
3.	Demonstrate the operation	6
4.	Validation	6
5.	Calibration	6




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Indore Institute of
Science and Technology



Indore Institute of
Management and Research



Indore Institute
of Pharmacy

NOTE-SHEET

IIP/ Not sheet No.....

Date: 16/08/2022

To,

**The Director General
IIST/IIP/IIMR**

Subject: - Regarding SIG on Instrument Handling Expertise in IIP.

Respected Sir,

With reference to above mentioned subject, we are organizing SIG on Instrument Handling Expertise for M. Pharm. II Year students under MOU with Axiom Analytical Service and Recruitment Agency, Indore.

kindly give approval for persue SIG, and a budgetary allocation of INR 1000/per student (12) for the same.

Thank you

Dr. Dinesh Kumar Mishra
PRINCIPAL IIP



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Indore Institute of Pharmacy

Indore Institute of Pharmacy (Indore Polytechnic)

Affiliated to - RGPV(Bhopal) & Approved by - AICTE(New Delhi) & PCI(New Delhi)



SIG TRAINING

Program on

Sophisticated Instrument Handling Expertise

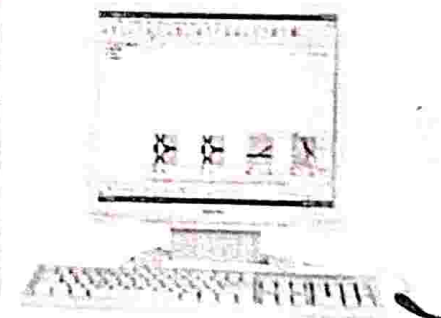
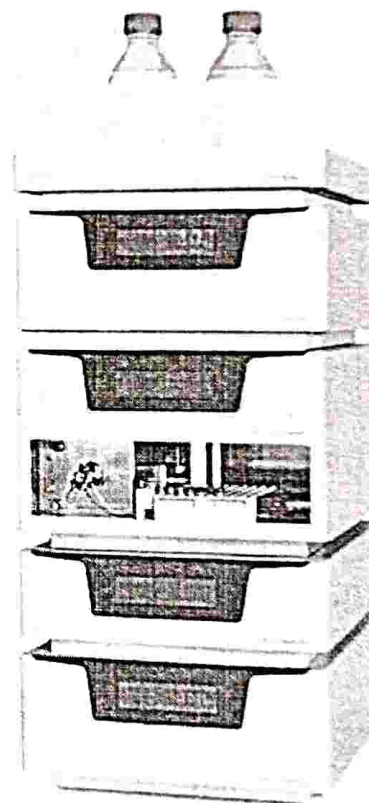
for M.Pharm. Sem-III
From: 12th July, 2022

Resource Person:
Mr. Sachin Batham

Axiom Analytical Service and Recruitment Agency, Indore

D.Pharm | B.Pharm | M.Pharm(Pharmaceutics & QA)

IIST Campus, Opp. IIM(Indore), Rau-Pithampur Road, Rau, Indore 453331(MP)
Toll Free: 1800 103 3069 | 822 507 1000 / 822 407 1000 / 822 407 4000(IIP)



Coordinator,
Mr. Gaurav Sarsodia
Asst. Prof. IIP, Indore

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Indore Institute of Pharmacy

Indore Institute of Pharmacy

Approved by (MPC, Bhopal) & Approved by (AICTE, New Delhi) & (PDCHE, Delhi)



Certificate of Appreciation

Mr. Sachin Batham

Axiom Analytical Service and Recruitment Agency, Indore

for Conducting SIG as an Resource Person

“Sophisticated Instrument Handling Expertise”

on 12th-17th July, 2022

Dr. Dinesh K. Mishra
PRINCIPAL - IIP

Mr. Arun S. Bhatnagar
Director General
IIST-IIP-IIMR

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

TOPIC OF MY

**PRESENTATION –
RESOURCES**

SUB TOPIC –

MINERAL AND FOOD RESOURCES

**PRESENTED BY – AAYUSHI TIWARI
B PHARM. 1ST YEAR**

A.T.
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

2
Pres
21-22

STRUCTURE AND FUNCTION OF ECOSYSTEM

PRESENTED BY

ABHISHEK DHAKAD

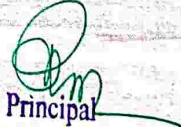
KUNAL NEHE

ADITYA AGNIHOTRI


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

WATER POLLUTION


PRESENTED BY- ABHISHEK PRASAD
ADITYA AGNIHOTRI


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

AIR POLLUTION




By Anjali Joshi and
Abhay Singh Thakur


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

DRUGS (PRICE CONTROL) ORDER 1995

Presented by


Principal
Indore Institute of Pharmacy,
Indore (M.P.)


Aditi yadav

D.P.6
21-22



DRUG ABUSE AND DRUG DEPENDENCE

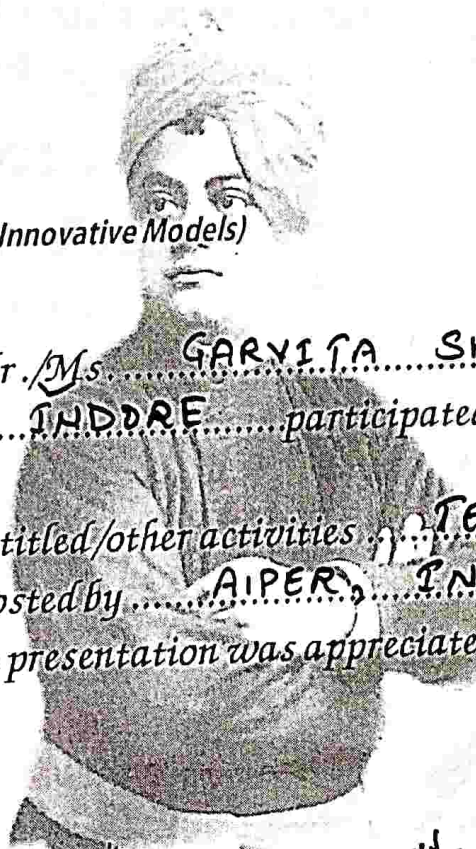
Presented by
Aditi yadav


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)
INDIA



सृजन
SRIJAN

(Festival of Technical Papers & Innovative Models)



This is to certify that Mr./Ms. GARVITA SHARMA
student of I.P., INDRE participated in SRIJAN - 2020

He/she presented model titled/other activities TECH. POSTER
in PHARMACY (Branch) hosted by AIPER, INDRE

His/her work as well as presentation was appreciated.

Ar. Amogh Kumar Gupta
Chairman Srijan 2019
Chairman - S.P.A., New Delhi

Prasanna K. Sharma
Convenor Srijan 2019
Chairman-Sister Nivedita Techniki Shiksha Samiti

Principal / Director
Host Institute

Coordinator
Host Institute

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Board of Research and Nucleus Sciences
Sponsored National Symposium

Certificate
01st February 2020



This is to certify that
Dr./ Mr./ Ms. Gavita Sharma
from Indore Institute of Pharmacy
has participated in



*“Radiotracer Techniques: Improve Nutritional Status and Health
of Plants & Animals” held at*


Chameli Devi Institute of Pharmacy Indore




Organizing Chairman


Coordinator


Convener


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CHAMELI DEVI INSTITUTE OF PHARMACY, INDORE
BRNS SPONSERED NATIONAL SYMPOSIUM

1st February 2020

Certificate




This is to certify that Ms. Garvita Sharma, JIP, Indore has participated in National Symposium on "RADIOTRACER TECHNIQUES; IMPROVE NUTRITIONAL STATUS AND HEALTH OF PLANTS & ANIMALS" conducted on 01st February 2020 and presented poster on _____


N. Anandujig


For and On behalf of




Dr. Arun Kumar Gupta
Organizing Chairman


Mr. Ashish K Parashar
Coordinator


Mr. Sourabh Jain
Convener


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CERTIFICATE



This is to certify that

Dr./ Mr./ Ms. *Garvita*.....

from *I.D.P., Indore*.....has won *Consolation*..prize in poster
presentation on topic

.....
during BRNS Sponsored National Symposium on
"Radiotracer Techniques: Improve Nutritional Status and Health of Plants & Animals"

held on 01st February 2020 at

Chameli Devi Institute of Pharmacy Indore

Flan
★ Organizing Chairman

A
Coordinator

[Signature]
★ Convener ★

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

DESIGNO

Website Design Competition

Certificate of Participation

This is to certify that
Mr./ Ms. Bhagyashree yadav
actively participated in the

"DESIGNO"

A Website Design Competition,
organized by Indore Institute of Science and Technology
from 25-29 May, 2021.

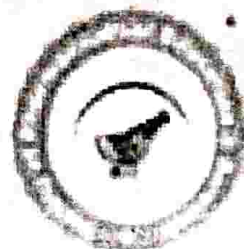
Arun S. Bhatnagar
Arun S. Bhatnagar (IIS)
Director General
IIST, MP, INDIA



[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



SYSTOPIC



IDEAL

SPER NATIONAL E-POSTER COMPETITION

Theme

"Impact of social distancing, lockdown and innovations on the spread of COVID-19"

Organized by - Society of Pharmaceutical Education & Research (SPER) India

MAY 17, 2020

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Mrs./Ms. FATEMA KUKSHIWALA

has participated in the SPER national online e-poster competition

[Signature]

Prof. Dr. J. R. S. Bhattar
Associate Professor, Faculty of Medicine
University of Ottawa
Ottawa, Canada

[Signature]

Prof. (Dr.) E. S. Gupta
President
Society of Pharmaceutical Education
& Research (SPER)

[Signature]

Dr. Suresh Gupta
Secretary
Society of Pharmaceutical Education
& Research (SPER)

[Signature]

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

COVID-19

GRY INSTITUTE OF PHARMACY, BORAWAN



Certificate of Participation

This is to certify that

Fatema kukshi wala

Has successfully participated in national level Poster Competition on "COVID-19" awareness organized by GRY Institute of Pharmacy, Borawan, MP


We thank you for the participation.

Dr. Sujit Pillai
Principal

5/16/2020

Prabhat
Mr. Prabhat Das
Organizing Secretary

Mr. Rampal Mandloi
Organizing Secretary


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CHAMELI DEVI INSTITUTE OF PHARMACY, INDORE

BRNS SPONSERED NATIONAL SYMPOSIUM

1st February 2020



Certificate




This is to certify that Ms. Sweta Yadav, IIP, Indore has participated in National Symposium on "RADIOTRACER TECHNIQUES: IMPROVE NUTRITIONAL STATUS AND HEALTH OF PLANTS & ANIMALS" conducted on 01st February 2020 and presented poster on Nuclear Medicine :-


A revolution in Health Care.


For and On behalf of




Dr. Arun Kumar Gupta
Organizing Chairman


Mr. Ashish K Parashar
Coordinator


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


Mr. Sourabh Jain
Convener

CERTIFICATE



This is to certify that

Dr/ Mr/ Ms. *Shweta Yadav*.....

from *I.I.P., Indore*..... has won *Third*..... prize in poster

presentation on topic

“ *Quelcer medicine - a revolution in healthcare.* ”

during BRNS Sponsored National Symposium on


“*Radiotracer Techniques: Improve Nutritional Status and Health of Plants & Animals*”

held on 01st February 2020 at

Chameli Devi Institute of Pharmacy Indore


★ Organizing Chairman


Coordinator


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


Convener ★

Board of Research and Nucleus Sciences
Sponsored National Symposium

Certificate
01st February 2020

This is to certify that

Dr./ Mr./ Ms. *S. S. Yadav*

from *Indore Institute of Pharmacy*

has participated in

*“Radiotracer Techniques: Improve Nutritional Status and Health
of Plants & Animals” held at*

Chameli Devi Institute of Pharmacy Indore

Heer
Organizing Chairman

A
Coordinator

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

[Signature]
Convener



ORIENTAL UNIVERSITY, INDORE



NATIONAL CONFERENCE

ON

“RECENT ADVANCEMENTS IN PHARMACEUTICAL
AND BIO SCIENCES”



SUPPORTED BY

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH (IJPSR)

SEPTEMBER 17th, 2019

Certificate

This is to certify that Dr./Ms./ Mr. Sweta Yadavof
IIP, Indore

has participated as Delegate/Participant/Volunteer in National Conference on “Recent
Advancements in Pharmaceutical and Bio Sciences” at Oriental College of Pharmacy
and Research, Oriental University, Indore (M.P.).



Unnati Publication
Leading Pharma Book Publisher

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

PROF. (Dr.) M. K. GUPTA
CONVENER AND DEAN, PHARMACY



Ministry of Culture
Government of India

CERTIFICATE

OF PARTICIPATION

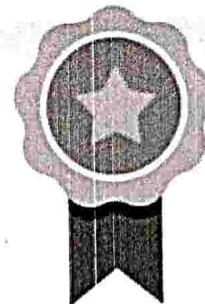
THIS CERTIFICATE IS AWARDED TO

Sweta yadav

FOR SUCCESSFUL PARTICIPATION IN **RASHTRAGAAN**,
AN INITIATIVE BY THE MINISTRY OF CULTURE TO MARK **AZADI KA AMRIT MAHOTSAY**.
YOUR VIDEO WILL BE COMPILED WITH THOSE OF OTHER PARTICIPANTS AND RELEASED ON 15TH AUGUST 2021,
TO SET A RECORD OF THE MAXIMUM NUMBER OF INDIANS SINGING THE NATIONAL ANTHEM TOGETHER!

JAI HIND


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)





1 MP GIRLS BATTALION NCC, INDORE

COMBINED ANNUAL TRAINING CAMP



CERTIFICATE OF PARTICIPATION

It is to certify that No. MP20SWA409454 Rank CDT Name Sweta Yadav

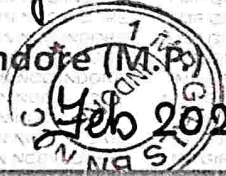
1/D/0 Shri B. S. Yadav of Govt. BPP PG College School/College

has successfully completed Combined Annual Training Camp w.e.f. 09 Feb 22 to 13 Feb 22

at Govt. Girls School Nilou Nagar Indore conducted by 1 MP Girls Battalion NCC, Indore.

Place : Indore (M.P.)

Dated : 09 Feb 2022



Camp Commandant
[Signature]
INDORE

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



ORIENTAL UNIVERSITY, INDORE

NATIONAL CONFERENCE

ON

“RECENT ADVANCEMENTS IN PHARMACEUTICAL AND BIO SCIENCES”



SUPPORTED BY

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH (IJPSR)

September 17th, 2019

Certificate

This is to certify that Dr./^{Ms.}/Mr. Shweta Yadav of IIP, Indore

has presented a poster titled Mobile cancer screening :- A review

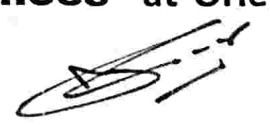
and secured 1st position in National Conference on

“Recent Advancements in Pharmaceutical and Bio Sciences” at Oriental College of Pharmacy & Research, Oriental University, Indore (M.P.).



Unnati Publication
Leading Pharma Book Publisher

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

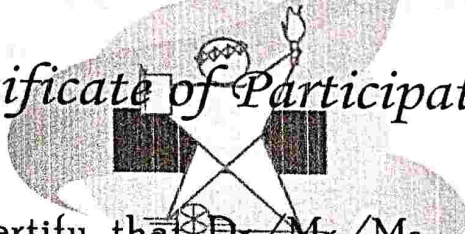


PROF. (Dr.) M. K. GUPTA
CONVENER AND DEAN, PHARMACY



One Day International Colloquium
on
Global Integration of Opportunities in Healthcare Management
October 31, 2018

Certificate of Participation



It gives us immense pleasure to certify that Dr./Mr./Ms. Sweta yadav
of Indore Institute of Pharmacy (IIP)
participated in IPSAPHARM-2018 organized by IPS Academy College of Pharmacy, Indore (M.P.) on
31st October 2018.

Sponsored and Motivated by



Dr. D. K. Jain
Convener



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)





Dr. Neelam Balekar
Organizing Secretary



ORIENTAL UNIVERSITY, INDORE

NATIONAL CONFERENCE

ON

"RECENT ADVANCEMENTS IN PHARMACEUTICAL AND BIO SCIENCES"



SUPPORTED BY

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH (IJPSR)

September 17th, 2019

Certificate

This is to certify that Dr./Ms./Mr. Shweta Yadav of IIP, Indore

has presented a poster titled Mobile cancer screening :- A review and secured X position in National Conference on

"Recent Advancements in Pharmaceutical and Bio Sciences" at Oriental College of Pharmacy & Research, Oriental University, Indore (M.P.).



Unnati Publication
Leading Pharma Book Publisher

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

PROF. (Dr.) M. K. GUPTA
CONVENER AND DEAN, PHARMACY



GRY INSTITUTE OF PHARMACY, BORAWAN



Certificate of Participation

This is to certify that

Sweta yadav

Has successfully participated in national level Poster Competition on "COVID-19" awareness organized by GRY Institute of Pharmacy, Borawan, MP

We thank you for the participation.

Dr. Sujit Pillai
Principal

5/16/2020

Mr. Prabhat Das
Organizing Secretary

Mr. Rampal Mandloi
Organizing Secretary

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



CERTIFICATE OF APPRECIATION

This Certificate is Awarded to

SWETA YADAV

For securing position

FIRST

In

National Level Poster Competition

Organized by



**GRY INSTITUTE OF PHARMACY,
BORAWAN, MP.**

Dr. Sujit Pillai
PRINCIPAL

Mr. Prabhat Das
ORGANIZING
SECRETARY

Mr. Rampal Mandloi
ORGANIZING
SECRETARY

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



www.IndoreInstitute.com

Indore Institute of Pharmacy

Affiliated to - RGPV(Bhopal) | Approved by - AICTE(New Delhi) & PCI(New Delhi)

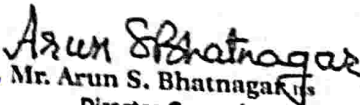
Certificate of Achievement

*This certificate of Achievement is presented to
Ms. Sweta Yadav*

*For securing 1st position in e-Poster Competition under theme
Transforming Global Health on the occasion of World Pharmacist
Day conducted on 25th September, 2020 organized by
Indore Institute of Pharmacy, Indore*


Dr. Dinesh K. Mishra
PRINCIPAL - IIP


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


Mr. Arun S. Bhatnagar
Director General
IIST-IIP-IIMR

CERTIFICATE OF PARTICIPATION



**सृजन
SRIJAN**

(Festival of Technical Papers & Innovative Models)

This is to certify that Mr./Ms. HUZefa KACHCHAWALA
student of IIP, INDORE participated in SRIJAN - 2020

He/she presented model titled/other activities TECH. POSTER
in PHARMACY (Branch) hosted by AIPER, INDORE

His/her work as well as presentation was appreciated.

Ar. Amogh Kumar Gupta
Chairman Srijan 2019
Chairman - S.P.A., New Delhi

Prasanna K. Sharma
Convener Srijan 2019
Chairman-Sister Nivedita Technika Shiksha Samiti

Principal / Director
Host Institute

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Coordinator
Host Institute



ORIENTAL UNIVERSITY, INDORE

NATIONAL CONFERENCE

ON

"RECENT ADVANCEMENTS IN PHARMACEUTICAL
AND BIO SCIENCES"



SUPPORTED BY

INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH (IJPSR)

September 17th, 2019

Certificate

This is to certify that Dr./Ms./Mr. Huzefa Kachchawala of
Indore Institute of Pharmacy

has presented a poster titled Three Dimensional Drug Printing : A Revolution
in Pharmaceutical Science and secured 1st position in National Conference on

"Recent Advancements in Pharmaceutical and Bio Sciences" at Oriental College of
Pharmacy & Research, Oriental University, Indore (M.P.).



First Publication
Leading Pharma Book Publisher

Principal

Indore Institute of Pharmacy,
INDORE (M.P.)

PROF. (Dr.) M. K. GUPTA

CONVENER AND DEAN, PHARMACY

COVID-19

GRY INSTITUTE OF PHARMACY, BORAWAN



Certificate of Participation

This is to certify that


Gayatri Patil


Has successfully participated in national level Poster Competition on "COVID-19" awareness organized by GRY Institute of Pharmacy, Borawan, MP


We thank you for the participation.


Dr. Sujit Pillai
Principal

5/16/2020


Mr. Prabhat Das
Organizing Secretary


Mr. Rampal Mandloi
Organizing Secretary


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Malla Reddy College of Pharmacy


Maisammaguda, Dhulapally, Secunderabad-500100



CERTIFICATE OF APPRECIATION


This is to certify that Dr/Mr/Mrs/Ms. Sakshi wagadre has performed excellently in the online quiz on Quality Assurance in Pharmaceutical Industry on 6/7/2020 conducted by Malla Reddy College of Pharmacy.

With best compliments from:
Shri CH. Mahender Reddy
Secretary


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Dr. S. Sridhar
Coordinator



Dr. M. Sudhakar
Principal

CTV1XI-CE000772

Board of Research and Nucleus Sciences
Sponsored National Symposium

Certificate

01st February 2020

This is to certify that

Dr./ Mr./ Ms. *Sakshi... Wagadxe*.....

from ... *Indore... Institute... of... Pharmacy*.....

has participated in

*“Radiotracer Techniques: Improve Nutritional Status and Health
of Plants & Animals” held at*

Chameli Devi Institute of Pharmacy Indore



[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



[Signature]
Organizing Chairman

[Signature]
Coordinator

[Signature]
Convener

Certificate of Participation

This certificate is awarded to
Sakshi Wagadre
for participation in webinar on
Unit operations in Pharmaceutical Industry
on 28th June 2020, organized by Indore Institute
of Pharmacy
in association with IPGA, MP State Branch.

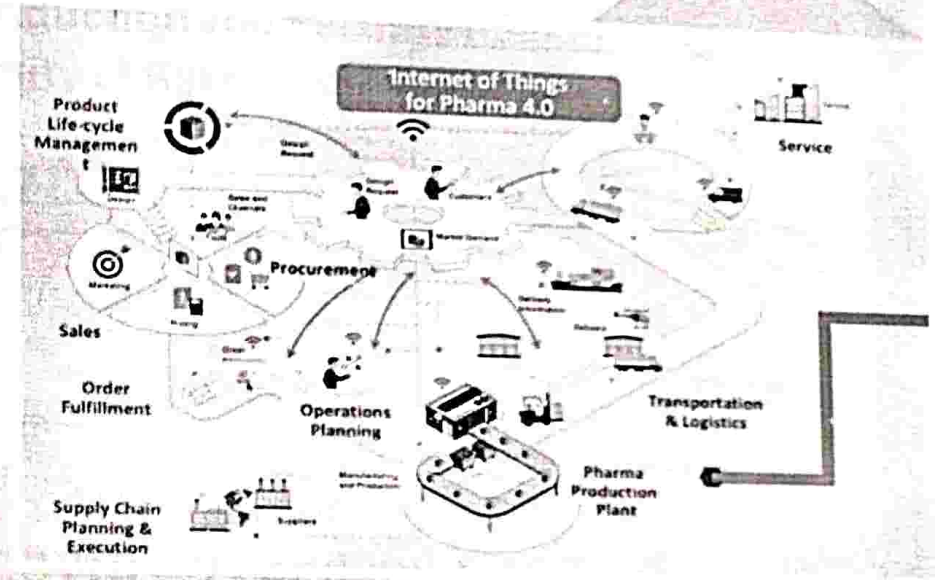
Certificate IDX4V6DA-CE000053

Dr. Karunakar Shukla
President, IPGA, MP State Branch

Dr. Dinesh K. Mishra
PRINCIPAL - IIP

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Arun S. Bhatnagar
Arun S. Bhatnagar (IRS)
Director General
IIST, IIP, IIMR





National Webinar on
Adolescent Health During COVID-19 Pandemic

Organized by

Indian Society for the Study of Reproduction and Fertility (ISSRF)
Department of Zoology, University of Rajasthan, Jaipur



Certificate

This is to certify that Prof. / Dr. / Mr. / Ms.
Sakshi Wagadre

Student of B.pharm

participated in the National Webinar on
Adolescent Health During COVID-19 Pandemic
held on 19th September, 2020.

ASAmm
Dr. A. S. Ansari
Convener

Barkha
Dr. Barkha Khilwani
Organizing Secretary

N. K. Lohiya
Prof. N. K. Lohiya
President - ISSRF

Principal
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CERTIFICATE



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Ms. Sakshi Wagadre (Second Position)

has participated in the National Level Poster competition on the occasion of "World Pharmacist Day" (25th Sept., 2021) on theme "Pharmacy: Always Trusted for Your Health" Organized by B. R. Nahata College of Pharmacy, Faculty of Pharmacy, Mandsaur University, Mandsaur (M.P.)



