

School of Pharmacy

Minutes of 4th BOS meeting for Bachelor of Pharmacy held on 10/05/2020

The 4th BOS meeting of School of Pharmacy for Bachelor of Pharmacy, was held on 10/05/2020 at 2:00 PM by Online Webinar Conferencing, in view of the COVID pandemic. The following were present-

1. Prof. A. Balasubramaniam- Chairman
2. Prof. Subodh Dubey- Senior Member
3. Mrs. Rituparna Roy- Member
4. Mr. Anurag Agrawal- Member
5. Mr. Nem Kumar Jain- Member
6. Mr. Shivam Tayal- Member
7. Mr. Manoj Kushwaha- Member
8. Mr. Hero Khan - Member
9. Ms. Priyanka Kesari
10. Prof. Suman Jain, Professor and Head Department of Pharmacy - External expert.

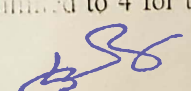
Prof. Suman Jain Professor and Head Department of Pharmacy - External expert and the Chairman welcomed all the members, and briefed about various agenda items which were to be discussed.

Agenda 1. "To discuss about undoing of minor changes/ reshuffling in PCI syllabus, that was incorporated in the last BoS meeting".

Matter was discussed and debated and it was unanimously decided to adopt syllabus proposed by Pharmacy Council of India as notified in latest gazette in total, while maintaining the decisions of the 3rd BoS on the internal and external assessment component, based on progressive evaluation (PE), weightage for project-based learning (PBL), weightage for regularity, sincerity and viva in practical classes. Marks distribution of 60% weightage for external and 40% weightage for internal assessment/ evaluation, and securing at least 50% marks cumulative to pass both in external as well as internal assessment.

Agenda 2. "To discuss inclusion of a non-University exam, credit course of Fine Arts and Humanities"

Matter was discussed at length, keeping in view of the all-round development of the students, an attempt is to be made to develop the sensitive faculty of the students with abundance of enthusiasm and energy. Thus, attempting to establish Emotional Quotient (EQ) in each student. It was therefore decided to include a Non-University Exam- credit Course of Fine Arts/Humanities, of the choice of students of First year and Second year only. With Credits limited to 4 for two years.


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"CELEBRATING DREAMS"

Agenda 3. "To discuss inclusion of a non-University exam credit course of Online Courses related to the field of Pharmacy"

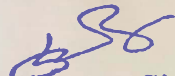
The pandemic has forced us to rethink on modalities and options available to expose our students to a wide range of educational materials related to Pharmacy, available online on various platforms as Coursera, MOOCs (Massive Online Open Courses), Swayam, Udemy, e- Pathshala, Harvard Online Courses, In-House courses, etc. It was therefore decided that the students of III year and Final Year will have to take online courses related to Pharmacy, Medical Sciences and Health industries limited to 4 credits for two years, and submit Certificate as proof

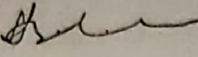
❖ Syllabus of Following new courses and approved courses are attached in annexure I

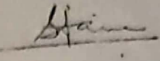
BPharm	BP-113T	Fine art and Music-I
BPharm	BP211T	Fine art and Music II
BPharm	BP309T	Fine art and Music III/online certification course
BPharm	BP410T	Fine art and Music IV/ online certification course (410T)
BPharm	BP509T	Online certified courses related to Pharmacy I
BPharm	BP610T	Online certified courses related to Pharmacy II
BPharm	BP707T	Online certified courses related to Pharmacy III
BPharm	BP814T	Online certified courses related to Pharmacy IV

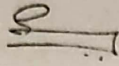
Agenda 4. "Any other item with the permission of chair"

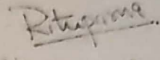
As none were discussed, the meeting ended with a vote of thanks to the invited expert and the members present

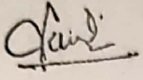

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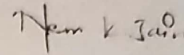

