



Koneru Lakshmaiah Education Foundation
(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 9001:2015 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.
Phone No. 08645 - 350200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

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KL College of Pharmacy

14th BOS Meeting Minutes

14th BOS meeting of KL College of Pharmacy was held on 30-06-2023 at Principal chamber R-309B from 02:30 PM onwards.

WELCOMED ALL THE MEMBERS

At the beginning of the meeting, the Chairman of the BOS welcomed all the members and briefly discussed about the progress of the College of pharmacy.

Following members are present

1. Dr. G. Chakravarthi, BoS Chairman
2. Dr. A. Prameela Rani, External Member
3. Dr. Naresh Anaparthi, External Member
4. Dr. Hasitha Shilpa Anantharaju, External Member
5. Dr. N. V. K. Ramesh, Member
6. Dr. Buchi N Nalluri, Member
7. Dr. Sivadasu Praveen, BoS Secretary
8. Dr. Pasupula Rajeswari, Member
9. Dr. A. Ankarao, Member
10. Dr. M. Manikanta, Member
11. Dr. M. Narender, Member
12. Dr. M. Kasi Viswanadh, Member
13. Dr. J. Risya. Namratha, Member
14. Dr. D. Naresh, Member
15. Dr. B. Nagaraju, Member
16. Dr. R. Supriya, Member

G. Chakravarthi
30/6/23

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Guntur District, Andhra Pradesh.

AGENDA and RESOLUTIONS

AGENDA ITEM-1

To consider and approve the resolutions made by 13 th BOS conducted on 25 th March 2023	Approved and Recommended to Academic Council
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Discussion: The minutes of 13th BOS meeting conducted on 25th March 2023 were circulated among the BOS members and all BOS members reviewed the 13th BOS minutes.

Resolution: It was resolved to approve the 13th BOS meeting minutes conducted on 25th March 2023. **(Annexure: I)**

AGENDA ITEM-2

To consider and approve the resolutions made by 14 th DAC conducted on 29 th June 2023	Approved and Recommended to Academic Council
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Discussion: The minutes of 14th DAC meeting conducted on 29th June 2023 were circulated among the BOS members and all BOS members reviewed the DAC minutes.

Resolution: All the members reviewed the DAC minutes conducted on 29th June 2023 and all the members approved the minutes of 14th DAC meeting **(Annexure: II)**

AGENDA ITEM-3

Structure and Syllabus for the A.Y. 2023-24 as per the PCI norms.	Approved and Recommended to Academic Council
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Discussion: As PCI framed syllabus should be followed for B. Pharm, M. Pharm and Pharm. D programmes, all the members reviewed the structures and syllabus followed for the AY 2023-24.

Resolution: All the members reviewed the Y23 structure and unanimously agreed to the syllabus which was followed without deviating from the PCI norms. **(Annexure: III)**

G. Chappela
30/6/23

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Guntur District, Andhra Pradesh.

AGENDA ITEM-4

To include Value Added Courses in to the curriculum	Approved and Recommended to Academic Council
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Discussion:

By adding courses like Clinical Data Management, SAS and Pharmacovigilance as certificate courses, students will gain skills pertaining to those areas which in turn increases the employability options for the students.

Resolution: Value added courses like Clinical Data Management, Statistical Analytical systems and Regulatory affairs are identified and all the members are agreed to include the above in the Y23 structure. (without deviating the PCI norms) **(Annexure: IV)**

AGENDA ITEM-5

To consider the feedback received from various stakeholders	Approved and Recommended to Academic Council
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Resolution: Following is the feedback given by stakeholders on curriculum

- ❖ Dr P Sobitha Rani, Assoc Professor at Bhaskar College of Pharmacy, Hyderabad has given the feedback to add Pharmaceutical Regulatory Affairs subject or course in the curriculum. Upon discussion it was observed that course is already included in the curriculum as elective course as per the student interest they can enrol as a elective course.
- ❖ Dr. Rajesh Kumar Chawla working as AGM at Suven Pharmaceuticals Limited has given the feedback to add Pharmaceutical Regulatory Affairs subject or course in the curriculum. Upon discussion it was observed that course is already included in the curriculum as elective course as per the student interest they can enrol as a elective course.
- ❖ Evanson Gicharu working as Pharmacist at Evamer Pharmaceuticals has given the feedback to Introduction of entrepreneurship as a unit. Upon discussion it was observed that course is already included in the curriculum as DTI where student can learn about entrepreneurship.
- ❖ Dr M Narendra working as Asst Professor at KL College of Pharmacy, KLEF has given the feedback to provide enough time and feasibility are required



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for getting certification courses. Upon discussion it was recommended to set the timetable in a way that students can concentrate on certification courses in a feasible manner.