Dr. Rahul Trivedi
Co-ordinator



Ritesh Kala
Co-ordinator



Dr. Amit K Jain
Co-ordinator



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



GRY INSTITUTE OF PHARMACY, BORAWAN




Certificate of Participation


This is to certify that


Garima Vyas


Has successfully participated in national level Poster Competition on "COVID-19" awareness organized by GRY Institute of Pharmacy, Borawan, MP.

We thank you for the participation.


Dr. Sujit Pillai
Principal


Mr. Prabhhat Das
Organizing Secretary


Mr. Rampal Mandloi
Organizing Secretary


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

5/16/2020



Shirpur Education Society's

R. C. Patel

Institute of Pharmaceutical Education and Research

Shirpur, District Dahanu, M.S. 425 404

WDA No. 10/2010-11, 12/10/2010, 11/10/2010, 12/10/2010

WDA No. 10/2010-11, 12/10/2010, 11/10/2010, 12/10/2010

CERTIFICATE

Awarded to

Garima Vyas

*for your participation in National Level e-Poster Competition on "COVID-19"
held during May 2020 by R. C. Patel Institute of Pharmaceutical Education &
Research, Shirpur.*

Dr. A. A. Shikshedar
Coordinator &
Vice-Principal

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Dr. S. J. Surana
Principal

Certificate No. RCP/2020/2120, 21/05/2020

Registered Under MSME Act, Government of India
UAM - BU07E0023665



Flairs & Glairs

Certificate of Publication

This is presented to

Rayushi Arora

for being the Co-author of the book titled
"Glimpse of Harsh Reality"
compiled by Shivangi Jaiswal
published with "ISBN- 978-93-90799-39-8"
by Flairs and Glairs.

ISHANI AGARWAL
Co-Founder

SHUBHAM KUMAR SHARMA
Founder

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

INDIAN PHARMACY GRADUATES' ASSOCIATION (IPGA), UDAIPUR CHAPTER
AND
FACULTY OF PHARMACY, B. N. UNIVERSITY, UDAIPUR, (RAJ.)



Certificate of Participation

This is to certify that

AAYUSHI ARORA

Prof./Dr./Mr./Ms.
has participated in the "NATIONAL LEVEL ONLINE ESSAY COMPETITION 2020" on
"Covid-19: Management and Challenges for Pharmacist, Education and Society"
jointly organized by Indian Pharmacy Graduates' Association (IPGA), Udaipur Chapter and
Faculty of Pharmacy, B. N. University, Udaipur, (Raj.).

Prof. Y. S. Sarangdevoh
Dean, Faculty of Pharmacy
B. N. University, Udaipur

Dr. R. P. S. Rathore
President IPGA
Udaipur Chapter

Prof. C. S. Chauhan
Principal
BNIPS, Udaipur

Dr. Meenakshi Bharkatiya
Coordinator
Asso. Professor, BNIPS, Udaipur

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



SYSTOPIC



SPER NATIONAL E-POSTER COMPETITION

Theme
"Impact of social distancing, lockdown and innovations on the spread of COVID-19"

Organized by:- Society of Pharmaceutical Education & Research (SPER) India

MAY 17, 2020

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Mrs./Ms. AAYUSHI ARORA
has participated in the SPER national online e-poster competition

Prof. (Dr.) H. S. Khatkar
Adjunct Professor of Pharmacy Medicine
University of Indore
Indore, INDIA

Prof. (Dr.) B. G. Gupta
President
Society of Pharmaceutical Education
& Research (SPER)

Dr. Upendra Nigam
Secretary
Society of Pharmaceutical Education
& Research (SPER)

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Society of Pharmaceutical Education & Research (SPER)

Webinar & Poster Competition

Organized By : SPER Student Forum (Madhya Pradesh)

Theme

World against cancer : recent advancements and future prospects

CERTIFICATE
OF PARTICIPATION

This is to certify that

AAYUSHI ARORA

participated in the Webinar & Poster Competition as delegate and presented a poster

PROF. (DR.) B. MISHRA
Prof & Former Head
Indian Institute of Technology,
(BHU), Varanasi, India

DR. UPENDRA NAGAICH
Secretary,
Society of Pharmaceutical Education
& Research (SPER), India

MR. THOMSON SANTOSH ALEX
President,
SPER Student Forum - MP

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CERTIFICATE



This is to certify that

Dr./ Mr./ Ms. *Adyushi Shora*
from *ICP, Indore*

has won *Consolation* prize in poster

presentation on topic

Epitheloid Sarcoma - Symptoms and Treatment

during BRNS Sponsored National Symposium on

"Radiotracer Techniques: Improve Nutritional Status and Health of Plants & Animals"

held on 01st February 2020 at

Chartered Institute of Pharmacy Indore

[Signature]
★ Organizing Chairman

[Signature]
Coordinator

[Signature]
Convener ★

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Sponsored by
DAE-BRNS

NATIONAL SYMPOSIUM

CERTIFICATE



COVID-19 PANDEMIC; IMPACT ON GLOBAL
NUCLEAR MEDICINE &
RADIOPHARMACEUTICALS



Organized by

CHAMELI DEVI INSTITUTE OF PHARMACY

12th March 2022

We hereby confirmed that

Ayushi Anand (Indore Institute of Pharmacy)

has given the poster/ e-poster presentation on

"PET and SPECT in Covid-19"



For and On behalf of _____ and secured Ist position



Arun
Dr. Arun Kumar Gupta
Organizing Chairman

A
Mr. Ashish K Parashar
Coordinator

Sourabh
Mr. Sourabh Jain
Convener

Om
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



INTERNATIONAL
MODEL UNITED NATIONS



Australian Embassy
Vietnam & Thailand

Certificate of Appreciation

This Certificate Recognizes with Appreciation

AAYUSHI ARORA

For Successfully Participating as a Delegate in

IMUN ONLINE CONFERENCE 30.0

from November 7th - 8th, 2020

Mohneesh Bhardwaj

Mohneesh Bhardwaj
Executive Chairman

Galib Akhand

Galib Akhand
Academic Advisor



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CHAMBLI DEVI INSTITUTE OF PHARMACY, INDORE

BRNS SPONSERED NATIONAL SYMPOSIUM

1st February 2020



Certificate




This is to certify that Ms. Ayushi Arora, TJP, Indore has participated in National Symposium on "RADIOTRACER TECHNIQUES: IMPROVE NUTRITIONAL STATUS AND HEALTH OF PLANTS & ANIMALS" conducted on 01st February 2020 presented poster on _____

Epithelial carcinoma - Symptoms and treatment.

For and On behalf of




Dr. Arun Kumar Gupta
Organizing Chairman


Mr. Ashish K Parashar
Coordinator


Mr. Sourabh Jain
Convener


Principal

Indore Institute of Pharmacy,
INDORE (M.P.)

POSHAN
Abhiyaan
PM's Usha
Scheme for
Nutrition
1980-2020



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH
NIN
NATIONAL INSTITUTE OF
NUTRITION

POSHAN Abhiyaan

E-Learning ICMR-NIN Modules

Ministry of Women and Child Development
Government of India

&

ICMR-National Institute of Nutrition
Department of Health Research, Ministry of Health & Family Welfare
Government of India, Hyderabad, Telangana State



Certificate


This is to certify that


Mr./Ms. Gayatri Patil

has successfully completed the Nutrition Education Programme

on Basic Nutrition

through e-Learning platform.


Director
ICMR NIN


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



April 26th, 2020

**COP
BELA**

www.copbela.org



Certificate of Participation

This certificate is awarded to

GAYATRI PATIL

for participation in poster contest on

World Intellectual Property Day 2020

Organized by

Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial

COLLEGE OF PHARMACY, BELA (Ropar) Punjab

Dr. Shailesh Sharma
Convener & Director

Satvir Singh
Co-ordinator

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

The Pioneer Pharmacy Institute of Punjab



**Shobhit
University**

EDUCATION EMPOWERS



CERTIFICATE

This is to certify that *Ms./Mr./Dr./Prof. Msmita Sant*.....

has participated as delegate and contributed in poster/oral presentation entitled

"*Nanostructured Lipid Carrier for Transdermal*.....

Delivery of Antifungal Agent"..... in the

INTERNATIONAL CONFERENCE

On

DRUG ENGINEERING

25TH & 26TH MARCH, 2022

Sponsored By

**SCIENCE AND ENGINEERING RESEARCH BOARD
DEPARTMENT OF SCIENCE & TECHNOLOGY
GOVT. OF INDIA, NEW DELHI**

Organized by

ADARSH VIJENDRA INSTITUTE OF PHARMACEUTICAL SCIENCES

N.S. Ghosh
Prof. Niladry S. Ghosh
Organizing Secretary

Madan Kaushik
Prof. Madan Kaushik
Convener

Ranjit Singh
Principal
More Institute of Pharmacy,
INDORE (M.P.)

Ranjit Singh
Prof. Ranjit Singh
Chairperson



**Shobhit
University**

EDUCATION EMPOWERS



CERTIFICATE

This is to certify that *Ms./Mr./Dr./Prof.*..... *Megha Gupta*.....
has participated as delegate and contributed in poster/oral presentation entitled
"*Nanosponge : Its Application as Novel Drug Delivery*.....
System.....".....in the

INTERNATIONAL CONFERENCE

On

DRUG ENGINEERING

25TH & 26TH MARCH, 2022

Sponsored By

**SCIENCE AND ENGINEERING RESEARCH BOARD
DEPARTMENT OF SCIENCE & TECHNOLOGY
GOVT. OF INDIA, NEW DELHI**

Organized by

ADARSH VIJENDRA INSTITUTE OF PHARMACEUTICAL SCIENCES

N.C. Ghosh
Prof. Niladry S. Ghosh
Organizing Secretary

Madan Kaushik
Prof. Madan Kaushik
Convener

Ranjit Singh
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Ranjit Singh
Prof. Ranjit Singh
Chairperson



**Shobhit
University**

EDUCATION EMPOWERS



CERTIFICATE

This is to certify that *Ms./Mr./Dr./Prof. Anjali Arun Taiswal*.....

has participated as delegate and contributed in poster/oral presentation entitled

"Aquasomes : A Novel Carrier for Drug Delivery".....

.....in the

INTERNATIONAL CONFERENCE

On

DRUG ENGINEERING

25TH & 26TH MARCH, 2022

Sponsored By

**SCIENCE AND ENGINEERING RESEARCH BOARD
DEPARTMENT OF SCIENCE & TECHNOLOGY
GOVT. OF INDIA, NEW DELHI**

Organized by

ADARSH VIJENDRA INSTITUTE OF PHARMACEUTICAL SCIENCES

N. S. Ghosh
Prof. Niladry S. Ghosh
Organizing Secretary

Madan Kaushik
Prof. Madan Kaushik
Convener

Ranjit Singh
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Ranjit Singh
Prof. Ranjit Singh
Chairperson



www.indoreinstitute.com/iip



Indore Institute of Pharmacy

Indore Institute of Pharmacy

Affiliated to - RGPV(Bhopal) & Approved by - AICTE(New Delhi) & PCI(New Delhi)

Sponsored by



In Association with



Certificate of Presentation

This is to certify that **Mr.Yash Rawka,**

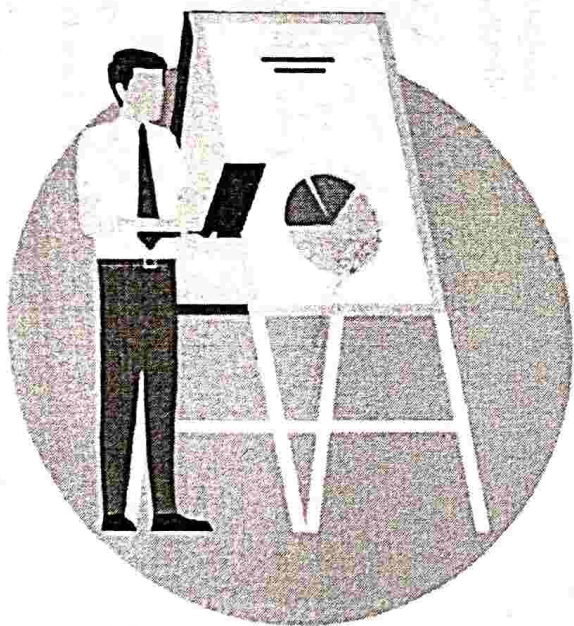
Indore Institute of Pharmacy

presented work in a poster session entitled ***Applications of nanofabric***

in AICTE-sponsored Two-days E-conference on

"Translational Research for Nanomedicine" held on 22nd and 23rd April, 2022

organized by Indore Institute of Pharmacy, Indore.



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Dr. Paikaj Dixit
Co-coordinator

Dr. Dinesh K. Mishra
PRINCIPAL - IIP
Co-ordinator

Mr. Arun S. Bhatnagar
Director General
IIST-IIP-IIMR



www.indoreinstitute.com/iip

IIP
Indore Institute of
Pharmacy

Indore Institute of Pharmacy

Affiliated to - BQPV(Rheorai) & Approved by - AICTE(New Delhi) & PCI(New Delhi)

Sponsored by

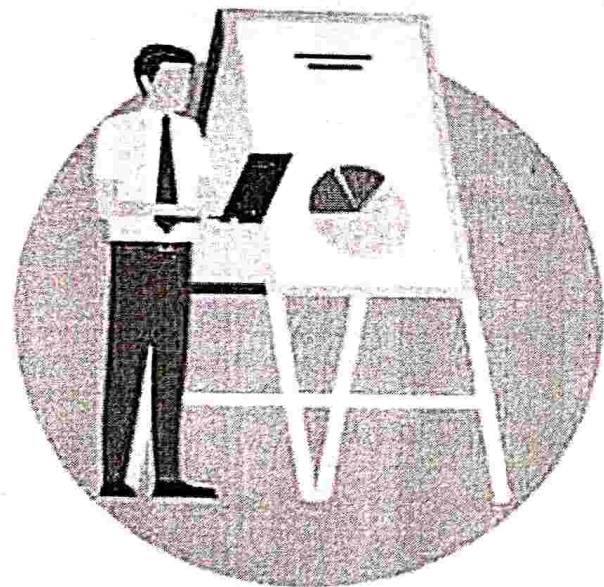


In Association with



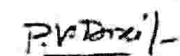
Certificate of Presentation

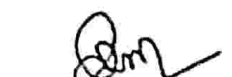
This is to certify that **Samridhi Bhati**,
Indore Institute Of Pharmacy, Indore
presented work in a poster session entitled **Biosimilar Drugs**
in AICTE-sponsored Two-days E-conference on
"Translational Research for Nanomedicine" held on 22nd and 23rd April, 2022
organized by Indore Institute of Pharmacy, Indore.




Principal

Indore Institute of Pharmacy,
INDORE (M.P.)


Dr. Paikraj Dixit
Co-coordinator


Dr. Dinesh K. Mishra
PRINCIPAL - IIP
Co-ordinator


Mr. Arun S. Bhatnagar
Director General
IIST-IIP-IIMR



**Indore Institute of
Pharmacy**

Affiliated to - RGPV(Bhopal) & Approved by - AICTE(New Delhi) & PCI(New Delhi)

Certificate of Participation


is awarded to


Mr./Ms. Bhagyashree Yadav (B.Pharm 3rd year)

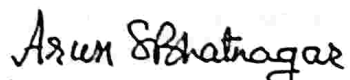
for active participation in

60th National Pharmacy Week 2021,

organized by Indore Institute of Pharmacy from 21st to 27th November, 2021


Dr. Dinesh K. Mishra
PRINCIPAL - IIP


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


Arun S. Bhatnagar (IRS)
Director General
IIST, IIP, IIMR

BHERULAL PATIDAR GOVT. P.G. COLLEGE, MHOW, DIST. INDORE [M.P.]



NCC COY, MHOW

1 MP GIRLS BN NCC, INDORE & 9 MP BN NCC, INDORE
NAAC ACCREDITED 'A' GRADE

CERTIFICATE OF APPRECIATION

REPUBLIC DAY PARADE 2022



This certificate is awarded to Regimental Number MP 205 WA 409754 Rank CDT Name
Sweta Yadav S/o / D/o Shri B.S. Yadav

Of BHERULAL PATIDAR GOVT. P.G. COLLEGE, DR AMBEDKAR NAGAR, MHOW has actively participated in the REPUBLIC DAY PARADE organized by the NCC COY, MHOW (1 MP GIRLS BN NCC, INDORE & 9 MP BN NCC, INDORE) held at DR. AMBEDKAR NAGAR, MHOW. We appreciate his/her outstanding performance in REPUBLIC DAY PARADE and wish him/her a bright future.

Place :- MHOW

Date :- 26 Jan 2022



CAPTAIN DR. KRISHNA DHURIYA

ASSOCIATE NCC OFFICER
1 MP GIRLS BN NCC, INDORE


MAJOR DR. SANJAY SOHANI

ASSOCIATE NCC OFFICER
9 MP BN NCC, INDORE


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)


DR. SHOBHA JAIN

PRINCIPAL
B.L.P. GOVT. P.G. COLLEGE, MHOW



GRY INSTITUTE OF PHARMACY, BORAWAN



SPONSORED BY



Pharmacy Council of India, New Delhi



All India Council of Technical Education, New Delhi



Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

INTERNATIONAL CONFERENCE ON Global Integration for Innovations in Healthcare Management and Drug Development

GRYPICON - 2022

Certificate of Participation

This certificate is awarded to Dr/Mr/Ms Aayushi Anona
University/ College Indore Institute of Pharmacy for
participating as Delegate in the International
Conference held on 02 April, 2022 at GRY Institute of Pharmacy, Borawan, Khargone,
Madhya Pradesh, India.

He / She, presented poster titled Personalized Medicine: The
future of Medicine

Dr. Sujit Pillai
CONVENOR

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Sh. Arun Yadav
CHAIRMAN



Sponsored by
DAE-BRNS

NATIONAL SYMPOSIUM

CERTIFICATE



COVID-19 PANDEMIC: IMPACT ON GLOBAL NUCLEAR MEDICINE & RADIOPHARMACEUTICALS



Organized by

CHAMELI DEVI INSTITUTE OF PHARMACY

12th March 2022

We hereby confirmed that

Ayushi Shrivastava (Indore Institute of Pharmacy)

has given the poster/ e-poster presentation on

“ PET and SPECT in Covid-19 ”



For and On behalf of _____ and secured _____ Ist _____ position



Arun
Dr. Arun Kumar Gupta
Organizing Chairman

A
Mr. Ashish K Parashar
Coordinator

Sourabh
Mr. Sourabh Jain
Convener

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



GRY INSTITUTE OF PHARMACY, BORAWAN



SPONSORED BY



Pharmacy Council of India, New Delhi



All India Council of Technical Education, New Delhi



Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal

INTERNATIONAL CONFERENCE ON Global Integration for Innovations in Healthcare Management and Drug Development

GRYPICON - 2022

Certificate of Participation

This certificate is awarded to Dr/Mr/Ms ...*Nayan Joshi*.....
University/ College...*Indore Institute of pharmacy*..... for
participating as ...*Delegete*.....in the International
Conference held on 02 April, 2022 at GRY Institute of Pharmacy, Borawan, Khargone,
Madhya Pradesh, India.

He / She, presented poster titled ...*Artificial intelligence in*.....
...*Pharma Industry*.....

Dr. Sujit Pillai
CONVENOR

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Sh. Arun Yadav
CHAIRMAN



GRY INSTITUTE OF PHARMACY, BORAWAN



SPONSORED BY



Pharmacy Council of India, New Delhi



All India Council of Technical Education, New Delhi



Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal

INTERNATIONAL CONFERENCE ON
Global Integration for Innovations in
Healthcare Management and Drug Development

GRYPICON - 2022

Certificate of Participation

This certificate is awarded to Dr/Mr/Ms *Koraa Pawar*.....
University/ College *Indore Institute of Pharmacy*..... for
participating as *delegate*..... in the International
Conference held on 02 April, 2022 at GRY Institute of Pharmacy, Borawan, Khargone,
Madhya Pradesh, India.

He / She, presented poster titled *Virtual Reality in Drug*.....
Discovery! A Review.....

Dr. Sujit Pillai
CONVENOR

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Sh. Arun Yadav
CHAIRMAN



GRY INSTITUTE OF PHARMACY, BORAWAN



SPONSORED BY



Pharmacy
Council of India,
New Delhi



All India Council of
Technical Education,
New Delhi



Rajiv Gandhi Prudyogiki
Vishwavidyalaya,
Bhopal

INTERNATIONAL CONFERENCE ON
Global Integration for Innovations in
Healthcare Management and Drug Development

GRYPICON - 2022

Certificate of Excellence

for

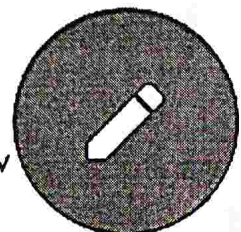
Best Scientific Poster

This certificate is awarded to Dr/Mr/Ms Karan Pawar
University/ College Indore Institute of Pharmacy for
presenting paper entitled Virtual reality in drug discovery
during the international conference on 02 April, 2022 at G R Y Institute of Pharmacy,
Borawan and He/She secured 2nd position position for poster presentation.

Dr. Sujit Pillai
CONVENOR

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Sh. Arun Yadav
CHAIRMAN



CHAMELI DEVI INSTITUTE OF PHARMACY, INDORE

BRNS SPONSERED NATIONAL SYMPOSIUM

1st February 2020



Certificate



This is to certify that Mr. Huzefa Kachchawala, IIP, Indore. has participated in National Symposium on "RADIOTRACER TECHNIQUES: IMPROVE NUTRITIONAL STATUS AND HEALTH OF PLANTS & ANIMALS" conducted on 01st February 2020 and presented poster on Artificial Intelligence - A Game Changer For Pharmaceutical Industry.

For and On behalf of



Tham
Dr. Arun Kumar Gupta
Organizing Chairman

A
Mr. Ashish K Parashar
Coordinator

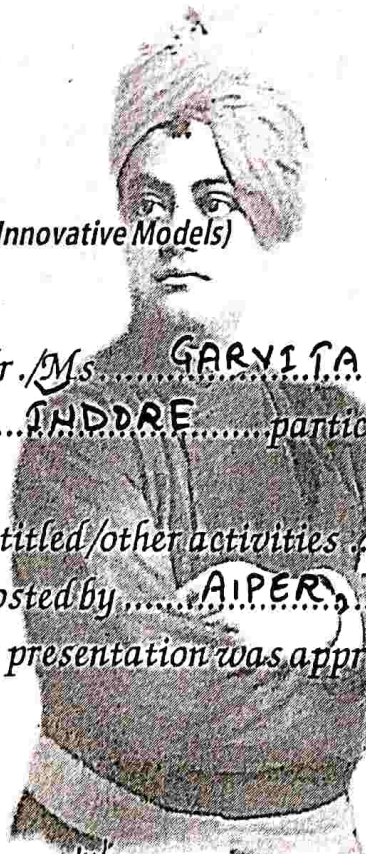
Am
Principal
Indore Institute of Pharmacy
INDORE (M.P.)
S
Mr. Sourabh Jain
Convener

CERTIFICATE OF PARTICIPATION



सृजन
SRIJAN

(Festival of Technical Papers & Innovative Models)



This is to certify that Mr./Ms. GARYITA SHARMA
student ofI.P......INDORE..... participated in SRIJAN - 2020

He/she presented model titled/other activities TECH. POSTER
in PHARMACY (Branch) hosted byAIPER.....INDORE.....

His/her work as well as presentation was appreciated.

Ar. Amogh Kumar Gupta
Chairman Srijan 2019
Chairman - S.P.A., New Delhi

Prasanna K. Sharma
Convener Srijan 2019
Chairman-Sister Nivedita Takniki Shiksha Samiti

Principal / Director
Host Institute

Coordinator
Host Institute

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CHAMELI DEVI INSTITUTE OF PHARMACY, INDORE

BRNS SPONSERED NATIONAL SYMPOSIUM

1st February 2020



Certificate



This is to certify that Ms. Garvita Sharma, JIP, Indore has participated in National Symposium on "RADIOTRACER TECHNIQUES: IMPROVE NUTRITIONAL STATUS AND HEALTH OF PLANTS & ANIMALS" conducted on 01st February 2020 and presented poster on _____

N. Anandulga

For and On behalf of



Dr.
Dr. Arun Kumar Gupta
Organizing Chairman

Mr.
Mr. Ashish K Parashar
Coordinator

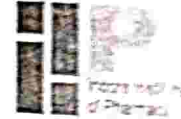
Mr.
Mr. Sourabh Jain
Convener

Principal
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner

शैल

Shail Group



Certificate of Participation

This is to certify that Mr./Ms. Huzefa Kachchawala of
IIP has participated / [✓]Coordinated in the
PPT Competition during the Annual Events held in the
institute on 18-01-19 and secured 2nd position. His/Her
efforts are appreciated and acknowledged. Our best wishes are with him/her.