Prof. A. Balasubramanian- Chairman

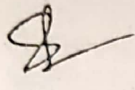

Prof. Suman Jain - External expert

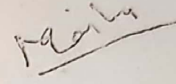

Prof. Subodh Dubey- Senior Member

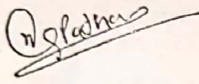

Mrs. Rituparna Roy- Member

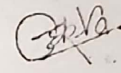

Mr. Anurag Agrawal- Member



Mr. Nain Kumar Jain- Member



Mr Shivam Tayal- Member


Mr. Manoj Kushwaha- Member


Mr. Hero Khan – Member


Mrs Ekta Khare- Member


Ms Priyanka Kesari


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Minutes of 2nd BOS for Diploma in Pharmacy meeting held on 10/05/2020

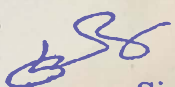
The 2nd BOS meeting of School of Pharmacy for Diploma in Pharmacy was held on 10/05/2020 at 2:30 PM by Online Webinar Conferencing, in view of the COVID pandemic. The following were present-

1. Prof. A. Balasubramaniam- Chairman
2. Prof. Subodh Dubey- Senior Member
3. Mrs. Rituparna Roy- Member
4. Mr. Anurag Agrawal- Member
5. Mr. Nem Kumar Jain- Member
6. Mr. Shivam Tayal- Member
7. Mr. Manoj Kushwah- Member
8. Mr. Hero Khan – Member
9. Ms. Priyanka Kesari
10. Prof. Suman Jain, Professor and Head Department of Pharmacy - External expert

Prof. Suman Jain Professor and Head Department of Pharmacy - External expert and the Chairman welcomed all the members, and briefed about various agenda items which were to be discussed.

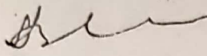
Agenda 1. "To discuss the acceptance of large Medical Stores as centers for 500 hours training in lieu of Pharmacies at Government Hospitals, when not available".

Matter was discussed and debated and it was unanimously decided to accept 500 hours or three months of training in Government Hospitals, large medical stores or Private Hospitals of good repute.

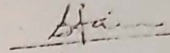

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Agenda 2. "Any other item with the permission of chair"

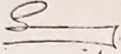
As none were discussed, the meeting ended with a vote of thanks to the invited expert and the members present.



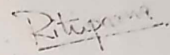
Prof. A. Balasubramaniam- Chairman



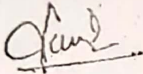
Prof. Suman Jain - External expert



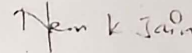
Prof. Subodh Dubey- Senior Member



Mrs. Rituparna Roy- Member



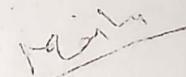
Mr. Anurag Agrawal- Member



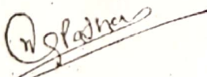
Mr. Nem Kumar Jain- Member



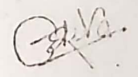
Mr Shivam Tayal- Member



Mr. Manoj Kushwah- Member



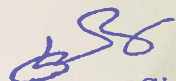
Mr. Hero Khan – Member



Mrs Ekta Khare- Member



Ms Priyanka Kesari



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Minutes of 2nd BOS meeting for Master of Pharmacy held on 10/05/2020

The 2nd BOS meeting of School of Pharmacy for Master of Pharmacy, was held on 10/05/2020 at 3:00 PM by Online Webinar Conferencing, in view of the COVID pandemic. The following were present-

1. Prof. A. Balasubramaniam- Chairman
2. Prof. Subodh Dubey- Senior Member
3. Mrs. Rituparna Roy- Member
4. Mr. Anurag Agrawal- Member
5. Mr. Nem Kumar Jain- Member
6. Mr. Shivam Tayal- Member
7. Mr. Manoj Kushwah- Member
8. Mr. Hero Khan – Member
9. Ms. Priyanka Kesari
10. Prof. Suman Jain, Professor and Head Department of Pharmacy - External expert


Prof. Suman Jain Professor and Head Department of Pharmacy - External expert and the Chairman welcomed all the members, and briefed about various agenda items which were to be discussed.