- ❖ Thota. Asmitha bearing Id No. 21015700 24 has given the feedback to conduct student exchange programme in premier institute. Upon discussion it was recommended to send 2 faculties and 15 students per each batch for a period of one month. **(Annexure: V)**

AGENDA ITEM-6

Review of the Y22 Structures and syllabus	Approved and Recommended to Academic Council
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Discussion: As PCI framed syllabus should be followed for B. Pharm, M. Pharm and Pharm. D programmes, all the members reviewed the structures and syllabus followed for the AY 2022-23.

Resolution: All the members reviewed the Y22 structure and unanimously agreed to the syllabus which was followed without deviating from the PCI norms.

(Annexure: VI)

AGENDA ITEM-7

To consider and approve the Program development documents of B. Pharmacy, M. Pharmacy and Pharm. D for 2023 admitted batch.	Approved and Recommended to Academic Council
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Discussion: Program development document of B. Pharmacy, M. Pharmacy and Pharm. D for AY 2023-24 were circulated among members and the members verified the document and ensured that the course structure developed is not deviating from the structure suggested by PCI.

Resolution: All the members reviewed all the PDD Y23 documents including the thrust areas and approved it.

G. Chandra
30/6/23
PRINCIPAL

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AGENDA ITEM-8

To focus on Entrepreneurship courses	Approved and Recommended to Academic Council
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Discussion: By adding the above-mentioned courses into the curriculum, job opportunities for the students will be increased. Further, courses coming under entrepreneurship will enable the students to start their own enterprises.

Resolution: All members reviewed and identified the Entrepreneurship from the curriculum (without deviating the PCI norms). **(Annexure: III)**

AGENDA ITEM-9

To include the evaluation plans	Approved and Recommended to Academic Council
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Discussion: Evaluation plans for all the programmes i.e. B. Pharm, M. Pharm and Pharm. D should contain all the components suggested by PCI.

Resolution: All the members reviewed the evaluation plans and unanimously agreed the same evaluation plan for all the courses in the curriculum. **(Annexure: VII)**

AGENDA ITEM-10

To discuss Result analysis, OBE and GAP analysis of the courses offered in Odd Sem of A.Y. 2022-23	Approved and Recommended to Academic Council
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Discussion: Discussion was done regarding OBE and GAP analysis of subjects like Industrial Pharmacy II, Novel drug delivery systems and Industrial Pharmacy I and the results were found to be satisfactory.

Resolution: All the members found the OBE attainment levels for Odd Sem of A.Y. 2022-23 to be satisfactory and approved the same. **(Annexure: VIII)**

AGENDA ITEM-11

To conduct student exchange programmes for students at premium institutes	Approved and Recommended to Academic Council
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Discussion: By providing student exchange programmes students will gain more insights regarding research and innovation.

G. Chalapathi
30/6/23
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Resolution: All the members agreed to send 2 faculties and 15 students per each batch for a period of one month.

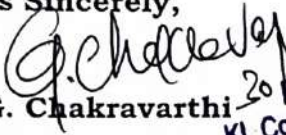
AGENDA ITEM-12

To apply for NABL accreditation under the scope of testing for pharmaceutical products	Approved and Recommended to Academic Council
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Discussion: By applying for the NABL accreditation department standards will be enhanced.

Resolution: All the members agreed to initiate the NABL accreditation process for the scope of testing the pharmaceutical products for the A.Y. 2023-24.

Yours Sincerely,



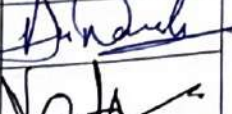
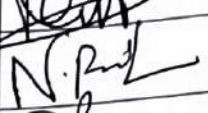
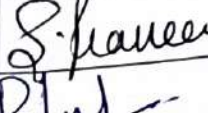


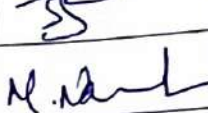
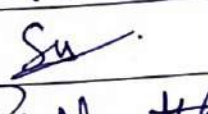
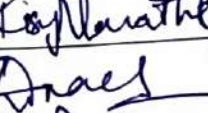


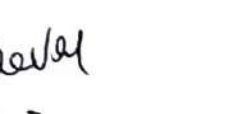




Dr. G. Chakravarthi 20/12/23
BOS Chairman
K L College of Pharmacy
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Guntur District, Andhra Pradesh.