Aswini S. Chitragar
Director General

Dr. M. S. ...
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Dr. ...
Director/Principal

Students participated in Group Discussion



INDORE INSTITUTE OF IIP, INDORE

Career Development Cell – CDC

Date:-16th March 2020

Notice

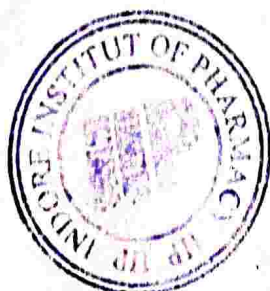
This is to inform that CDC (Career Development Cell) is organizing a One .day workshop on “**How to crack Group Discussion**” for the third year students of IIP on 18th March, 2020.It is mandatory for all students to attend the workshop.



Leonard Jude Brown
Director and HOD of CDC

Copy to:

1. Director General
2. Principal - IIP
3. HOD IIP-Final Year



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

19th, March, 2020

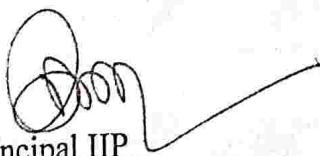
Career Development Cell - CDC

Topic name: How to crack Group Discussion

Learning Outcome:-

Group discussion is most important aspect of the placement drive .It improves students thinking, listening and speaking skills. It also promotes their confidence level. It is an effective tool in problem solving, decision making and personality assessment.

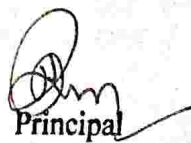
GD skills ensure academic success, popularity and good admission and job aspects. The overall objective is to select the best candidate who can make his or her impact for the upcoming placement drives.


Principal IIP

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Submitted by :- Mr. L.J. Brown
HOD and Director


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

19th, March, 2020

INDORE INSTITUTE OF PHARMACY, INDORE

Career Development Cell – CDC

Report

One day workshop was organized by CDC for third year students of IIP from 18th March 2020 on "How to crack Group Discussion", resource persons for this training program was Ms. Jaya Singh.

Trainer gave tips to crack Group discussion also, how to take part in group discussion, Do's and Don'ts in group discussion. After giving these tips students were made to take part in group discussions under the guidance of trainer.

At the end of the day program concluded with feedback to students.

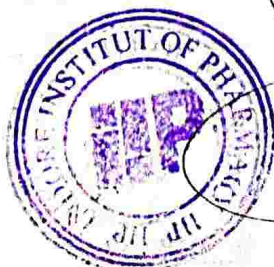
Jaya Singh

Submitted by:- Ms. Jaya Singh

Soft skills Trainer & Asst. Prof

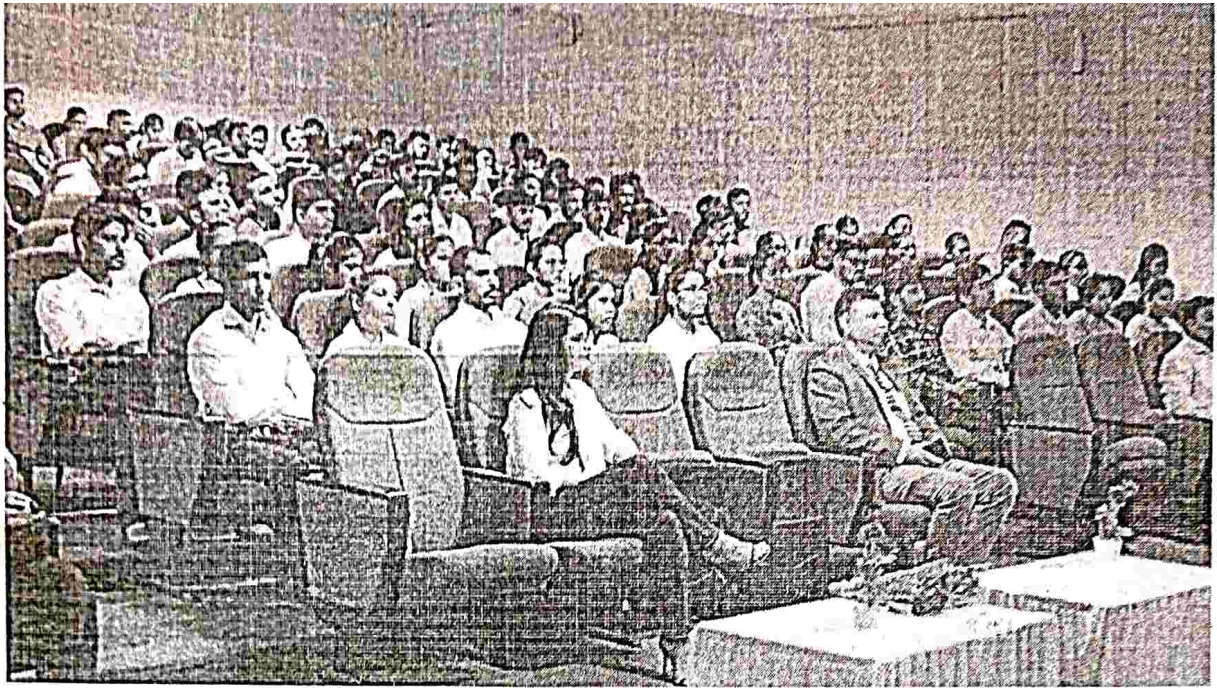
[Signature]
Principal- IIP

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



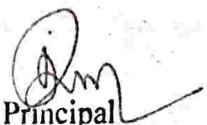
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

W. J. Brown

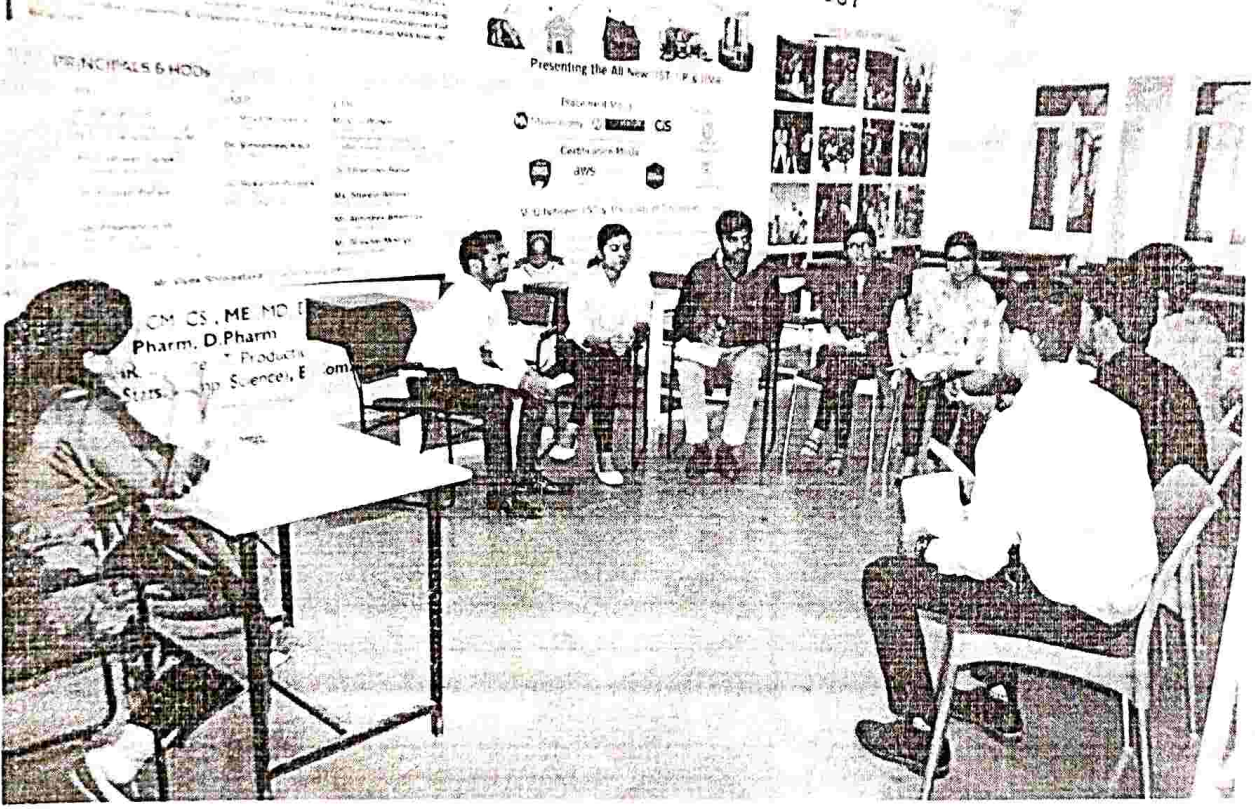
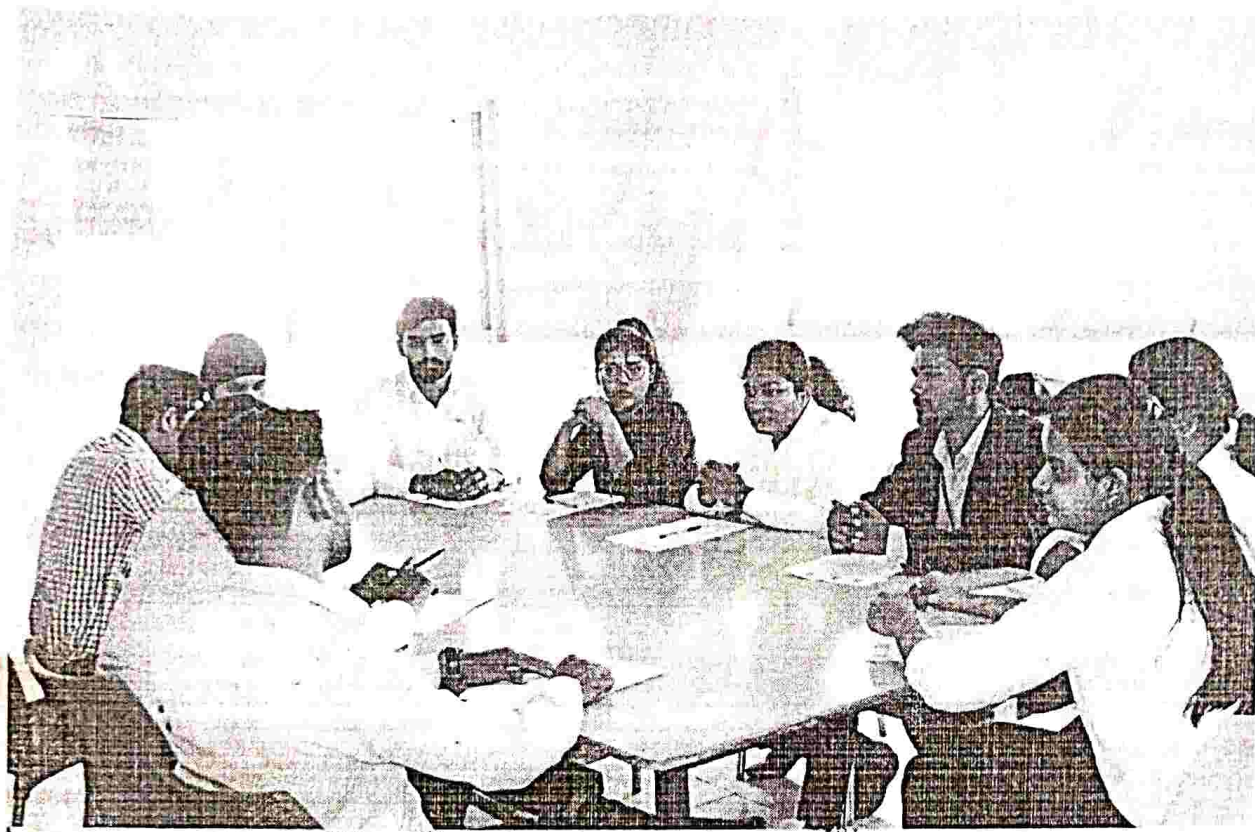


Students attending workshop on 'How to crack Group Discussion'



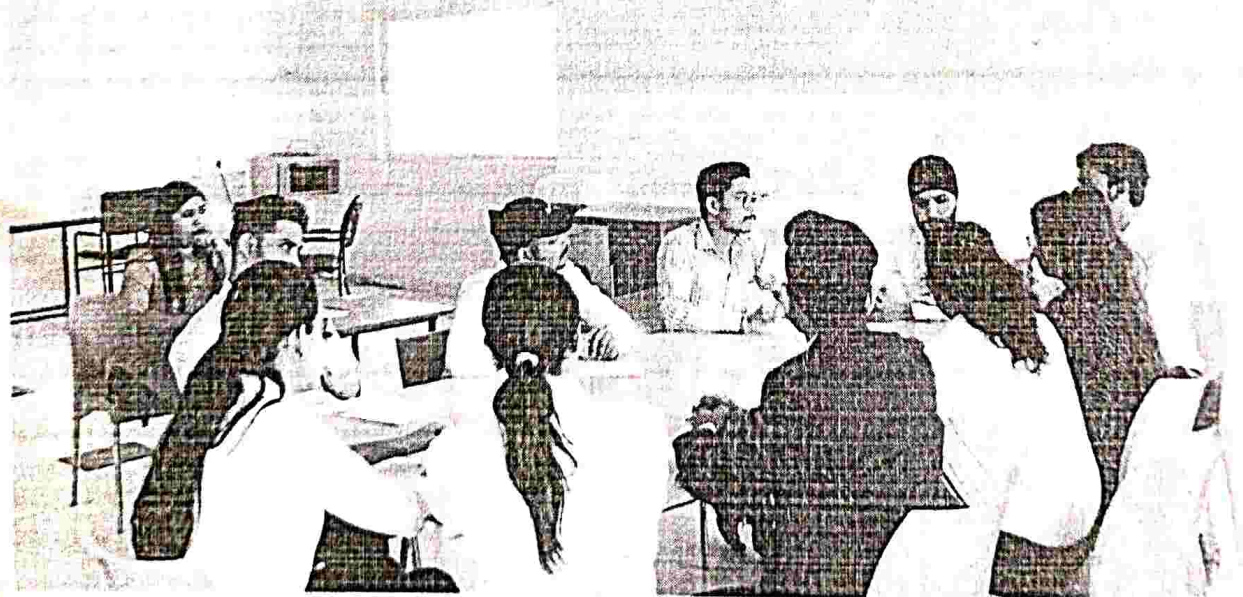
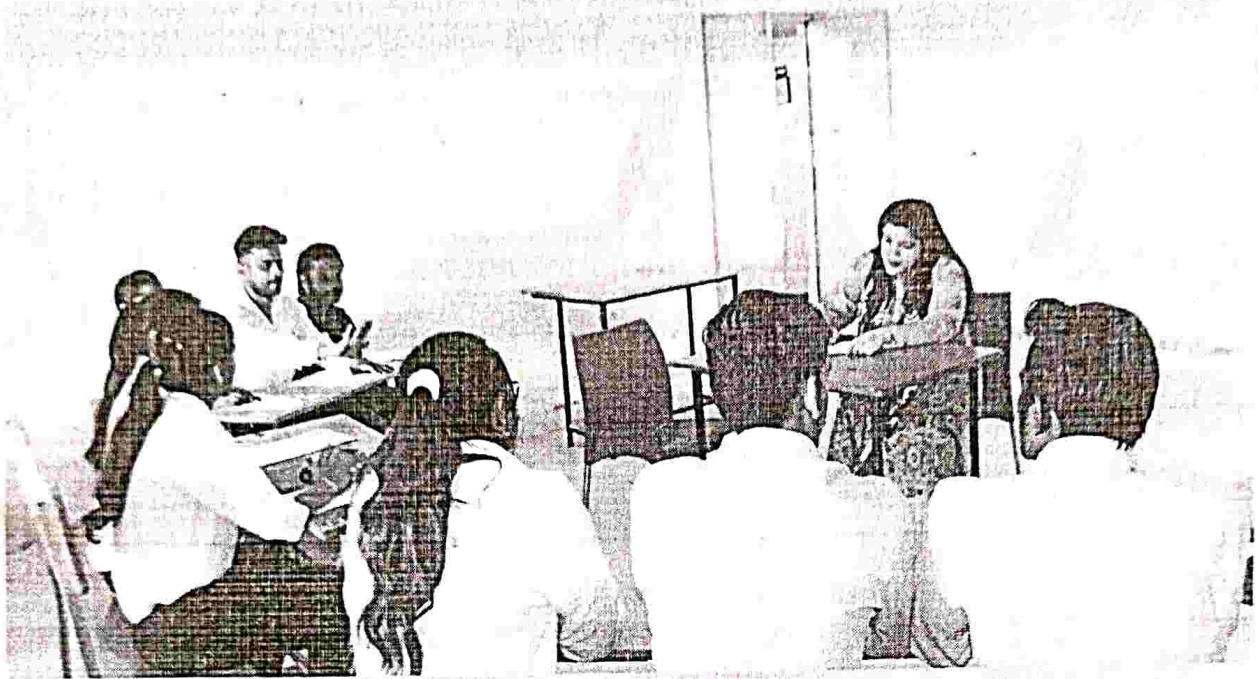

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Students involved in Group discussion




Principal
Jharkhand Institute of Pharmacy,
INDORE (M.P.)

Students involved in Group discussion





Indore Institute of Pharmacy

Indore Institute of Pharmacy

Affiliated to: PCI (Bhopal) & Approved by: AICTE (New Delhi) & PCI, New Delhi



INSTITUTION'S INNOVATION COUNCIL
Ministry of HRD, India



MIC

Certificate of Participation


This certificate is awarded to


Mr./Ms. Ayesha Qureshi
for active participation in
online workshop on
"How to Crack Group Discussion"
organized by Indore Institute of Pharmacy on 18th March, 2020




Mr. Sandip Patil
Coordinator


Dr. Dinesh K. Mishra
PRINCIPAL - IIP


Mr. Arun S. Bhatnagar
Director General
IIST-IIP-IIMR


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CELL INJURY

➤ Cell injury is a variety of changes of stress that a cell suffers due to external as well as internal environment



ADAPTATION

- Changes made by a cell in response to adverse or varying environmental changes.

Reversible -

- Hypertrophy – increase in cell size and volume.
- Hyperplasia – an increase in no. of cells.
- Atrophy – decrease in cell size.
- Metaplasia – occurs when a cell of a certain type is replaced by another type.

Non reversible -

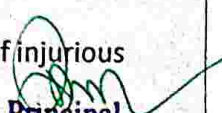
- Necrosis – pattern of cell death that occurs in response to injuries such as hypoxia, extremes temperature, infection etc.
- Apoptosis – programmed cell death, used during early development to eliminate unwanted cells.

➤ THE ETIOLOGICAL AGENTS OR CAUSES OF CELL INJURY ARE –

- Hypoxia - inadequate oxidation of tissues, causes of hypoxia – ischemia, inadequate oxidation of food.
- Physical agents - reduces aerobic oxidative respiration which leads to decrease in ATP.
- Chemical agents - mechanical trauma (eg. Run shot wounds), thermal injury (eg. Burns), radiation-ionizing and non - ionizing.
- Chemical agents – heavy metal (eg. Mercury), strong acids (alkalies).
- Immunologic reactions- auto immunity, hyper sensitivity reactions.
- Genetic rearrangements – deficiency of functional proteins, variations in genetic material.
- Infectious agents – bacteria, viruses etc.
- Nutritional imbalance – increased cholesterol etc.
- Idiopathic – causes are not known.

➤ MECHANISM OF CELL INJURY

1. Decreased production of ATP - Requires for all process within cells.
Effect of decreased ATP - Failure of cell membrane Na^2+ pump, Failure of Ca^{2+} Pump, Increased aerobic glycolysis.
2. Mitochondrial damage – Mitochondria are sensitive to almost all types of injurious stimuli.
3. Accumulation of O_2 derived free radicals.


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

INFLAMMATION

Definition :- Inflammation is the local response of living mammalian tissues to injury from any agent could be microbial, immunological, physical or chemical agents.

Signs of inflammation

- Rubor (redness)
- Tumor (swelling)
- Calor (heat)
- Dolor (pain)
- Functio laesa (Loss of function)

Types of inflammation

1. Acute inflammation
2. Chronic inflammation

Mediators of inflammation

mediator	source	Actions
Histamin	mast cells, basophils	Vasodilation, increased vascular permeability
Serotonin	platelets	Vasoconstriction
prostaglandin	mast cells, leucocytes	Vasodilation, pain, fever
Leucotriens	mast cells, leucocytes	Constriction of smooth muscle
Cytokines	macrophages, mast cells	fever, metabolic abnormalities, hypotension

Mechanism of inflammation

1. Increased vascular permeability
 1. changes in vessel diameter
 2. increased permeability of blood vessels
 3. Exudation
2. Chemotaxis - movement of WBCs to the site of injury
 1. Margination :- Adhesion of WBCs
 2. Diapedesis
 3. Migration

Wound healing

Healing of skin wounds provides a classical example of combination of regeneration and repair.

Stages of wound healing

1. Hemostasis
2. Inflammation
3. proliferation
4. Remodeling



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Name:- Aditi, Grace,
Gokul, Hays'n

Cell Injury

Cell Injury:- The effect of a variety of stresses due to biological agent a cell encounter resulting in changes in its internal and external environment.

Etiology of Cell Injury

1) Genetic causes:-

- Developmental defects: errors in morphogenesis
- Cytogenetic (Karyotypic) defects
- Single-gene defects: Mendelian disorders.
- Multifactorial inheritance disorder.

2) Acquired Causes

- Hypoxia and ischaemia
- Physical agent
- Microbial agent.

Type of Cell Injury

Reversible injury :- Stress is mild to moderate injury leads to cell death.

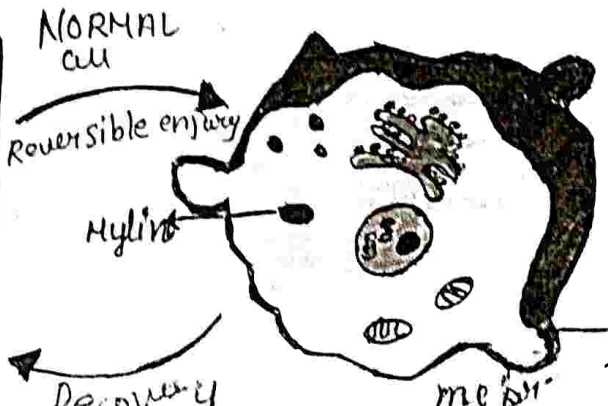
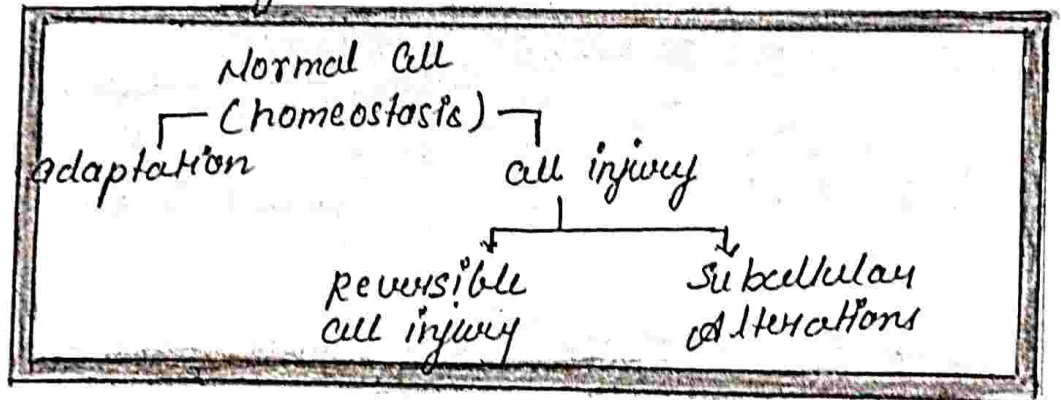
Irreversible cell injury :- Persistent agent ischaemic or hypoxia result in irreversible change in structure and function of the cell.

SYMPTOMS

- Vomiting
- Confusion
- Nausea
- Muscle twitching.

TREATMENT

• Treatment the underlying cause
• Treatment of metabolic alkalosis with acute or chronic kidney disease.