Agenda 1. "To discuss inclusion of a non-University exam credit course of Online Courses related to the field of Pharmacy"

The pandemic has forced us to rethink on modalities and options available to expose our students to a wide range of educational materials related to Pharmacy, available online on various platforms as Coursera, MOOCs (Massive Online Open Courses), Swayam, Udemy, e- Pathshala, Harvard Online Courses, In-House courses, etc. It was therefore decided that the students of I Semester and II Semester will have to take online courses related to his proposed research in Pharmacy, Medical Sciences and Health industries limited to 4 credits in the first year, and submit Certificate as proof

❖ **Syllabus of Following new courses and approved courses are attached in annexure I**

M.Pharm	MPH 107T	Online Certificate Course
M.Pharm	MPH 207T	Online Certificate Course

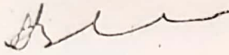

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Agenda 2. "To discuss inclusion of a non-University exam, credit offered for a Scientific Publication related to his field, in a reputed journal"

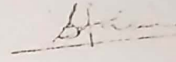
Matter was discussed at length, to make at least one quality research publication as a compulsory credit-based component, keeping in view of promoting quality research that could be shared with the scientific community. Therefore, each student would have to have a research publication in a reputed journal as a mandatory condition for the award of Degree, which would be awarded 4 credits in the final year.

Agenda 3. "Any other item with the permission of chair"

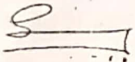
It was suggested by Prof Suman Jain the External Subject expert to get in to a Memorandum of Understanding with Jiwaji University for the utilization of Sophisticated Instruments at Jiwaji University, free of cost to our faculty and research students.



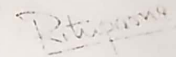
Prof. A. Balasubramaniam- Chairman



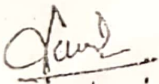
Prof. Suman Jain - External expert



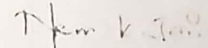
Prof. Subodh Dubey- Senior Member



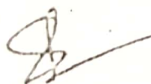
Mrs. Rituparna Roy- Member



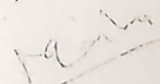
Mr. Anurag Agrawal- Member



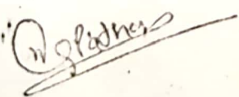
Mr. Nem Kumar Jain- Member



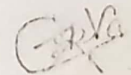
Mr Shivam Tayal- Member



Mr. Manoj Kushwaha- Member



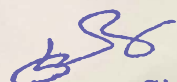
Mr. Hero Khan – Member



Mrs Ekta Khare- Member



Ms Priyanka Kesari


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Syllabus-2020-2021

(SOP)(BPharm)

Title of the Course Fine art and Music-I *

Course Code BP-113(T)

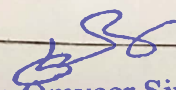
Part A

Year	Semester	Credits	L	T	P	C
			1	0	0	1
Course Type	Theory only					
Course Category	Generic Elective					
Pre-Requisite/s			Co-Requisite/s			
Course Outcomes & Bloom's Level	CO1- Drawing exercises are to learn accurate observation and skills of graphic presentation in free hand drawing exercises from objects and nature to study proportion, volume and visual perspective, suggestion of solidity by line, mass, value and texture; emphasis on variety of visual experiences(BL3-Apply)					
Courses Elements	Skill Development ✓ Entrepreneurship ✓ Employability ✓ Professional Ethics ✗ Gender ✗ Human Values ✗ Environment ✓	SDG (Goals)	SDG8(Decent work and economic growth) SDG17(Partnerships for the goals)			

Part B


Modules	Contents	Pedagogy	Hours
)Study of proportion, line, colour, form, tone, texture and graphic representation	Lecture based learning	10
	Nature Drawing: study of various natural forms.	class out of classroom	08
	Drawing from various man-made objects.	class out of classroom	07
	d)Drawing from memory- to develop the sense of observation and the capacity to retain and recall images and their co-ordination.	active learning	05

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Part C		Indicative ABCA/PBL Experiments/Field work/ Internships
Modules	Title	
Nature drawings: 1 Drawing from man-made object: 1 Drawing from Memory-1 Free-hand sketching: 5	No. of assignments: 2	PBL

of the Course
Course Code

Part D (Marks Distribution)

Theory					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Eva
Practical					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Eva
0	0	0	0	0	0