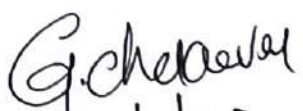
Photographs of 14th BOS meeting



G. Chandra
20/6/23
PRINCIPAL
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Guntur District, Andhra Pradesh.

The following members have attended the 14th BOS meeting held on 30-06-2023 at from 02:30 pm onwards, Venue: Principal Chamber, K L College of Pharmacy

S.NO	Full Name	Designation	Organization	Position of the meeting	Signature
1.	Dr. G. Chakravarthi.	Professor & Principal	K L College of Pharmacy, KLEF	Chairman	
2.	Dr. A. Prameela Rani,	Professor & Principal,	College of Pharmaceutical Sciences, ANU, Guntur	External member	
3.	Dr. Naresh Anaparthi	Group Manager	Hetero Labs, Hyderabad	External member	
4.	Dr. N. V. K. Ramesh	Assoc. Dean	KLEF	Member	
5.	Dr N Bucchi Naidu	Professor	K L College of Pharmacy, KLEF	Member	
6.	Dr. Sivadasu Praveen	Asst. Professor	K L College of Pharmacy, KLEF	BoS Secretary	
7.	Dr. Pasupula Rajeswari	Assoc. Professor	K L College of Pharmacy, KLEF	Member	
8.	Dr. A. Ankarao	Assoc. Professor	K L College of Pharmacy, KLEF	Member	
9.	Dr. M. Manikanta	Assoc. Professor	K L College of Pharmacy, KLEF	Member	
10.	Dr. M. Kasi Vishwanath	Assoc. Professor	K L College of Pharmacy, KLEF	Member	
11.	Dr. M. Narender	Asst. Professor	K L College of Pharmacy, KLEF	Member	
12.	Dr K Sukeerthi	Asst. Professor	K L College of Pharmacy, KLEF	Member	
13.	Dr. J. Risy Namratha	Asst. Professor	K L College of Pharmacy, KLEF	Member	
14.	Dr D Naresh	Asst. Professor	K L College of Pharmacy, KLEF	Member	
15.	Dr. B. Nagaraju	Asst. Professor	K L College of Pharmacy, KLEF	Member	
16.	Dr. R. Supriya	Asst. Professor	K L College of Pharmacy, KLEF	Member	


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Annexure I

Minutes of 13th BOS Meeting conducted on 25th March 2023

AGENDA and RESOLUTIONS

AGENDA ITEM-1

Structure and Syllabus for the A.Y. 2023-24 as per PCI norms	Approved and recommended for Academic Council
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Resolution: It was resolved to include the Y23 structure and syllabus as per the PCI norms. All the members agreed to incorporate the Y23 structure and syllabus as per the PCI norms for the A.Y. 2023-24.

AGENDA ITEM-2

To include Value Added Courses in to the curriculum	Approved and recommended for Academic Council
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Resolution: Value added courses like Clinical Data Management, Statistical Analytical systems and Regulatory affairs are identified and all the members are agreed to include the above in the Y23 structure. (without deviating the PCI norms)

AGENDA ITEM-3

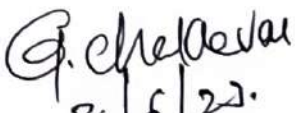
Review of Y-22 Course structure and Syllabus	Approved and recommended for Academic Council
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Resolution: All the members reviewed the Y22 structure and unanimously agreed the structure with the syllabus without deviating from the PCI norms.

AGENDA ITEM-4

To include a new AI related course as Open Elective to the students for their career enrichment	Approved and recommended for Academic Council
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Resolution: All the members agreed to add a new AI related course as an Open elective without deviating from the PCI norms


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AGENDA ITEM-5

To include the evaluation plans	Approved and recommended for Academic Council
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Resolution: All the members reviewed the evaluation plans and unanimously agreed the same evaluation plan for all the courses in the curriculum.

AGENDA ITEM-6

To conduct student exchange programmes for students at premium institutes	Approved and recommended for Academic Council
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Resolution: All the members agreed to send 2 faculties and 15 students per each batch for a period of one month

AGENDA ITEM-7

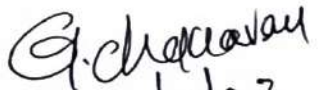
ATR on feedback comments received from various stakeholders	Approved and recommended for Academic Council
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Resolution: It was decided to implement the comments received from various stakeholders on the curriculum

AGENDA ITEM-8

To apply for NABL accreditation under the scope of testing for pharmaceutical products	Approved and recommended for Academic Council
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Resolution: All the members agreed to initiate the NABL accreditation process for the scope of testing the pharmaceutical products for the A.Y. 2023-24


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Annexure II

Minutes of the 14th DAC meeting, KL College of pharmacy held on 29-06-2023 at Room 309 B, from 02:30pm onwards