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

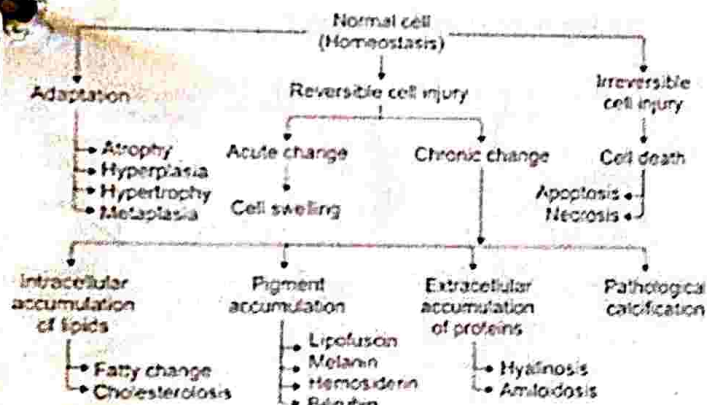
CELL INJURY

It is defined as the functional and morphologic effects of a variety of stresses on the cell from various etiological agents which result in changes in its internal and external environment.

Types of cell injury

Reversible cell injury: - if problem is fixed quickly, cell can recover.

Irreversible cell injury: -if the damage to the cell causes morphologic or structural changes, cell death will occur.




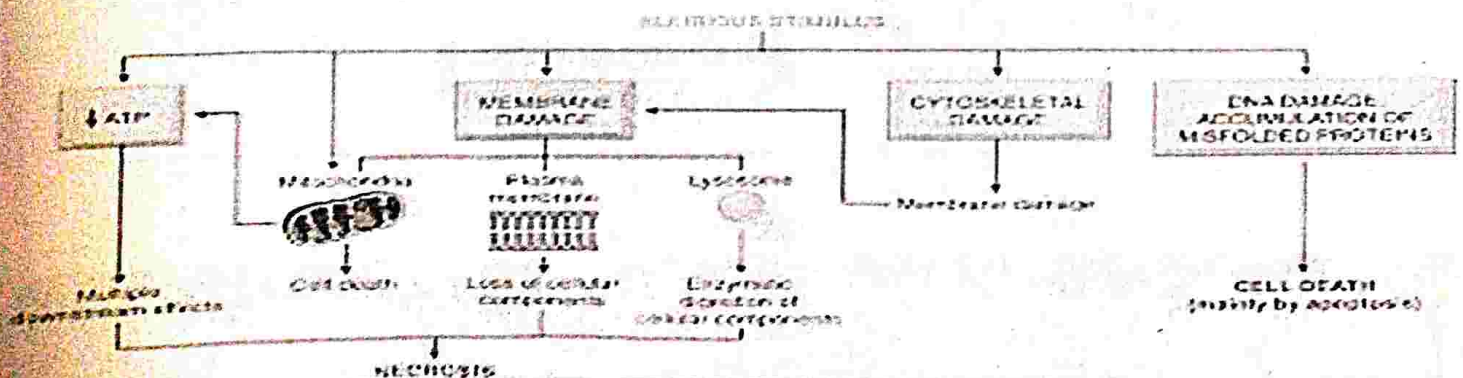
Etiology of cell injury

- Ischemia and Hypoxia: -a deficiency of oxygen in the blood flowing to the tissues.
- Physical agents: -mechanical trauma, radiation, electricity, changes in atmospheric pressure.
- Chemicals and drugs: - strong acids and bases, insecticides and pesticides, alcohol and narcotic drugs.
- Microbial agents: - bacteria, viruses, parasites.
- Immunological causes: -hypersensitivity, auto-immune diseases
- Nutritional imbalances: -kwashiorkor, anemia, starvation etc.

Mechanism of cell injury

1. Depletion of ATP
2. Cell membrane damage/defects in membrane permeability.
3. Mitochondrial damage
4. Ribosomal damage
5. Nuclear and DNA damage
6. Influx of intracellular calcium loss of normal calcium balance
7. Accumulation of oxygen derived free radicals (oxidative stress).

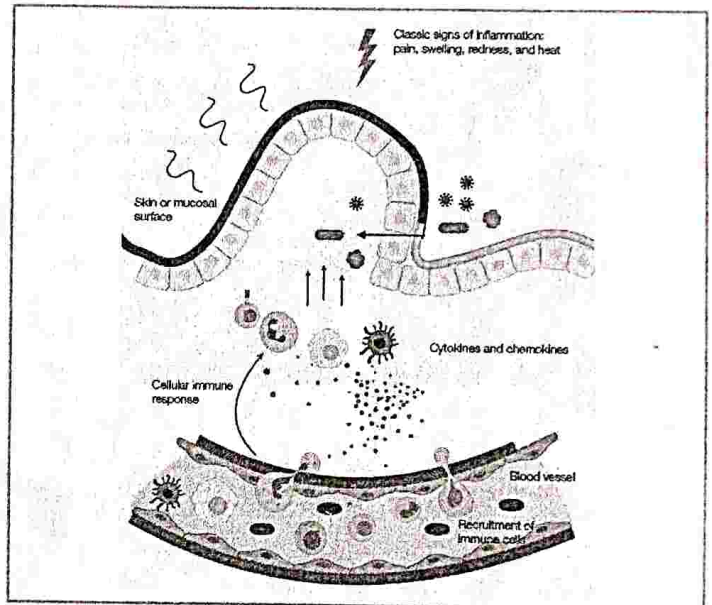
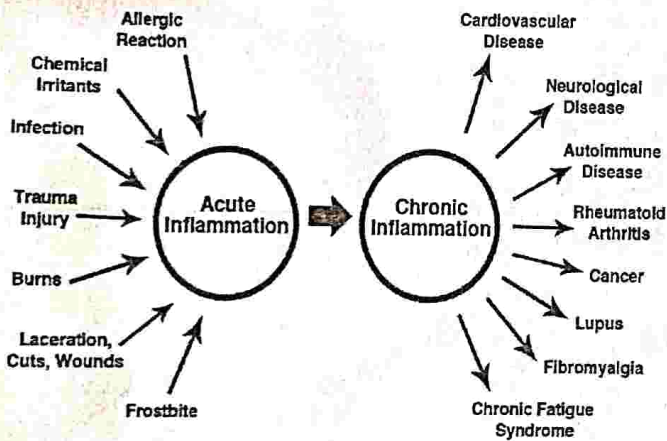

 Principal
 Indore Institute of Pharmacy,
 INDORE (M.P.)



INFLAMMATION

Inflammation is defined as the local response of living mammalian tissues to injury due to any agent . The inflammation term is taken from the latin word 'inflammare' (to burn) .

Acute Vs. Chronic Inflammation



Inflammation (inflammare-to burn)

Clinical Signs

- P – Pain (Dolor)
- R – Redness (Rubor)
- I – Immobility
- S – Swelling (Tumor)
- H – Heat (Calor)

Extravasation of Leukocytes


- M Margination
- D Diapedesis
- M Migration

Stages of Inflammation

- 1 Changes in blood flow
- 2 Increased permeability
- 3 Exudate formation

Wound Healing

- 1 Hemostasis
- 2 Inflammation
- 3 Proliferation
- 4 Remodeling


Principal
 Indore Institute of Pharmacy,
 INDORE (M.P.)

CELL INJURY

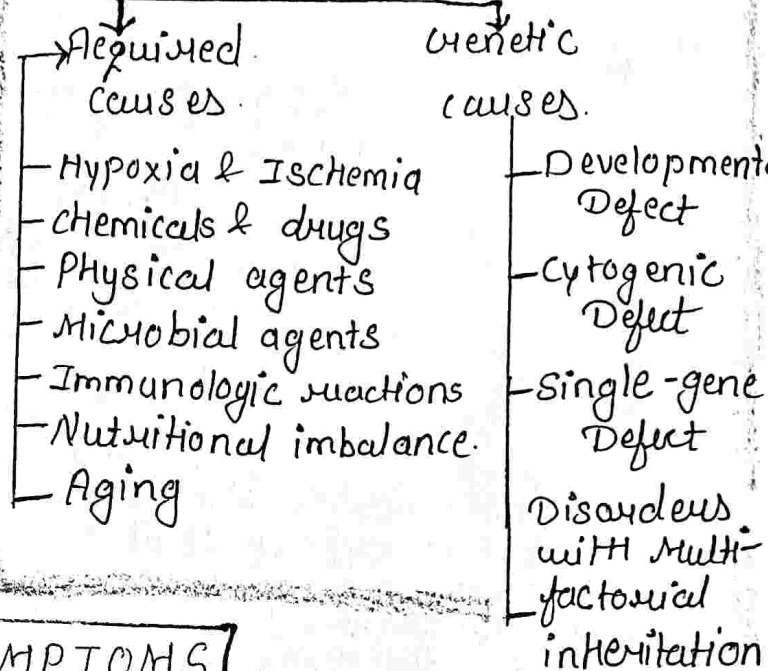
- 1) Kanu Mandloi
- 2) Raj Salonki
- 3) Raja Varma
- 4) Rehan Khan
- 5) RPHK

Cell injury is defined as a variety of stresses a cell encounters as a result of changes in its internal and external environment.

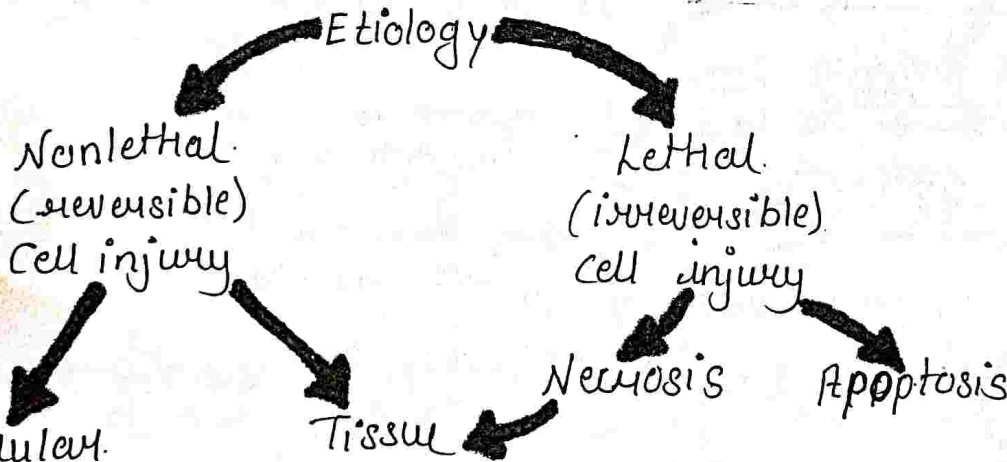
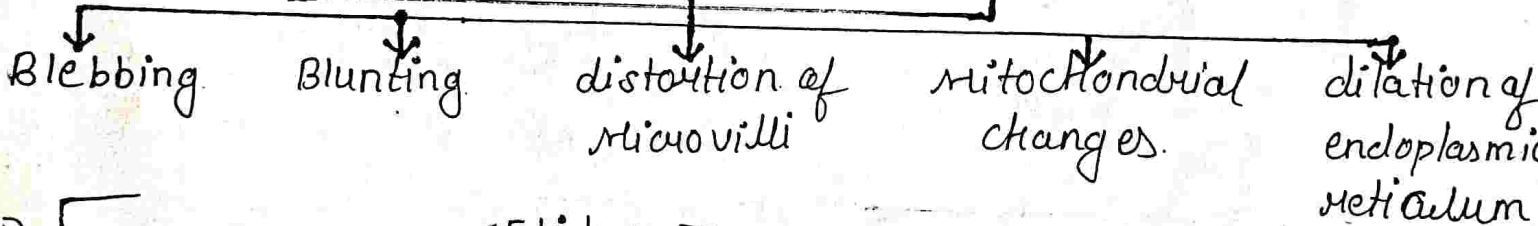
Hypoxia: Reduction of oxygen supply at the tissue level.

Ischemia: Interrupted blood flow.

CAUSES



SIGNS AND SYMPTOMS




Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Cellular response.

For example:

- Abnormal storage
- Hypertrophy
- Hyperplasia
- Dysplasia
- Neoplasia

Tissue response

For example:

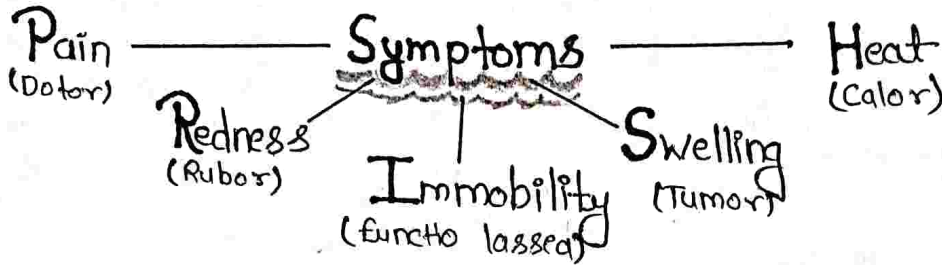
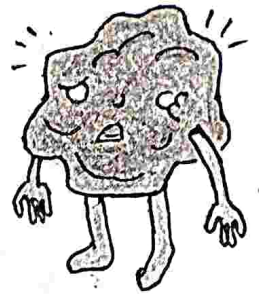
- Acute inflammation
- Thrombosis
- Chronic inflammation
- Fibrosis

CELLULAR ADAPTATIONS

- ATROPHY
 - Physical atrophy
 - Pathologic atrophy
- HYPERTROPHY
- HYPERPLASIA
- DYSPLASIA

Inflammation

Local response of tissue or cell due to injury from any agent. It is a defense mechanism.



Types

Acute inflammation

- It is short duration (lasting less than 1 to 2 weeks)
- heal quickly

Chronic inflammation

- It is a longer duration & occur for 1 to 2 month
- Caused by acute inflammatory agents for long time

Mechanism:-

foreign particle enter in body

↓
Endothelial cell breaks & Selectin protein activates

↓
Selectin protein activate integrin receptors to release integrin

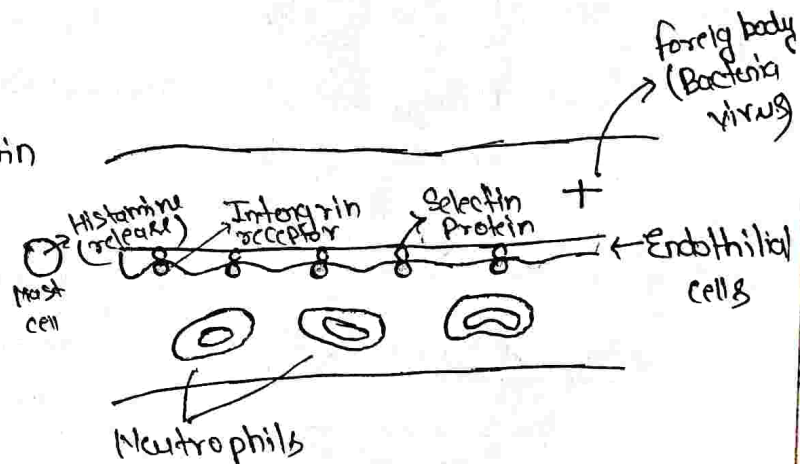
↓
Integrin bind with neutrophils & it goes to affected area

↓
Accumulation of neutrophil on the wall of blood capillaries

↓
The inflammatory mediators released by the injured tissue (Mast cell release Histamine)

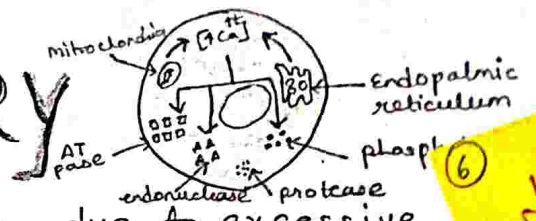
↓
Histamine cause vasodilation & open the junction b/w endothelial cell & leukocytes enters to the infected tissue & damaged the bacteria

↓
Neutrophils comes to their place

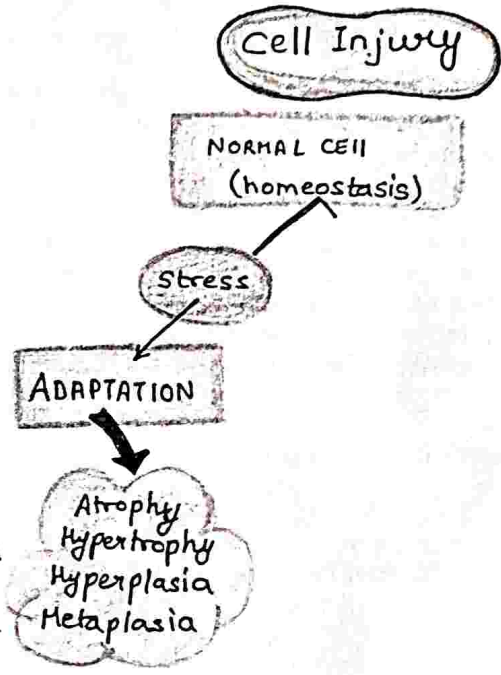
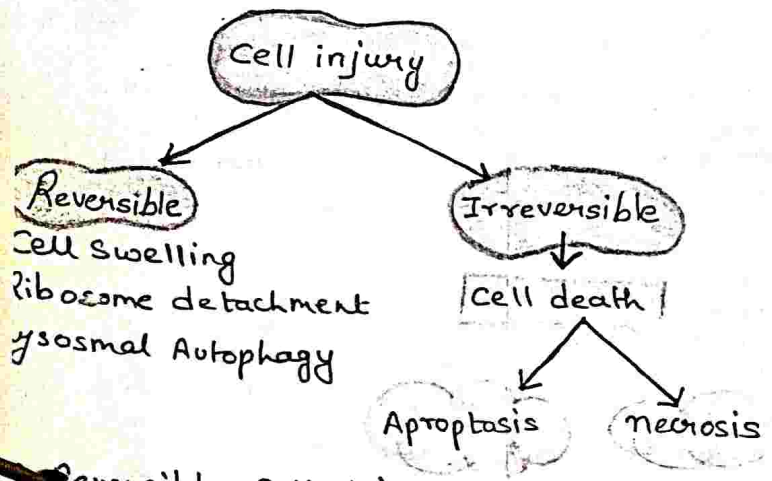


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

CELL INJURY



→ Cell injury implies series of pathological changes due to excessive when adaptations are not possible.



Reversible Cell injury -

Denotes pathologic changes that can be reversed when the stimulus is removed and the cellular injury has been mild. Cell injury is reversible only up to certain point.

Irreversible Cell injury -

Denotes pathologic changes that are permanent and cause cell death. They cannot be reversed to normal state.

Cell death -

If cells are not longer needed, they commit suicide by activating an intracellular death program this process is called cell death.

Apoptosis

- (programmed cell death) occurs, normally for maintenance of tissue homeostasis and play an imp. role in morphogenesis.

Necrosis

- Necrosis refers to spectrum of morphologic changes that follow cell death in living tissue, largely resulting from the progressive degradative action of enzymes on lethally injured cell.

Types of Cell injury -

- Coagulative necrosis.
- Liquefactive necrosis.
- Caseous necrosis.
- fat necrosis.
- fibroid necrosis.
- Gangrenous necrosis.

* Causes of Cell injury -

- ↪ Oxygen Deprivation.
- ↪ Ischemia
- ↪ Hypoxia
- ↪ Oxidative phosphorylation

* Signs & Symptoms

- ↪ Blebbing
- ↪ Blunting
- ↪ distortion of microvilli
- ↪ loosening of intercellular attachment
- ↪ mitochondrial change

* Repair -

- ↪ Regeneration
- ↪ Replacement


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

- Ishita Parmal, • Jaya Nogi,
- keeral Prasad, • harshita -
- rajwe, • harshad Dhange
- Flarch...

SIX SIGMA – A MANAGERIAL TOOL TO IMPROVE PHARMACEUTICAL QUALITY

¹Ankita Bhadoriya^{*}; ²Dr. Gurmeet Singh Chhabra

¹ Student of Pharmacy, ² Faculty of Pharmacy

¹Department of Pharmaceutical Quality Assurance

¹Indore Institute of Pharmacy, IIST Campus, Rau, Indore- 453331, Madhya Pradesh, India

ABSTRACT: Six Sigma is a statistical expression that is applied to the quality management system to develop a structure for process improvement. It is used to measure the degree of deviation of a process from precision. Less than 3.4 parts per million (ppm) of faults is the quality indicator for this approach. To accomplish intended outputs and customer satisfaction, this methodology actively links people, processes, and results logically. Motorola created Six Sigma in the 1980s as a tool for improving process quality. Process development, process design/redesign, and process management are the three core elements it focuses on. The DMAIC (Define, Measure, Analyze, Improve, and Control) and DMADV (Define, Measure, Analyze, Improve, and Control) procedures are used to achieve the six sigma aim (Design, Measure, Analyze, and Define & Verify). It features more data analysis capabilities and a stronger financial focus than TQM. Total Quality Management (TQM) and Six Sigma (Six Sigma) are two effective methodologies for continuous improvement that have a shared purpose and base. The variables, methods, concepts, advantages, limitations, and applications of six sigma in the pharmaceutical business are discussed in this article.

KEYWORDS: Total Quality Management (TQM), Continual improvement, Methodology, Quality management, Root cause, Statistical tools

INTRODUCTION: Six Sigma is a set of numerical tools used in quality management to build a process improvement framework. The phrase refers to a statistical assessment of how much a process deviates from perfection. It's an organization's operating strategy that benefits consumers, stakeholders, employees, and suppliers in a mutually beneficial way. It's also a flexible, customer-centric, planned, efficient, proactive, and quantitative idealistic approach to business improvement that aims to enhance quality, speed up deliveries, and cut expenses. Six Sigma is a top-down methodology that necessitates extensive analysis, fact-based judgments, and a control plan to ensure that a process's quality is maintained.¹ The quality indicator for achieving six sigma is in parts per million (ppm), which means that the process outputs must have less than 3.4 faults per million. Six Sigma is a statistician's word for standard deviation, or the degree of variation in a set of dimensions or a process. It's a meticulously managed procedure aimed at producing and providing near-perfect products and services. Six Sigma allows for cultural transformation by dynamically linking people, processes, and outcomes in a precise, adaptable manner to get the results that businesses seek. It also understands what is important to consumers.² This article focuses on use of six sigma in pharmaceutical industry its future approach along with its methodologies, quality management tool and aspects of process improvement. ^[1,2]

ADOPTION OF SIX SIGMA

In the 1980s, Motorola created Six Sigma as a tool for improving process quality. Many companies in the United States, including General Electric, Motorola, and DuPont, have successfully implemented their improvement programs. DuPont began their six-sigma journey with the main aims of achieving sustainable growth through productivity, quality improvements to maximize productivity, shareholder, and social value, and pursuing "knowledge intensity" across all of their companies. More than 3000 Six Sigma projects have been completed, with 10,000 Master Black Belts and Green Belts trained globally, 500 financial analysts and managers, and more than 12,000 Six Sigma initiatives currently underway in all regions and lines of business. ^[2] This adoption is grouped in to different generations as follow in Fig. 1

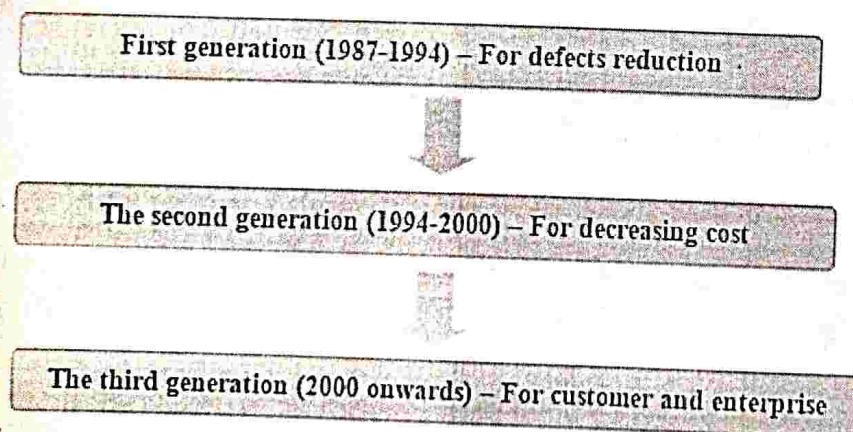


Fig.1 Generations of six sigma

Principal
Indore Institute of Pharmacy.
INDORE (M.P.)