Part E

Books	Color and Light: A Guide for the Realist Painter (Volume 2) (James Gurney Art)
Articles	https://shepherd.com/best-books/art-references-for-drawing-the-human-figure
References Books	Let's Draw! Illustrating With Copic Book by Ran; KAOPPE; Kirishima Mutsuki (she as drawing-reference)
MOOC Courses	https://www.nifafinearts.com/course.php?id=29
Videos	https://www.youtube.com/results?search_query=drawing

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSC
CO1	1	-	1	-	-	-	-	-	-	-	2		-	-	-
CO2	-	-	-	-	-	-	-	-	-	-	-	-3	-	-	-
CO3	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
CO4	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
CO5	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Syllabus-2020-2021

(SOP)(BPharm)

Indicative-
 ABCA/PBL/
 Experiments/Field
 work/
 Internships

 BL3-
 Apply

Title of the Course Fine art and Music .il *

Course Code BP211T

Part A

Year	Semester	Credits	L	T	P	C
			1	0	0	1

Course Type Theory only

Course Category Generic Elective

Pre-Requisite/s

Co-Requisite/s

Course Outcomes & Bloom's Level
 CO1- Study of two-dimensional space and its organizational possibilities(BL2-Understand)
 CO2- Study of three-dimensional space and its organizational possibilities(BL2-Understand)

Courses Elements

- Skill Development ✓
- Entrepreneurship ✗
- Employability ✗
- Professional Ethics ✗
- Gender ✗
- Human Values ✗
- Environment ✗

SDG (Goals)

SDG4(Quality education)

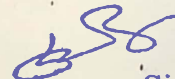
Part B

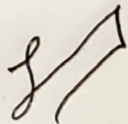
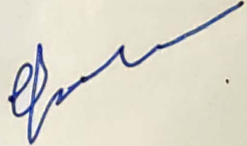
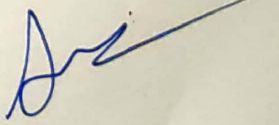
Modules	Contents	Pedagogy	Hours
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Part C

Modules	Title	Indicative-ABCA/PBL/ Experiments/Field work/ Internships	Bloom's Level	Hours
1	2-D Design: 2 3-D Design: 2	Experiments	BL3-Apply	5

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Part D (Marks Distribution)

Theory

Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation
25	13	15	8	10

Practical

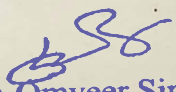
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation
	0			

Part E

Books	1e Design Basics 2d and 3d 3e Pentak Roth, Published by Cengage Learning, 2012 ISBN 10: 1111833923 ISBN 13: 9781111833923
Articles	NA
References Books	Design Basics: 2D and 3D (with CourseMate Printed Access Card) Pentak, Stephen, Roth, Richard, Lauer, David A. ISBN 10: 0495909971 / ISBN 13: 9780495909972
MOOC Courses	https://www.coursera.org/specializations/graphic-design
Videos	https://www.youtube.com/watch?v=cYzbStq5lWs

Course Articulation Matrix

COs.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSC
CO1	2	-	-	-	-	-	-	-	-	2	2	-	-	-	-
CO2	2	-	-	-	-	-	-	-	-	2	2	-	-	-	-
CO3	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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Syllabus-2020-2021

(SOP)(BPharm)

Title of the Course Fine art and Music III/online certification course *

Course Code BP309T

Part A

Year	Semester	Credits	L	T	P	C
			0	0	1	1

Course Type Theory only

Course Category Generic Elective

Pre-Requisite/s **Co-Requisite/s**

Course Outcomes & Bloom's Level
 CO1- Study of two-dimensional space and its organizational possibilities Study of three-dimensional space and its organizational possibilities (BL2-Understand)
 CO2- Study of three-dimensional space and its organizational possibilities(BL2-Understand)

Courses Elements

Skill Development ✓
 Entrepreneurship X
 Employability X
 Professional Ethics X
 Gender X
 Human Values ✓
 Environment X

SDG (Goals)

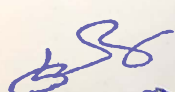
SDG4(Quality education)