An Overview of Quality Audit: A Boon for Pharmaceutical Sector

Anita Patidar¹ and Gurmeet S. Chhabra¹ and Dinesh K. Mishra³

¹Professor, Indore institute of Pharmacy, Pithampur Road, Opposite Indian Institute of Management, Rau, Indore, Madhya Pradesh, 453331

²Indore Institute of Pharmacy, Pithampur Road, Opposite Indian Institute of Management, Rau, Indore, Madhya Pradesh, 453331

³ Professor & Principal, Indore institute of Pharmacy, Pithampur Road, Opposite Indian Institute of Management, Rau, Indore, Madhya Pradesh, 453331

Abstract: This review article covers a combination of aspects of the sole entity which defines the quality of products in the pharmaceutical sector. Quality audit is one of the essential elements of ISO 9001 quality system standards. It assures that an organization has distinctly defined a quality system to manufacture the quality products and work according to it. Concession or negotiation in quality of pharmaceutical products would directly impact the health of patients so audits are performed at specified interval to ensure the quality as it is benefaction for the companies towards gaining loyalty from customers, maintain regulatory standards, long term revenue and profit. Regulatory bodies have their standard assessment tools termed Audits and Inspection, which reviews and evaluates various records, systems, and procedures followed in an organization. Most of the articles glorify that the quality audits mainly involve documented examinations and verification of all the processes and activities routinely performed, leading to ensure the required quality standards. The article is a result of a collection of data about the principles and objectives of quality audit and the benefits it provides to the respective firm by following the proper audit plan, procedures, corrective actions, and follow up making us aware of methods of gathering information for an audit, a brief knowledge of audit closure meetings, reports and basic criteria for selecting the auditor. Auditors play an important role to guarantee their organization's consistency with pharmaceutical United States Food and Drug Administration and current Good Manufacturing Practices guidelines and other quality standards like ICH Q10. The article also describes the deficiencies occurring during and after the audit and a case study regarding the audit. The figures represented in the given article comprises the basic principles of audit, types of audits, steps of conducting an audit efficiently, audit management, and flow cycle of audit which gives an overall idea of the running of audit in a consistent manner to check the product meets the regulatory requirements, expected results and patient's compliance.

Keywords: Quality, Audit, Regulatory bodies, GMP, Internal Audit.

Article History	Date of Receiving	27 December 2021	Date of Revision	04 May 2022
	Date of Acceptance	07 May 2022	Date of Publishing	01 July 2022

***Corresponding Author**

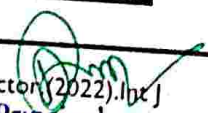
Gurmeet S. Chhabra , Professor, Indore institute of Pharmacy, Pithampur Road, Opposite Indian Institute of Management, Rau, Indore, Madhya Pradesh, 453331

Funding This research did not receive any specific grant from any funding agencies in the public, commercial or not for profit sectors.

This article is under the CC BY- NC-ND Licence (<https://creativecommons.org/licenses/by-nc-nd/4.0>)
Copyright © International Journal of Pharma and Bio Sciences, available at www.ijpbs.net
Int J Pharma Bio Sci., Volume 13., No 3 (July) 2022, pp P24-31



Citation Anita Patidar and Gurmeet S. Chhabra , An Overview of Quality Audit: A Boon for Pharmaceutical Sector (2022). Int J Pharm Sci. 13(3), P24-31 <http://dx.doi.org/10.22376/ijpbs.2022.13.3.p24-31>


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Formulation Design and Evaluation of Granisetron Loaded Orodispersible Film for the Treatment of Nausea and Vomiting

Article History	
Received:	20.04.2021
Revision:	30.04.2021
Accepted:	10.05.2021
Published:	20.05.2021
Author Details	
Deepika Bhawsar, Kuldeep Vinchurkar, Nadeem Farooqui, and Dinesh Kumar Mishra	
Authors Affiliations	
Indore Institute of Pharmacy, Opposite IIM, Pithampur Road, Rau, Indore (M.P.), India	
Corresponding Author*	
Deepika Bhawsar	
How to Cite the Article:	
Deepika Bhawsar, Kuldeep Vinchurkar, Nadeem Farooqui, & Dinesh Kumar Mishra;(2021); Formulation Design and Evaluation of Granisetron Loaded Orodispersible Film for the Treatment of Nausea and Vomiting, <i>IAR J Pharm</i> , 2(3), 1-7	
Copyright © 2021: This is an open-access article distributed under the terms of the Creative Commons Attribution license which permits unrestricted use, distribution, and reproduction in any medium for non commercial use (NonCommercial, or CC-BY-NC) provided the original author and source are credited.	

Abstract: Orodispersible film, a new drug delivery system for the oral delivery of the drugs, was developed based on the technology of the transdermal patch. Current developments in the technology have presented viable dosage alternatives from oral route for paediatrics, geriatric, bedridden, nauseous or noncompliant patients. Granisetron hydrochloride a novel serotonin 5-Hydroxytryptamine receptor antagonist used as an antiemetic to treat nausea and vomiting following chemotherapy. It is well absorbed from the gastrointestinal tract, but its oral bioavailability is low (60%) due to extensive first-pass metabolism which makes it an ideal candidate for rapid release drug delivery system. Hence, an attempt was made to prepare and evaluate orodispersible films containing Granisetron hydrochloride as a model drug by solvent casting method using pullulan natural polymer. The various formulations were prepared on the basis of concentration changes of polymer and plasticizer. The prepared orodispersible films were evaluated for their physicochemical and mechanical parameters. In vitro release rate of Granisetron HCl was studied in phosphate buffer pH 6.8. F4 Showed maximum release rate 96.8% in 120 seconds respectively. The selected fast dissolving oral films were found to be superior to marketed conventional tablet. Short-term stability studies of selected films indicated that there is no significant change with respect to physical appearance, disintegration time, drug content and in-vitro drug release. Complete and faster release was observed within 120 Sec when compared to other formulations.

Keywords: Orodispersible Film, Granisetron Hydrochloride, Pullulan Natural Polymer, Solvent Casting Method.

INTRODUCTION

Orodispersible film drug delivery systems (ODFs) were first developed in the late 1970s as based on the technology of the transdermal patch. An alternative to tablets, capsules, and syrups for paediatric and geriatric patients who experienced difficulties in swallowing traditional oral solid dosage forms (Nagar, P. *et al.*, 2011).

ODFs:

A solid dosage form that dissolves or disintegrates quickly in the oral cavity, resulting in solution or suspension without need for the administration of water, is known as oral fast dispersing dosage form.

These are also called as, orally dissolving films, flash release wafer, wafer, quick dissolving film, soluble or buccal film- preferred by FDA and European medicines agency using oro dispersible films.

Significance of ODFs:

ODFs have attained remarkable significance in pharmaceutical industry for the reason of possessing unique properties and fast dissolution time ranging from seconds to one minute. ODFs design permits to integrate a variety of drugs for their response effects e.g. antitussive, anti-epileptic, anti-asthmatic, expectorant, etc. High temperature and moisture sensitivity necessitate expensive covering and inability of high dose loading is some disadvantages of ODFs (Siddiqui, M. N. *et al.*, 2011; & Aggarwal, J. *et al.*, 2015).

The rationale of the proposed research work, the present investigation was to develop and formulate natural, non-biodegradable, Pullulan based fast dissolving orodispersible films prepared by solvent casting method for indirect absorption of drug via transmucosal lining to the systemic circulation. The present formulation has to improve patient compliance and presents multiple competitive advantages over its marketed oral dosage forms used chemotherapy induced nausea and vomiting patients.

ISSN 2231-5705 (Print)
2231-5713 (Online)

DOI:

Vol. 11 | Issue-03|
July - September | 2021

Available online at
www.anvpublication.org
www.asianpharmaonline.org

Asian Journal of Pharmacy and
Technology
Home page www.ajptonline.com



RESEARCH ARTICLE

Formulation, Optimiziation and Evaluation of Polyherbal Anti-Dandruff Shampoo

Arpit Gawshinde*, Dinesh kumar Mishra, Neha Kamalpuria, Nadeem Farooqui,
Surbhi Choursiya

Indore Institute of Pharmacy, Indore (M.P.)

*Corresponding Author E-mail: arpitgawshinde95@gmail.com

ABSTRACT:

Psidium Guajava, family Myrtaceae and Glycyrrhiza Glabra family Leguminosae has been reported to possess antioxidant, antimicrobial, antiinflammatory, antibacterial and antifungal properties. Gauva and Liquorice extracts have been used to treat antimicrobial infections. It contain several chemicals compound such as flavonoids, tannins, phenols, triterpenes, saponins, to take the benefit of the nature of extract. Psidium Guajava and Glycyrrhiza Glabra prepare shampoo incorporating in the herbal constituent base and evaluate this natural herbal shampoo. The herbal shampoo formulations comprising of hydroalcoholic extract of Psidium Guajava and Glycyrrhiza Glabra (ethanol:water 80:20v/v), coconut oil, castor oil, cymbopogon citrates oil were prepared and evaluated for physicochemical parameters such as visual appearance, pH, viscosity, % of solids content, foaming capacity and the results showed that the formulation F4 of anti-dandruff herbal shampoo contains all good characters of an ideal shampoo and it was found to be harmless, more effective, ease of manufacturing and economical compared to synthetic antidandruff shampoo.

KEYWORDS: Dandruff, herbal anti-dandruff shampoo, lemon grass oil, liquorices and guava leaf.

INTRODUCTION:

Dandruff is a chronic scalp condition, which involves excessive shedding of dead skin cells from the scalp. It is caused by a fungus called Malassezia Restricta and Malassezia Globosa. Malassezia formerly called Pityrosporum is a yeast causing infection of skin and scalp. Dandruff is caused due to excessive shedding of dead skin cells from the scalp. It affects 5% of the population and mostly occurs after puberty, between 20 to 30 years, and dandruff affects males more than females. The skin of scalp renews itself about once a month. Usually, scalp sheds dead cells in nearly invisible way, but sometimes cell turnover becomes unusually rapid and dead cells are shed as visible flakes called dandruff. Warm and humid atmosphere, overcrowding, and poor personal hygiene promote the growth of Malassezia.^{1,2}

Anti-dandruff shampoo is a type of shampoo which contains anti-dandruff agent and it is mainly used to prevent or treat dandruff from the scalp of hair. Two types of anti-dandruff shampoos are commercially available.

- A. Synthetic anti-dandruff shampoo
- B. Herbal anti-dandruff shampoo

Herbal anti-dandruff shampoos:

Herbal anti-dandruff shampoos are the cosmetic formulations which contain herbal ingredients such as plant extracts and essential oil. These herbal shampoos are generally used to remove the dandruff, to add natural color to the hair, to remove the extra oil content of the hair, for the healthy growth of the hair, to remove the dust and scales of the scalp, to prevent hair falling, to impart softness and smoothness to the hair shaft, etc. They can penetrate to the root shafts, stimulate the sebaceous glands, enhance the blood circulation and impart greater strength to the hair root and the shaft. They are also used against alopecia, thinning, clubbing,

ISSN 2231-5705 (Print)
2231-5713 (Online)
DOI:

Vol. 11 | Issue-03 |
July - September | 2021

Available online at
www.anvpublication.org
www.asianpharmaonline.org

Asian Journal of Pharmacy and
Technology
Home page www.ajptonline.com



RESEARCH ARTICLE

Formulation, Optimization and Evaluation of Polyherbal Anti-Dandruff Shampoo

Arpit Gawshinde*, Dinesh kumar Mishra, Neha Kamalpuria, Nadeem Farooqui,
Surbhi Choursiya

Indore Institute of Pharmacy, Indore (M.P.)

*Corresponding Author E-mail: arpitgawshinde95@gmail.com

ABSTRACT:

Psidium Guajava, family Myrtaceae and Glycyrrhiza Glabra family Leguminosae has been reported to possess antioxidant, antimicrobial, antiinflammatory, antibacterial and antifungal properties. Gauva and Liquorice extracts have been used to treat antimicrobial infections. It contain several chemicals compound such as flavonoids, tannins, phenols, triterpenes, saponins, to take the benefit of the nature of extract. Psidium Guajava and Glycyrrhiza Glabra prepare shampoo incorporating in the herbal constituent base and evaluate this natural herbal shampoo. The herbal shampoo formulations comprising of hydroalcoholic extract of Psidium Guajava and Glycyrrhiza Glabra (ethanol:water 80:20v/v), coconut oil, castor oil, cymbopogon citrates oil were prepared and evaluated for physicochemical parameters such as visual appearance, pH, viscosity, % of solids content, foaming capacity and the results showed that the formulation F4 of anti-dandruff herbal shampoo contains all good characters of an ideal shampoo and it was found to be harmless, more effective, ease of manufacturing and economical compared to synthetic antidandruff shampoo.

KEYWORDS: Dandruff, herbal anti-dandruff shampoo, lemon grass oil, liquorices and guava leaf.

INTRODUCTION:

Dandruff is a chronic scalp condition, which involves excessive shedding of dead skin cells from the scalp. It is caused by a fungus called Malassezia Restricta and Malassezia Globosa. Malassezia formerly called Pityrosporum is a yeast causing infection of skin and scalp. Dandruff is caused due to excessive shedding of dead skin cells from the scalp. It affects 5% of the population and mostly occurs after puberty, between 20 to 30 years, and dandruff affects males more than females. The skin of scalp renews itself about once a month. Usually, scalp sheds dead cells in nearly invisible way, but sometimes cell turnover becomes unusually rapid and dead cells are shed as visible flakes called dandruff. Warm and humid atmosphere, overcrowding, and poor personal hygiene promote the growth of Malassezia.^{1,2}

Anti-dandruff shampoo is a type of shampoo which contains anti-dandruff agent and it is mainly used to prevent or treat dandruff from the scalp of hair. Two types of anti-dandruff shampoos are commercially available.

- A. Synthetic anti-dandruff shampoo
- B. Herbal anti-dandruff shampoo

Herbal anti-dandruff shampoos:

Herbal anti-dandruff shampoos are the cosmetic formulations which contain herbal ingredients such as plant extracts and essential oil. These herbal shampoos are generally used to remove the dandruff, to add natural color to the hair, to remove the extra oil content of the hair, for the healthy growth of the hair, to remove the dust and scales of the scalp, to prevent hair falling, to impart softness and smoothness to the hair shaft, etc. They can penetrate to the root shafts, stimulate the sebaceous glands, enhance the blood circulation and impart greater strength to the hair root and the shaft. They are also used against alopecia, thinning, clubbing.



ANTIEPILEPTIC DRUG SAFETY IN PREGNACY: - POSSIBLE DANGERS FOR THE PREGNANT WOMEN AND HER FOETUS

Aditya Shrivastava*, Aastha Singh, Arihant Kasliwal, Adesh Ameta, Neha Kamalpuria

Indore Institute of Pharmacy, Pithampur Road, Opp. IIM, Rau, Indore, M. P.

Article Received on
24 Dec. 2019,

Revised on 14 Jan. 2020,
Accepted on 04 Feb. 2020

DOI: 10.20959/wjpps20203-15599

***Corresponding Author**

Aditya Shrivastava

Indore Institute of Pharmacy,

Pithampur

Road, Opp. IIM, Rau,

Indore, M. P.

ABSTRACT

Epilepsy is the common chronic neurological disorder which affects four to ten people per thousand. The affected people include most of women of child bearing age and women require long term treatment with AEDs drug. When the patient takes antiepileptic drugs, safety related matter arises in pregnant women. These may include safety of both women and their foetus. Drug doses should also be managed or balanced that the AEDs could not get metabolised or excreted from the body. If AEDs are consumed for long duration, the body becomes habitual to the drug and creates resistance to it. Therefore, the dose or dosages should increase or changed. Some AEDs may affect foetus

due to the exposure of drug to intrauterine. The infant will also get affected and born with some disorder like lower IQ values and outism spectrum disorder etc. This article reviews about Epilepsy, AEDs effect on pregnant women and foetus and safety precautions to be taken.

KEYWORDS: AEDs (Antiepileptic drugs), epilepsy autism spectrum, disorder neurological.

INTRODUCTION

Epilepsy is common neurological disorder in which the neuron's activity in brain is disturbed which causes seizure. It may be genetic disorder or an acquired brain injury such as trauma or stroke. AED drugs are used to treat epilepsy. Some types of epilepsy are treated or cured by surgery while some types do not have any cure. Some common types of AEDs are carbamazepine, clobazam, gabapentin etc. The pregnant women affected by epilepsy cannot be given the drugs used forepilepsy for normal people. Women with epilepsy do not have normal body conditions that are irregular menstrual cycle, anavulatory cycles, reproductive



Pharmacosomes: A new class of drug carrier delivery: A review

Shubham Sharma¹, Virendra Singh Rathore², Nayany Sharma³, Rupali sontakke⁴, Neha kamalpuria⁵

¹⁻⁵ Indore Institute of Pharmacy, Opp. IIM, Pithampur road, Rau, Indore, Madhya Pradesh, India

Abstract

Pharmacosomes are amphipathic lipid vesicular systems that are of very great importance because they are known to improve the bioavailability of lipid insoluble drugs. They are the colloidal dispersions of drugs which are covalently bounded to lipids, and exist as ultrafine vesicular, micellar, or hexagonal aggregates, depending on the chemical structure of drug-lipid complex. Because the system is formed by linking a drug (pharmakon) and carrier (soma) hence they are called pharmacosomes. The pharmacosomes show greater stability, facilitated transport across the biological membrane and a controlled release. Pharmacosomes have been prepared containing various non-steroidal anti-inflammatory drugs, proteins, cardiovascular and antineoplastic drugs. Development of pharmacosomes containing different drugs has been found to improve the absorption and minimize the gastrointestinal toxicity. Pharmacosomes are like the solution for all most all the problems which are related with liposomes, niosomes, transferosomes and so forth. They may serve as efficient tool to achieve desired therapeutic action by drug targeting and controlled release.

Keywords: pharmacosomes, vesicular, phospholipid complexes, bioavailability, targeted drug delivery system

Introduction

The most acceptable system is the Novel drug delivery system and approachable in developing the drug delivery system which improves the therapeutic efficacy of drugs thus provides controlled and sustained drug delivery to the specific site with minimum side effects. Many systems including liposome, niosome, virosomes, and transferosomes have demonstrated their potential for application in effective drug delivery. The limitations of transferosomes can be overcome by the "Pharmacosome" approach. The prodrug unites the hydrophilic and lipophilic properties, and for this reason it acquires amphiphilic characters. Likewise to other components which are helpful in different vesicle systems, it was found to greatly reduce interfacial tension in fact at higher concentrations it exhibits very powerful mesomorphic behavior. Pharmacosomes are amphiphilic complexes of drugs (containing an active H atom) with lipids. The drugs may be bound covalently, electrostatically or by hydrogen bonds to lipids. Depending on the chemical structure of the drug-lipid complex, they are defined as colloidal dispersions of drug covalently bound to lipids existing as ultrafine vesicular, micelle, or hexagonal aggregates. Controlled drug-delivery system is generally made to achieve two main targets they should be possessing: the ability to reach its target and the ability to release the active pharmaceutical ingredient in a very controlled manner. Any drug containing an active hydrogen atom like (COOH, -OH, -NH₂, etc.) can be esterified to the lipid, with or without spacer group that strongly result in an amphiphilic compound, which will facilitate membrane, cell wall or tissue transfer, in the organism. The system yet requires greater efforts towards investigating the non-bilayer phases, and exploring the mechanism of action^[1,2].

Merits

- It is suitable for both water soluble and lipid soluble drugs.
- The aqueous amphiphilic solutions exhibit a concentration dependent accretment.
- High and predetermined entrapment efficiency as drug and carrier form a stoichiometrically defined unit covalently linked together.
- Entrapment efficiency is not going to be influenced by its inclusion volume.
- Like in the the case of liposomes, here there will be no need to remove free and untrapped drug.
- As drug is covalently bound, membrane fluidity has no effect on release rate, but in turn depends upon the phase-transition temperature of the drug-lipid complex.
- As here the drug is covalently binded to carrier therefore no leakage of drug will take place and drug can also be delivered directly to its site of action
- Drug present in pharmacosomes is generally released from pharmacosomes by hydrolysis (including enzymatic). Their velocity of degradation into the metabolite and its active drug molecule, after absorption depends on the size, functional groups present in drug molecule, the chain length of the lipids, and the spacer group.
- Helpful in improving bioavailability in the case of poorly soluble drugs.
- Adverse effects and toxicity can be minimized.

Demerits of Pharmacosomes

- Amphiphilic nature will depend upon the compound synthesis

Monolithic Columns in Bio-analysis: A review

ISSN: 0211-2574

Neha Khanzode*, Ankit Mukati, Neha Kamalpuria, Kuldeep Vinchurkar

Indore Institute of Pharmacy/ All India Institute of Technical Education (AICTE)/

Rajiv Gandhi Proudyogiki Vishwavidyalaya(RGPV)/ India

E-mail: inehakhanzode@gmail.com

Abstract

HPLC has its heart instilled in it named as columns which are responsible for separation and bifurcation of compounds present in a sample. Monolithic column is created in such a way that many channels form inside the column of HPLC. Manufactured with high-purity silica, high ligand density and fully capped, available in 100 mm, 50 mm, and 25 mm lengths for speed options. Monolithic filling utilized in chromatography is of unfathomable interest among the researchers since the elementary reports. These fillings were amalgamated and used for a long time, probably since silica-based monolithic sections were brought into the business market. Since then, various paper portraying their chromatographic properties and utilities in different areas of industry and analytical examinations were published. The examination of organic mixtures in natural examples, for example, blood plasma, urine, and tissue is fundamental to explain natural marvels. The analysis of drug and its metabolites after *in-vivo* administration is also important. Partition is viewed as quite possibly the main scientific strategies. Chromatographic strategies, particularly HPLC, have the earmarks of being the most well-known, on the grounds that the methods take into account the partition of very confounded combinations of analytes.

Novel and modern approaches in biological sample preparation is the need of the hour. Many published studies showed the applicability potential of silica-based monolithic columns in investigations of various samples, including plants, dietary supplements, and drugs. This review is centered around potential utilization of economically and widely accessible silica based HPLC monolithic column in the examination of organic plant samples. Right now, two organizations produce solid segments dependent on silica for HPLC—Merck KGaA (Darmstadt, Germany) and Phenomenex (Torrance, CA, USA). Their products are available under trade names Chromolith® and Onyx™, respectively.

Keywords: Drug advances in columns and bio-analysis, Fixed stages in HPLC, Monolithic column, Plant material.

I. Introduction

Reverse phase chromatography for HPLC is a progressively creating strategy broadly utilized in practically all parts of industries and drugs synthetics and agricultural food examinations just as in lab practice and logical exploration [1]. The technique depends upon the separation of gold compounds from a matrix of samples containing different accompanying elements consequently the chromatographic section loaded up with the stationary stage where the partition cycle happens is named "the core of the chromatographic framework". At present segments with different sort of feelings are monetarily accessible nonetheless, circular pressed segments are still most normally utilized.

The irrefutable establishment of all monolithic sections was amazingly presented by (Svec et al)[2]. monolithic fixed stages were the subjects of interest for a few, research bundles throughout the most recent 30 years they are often times called "monolithic bars" [3] or "silica bars" of silica monolithic areas [4]. Due to the brand name structure that members them from standard round fillings and their different central focuses including low powerlessness to encouraging and low stream resistance they are an essential fascinating choice for certain analyst. Considering the sort of material used for amalgamation, monolithic portions can be isolated into two gatherings, the first relies upon silica and the second relies upon polymeric material[6]. Vyviurska et al. presented and intensive connection of two sorts of monetarily accessible monolithic [7]. That critical damage of most polymer is monolithic fillings is their

ability to isolate little particles[8], hereafter, their significance in the examination of test with an amazing network for plant material is less. They are for the most part of applied for examination of blends in with high sub nuclear weight, for instance, protein and poly-nucleotides [9,10,11,12] and they put forward more noticeable importance in reverse-phase chromatography strategies [13,14]. Albeit polymeric monolithic sections are made by specific makers for instance BIA Partitions (Slovenia, Ljubljana), Bio-Rad Research centers (Hercules, CA, USA), or Thermo Logical Phenomenex Company (Sunnyvale, CA, USA) [15], the vast majority of reports covers home-made fillings and, in these cases, the duplicatability of results is difficult to get considering the way that the pattern of association drives by different experts may to some degree of contrast[14,16].


Principal

Indore Institute of Pharmacy,
INDORE (M.P.)



A New Class of Probiotic Health Drink – Kombucha

Neha Kamalpuria*, Nayany Sharma Sakalle, Dr. Sanjay Jain

Indore Institute of Pharmacy, Opposite IIM, Rau- Pithampur Road, Indore, M.P., India.

Email: neha.kamalpuria26@gmail.com

ABSTRACT

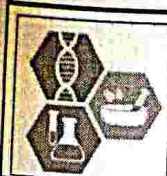
Keywords:
Kombucha ,
traditional sweet
beverage ,
symbiotic colony of
bacteria and yeast
(SCOBY).

Kombucha is a traditional sweet beverage containing potential hepatoprotective agents prepared by fermenting sweetened black or green tea with a symbiotic colony of bacteria and yeast (SCOBY). It is consumed, but historically in China, Russia and Germany for its refreshing and beneficial properties on human health. Drinking of kombucha can prevent various types of human illness including AIDS, cancer, cardiovascular diseases, and diabetes and stimulate the immune system. Kombucha is the “ultimate health drink”. Potential health effects have created an increased interest in kombucha. Adverse effects are very rare, which possibly arise from contamination during home preparation. In present review the beneficial effects of Kombucha on human health were studied, its production and adverse effects associated with drinking of Kombucha were explored.

Introduction

Kombucha is a slightly sweet, acidic refreshing beverage, which is eaten worldwide. It is mainly produced by fermenting tea using symbiotic colony of bacteria and yeast (SCOBY). It tastes like apple cider. It was first used in East Asia for

its healing benefits, but mainly it originated in northeast China around 220B.C. It is known by 80 different names worldwide. [1] In Japanese the term Kombucha refers to different beverage made from dried and powdered Kombu. Advantages of Kombucha
Antimicrobial action: - It shows inhibitory action against various pathogenic



E-ISSN: 2278-4136
P-ISSN: 2349-8234
JPP 2019; 8(5): 470-472
Received: 14-07-2019
Accepted: 16-08-2019

Sharma Shubham
Indore Institute of Pharmacy,
Indore, Madhya Pradesh, India

Sontakke Rupali
Indore Institute of Pharmacy,
Indore, Madhya Pradesh, India

Sharma Nayany
Indore Institute of Pharmacy,
Indore, Madhya Pradesh, India

Pancholi Neetu
Indore Institute of Pharmacy,
Indore, Madhya Pradesh, India

Kamalpuria Neha
Indore Institute of Pharmacy,
Indore, Madhya Pradesh, India

Imminent composition of *Musa paradisiaca* Blossom of Indian origin: A review

Sharma Shubham, Sontakke Rupali, Sharma Nayany, Pancholi Neetu and
Kamalpuria Neha

Abstract

Musa paradisiaca species of banana is majorly grown in India. It contains high amount of fibre which has very high nutritional value. It contains plethora of phytoconstituents as alkaloids, glycosides, terpenoids, saponins, steroids, vitamins in it. The flowers of banana blossom are of tremendous nutritional importance as it contains (moisture, ash, fiber, protein and carbohydrate). As per the different elementary studies, it also contains some macro (Ca, K, Cl, S) and micro (Mn, Zn, Cu) elements and contains vitamin E and high amount of flavanoids. The extracts of blossom with ethanol and water are mainly used due to its anti-inflammatory activity, antimicrobial activity, antioxidant activity, pancreatic lipase inhibitory activity and contain a number of flavonoids, vitamin E in it.

Keywords: *Musa paradisiaca*, macro and micro elements, anti-inflammatory, vitamin E

Introduction


It is of tremendous importance in traditional medicine in the treatment of bronchitis, constipation, ulcer problems and menstrual bleeding [1, 13]. The extracts of banana blossom have antioxidant properties that prevent free radicals and control cell and tissue damage [2]. It is used as a vegetable in a variety of Medicinal plants with significant pharmacological importance are used to treat different diseases as it is mentioned in many cultures and various system of medicine. This endemic knowledge, is transferred from generations. This review focuses on the species of banana blossom which is widely grown in India, its imminent composition and its uses in different pharmacological studies were carried out to validate the traditional uses of *M. paradisiaca* which is used to prevent and cure different types of disease and used as food and vegetable [14, 15]. The banana blossom is a large, dark purple-red blossom grows at the end of a bunch of bananas as shown in fig 1 [3]. The banana plant starts to spread in India by about 600 BC and after that it starts spreading all over the tropical world. It is considered as world's oldest cultivated crop. One of such plant family which is of medicinal importance is Musaceae. It consists of 2 genera and has 42 different species and in that 42 species, 32 species belongs to musa species it is one of the largest known herbaceous flowering plant in the world [4]. Banana and superannuated fruit known as "Apple of the Paradise". India is considered as world's largest producer of banana and it is grown almost in every state [5]. Banana blossom is having tremendous nutritional value and has various health benefits. The flower raw form and sometimes it is consumed in cooked form by some Asians. The nutritional properties and health benefits of banana blossom are less focused by researchers, taking note on all these factors the present study was done to analyze the nutritional composition and antioxidant properties.



Fig 1: The banana blossom is a large, dark purple-red blossom grows at the end of a bunch of bananas

~ 470 ~

Correspondence
Sharma Shubham
Indore Institute of Pharmacy,
Indore, Madhya Pradesh, India


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

**ADDICTING DRUG-NEURAL SYSTEM, PREVENTION AND
GOVERNMENT POLICIES: A REVIEW**

Arihant Kasliwal*, Aastha Singh, Adesh Ameta, Aditya Shrivastava and Neha
Kamalpuria

Indore Institute of Pharmacy, Opposite IIM, Pithampur Road, Dehri, Rau.

Article Received on
28 May 2019,

Revised on 18 June 2019,
Accepted on 08 July 2019

DOI: 10.20959/wjpps20198-14299

***Corresponding Author**

Arihant Kasliwal
Indore Institute of Pharmacy,
Opposite IIM, Pithampur
Road, Dehri, Rau.

ABSTRACT

Addiction is a global phenomenon having a negative impact on every aspect of user's life, physical health, social and family life, occupation, finances, etc. Addiction is not only about Cocaine, Heroin, not also about Alcohol, Smoking and Tobacco but also about addiction of general things like medicine, inhalation of some cosmetics as well as pain relieving gels, ointments, cream, pastes, etc. Addiction of drugs and general things has its vast impact in various regions. Different government of different countries has conducted various surveys. One of the survey conducted in Chandigarh, India has claimed that 93.06%

of total people are dependent on alcohol. Governments of some countries are running various policies and programs to tackle this problem like training programs, labor development programs and rehabilitation centers etc. The Narcotics and Psychotropic Substances Act, 1985, commonly referred to as NDPS Act, is an act of parliament of India that prohibit a person to produce/manufacture/cultivate, possess, sell, purchase, transport, store and consume any narcotic drug or psychotropic substances.

KEYWORDS: Addiction, Neural System, Drug Action, Central Nervous System, Narcotics.

INTRODUCTION

Addiction is a physical or psychological need to do, take air use something to the point where it could be harmful to you.

Neural system or nervous system is the system that coordinates its actions by transmitting signals to and from different part of the body.

Formulation and Evaluation of Polyherbal Antiaging Cream

November 2021 · *Asian Journal of Pharmacy and Technology*

DOI: [10.52711/2231-5713.2021.00047](https://doi.org/10.52711/2231-5713.2021.00047)

Aman Yadav · Dinesh Mishra · Pritesh Paliwal · [Show all 5 authors](#) · Arpit Gawshinde

Citations 0

Recommendations  1

Reads  52

[See details](#)

Overview

Stats

Comments

Citations

References (13)

...

Request full-text

Share 

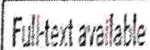
More 

Abstract

Moringa oleifera family Moringaceae and *Ocimum sanctum* family Labiatae has been reported to possess antioxidant, antimicrobial, antiinflammatory, antibacterial and antifungal properties. *Moringa oleifera* and *Ocimum sanctum* extracts have been used to treat antimicrobial infections. The aim of this present study is to formulate and evaluate of polyherbal anti-aging cream by combining the extract of *Moringa oleifera* with *Ocimum sanctum* to achieve multipurpose skin effects such as anti-aging, fairness, softening and antiseptic effects. The polyherbal anti-aging cream formulations comprising of hydroalcoholic extract of *Moringa oleifera* and *Ocimum sanctum*, carbapol 940, xanthan gum, stearic acid, glycerol monostearate and cetyl alcohol were prepared and evaluated for physicochemical parameters and the results showed the production of stable polyherbal anti-aging cream. The formulated polyherbal anti-aging cream (O/W) was subjected to characterize like visual inspection, pH, viscosity, good spreadability, good consistency, homogeneity, no evidence of phase separation and ease to washable from skin. Formulation (F4) exhibited fulfilled the objectives of the current research and % drug release is 98.78 and exhibit good anti-microbial activity.

 Related research

EVALUATION OF HERBAL CREAMS
FORMULATED USING ETHANOLIC
EXTRACT OF CARICA PAPAYA LEAVES

Article  Full-text available May 2022

 Download

[View more](#)



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Article

Formulation and Evaluation of Orodispersible Tablet of poorly water Soluble Drug 'Fenofibrate' by Using Solubility Enhancement Technique

November 2021 · *Asian Journal of Pharmacy and Technology*

DOI: [10.52711/2231-5713.2021.00046](https://doi.org/10.52711/2231-5713.2021.00046)

Ali Asgar Dabeer · Dinesh Mishra · Nadeem Farooqui · Arpit Gawshinde

Research Interest Score  0.5

Citations 0

Recommendations   1

Reads   6

[See details](#)

Overview

Stats

Comments

Citations

References (16)

...


Request full-text

Share 


More 

Abstract

In the recent years scientific and technological advancements have been made in the research and development of oral drug delivery systems. The aim of this study was to formulate and evaluate of orodispersible tablets by direct compression for fenofibrate by using super fast disintegrating agents like croscarmellose sodium. The use of super disintegrant and excipient for preparation of fast disintegrating is highly

 Related research

A Comparative Study of Different Proportions of Superdisintegrants:


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Article

Formulation, Optimiziation and Evaluation of Polyherbal Anti-Dandruff Shampoo

August 2021 · [Asian Journal of Pharmacy and Technology](#)

DOI: [10.52371/2051-5713.2021.00036](#)

Arpit Gawshinde · Dinesh Mishra · Neha Kamalpuria · [Show all 5 authors](#) · Surbhi Choursiya

Research Interest Score 0.6

Citations 0

Recommendations 1 0 new

Reads 159 1 new

[See details](#)

Overview

Stats

Comments

Citations

References (16)

...

Request full-text

Share

More

Abstract

Psidium Guajava, family Myrtaceae and *Glycyrrhiza glabra* family Leguminosae has been reported to possess antioxidant, antimicrobial, antiinflammatory, antibacterial and antifungal properties. Gauva and Liquiorice extracts have been used to treat antimicrobial infections. It contain several chemicals compound such as flavonoids, tannins, phenols, triterpenes, saponins, to take the benefit of the nature of extract.

Related research

Antifungal and Antibacterial Property of Guava (*Psidium guajava*) Leaf Extract:

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



M Pharm 2021

Group · 13 participants



Audio



Video



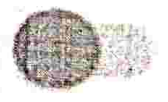
Search

Media, links, and docs

61 >



Mute notifications



Custom notifications




Media visibility



Encryption

Messages and calls are end-to-end


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Your security code with Jay Diploma | Year changed. Tap to learn more.

23 December 2021

Pankaj Dixit Sir



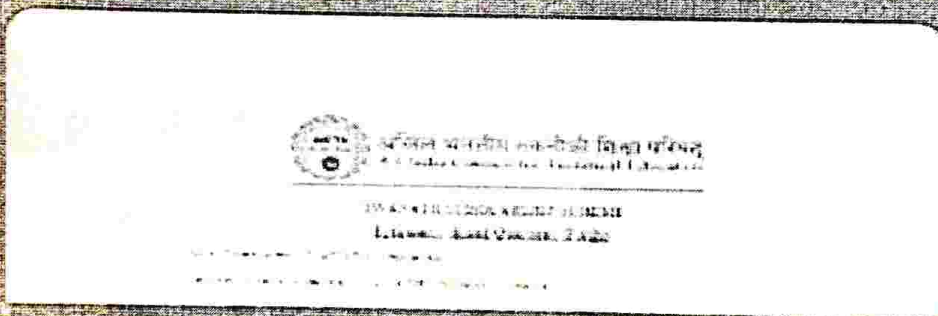
AICTE-SWANATH - SCH...



6 pages • 440 kB • PDF

11:46 am

Pankaj Dixit Sir



FAQs-Swanath Schem...



7 pages • 834 kB • PDF

11:46 am

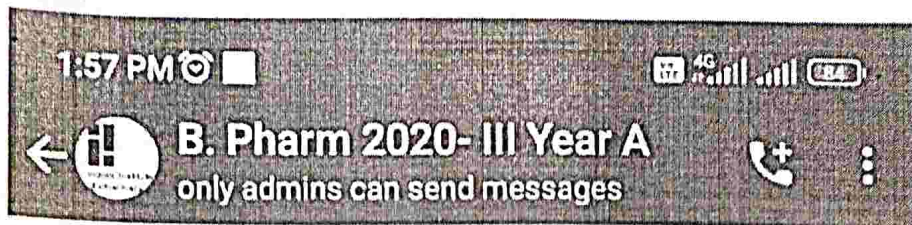
24 December 2021

Pankaj Dixit Sir

Forwarded



Principal
Indore Institute of Pharmacy
INDORE, I.I.P.



22 November 2021

Dear all,
 Today's Second sessional examination link for
 BP 301T will be shared in the Google classroom
 at 10.30 am and will be closed at 11.30 am.

It is mandatory for all to appear in the
 examination.

All the best.

9:40 am

Respected madam

National pharmacy week 2021:

Dear participants of poster and slogan
 competition, there is a slight change in
 the schedule of above said competition
 that instead of today, it will be conducted
 tomorrow(23/11/2021) at 3:00 pm in S-8, IIP
 building.

12:59 pm

Kuldeep Sir

Dear all,
 Today's Second sessional examination link for
 BP 302T will be shared in the Google classroom
 at 02:00 pm and will be closed at 03:00 pm.

It is mandatory for all to appear in the
 examination.

All the best.

1:22 pm


Respected madam

➔ Forwarded

N Naik is inviting you to a scheduled Zoom
 meeting.

Topic: Inauguration of National Pharmacy Week

Message


 Principal
 Indore Institute of Pharmacy.
 INDORE (M.P.)

1:58 PM

4G 84



Indore Institute of Pharmacy

B. Pharm 2020- III Year A

Group · 81 participants



Group call



Add



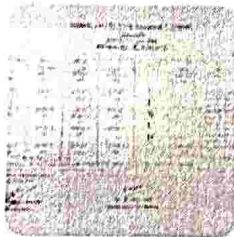
Search

Add group description

Created by You, 23/11/20

Media, links, and docs

343 >



Mute notifications

Always

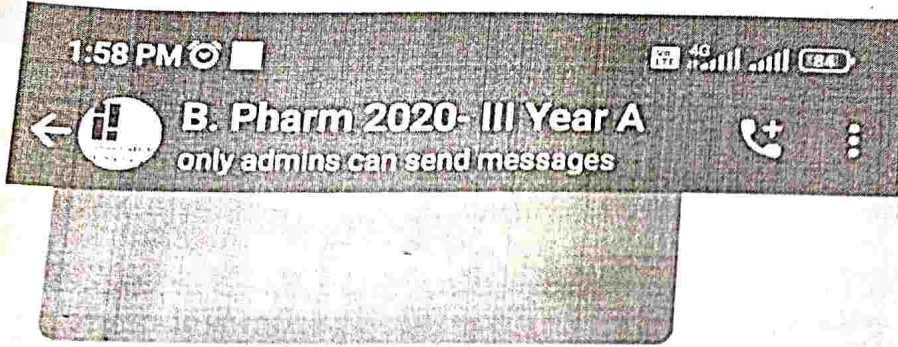


Custom notifications



Media visibility


Principal
Indore Institute of Pharmacy
INDORE (M.P.)



First Practical Sessional Time Table

3:54 pm

12 October 2021

Rupali Sontakke New

Dear all,

Today's First sessional examination link for BP 303T will be shared in the Google classroom at 10:00am and will be closed at 11.00 am.

All the best for the exam.

9:01 am

Dear Students,

Today's Pharma Engineering sessional examination link for BP 304T will be shared in the Google classroom at 02:00PM and will be closed at 03:00PM.

All the best exam.

12:22 pm

13 October 2021

Dear Students,

Today's first practical sessional examination of BP 305P Pharmaceutical Organic Chemistry II link will be shared in the Google classroom at 10.00 am. Link will be closed at 11.00 am.

All the best

9:09 am

Message



[Signature]
Principal
Indore Institute of Pharmacy.
INDORE (M.P.)

D. Pharm. 2022 passout

Group - 68 participants



Group call



Add



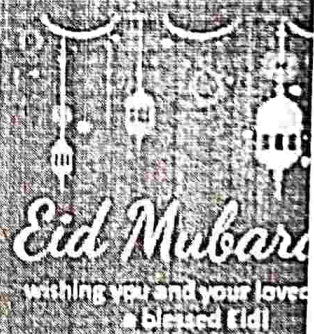
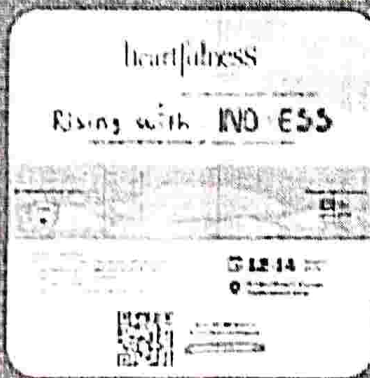
Search

Add group description

Created by Miral Mam, 05/11/2020

Media, links, and docs


248 >



Mute notifications



Custom notifications


Principal
Indore Institute of Pharmacy
Nirre, Indore

Rules for Group Song Competition

1. Minimum number of participants in a group should be 8 and maximum should be 15.

2. Participants should submit their entries before the deadline and keep up to 8 August 2022.

3. Duration of songs will be 3-5 minutes.

4. Participants should be accompanied by their parents/guardians.

5. Participants should be accompanied by their parents/guardians.

6. Participants should be accompanied by their parents/guardians.

7. Participants should be accompanied by their parents/guardians.

8. Participants should be accompanied by their parents/guardians.

9. Participants should be accompanied by their parents/guardians.

10. Participants should be accompanied by their parents/guardians.

Dr. Parvathi Chandra (M.B.B.S), Dr. Manish (M.B.B.S), Dr. Mohan (M.B.B.S)

1100, 11th Floor, Indraprastha Road, Indore - 451111
 T: +91 79 2531 1209 Fax: +91 79 2531 1210

➔ Forwarded

forms.gle
<https://forms.gle/CN6N9PeukPro8hgr7>
 forms.gle

Dear Students,

This year our Nation is celebrating 76th Independence Day/ Azadi ka Amrit Mahotsav.

As every year IIST-IIP-IIMR Group of Institution is also ready to celebrate this special occasion with great zeal.

With the belief in holistic development and to ensure enthusiastic participation of our students, Institutions are organising Group Dance and Group Singing competitions with attractive cash prizes.

Use given link to participate/register in both the competitions-

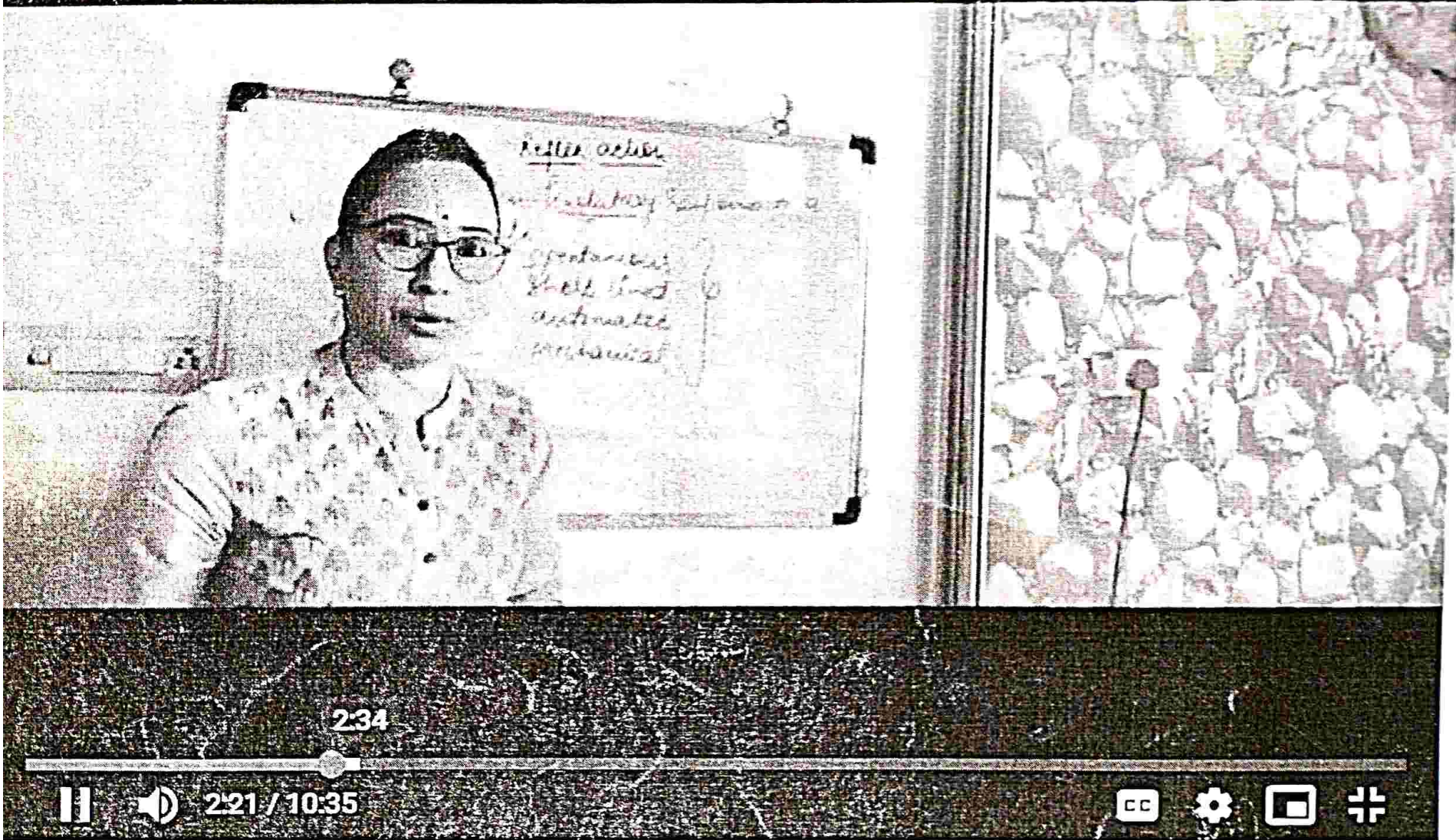
<https://forms.gle/CN6N9PeukPro8hgr7> 4:35 am ✓

8 August 2022

Yashu Chourasia IIP adder Shivangli

Principal
 Indore Institute of Pharmacy
 INDORE (M.P.)