Part B

Modules	Contents	Pedagogy	Hours
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Part C

Modules	Title	Indicative-ABCA/PBL/ Experiments/Field work/ Internships	Bloom's Level	Hours
1	2-D Design: 2 3-D Design: 2	PBL	BL2-Understand	4


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Part D(Marks Distribution)

Theory

Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation
25		20	10	5

Practical

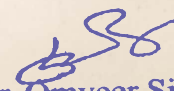
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
	0				

Part E

Books	
Articles	
References. Books	
MOOC Courses	
Videos	

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSC
CO1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO2	-	1	-	-	-	-	-	-	-	-	-	2	-	-	-
CO3	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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Syllabus-2020-2021

(SOP)(BPharm)

Title of the Course Fine art and Music IV/ online certification course *

Course Code BP410T

Part A

Year	Semester	Credits	L	T	P	C
			0	0	1	1

Course Type Theory only

Course Category Generic Elective

Pre-Requisite/s

Co-Requisite/s

Course Outcomes & Bloom's Level
 CO1- To acquire knowledge about the clinical data mangement and its skills(BL2-Understand)
 CO2- To understand about CRF processing, and documentation forms(BL2-Understand)
 CO3- To develop skills to acquire Job oppurtunities(BL3-Apply)

Courses Elements

Skill Development ✓
 Entrèpreneurship X
 Employability ✓
 Professional Ethics X
 Gender X
 Human Values X
 Environment X

SDG (Goals)

SDG3(Good health and well-being)
 SDG4(Quality education)

Part B

Modules	Contents	Pedagogy	Hours
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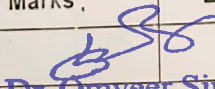
Part D(Marks Distribution)

Theory

Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
25		20	10	5	2

Practical

Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
0					

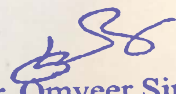

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Part E

Books	
Articles	
References Books	
MOOC Courses	https://www.coursera.org/learn/clinical-data-management
Videos	

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	1	-	1	-	-	-	-	-	-	2	-	1	-	-
CO2	1	1	-	-	-	-	-	-	-	-	2	-	-	-	-
CO3	1	1	-	-	-	-	-	-	-	-	1	-	-	-	1
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



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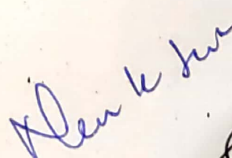
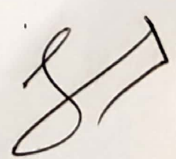

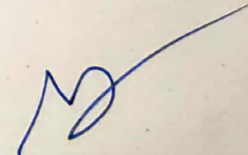


Syllabus-2020-2021

(SOP)(BPharm)

Title of the Course	Online certified courses related to Pharmacy II *							
Course Code	BP610T							
Part A								
Year		Semester		Credits	L	T	P	C
					1	0	0	1
Course Type	Online course							
Course Category	Skill Enhancement Courses							
Pre-Requisite/s				Co-Requisite/s				
Course Outcomes & Bloom's Level	CO1- Explore the clinical trial process, the basics of good clinical practice, and the history of regulatory frameworks for medical treatment and testing. (BL2-Understand)							
Course Elements	Skill Development ✓ Entrepreneurship ✓ Employability ✓ Professional Ethics X Gender X Human Values ✓ Environment X	SDG (Goals)	SDG3(Good health and well-being) SDG4(Quality education)					


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Part B

Modules	Contents	Pedagogy	
1	In Module One you'll learn the basics of what a clinical trial is. You'll hear from investigators, patients, and sponsors about the benefits of clinical trials, and you'll learn about the drug discovery process.	online	
2	In Module Two we'll focus on some important rules and regulations. You'll find out why good clinical practice matters and learn about the history of regulatory frameworks for medical treatment and testing. We'll also explore some clinical trial definitions, look at informed consent, talk about risk, and discuss data integrity.	online	10
3	In Module Three we'll explore how research in clinical trials makes a difference. We'll also walk you through what medical teams and patients must do to become involved. You'll learn about the importance of diversity in clinical trials, inclusion and exclusion criteria, and we'll hear from some patients who'll tell us how they experienced the trial process.	online	10