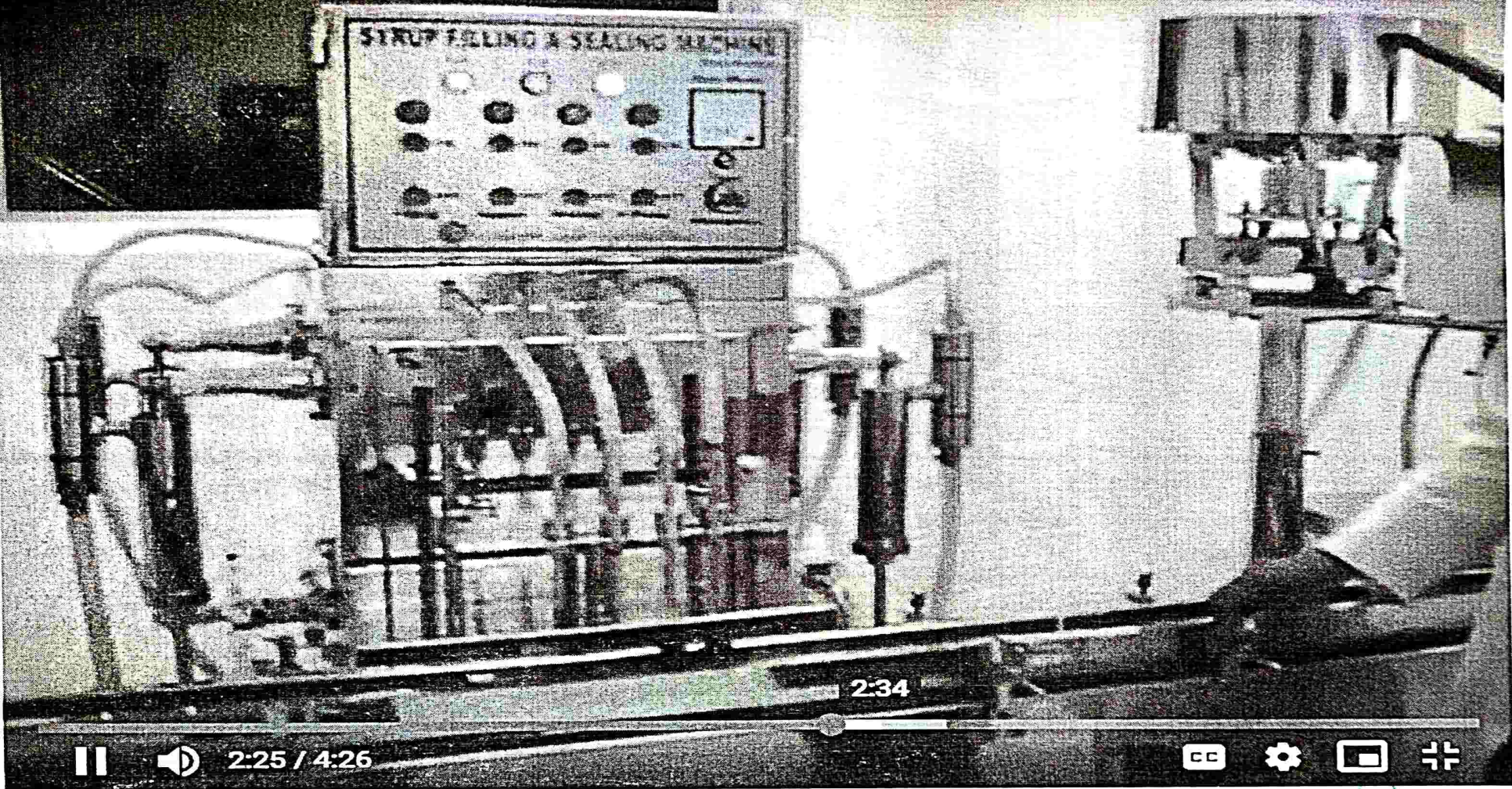
Reflex action



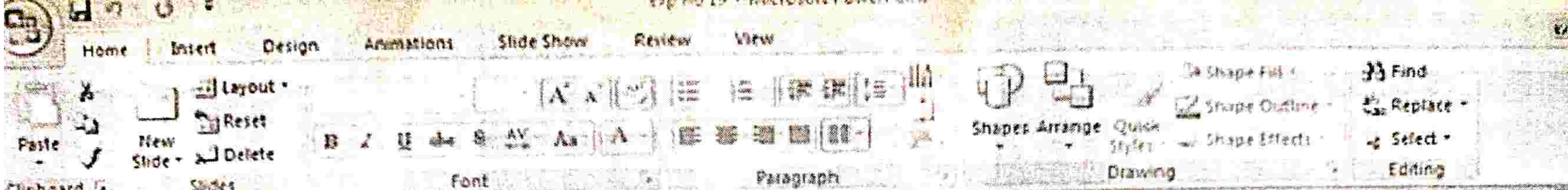
video lecture uploaded on Google Classroom by Dr. Rekha Bisht



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)
INDORE (M.P.)



Slides Outline

1 Formula

Ingredient	Quantity	Notes
Aspirin	50.0g	100 mesh
NaCl	50.0g	100 mesh
Starch	50.0g	100 mesh, and use appropriate amount of water
Excipient	1.0g	amount required

2 Procedure

- Weigh and powder all the ingredients
- Mix them in ascending order of their weight
- Pass the mixed powder through a sieve No 20
- After sifting again mix gently
- Transfer powder in a clean, dry container to protect from any moisture contamination

3

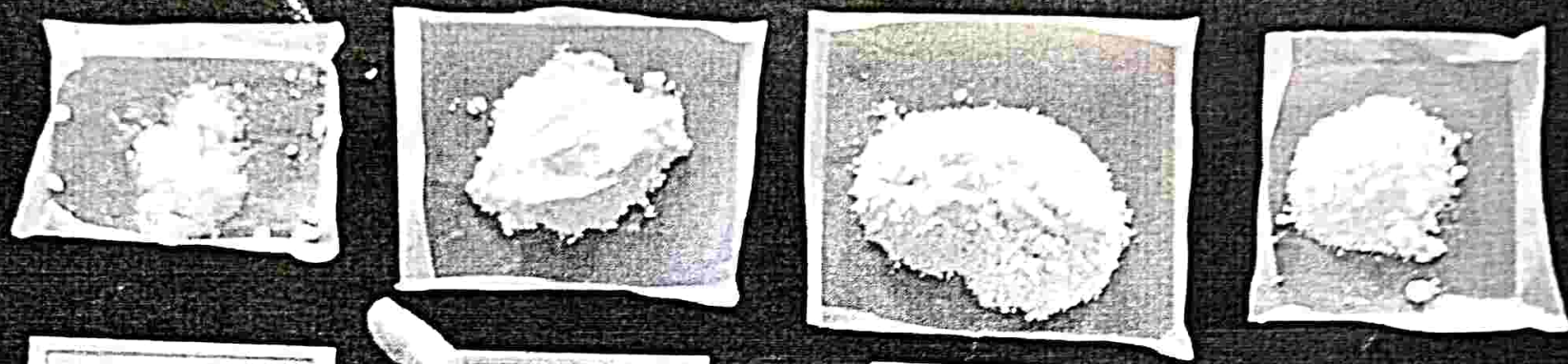
- Category: antiseptic and antifungal
- Direction: applied on the affected part 3-4 times a day
- Storage: well closed container at a cool place
- Use: prevent infection and skin healing

Exp. No. 19

To prepare and submit dusting powder

Click to add notes

How to Prepare Dusting Powder- डस्टिंग पाउडर कैसे बनाते हैं By Solutio...



Salicylic Acid- 01 gm.
For making 20 gm.

...- 05 gm.

Talc- 10 gm.
For making 20 gm.

Zinc Oxide- 04 gm.
For making 20 gm.



0:41 / 2:26

Scroll for details



[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Exp. no. 19 - Microsoft PowerPoint

Home Insert Design Animations Slide Show Review View

Clipboard Slides Font Paragraph Drawing Editing

Layout Reset Delete

Shape Fill Shape Outline Shape Effects

Find Replace Select

Shapes Arrange Quick Styles

Slide 1 of 10 "Office Theme"

Click to add notes

Formula

Number	Weight	Particulate
1	10g	100%
2	10g	100%
3	10g	100%
4	10g	100%
5	10g	100%

- Procedure
- Weigh and powder all the ingredient
 - Mix them in ascending order of their weight
 - Pass the mixed powder through sieve no 80
 - After sifting again mix gently
 - Transfer powder in a clean top container to protect from atmospheric contamination

- Category: antiseptic and antifungal
- Direction: applied on the affected part 2-3 times a day
- Storage: in a closed container at a cool place
- Use: does not prevent infection and also feebly

Exp. No. 19

To prepare and submit dusting powder

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Practice Quiz II Dietary supplements & Nutraceuticals

* Required

1. Email *

2. Name of student *

3. Enrollment number *

4. Free radicals: *

1 point

Mark only one oval.


- All free radicals are reactive species
- All reactive oxygen species are free radicals

5. The non-radical species include *

1 point

Mark only one oval.

- Superoxide
- Hydrogen peroxide
- Oxygen radical
- Hydroxyl


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

6. The high reactivity of free radicals is due to *

1 point

Mark only one oval.

- The absence of unpaired electron
- The presence of one unpaired electron

7. Complex carbohydrates consist of a chemical structure that is made up * 1 point
of

Mark only one oval.

- One sugar molecule
- Two sugar molecules
- Three or more sugar molecules linked chain

8. A free radical is *

1 point

Mark only one oval.


- A cell that promotes health throughout the body
- A naturally or artificially occurring substance that cause disease if left unchecked
- A vitamin that is distributed at no charge at health food stores and natural-medicine clinics
- A nutrient that works to correct any imbalance in your body

9. Which of the following does not contain antioxidants? *

1 point

Mark only one oval.

- Tea
- Whole grains
- Coffee
- None of the above


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

10. Which of the following can neutralize 'bad' cholesterol so it doesn't damage your arteries? * 1 point

Mark only one oval.

- Papaya
 Sweet potato
 Nuts
 All of the above

11. The Food Safety and Standards Authority of India (FSSAI) has issued a set of guidelines regarding the recall of _____ from the market? * 1 point


Mark only one oval.

- Unsafe drinking water
 Unsafe food products
 Unsafe labelling
 Unsafe packaging

12. FSSAI has launched which logo for fortified foods? * 1 point

Mark only one oval.

- Square with a F and a +sign with a ring
 Circle with a F and a +sign with a ring
 Rectangle with a F and a +sign with a ring
 None of the above


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

13. FSSAI has set up a scientific panel on _____ *

1 point

Mark only one oval.

- Final regulations on food fortification
- Preparing strategies to address malnutrition
- Boosting production and consumption of fortified foods
- All of the above

14. Regulator FSSAI has joined hands with which organization to check misleading ads in the foods and beverages sector? *

* 1 point

Mark only one oval.

- ASCI
- ASDI
- ASOI
- ASBI

15. AGMARK act 1937 comes under *

1 point

Mark only one oval.


- Dept. of consumer affairs, Govt of India
- Dept. of Agriculture and Cooperation
- Dept. of marketing and inspection
- Dept. of Legal Meterology

16. What is HACCP system for? *

1 point

Mark only one oval.

- Physical, Chemical and Biological Hazards
- A systematic analysis of all steps and regular monitoring of the control points
- Identifying the CCPs, including their location, procedure and process
- Accurately monitoring food hygiene hazards


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

17. What is an example of biological hazards? *

1 point

Mark only one oval.

- Salmonella
- Dirt
- Cleaners
- Antibiotics

18. Food safety and standards act, 2006- passes by Indian Parliament and notified on * 1 point

Mark only one oval.

- 23rd July 2006
- 23rd June 2006
- 23rd August 2006
- 23rd November 2006

19. Currently standards are present for which of the following?

* 1 point


1, Packaged drinking water

2, Piped drinking water

3, Well and canal water

Mark only one oval.

- 1, 2
- 1
- 1,3
- All of the above


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

20. Which of the following is/are true about potassium bromate? * 1 point

- 1, Potassium bromate is a category 2B carcinogen
- 2, Potassium bromate increases dough strengths, leads to higher rising and uniform finish to baked products
- 3, Food Safety and Standards Authority of India (FSSAI) permits them up to 50 parts per million

Mark only one oval.

- 1,3
- 1,2
- 2,3
- All of the above

21. How many scientific panels have been constituted in Food Authority? * 1 point


Mark only one oval.

- 16
- 7
- 9
- 5

22. Benefits of implementing HACCP/ISO 22000 * 1 point

Mark only one oval.

- A preventive approach to safety
- Reduce the need for and cost of end product testing
- Can help identify process improvements and reduce customer complaints
- All of the above


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

23. Which of these is not an International Standards and Statutes? *


Mark only one oval.

- Codex Alimentarius Commission (CAC)
- European Union Standards (EU standards)
- Food and Agriculture Organization (FAO)
- Bureau of Indian Standards

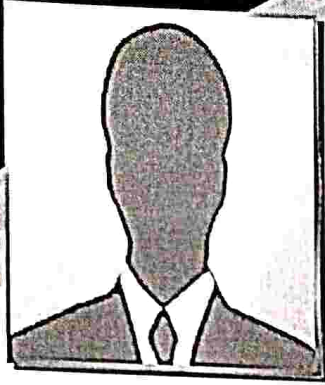
This content is neither created nor endorsed by Google.

Google Forms

Faint handwritten text, possibly bleed-through from the reverse side of the page.


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Certificate
8



CERTIFICATE OF APPRECIATION TO

GARVITA SHARMA

for being recognized as NPTEL BELIEVER
JUL-DEC 2020

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL BELIEVER
Candidate has to be present in 4/5/6
exams, passing at least 4 of these exams



Principal
Principal
Indore Institute of Pharmacy,
INDORE

Scanned with CamScanner

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20BT29S61620013

To
GARVITA SHARMA
BEHIND TOWN HALL, KALLANGANJ, PRAKHAR
TRANSPORT KHANDWA
NAGARNIGUM KE PICCHE, SHYAMAPRASAD
MUKHERJII WARD, PRAKHAR TRANSPORT, IN
FRONT OF DIAMOND TRANSPORT, KHANDWA, MP
KHANDWA
MADHYA PRADESH - 450001
PH. NO :7354153608

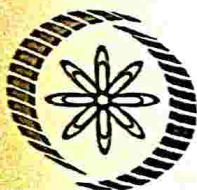
Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

GARVITA SHARMA

for successfully completing the course

Biomedical Nanotechnology

with a consolidated score of **73** %

Online Assignments	24.17/25	Proctored Exam	48.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 733

Prof. V. C. Srivastava
Coordinator, Continuing Education Centre
IIT Roorkee

Sep-Oct 2020
(4 week course)

Prof. Inderdeep Singh
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Roorkee



Scanned with CamScanner

Principal
Indore Institute of Pharmacy,
INDORE

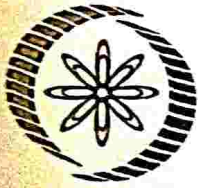
This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20BT24S51620029
To
GARVITA SHARMA
BEHIND TOWN HALL, KALLANGANJ, PRAKHAR
TRANSPORT KHANDWA
NAGARNIGUM KE PICCHE, SHYAMAPRASAD
MUKHERJII WARD, PRAKHAR TRANSPORT, IN
FRONT OF DIAMOND TRANSPORT, KHANDWA, MP
KHANDWA
MADHYA PRADESH - 450001
PH. NO : 7354153608

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:3
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
GARVITA SHARMA
for successfully completing the course

Drug Delivery: Principles and Engineering

with a consolidated score of **50** %

Online Assignments	14.69/25	Proctored Exam	35.21/75
--------------------	----------	----------------	----------

Prof. G. L. Sivakumar Babu
Chairman, Centre for Continuing Education
IISc Bangalore

Total number of candidates certified in this course: 222

Sep-Dec 2020
(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://npTEL.ac.in/noc/>

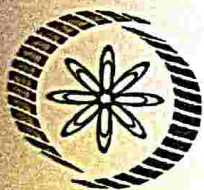
Roll No: NPTEL20BT23541620029
To
GARVITA SHARMA
BEHIND TOWN HALL, KALLANGANJ, PRAKHAR
TRANSPORT KHANDWA
NAGARNIGUM KE PICCHE, SHYAMAPRASAD
MUKHERJII WARD, PRAKHAR TRANSPORT, IN
FRONT OF DIAMOND TRANSPORT, KHANDWA, MP
KHANDWA
MADHYA PRADESH - 450001
PH. NO : 7354153608

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



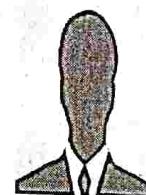
No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
GARVITA SHARMA
for successfully completing the course

Computer Aided Drug Design

with a consolidated score of **56** %

Online Assignments	11.38/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Total number of candidates certified in this course: 126

Sep-Nov 2020
(8 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



[Signature]
Principal

Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20BT31S71620015

To
GARVITA SHARMA
BEHIND TOWN HALL, KALLANGANJ, PRAKHAR
TRANSPORT KHANDWA
NAGARNIGUM KE PICCHE, SHYAMAPRASAD
MUKHERJII WARD, PRAKHAR TRANSPORT, IN
FRONT OF DIAMOND TRANSPORT, KHANDWA, MP
KHANDWA
MADHYA PRADESH - 450001
PH. NO :7354133608



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

GARVITA SHARMA

for successfully completing the course

Experimental Biotechnology

with a consolidated score of **52** %

Online Assignments	17.47/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 370

Sep-Dec 2020
(12 week course)

Prof. Hemant B Kaushik
Head, Centre for Educational Technology
& NPTEL Coordinator
IIT Guwahati



Indian Institute of Technology Guwahati



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner



CILACAR[®] 5/10/20
Cilastatin 5 mg/10 mg/20 mg Tablets

CERTIFICATE OF COMPLETION

This certificate is hereby bestowed upon

GARVITA SHARMA

For the exceptional performance that has led to successful completion of
90 Days Free Certificate Course on Basics of Cardiac Pharmacology conducted by
CliMed[®] Research Solutions in collaboration with World Youth Heart Federation - India and
Indian Pharmaceutical Association - Student Forum.



ASingh
DR. AJIT SINGH
CEO & Co-Founder
CliMed[®] Research Solution

Given on
21st DAY OF JANUARY, 2021

Priyansh Shah
MR. PRIYANSH SHAH
Founder & President
World Youth Heart Federation - India

Pragna Ella
MS. PRAGNA ELLA
Chairperson
Indian Pharmaceutical Association - Students' Forum

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner



06/11/2020

Garvita Sharma

has successfully completed

Biomedical Visualisation

an online non-credit course authorized by University of Glasgow and offered through Coursera

COURSE CERTIFICATE



Professor David M. Rowley
Associate Professor of Digital and Augmented Reality
Anatomy Institute
School of Life Sciences
College of Medical, Veterinary and Life Sciences
University of Glasgow
Glasgow
G12 8QQ
United Kingdom

Anne Webster
Graduate Teaching Assistant
Anne Marie Farrell
School of Life Sciences
College of Medical, Veterinary and Life Sciences
University of Glasgow
Glasgow
G12 8QQ
United Kingdom

Verify at coursera.org/verify/ZFE933T4UIYW
Coursera has confirmed the identity of this individual and their participation in the course

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner

Scanned with CamScanner

KAIST

**COURSE
CERTIFICATE**

06/16/2020

Garvita Sharma

has successfully completed

Biochemical Principles of Energy Metabolism

an online non-credit course authorized by Korea Advanced Institute of Science and
Technology(KAIST) and offered through Coursera



Professor Seung-yeon Kim
Department of Molecular Biology

Verify at coursera.org/verify/UDZRGUFLKIC
Coursera has confirmed the identity of this individual and
their participation in the course

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



Technical University
of Denmark

05/28/2020

Garvita Sharma

has successfully completed

Antimicrobial resistance - theory and methods

an online non-credit course authorized by Technical University of Denmark (DTU) and
offered through Coursera

**COURSE
CERTIFICATE**



Principals *Signature*

Principals Leekitcharoen-phol, Bine S. Minnikær

Verify at coursera.org/verify/7U6ZWEU3DZMS
Coursera has performed the identity of this individual and
their participation in the course.

Signature

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner



COURSE
CERTIFICATE

09/29/2020

Garvita Sharma

has successfully completed

Essential Epidemiologic Tools for Public Health Practice

an online non-credit course authorized by Johns Hopkins University and offered through Coursera



Arna Chaudhary, M.D., MPH

Verify at coursera.org/verify/PENBCL5RAE4E
Coursera has verified the identity of this individual and their participation in the course.

Arna Chaudhary

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



08/01/2020

Garvita Sharma

has successfully completed

Introduction to Systems Biology

an online non-credit course authorized by Icahn School of Medicine at Mount Sinai and offered through Coursera

Garvita Sharma
Systems Biology
Icahn School of Medicine at Mount Sinai

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/KJHTVGCQMKD3
Coursera has confirmed the identity of this individual and their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

VANDERBILT UNIVERSITY

COURSE
CERTIFICATE

06/01/2020

Garvita Sharma

has successfully completed

Case Studies in Personalized Medicine

an online non-credit course authorized by Vanderbilt University and offered through
Coursera



Ran M. Roden

Ran M. Roden, M.D., M.
Professor of Medicine and Pharmacology
Director, James Institute for Personalized Therapeutics
Assistant Vice-Chancellor for Personalized Medicine
Vanderbilt University School of Medicine

Verify at coursera.org/verify/PDD4UBGJG8UP
Coursera has confirmed the identity of this individual and
their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

COURSE
CERTIFICATE

05/01/2020

Garvita Sharma

has successfully completed

Healthcare Delivery Providers

an online non-credit course authorized by University of Minnesota and offered through
Coursera



Rahul Kozanne

How to verify your certificate
Go to <https://www.coursera.org/verify>

Verify at: [coursera.org/verify/59X4H37K6E6J](https://www.coursera.org/verify/59X4H37K6E6J)
Coursera has confirmed the identity of this individual and
their participation in the course.

[Signature]

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



COURSE CERTIFICATE

06/01/2020

Garvita Sharma

has successfully completed

Understanding Cancer Metastasis

an online non-credit course authorized by Johns Hopkins University and offered through Coursera



Kenneth F. Kincaid, John G. Ziegler, David A. Clark, H. Mark Kyte

© 2020 Johns Hopkins University. All rights reserved. This certificate is issued to the individual named above and is not valid if reproduced in any way. It does not constitute a grade, course credit, or degree. Establish any relationship between this course and other courses that attribute credit or register this learning (BCU or other BCU) only if you have been approved by the appropriate authorities to do so. For more information, please contact the appropriate authorities at the appropriate address provided on the certificate.

Verify at coursera.org/verify/KCDNU4EIVRYE
Coursera has confirmed the identity of this individual and their participation in the course.

Am
Principal

Indore Institute of Pharmacy,
INDORE (M.P.)



JOHNS HOPKINS
UNIVERSITY

COURSE
CERTIFICATE

06/06/2020

Garvita Sharma

has successfully completed

Leading Change in Health Informatics

an online non-credit course authorized by Johns Hopkins University and offered through Coursera



Ashwini S. Danson

Ashwini S. Danson, M.D.
Associate Professor of Pediatrics
Division of Health Services Informatics

Verify at coursera.org/verify/ESMYRXCEFEUD
Coursera has confirmed the identity of this individual and their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

UNIVERSITY OF
COPENHAGEN



COURSE
CERTIFICATE


Aayushi Arora

Diabetes - The Essential Facts

an online non-credit course authorized by University of Copenhagen and offered through Coursera



Verify an edX course's authenticity: EDXMA&EFAWTEE
Coursera has confirmed the identity of this institution and
its right to authorize this course.


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



JOHNS HOPKINS
UNIVERSITY

May 23, 2020

Sakshi Wagadre

has successfully completed with honors

Introduction to the Biology of Cancer

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera

Kenneth J. Pienta

Kenneth J. Pienta, M.D.
The Donald S. Coffey Professor of Urology
Professor of Oncology
The James Buchanan Brady Urological Institute
The Johns Hopkins University School of Medicine

**COURSE
CERTIFICATE**

WITH HONORS



[Signature]
Principal

**Indore Institute of Pharmacy,
INDORE (M.P.)**

Verify at:
coursera.org/verify/6DACWD7985J3

Coursera has confirmed the identity of this individual and their participation in the course.

This certificate does not attest that this learner was enrolled as a student at Johns Hopkins University. It does not confer a JHU grade, course credit or degree; establish a relationship between this learner and JHU; enroll or certify the learner at JHU or any course offered by JHU; or entitle the learner to access or use resources and the online courses provided by Coursera.

UNIVERSITY OF
COPENHAGEN



May 24, 2020

Sakshi Wagadre

has successfully completed

Diabetes - the Essential Facts

an online non-credit course authorized by University of Copenhagen and offered through
Coursera

COURSE
CERTIFICATE



Nicelai *Signe* *Jens*

Nicelai Jacob Wewer Albrechtsen
Signe Torekov
Professor Jens Juul Holst

[Handwritten Signature]

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Verify at:
<https://coursera.org/verify/K4NM292HNJRV>

Coursera has confirmed the identity of this individual and their
participation in the course.



4 Courses

05/26/2020

Garvita Sharma

has successfully completed the online, non-credit Specialization

Anatomy

In this Specialization you will explore human anatomy using a systems approach, and a vast library of multimedia materials, so you may understand the features of different organ systems in relation to the human body's form and function. This Specialization covers the following organ systems: Integumentary System, Musculoskeletal System, Cardiovascular System, Respiratory System, Urinary System, Nervous System, Gastrointestinal System, Reproductive System, Endocrine System. This Specialization takes advantage of a highly visual multimedia library of accurate anatomical models and materials to help you better understand the topics.

Anatomy: Musculoskeletal and Integumentary Systems

Anatomy: Cardiovascular, Respiratory and Urinary Systems

Anatomy: Human Neuroanatomy

Anatomy: Gastrointestinal, Reproductive and Endocrine Systems

This online specialization consists of 4 courses. The content is based on material from Coursera's audit and audit plus of the inclusion of the content available in the Coursera courses. Participation in this online specialization does not earn a degree. However, the course is a pre-requisite for the certificate program. To receive a certificate, you must complete the audit plus of each course in the University of Michigan.