Part C

Modules	Title	Indicative-ABCA/PBL/ Experiments/Field work/ Internships	Bloom's Level	Hours
1	Foundamental of good clinical practices	Internships	BL2-Understand	10

Part D(Marks Distribution)

Theory					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
25	13	25	13		

Practical					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation

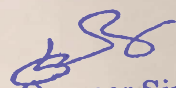

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Part E

Books	World Health Organization. Handbook for good clinical research practice (GCP): guidance for implementation.
Articles	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3097692/
References Books	Guideline IH. Guideline for good clinical practice. J Postgrad Med 2001;47(3):199-203.
MOOC Courses	https://nptel.ac.in/
Videos	kcl tutorial

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSC
CO1	3	2	2	-	1	3	-	-	-	-	3	-	1	2	3
CO2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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Syllabus-2020-2021

(SOP)(BPharm)

Title of the Course	Online certified courses related to Pharmacy III *
Course Code	BP707T

Part A :

Year	Semester	Credits	L	T	P	C
			1	0	0	1
Course Type	Theory only					
Course Category	Discipline Electives					
Pre-Requisite/s				Co-Requisite/s		
Course Outcomes & Bloom's Level	CO1- Student will learn the new skill based course(BL2-Understand)					
Courses Elements	Skill Development ✓ Entrepreneurship X Employability ✓ Professional Ethics X Gender X Human Values X Environment X	SDG (Goals)	SDG3(Good health and well-being) SDG4(Quality education)			

Part B

Modules	Contents	Pedagogy	Hours
1	students may opt the Course offered by different platforms	Blended learning	

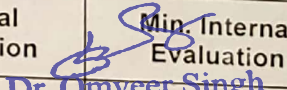
Part D(Marks Distribution)

Theory

Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
25	13	25	13	0	0

Practical

Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation



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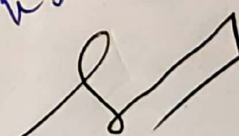
Part E

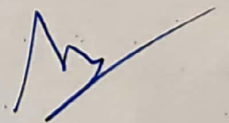
Books	
Articles	
References Books	
MOOC Courses	https://nptel.ac.in/
Videos	You tube

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSC
CO1	3	2	2	1	-	-	-	-	-	-	3	-	1	2	3
CO2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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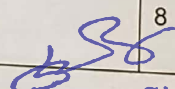
Syllabus-2020-2021

(SOP)(BPharm)

Title of the Course	Online certified courses related to Pharmacy IV *
Course Code	BP814T

Part A								
Year	Semester	Credits	L	T	P	C		
			1	0	0	1		
Course Type	Theory only							
Course Category	Discipline Specific Elective							
Pre-Requisite/s								
Course Outcomes & Bloom's Level	CO1- Learn new concepts from industry experts(BL2-Understand) CO2- To apply the pharma skill in academic and industry level (BL3-Apply) CO3- Gain a foundational understanding of a subject or tool Develop job-relevant skills with hands-on projects(BL3-Apply)		Co-Requisite/s					
Courses Elements	Skill Development ✓ Entrepreneurship X Employability ✓ Professional Ethics X Gender X Human Values X Environment X	SDG (Goals)	SDG3(Good health and well-being) SDG4(Quality education) SDG9(Industry Innovation and Infrastructure)					

Part B			
Modules	Contents	Pedagogy	Hours
1	Pharmacoeconomics in Drug Development, Intellectual Property Strategy & BioSimilarars	Blended learning	8
2	Marketing Pharmaceuticals & Biotechnology Drugs, Managed Markets and Sales Strategy	Blended learning	8
3	Strategic Alliances in Academia, Pharma and Biotech, Business Models and Portfolio Management	Blended learning	8
4	Academic Industry partnership "Various models, Various outcomes, From Start up to Success in Biotech	Blended learning	8


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Part D (Marks Distribution)

Theory

Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
20	25	20	0	0

Practical

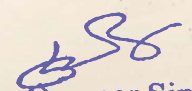
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
0	0	0	0	0	0

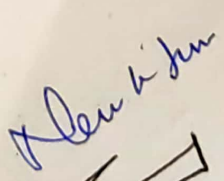

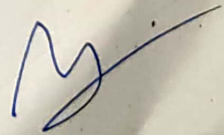
Part E

Books	
Articles	
References Books	
MOOC Courses	https://www.coursera.org/learn/drug-commercialization/#about
Videos	https://www.coursera.org/learn/drug-commercialization/#about

Course Articulation Matrix

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSC
CO1	3	2	1	-	-	-	-	-	-	-	3	-	1	2	2
CO2	2	2	2	-	2	-	-	-	-	-	-	-	1	1	1
CO3	1	2	1	-	-	-	-	-	-	-	-	-	-	1	1
CO4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CO6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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Syllabus-2020-2021
(SOP)(MPharm-PharmaCeutics)

Title of the Course		Online Certificate Course				
Course Code		MPH 107T				
Part A						
Year	Semester	Credits	L	T	P	C
			1	0	0	1
Course Type		Online course				
Course Category		Skill Enhancement Courses		Co-Requisite/s		
Pre-Requisite/s		ELECTIVES				
Course Outcomes & Bloom's Level		CO1- TO INCREASE CREATIVE AND TECHNICAL SKILLS(BL4-Analyze)				
Cours Elements		Skill Development ✓ Entrepreneurship X Employability ✓ Professional Ethics X Gender X Human Values X Environment X	SDG (Goals)	SDG4(Quality education)		

Part B			
Modules	Contents	Pedagogy	Hours
NIT	REGULATORY AFFAIRS	ONLINE COURSES	10

Part D(Marks Distribution)

Theory					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
0	25	25	12	25	13
Practical					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
0					

Part E

Books	NA
Articles	NA
References Books	NA
MOOC Courses	1. https://www.coursera.org/courses?query=regulatory%20affairs 2. https://www.igmpi.ac.in/RAprograms.html
Videos	NA


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Course Articulation Matrix

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
01	3	1	1	-	-	-	-	3	-	-	3	-	3	1	2
02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


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Syllabus-2020-2021
(SOP)(MPharm-PharmaCeutics)

Title of the Course	Online Certificate Course
Course Code	MPH 207T

Part A			
Year	Semester	Credits	
			L T P C
			2 0 0 2

Course Type	Online course
Course Category	Skill Enhancement Courses
Pre-Requisite/s	Pharmaceutical background
Co-Requisite/s	
Course Outcomes & Bloom's Level	CO1- Why QbD, what is QbD? FDA objectives, the QbD approach() CO2- QbD and continuous processing: FDA perspective, advantages, challenges() CO3- Determining CPPs and CMAs, CQA, QTPP, RISK ASSESSMENT()

Course Elements	Skill Development ✓ Entrepreneurship X Employability ✓ Professional Ethics X Gender X Human Values X Environment X	SDG (Goals)	SDG3(Good health and well-being) SDG4(Quality education) SDG9(Industry Innovation and Infrastructure)
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Part B			
Modules	Contents	Pedagogy	Hours
NIT-I	As per recommended Course provider	PEER TUTORIAL	60

Part D(Marks Distribution)					
Theory					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
0	25	35	18	15	8
Practical					
Total Marks	Minimum Passing Marks	External Evaluation	Min. External Evaluation	Internal Evaluation	Min. Internal Evaluation
0					

Part E	
Books	NA
Articles	NA
References Books	NA
MOOC Courses	1. https://ispe.org/training/course/qbd 2. https://www.udemy.com/course/quality-by-design-qbd-in-pharmaceutical-development/?=&utm_source=adwords&utm_medium=udemyads&utm_campaign=LongTail_la.EN_cc.INDIA&utm_content=deal4584&utm_term=..._ag_11844501212271230479..._li_1007795..._pd...&matchtype=&gad_source=1&gclid=Cj0KCCQjwztOwBhD7ARIsAPDKnkBXWZvoPEBACFjanUEyfigFRV8 3. https://www.6sigma.us/quality-by-design/
Videos	NA

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