Kathleen Alsop

Kelli Sullivan

Kathleen Alsop, Ph.D.
Lecturer and Curator
Division of Anatomical
Sciences, Department of
Surgery
University of Michigan
Medical School

Kelli Sullivan, Ph.D.
Lecturer, Division of
Anatomical Sciences
Department of Surgery
University of Michigan
Medical School

Glenn Fox

Glenn Fox, Ph.D.
Lecturer and Curator,
Division of Anatomical
Sciences, Department of
Surgery
University of Michigan
Medical School

Verify this certificate at
coursera.org/verify/specialization?IDWYQHCP7GW

[Signature]

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



06/07/2020

Garvita Sharma

has successfully completed

The Social and Technical Context of Health Informatics

an online non-credit course authorized by Johns Hopkins University and offered through Coursera.

David Lehmann

David Lehmann, M.D.
Professor and Director
Division of Health Services and Informatics
Johns Hopkins University

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/YH5TR4A3SDCD
Coursera has confirmed the identity of this individual and their participation in this course.

Om

**Principal
Indore Institute of Pharmacy,
INDORE (M.P.)**

Scanned with CamScanner



COURSE
CERTIFICATE

06/07/2020

Garvita Sharma

has successfully completed

The Data Science of Health Informatics

an online non-credit course authorized by Johns Hopkins University and offered through Coursera



Dr. K. Khanna, M.D. Ph.D.
Assistant Professor
Department of Biostatistics

Sam Yoseman
Senior Software Engineer
Enterprise Data Warehouse

Verify at coursera.org/verify/NMJNQS4GSLN
Coursera has confirmed the identity of this individual and their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



COURSE
CERTIFICATE

01/28/2020

Garvita Sharma

has successfully completed

Culminating Project in Health Informatics

an online non-credit course authorized by Johns Hopkins University and offered through Coursera



Ashwary S Danson

Idris Lehmann

Signature of Ashwary S Danson

Signature of Idris Lehmann

Verify at coursera.org/wallet/HQ4F3dEgXXC
For more information, the identity of this recipient and the issuer is available on the site.

[Signature]

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



UNIVERSITY OF MINNESOTA
Driven to Discover™

COURSE
CERTIFICATE

05/08/2020

Garvita Sharma

has successfully completed

Pharmaceutical and Medical Device Innovations

an online non-credit course authorized by University of Minnesota and offered through
Coursera



Stephen T. Parente, Ph.D.
Minnesota Insurance Industry Chair of Health Finance
Associate Dean of MBA Programs
Director, Medical Industry Leadership Institute
Professor, Department of Finance
Carlson School of Management
University of Minnesota

Verify at coursera.org/verify/UJR6SFSLKK22
Coursera has confirmed the identity of this individual and
their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

UC San Diego

05/12/2020

Garvita Sharma

has successfully completed

Drug Discovery

an online non-credit course authorized by University of California San Diego and offered through Coursera

COURSE
CERTIFICATE



Williams Ettouati

Williams S. Ettouati, Pharm.D.
Director, Industrial Relations & Development
H.S. Associate Clinical Professor, M.S.
Skaggs School of Pharmacy & Pharmaceutical Sciences
University of California San Diego

Joseph D. Ma

Joseph D. Ma, Pharm.D.
Associate Professor
Skaggs School of Pharmacy & Pharmaceutical Sciences
University of California, San Diego

Verify at coursera.org/verify/UZTQGKCUZPE9
Coursera has confirmed the identity of this individual and their participation in the course.

Principal

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner



COURSE
CERTIFICATE

05/13/2020

Garvita Sharma

has successfully completed

Speak English Professionally: In Person, Online &
On the Phone

an online non-credit course authorized by Georgia Institute of Technology and offered
through Coursera



Amalia B. Stephens

Amalia B. Stephens
Lecturer
GT Language Institute

Verify at coursera.org/verify/75BJFHM3B59T
Coursera has confirmed the identity of this individual and
their participation in the course.

Am

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

UC San Diego

05/16/2020

Garvita Sharma

has successfully completed

Drug Commercialization

an online non-credit course authorized by University of California San Diego and offered through Coursera

**COURSE
CERTIFICATE**



Williams Ettouati

Williams E. Ettouati, Ph.D.
Director, Industrial Quality Management
U.S. Associate Director, R&D
Scripps School of Pharmacy & Pharmaceutical Sciences
University of California, San Diego

Joseph D. Ma, Pharm.D.
Associate Professor
Scripps School of Pharmacy & Pharmaceutical Sciences
University of California, San Diego

Verify at coursera.org/verify/CPQC6DWJWt6T
Coursera has confirmed the identity of this individual and their participation in the course

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

UC San Diego

COURSE CERTIFICATE

05/14/2020

Garvita Sharma

has successfully completed

Drug Development

an online non-credit course authorized by University of California San Diego and offered through Coursera



Williams Etouati

Garvita Sharma

William S. Etouati, Director of
Industry, Industrial & Academic
Affairs, Associate Director of
Pharmaceutical Sciences,
University of California, San Diego

Garvita Sharma, M. Pharm. D
Associate Professor
College School of Pharmacy & Pharmaceutical Sciences,
University of California, San Diego

Verify at coursera.org/verify/CDMCWk43YLLF
Coursera has confirmed the identity of this individual and their participation in the course.

Principal

Indore Institute of Pharmacy,
INDORE (M.P.)



05/14/2020

Garvita Sharma

has successfully completed

**Fundamentals of Immunology: Innate Immunity
and B-Cell Function**

an online non-credit course authorized by Rice University and offered through
Coursera

**COURSE
CERTIFICATE**



Alma Novotny

Alma Moon Novotny, PhD
Biochemistry and Cell Biology Lecturer
Department of Biosciences

Verify at coursera.org/verify/R5XBHT68X45C
Coursera has confirmed the identity of this individual and
their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



UNIVERSITY OF MINNESOTA
Driven to Discover™

05/16/2020

Garvita Sharma

has successfully completed

Medical Technology and Evaluation

an online non-credit course authorized by University of Minnesota and offered through
Coursera

Eric Bar

Healthcare Marketplace Specialist
Medical Technology and Evaluation

COURSE
CERTIFICATE



Verify at coursera.org/verify/j889PQCMzVGz
Coursera has confirmed the identity of this individual and
their participation in the course

Am
Principal

Indore Institute of Pharmacy,
INDORE (M.P.)



3 Courses

Fundamentals of Immunology:
Innate Immunity and B-Cell
Function

Fundamentals of Immunology: T
Cells and Signaling

Fundamentals of Immunology:
Death by Friendly Fire



05/18/2020

Garvita Sharma

has successfully completed the online, non-credit Specialization

Fundamentals of Immunology

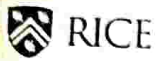
This Specialization equipped learners with the basic concepts and vocabulary of immunology. Learners were given a fundamental understanding of immunology and the ability to appreciate and analyze new developments in immunological therapies designed for the treatment of disease.

Alma Moon Navatny,
Ph.D

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at the university. This certificate does not confer a university grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
coursera.org/verify/specialization/5GNVUMY86VT

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



COURSE
CERTIFICATE

05/18/2020

Garvita Sharma

has successfully completed

Fundamentals of Immunology: Death by Friendly
Fire

an online non-credit course authorized by Rice University and offered through
Coursera



Alma Novotny

Alma Maria Novotny, Ph.D.
Biotechnology and Cell Biology
Department of Biochemistry

Verify at coursera.org/verify/R2HCEKYHDJDT
Coursera has confirmed the identity of this individual and
their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



05/18/2020

Garvita Sharma

has successfully completed

Fundamentals of Immunology: T Cells and Signaling

an online non-credit course authorized by Rice University and offered through Coursera

**COURSE
CERTIFICATE**



Alma Novotny

Alma Novotny, Ph.D.
Professor of Immunology and Cell Biology
Department of Biology

Verify at: coursera.org/verify/X7LFCVMH4FCZ
Coursera has confirmed the identity of this individual and their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



05/19/2020

Garvita Sharma

has successfully completed

Anatomy: Musculoskeletal and Integumentary Systems

an online non-credit course authorized by University of Michigan and offered through Coursera

**COURSE
CERTIFICATE**



B. Kathleen Alsup

Kathleen Alsup, Ph.D.
Lecturer and Curator, Division of Anatomical Sciences, Department of Surgery
University of Michigan Medical School

Verify at coursera.org/verify/6NRPJ29HNPU4
Coursera has confirmed the identity of this individual and their participation in the course.


Principal

**Indore Institute of Pharmacy,
INDORE (M.P.)**



Stanford MEDICINE

Stanford University School of Medicine certifies that
Garvita Sharma, Bachelor of pharmacy

has participated for *5.00* hours in the Enduring Material titled

Antimicrobial Stewardship: Improving Clinical Outcomes by Optimization of Antibiotic Practices

on 05/19/2020

This Activity was designated for *7.00 AMA PRA Category 1 Credit(s)*[™]

Accreditation

The Stanford University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Daryl Oakes, MD
Associate Dean for Continuing Medical Education

Stanford Center for Continuing Medical Education | cme.stanford.edu | Email: StanfordCME@stanford.edu

Event ID 20868

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



AMERICAN MUSEUM
OF NATURAL HISTORY

COURSE
CERTIFICATE

AMNH 10070

Garvita Sharma

has successfully completed

The Science of Stem Cells

an online non-credit course authorized by American Museum of Natural History and
offered through Coursera



Instructor
Garvita Sharma

Verify at coursera.org/inventory/PP2SEKUEUBX
to view and confirm the identity of this individual and
the completion of the course

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



COURSE
CERTIFICATE

Student

Garvita Sharma

has successfully completed

**Anatomy: Cardiovascular, Respiratory and
Urinary Systems**

an online non-credit course authorized by University of Michigan and offered through
Coursera



John M. Fox

Signature of the instructor or administrator of the course
Name: John M. Fox, M.D. Title: Professor of Medicine

Verify at coursera.org/verify **SGQ8-QFHCA**
Coursera has confirmed the identity of this individual and
the validity of this certificate.

[Signature]
Principal

Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

COURSE
CERTIFICATE

05/11/2020

Garvita Sharma

has successfully completed

Healthcare Marketplace

an online non-credit course authorized by University of Minnesota and offered through Coursera



St. T. B.

Garvita Sharma
Principal
Indore Institute of Pharmacy,
Indore (M.P.)

Verify your Coursera degree info: HR0VKS4H4411
to ensure your certificate is authentic. For more info, visit coursera.org/verify and
click the path to verify in the message.

[Signature]

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



JOHNS HOPKINS
UNIVERSITY

COURSE
CERTIFICATE

05/22/2020

Garvita Sharma

has successfully completed

Introduction to the Biology of Cancer


an online non-credit course authorized by Johns Hopkins University and offered through Coursera



Kenneth J. Pienta

Kenneth J. Pienta, M.D.
Professor and Director
The Cancer Research Program
The Johns Hopkins University

Verify it coursera.org/verify/INY8CUS8MzYA
Coursera has confirmed the identity of this individual and their participation in the course.


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



COURSE
CERTIFICATE

05/22/2020

Garvita Sharma

has successfully completed

Anatomy: Human Neuroanatomy

an online non-credit course authorized by University of Michigan and offered through
Coursera



Kelli A. Sullivan

Principal
Faculty of Pharmacy
Indore Institute of Pharmacy

Verify at coursera.org/verify/8JWENIS&UEFS
Coursera has verified the identity of this individual and
their participation in the course.

[Signature]

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Yale

COURSE
CERTIFICATE

Garvita Sharma

has successfully completed

Introduction to Psychology

an online non-credit course authorized by Yale University and offered through
Coursera



Verify at coursera.org/verify/4UPRNVUMEW6H
Coursera has verified the identity of this individual and
their participation in the course.

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)



COURSE CERTIFICATE

Completed with
Garvita Sharma

has successfully completed

**Anatomy: Gastrointestinal, Reproductive and
Endocrine Systems**

an online non-credit course, authorized by University of Michigan and offered through
Coursera



Signature

Date

Garvita, in Coursera.org's system, REQUESTED
this certificate for Garvita Sharma. This individual and
their gain's credit is the request.

Signature

Principal
Indore Institute of Pharmacy,
INDORE (I.I.P.)



JOHNS HOPKINS
UNIVERSITY

May 22, 2020

Sweta Yadav

has successfully completed

Understanding Cancer Metastasis

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera

**COURSE
CERTIFICATE**



Kenneth J. Pienta, Jelani Zarif, Sarah Amend, Haley Axelrod, Kenneth Valkenburg

Kenneth J. Pienta, M.D., Jelani Zarif, Sarah Amend, Haley Axelrod, Kenneth Valkenburg
The James Buchanan Brady Urological Institute
The Johns Hopkins University School of Medicine

[Signature]
Principal

**Indore Institute of Pharmacy,
INDORE (M.P.)**

Verify at:
coursera.org/verify/DCY9BFVEYCIA

Coursera has confirmed the identity of this individual and their participation in the course.

This certificate does not affirm that this learner was enrolled as a student at Johns Hopkins University. It does not confer a JHU grade, course credit or degree; establish a relationship between this learner and JHU; enroll or

UCI Division of Continuing Education

May 20, 2020

Sweta Yadav

has successfully completed

Grammar and Punctuation

an online non-credit course authorized by University of California, Irvine and offered through Coursera



Helen Nam
Tamy Chapman
International Programs, UCI Extension



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/VMBR25VGCNG9>
Coursera has confirmed the identity of this individual and their participation in the course.

UC San Diego

May 18, 2020

Sweta Yadav

has successfully completed

Drug Commercialization

an online non-credit course authorized by University of California San Diego and offered through Coursera

COURSE
CERTIFICATE



Williams Etteouati

Joseph D.

Williams Etteouati, PharmD
Managing Director, Master of Science in Drug Development &
Product Management
Health Sciences Associate Clinical Professor
Associate Director, Center for Drug Discovery Innovation
Director, Education Innovation Support Team
Office of The Executive Vice Chancellor
University of California San Diego
Skaggs School of Pharmacy and Pharmaceutical Sciences

Joseph D. Ma, Pharm.D.
Associate Professor
Skaggs School of Pharmacy & Pharmaceutical Sciences
University of California, San Diego

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Verify at:
<https://coursera.org/verify/000UN5335R3X>

Coursera has confirmed the identity of this individual and their participation in the course.

UC San Diego

May 17, 2020

Sweta Yadav

has successfully completed

Drug Development

an online non-credit course authorized by University of California San Diego and offered through Coursera

COURSE
CERTIFICATE



Williams Ettouati

Joseph D. Ma

Williams Ettouati, PharmD
Managing Director, Master of Science in Drug Development &
Product Management
Health Sciences Associate Clinical Professor
Associate Director, Center for Drug Discovery Innovation
Director, Education Innovation Support Team
Office of The Executive Vice Chancellor
University of California San Diego,
Skaggs School of Pharmacy and Pharmaceutical Sciences

Joseph D. Ma, Pharm.D.
Associate Professor
Skaggs School of Pharmacy & Pharmaceutical Sciences
University of California, San Diego

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Verify at:
<https://coursera.org/verify/XQV9QAUL6SSB>
Coursera has confirmed the identity of this individual and their participation in the course.



University of Colorado

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

May 31, 2020

Sweta Yadav

has successfully completed

Introduction to Clinical Data Science

an online non-credit course authorized by University of Colorado System and offered through Coursera

Laura K. Wiley

Laura K Wiley, PhD
Assistant Professor
University of Colorado Anschutz Medical Campus

[Signature]
Principal

Indore Institute of Pharmacy,
INDORE (M.P.)

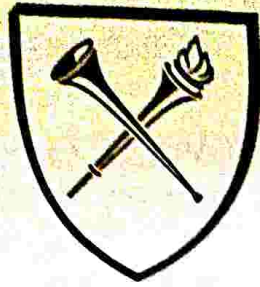
COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/4K9Y3HYD4AAD>

Coursera has confirmed the identity of this individual and their participation in the course.



EMORY UNIVERSITY

May 30, 2020

Sweta Yadav

has successfully completed

The Addicted Brain

an online non-credit course authorized by Emory University and offered through
Coursera

Professor Michael Kuhar, PhD
Yerkes/Emory Pharmacology and Neuroscience
Emory University

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/454AMPW7Z39S>
Coursera has confirmed the identity of this individual and their
participation in the course.

UNIVERSITY OF
COPENHAGEN



May 29, 2020

Sweta Yadav

has successfully completed

Diabetes - the Essential Facts


an online non-credit course authorized by University of Copenhagen and offered through
Coursera

COURSE
CERTIFICATE



Nicolai Jacob Wewer Albrechtsen *Signe Torekov* *Professor Jens Juul Holst*

Nicolai Jacob Wewer Albrechtsen
Signe Torekov
Professor Jens Juul Holst


Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Verify at:
<https://coursera.org/verify/ZWY5Z8G3QMF3>
Coursera has confirmed the identity of this individual and their
participation in the course.

KAIST

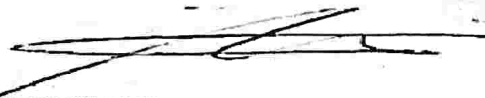
May 29, 2020

Sweta Yadav


has successfully completed

Big data and Language 1

an online non-credit course authorized by Korea Advanced Institute of Science and Technology(KAIST) and offered through Coursera



Secnmin Park
Big data and Language
Korea Advanced Institute of Science and Technology (KAIST)



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/ZLENNDMW2RSQ>
Coursera has confirmed the identity of this individual and their participation in the course.



JOHNS HOPKINS
UNIVERSITY

May 28, 2020

Sweta Yadav

has successfully completed with honors

Introduction to the Biology of Cancer

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera

Kenneth J. Pienta

Kenneth J. Pienta, M.D.
The Donald S. Coffey Professor of Urology
Professor of Oncology
The James Buchanan Brady Urological Institute
The Johns Hopkins University School of Medicine

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

COURSE
CERTIFICATE

WITH HONORS



Verify at:
coursera.org/verify/NEAE48HT4YNC

Coursera has confirmed the identity of this individual and their participation in the course.

This certificate does not affirm that this learner was enrolled as a student at Johns Hopkins University. It does not confer a JHU grade, course credit or degree; establish a relationship between this learner and JHU; enroll or



AMERICAN MUSEUM OF NATURAL HISTORY

May 28, 2020

Sweta Yadav

has successfully completed

The Science of Stem Cells

an online non-credit course authorized by American Museum of Natural History and offered through Coursera

COURSE
CERTIFICATE



Dr. Zehra Dincer
Course Instructor

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Verify at:
<https://coursera.org/verify/E48S35H8QZ3I>

Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

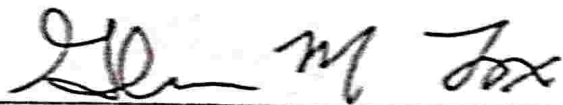
May 28, 2020

Sweta Yadav

has successfully completed

Anatomy: Cardiovascular, Respiratory and Urinary Systems

an online non-credit course authorized by University of Michigan and offered through Coursera



Glenn Fox, Ph.D.
Lecturer and Curator, Division of Anatomical Sciences, Department of Surgery
University of Michigan Medical School



Principal
Indore Institute of Pharmacy
INDORE (M.P.)

COURSE
CERTIFICATE



<https://coursera.org/certificate/sweta-yadav>

Coursera will continue the identity of this institution and may not be responsible for the content of this certificate.

KAIST

May 22, 2020

Sweta Yadav

has successfully completed

Biochemical Principles of Energy Metabolism

an online non-credit course authorized by Korea Advanced Institute of Science and Technology(KAIST) and offered through Coursera



Associate Professor Seyun Kim, Ph.D
Department of Biological Sciences
Korea Advanced Institute of Science and Technology



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/9V42H6XXW9VE>

Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MINNESOTA
Driven to Discover™

COURSE
CERTIFICATE

Garvita Sharma

has successfully completed

Herbal Medicine

an online non-credit course authorized by University of Minnesota and offered through Coursera



Amy Taylor

has successfully completed

Herbal Medicine

an online non-credit course authorized by University of Minnesota and offered through Coursera

Faculty at Coursera.org verify the authenticity of this certificate and Coursera has no control over the ability to use this certificate and the participation in the course

Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

Scanned with CamScanner

Imperial College
London

06/14/2020

Garvita Sharma

has successfully completed

**Health Systems Development: A Focus on Health
Service Delivery and Human Resources for Health**

an online non-credit course authorized by Imperial College London and offered through
Coursera



Garvita Sharma
Student ID: 123456789
Imperial College London

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/NB6LRECTM4J9
Coursera has confirmed the identity of this individual, and
their participation in the course.



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

IIP, Indore

RAU, OPP. IIM Indore

List of faculty members using ICT enabled tool (Year 2020-21)

Sl. No.	Faculty Name	Sl. No.	Faculty name	Sl. No.	Faculty name
1	Dr. Dinesh Kumar Mishra	14	Ms. Neha Singh	26	Ms. Rupali Sontakke
2	Dr. Pankaj Dixit	15	Ms. Priyanka Rathore	27	Ms. Amrita Rawal
3	Dr. Gurmeet Singh Chhabra	16	Mr. Yatesh Sharad Yadav	28	Ms. Aakansha Birla
4	Dr. Pritesh Paliwal	17	Dr. Priya Jain	29	Ms. Deepika Bhawsar
5	Dr. Nadeem Farooqui	18	Mr. Sandip Patil	30	Mr. Jitendra Patil
6	Mr. Darshan Jamindar	19	Ms. Pragya Parimita	31	Ms. Komal Mahajan
7	Mr. Gaurav Sarsodia	20	Mr. Gaurav Agrawal	32	Ms. Himani Jaisinghani
8	Mr. Rohit Sahu	21	Ms. Priya Mahajan	33	Mr. Neeraj Kumar Lodhi
9	Mr. Ritesh Patel	22	Mr. Rahul Thakur	34	Mr. Rubendra Kurmi
10	Mr. Kuldeep Vinchurkar	23	Ms. Shradha Dixit	35	Ms. Shivangi Shukla
11	Ms. Nayany Sharma Sakalle	24	Ms Chetna Tiwari	36	Ms. Sheetal Namboodiri
12	Ms. Neha Kamalpuria	25	Mr. Gajendra Rajput	37	Ms. Monika Solanki
13	Dr. Rekha Bisht				

Principal

Indore Institute of
INDORE (M

21

6/18/21

2.3.2 Average percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), e-learning resources etc. (5)

Number of teachers using ICT (LMS, e-Resources)	Number of teachers on roll	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
34	34	High Speed Internet & Wi-fi Facility, Computer with multimedia, DelNet, Web Camera, Sound System, Display Screens, QbD, Chemdraw, ExPharm, Virtual Lab, autodoc	7 of 7	0	<p>You tube Learning videos, Google aided websites, Quizes, Flipped Classroom videos and PDF, Webpages with study database, Presentations in e-library database, PDFs in e-library database</p> <p>Input Tools: Video Camera, PC, e-Library Output Tools: Projector, Display screen, software-statistics, Expharm, ChemDraw, Microsoft tools</p>



Principal
Indore Institute of Pharmacy;
INDORE (M.P.)





National Institutes of Health
Office of Dietary Supplements

Strengthening Knowledge and Understanding of Dietary Supplements

Find ODS on:

Search

Health Information

News & Events

Programs & Activities

Grants & Funding

About ODS

About ODS

Share:

Home > About ODS > Mission, Origin, and Mandate > DSHEA Wording

Notice: Historical Content

This is an archival or historical document and may not reflect current data.

Dietary Supplement Health and Education Act of 1994 Public Law 103-417 103rd Congress

An Act

To amend the Federal Food, Drug, and Cosmetic Act to establish standards with respect to dietary supplements and for other

Index of Dietary Supplements
2000-2009



eResources Explore More News

Nayany Sharma

RGPV Consortium eLibrary

Serving You 24x7 | 500,000+ eResources | Everywhere

All Publications + Enter Keywords to Search [Search Icon]

Search Tips

Watch Tutorial

Recent Searches

Pharmacy

Bp103T pharmace...



Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

246



User Manual / Usage Statistics / Know your ILL-Book Status / Your Account / Contact DELNET / Log Out
Your membership will be active for 48 days, needs renewal thereafter. Language: English

Institution: Indore Institute of Pharmacy



Search the DELNET Digital Library Resources

All Fields —Select Format— Find Advanced

You are accessing union catalog of Books, Journals etc

Full-text Digital Library Resources



Knowledge Gainer Portal

New
Access Full Text E-books, E-journals.

WELCOMEN
欢迎 स्वागत
BIENVENUE ようこそ
BIENVENIDA
добро пожаловать

Language Learning Portal

[Signature]
Principal
Indore Institute of Pharmacy,
INDORE (M.P.)

20
Del r