AGENDA ITEM-1

<ul style="list-style-type: none">❖ Structure and Syllabus for the A.Y. 2023-24 as per PCI norms❖ Resolution: It was resolved to include the Y23 structure and syllabus as per the PCI norms. All the members agreed to incorporate the Y23 structure and syllabus as per the PCI norms for the A.Y. 2023-24.	Approved
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AGENDA ITEM-2;

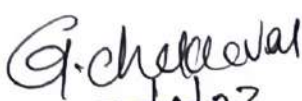
<ul style="list-style-type: none">❖ To include Value Added Courses in to the curriculum❖ Resolution: Value added courses like Clinical Data Management, Statistical Analytical systems and Regulatory affairs are identified and all the members are agreed to include the above in the Y23 structure. (Without deviating the PCI norms)	Approved
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AGENDA ITEM-3

<ul style="list-style-type: none">❖ Review of Y-22 Course structure and Syllabus❖ Resolution: All the members reviewed the Y22 structure and unanimously agreed the structure with the syllabus without deviating from the PCI norms.	Approved
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AGENDA ITEM-4

<ul style="list-style-type: none">❖ To include the evaluation plans❖ Resolution: All the members reviewed the evaluation plans and unanimously agreed the same evaluation plan for all the courses in the curriculum.	Approved
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AGENDA ITEM-5

<ul style="list-style-type: none">❖ To conduct student exchange programmes for students at premium institutes❖ Resolution: All the members agreed to send 2 faculties and 15 students per each batch for a period of one month	Approved
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AGENDA ITEM-6

<ul style="list-style-type: none">❖ ATR on feedback comments received from various stakeholders <p>Resolution: Following is the feedback given by stakeholders on curriculum</p> <ul style="list-style-type: none">❖ Dr P Sobitha Rani, Assoc Professor at Bhaskar College of Pharmacy, Hyderabad has given the feedback to add Pharmaceutical Regulatory Affairs subject or course in the curriculum. Upon discussion it was observed that course is already included in the curriculum as elective course as per the student interest they can enrol as a elective course.❖ Dr. Rajesh Kumar Chawla working as AGM at Suven Pharmaceuticals Limited has given the feedback to add Pharmaceutical Regulatory Affairs subject or course in the curriculum. Upon discussion it was observed that course is already included in the curriculum as elective course as per the student interest they can enrol as a elective course.❖ Evanson Gicharu working as Pharmacist at Evamer Pharmaceuticals has given the feedback to Introduction of entrepreneurship as a unit. Upon discussion it was observed that course is already included in the curriculum as DTI where student can learn about entrepreneurship.	Approved
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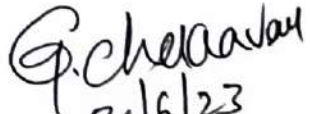
<p>❖ Dr M Narender working as Asst Professor at KL College of Pharmacy, KLEF has given the feedback to provide enough time and feasibility are required for getting certification courses. Upon discussion it was recommended to set the timetable in a way that students can concentrate on certification courses in a feasible manner.</p> <p>Thota. Asmitha bearing Id No. 21015700 24 has given the feedback to conduct student exchange programme in premier institute. Upon discussion it was recommended to send 2 faculties and 15 students per each batch for a period of one month.</p>	
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AGENDA ITEM-7

<p>❖ To apply for NABL accreditation under the scope of testing for pharmaceutical products</p> <p>❖ Resolution: All the members agreed to initiate the NABL accreditation process for the scope of testing the pharmaceutical products for the A.Y. 2023-24</p>	Approved
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AGENDA ITEM-8

<p>❖ To collect and analyze the feedback received from various stakeholders for the A.Y 2023-24.</p> <p>❖ Resolution: Upon discussion all the members have reviewed the feedback given by the various stakeholders for the A.Y. 2023-24 and found it to be satisfactory.</p>	Approved
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Annexure III

B. Pharm Y23 Program Structure Focused on Employability/Entrepreneurship/Skill Development


SNO	COURSE CODE	COURSE NAME	Course Category	L	T	P	S	CR	Pre-requisite	New Course/Revised Course/Retained Course	Changes Proposed by	EES
1	23UC1101	Integrated Professional English	HSS	0	0	4	0	2	NIL	Retained	-	Skilling
2	23UC1202	English Proficiency	HSS	0	0	4	0	2	NIL	Retained	-	Skilling
3	23UC1203	Design Thinking and Innovation	HSS	0	0	4	0	2	NIL	Retained	-	Skilling
4	23UC0010	Universal Human Values and Professional Ethics	HSS	2	0	0	0	2	Nil	Retained	-	Employability
5	22PY1101T	Human Anatomy and Physiology I (Theory)	PC	3	1	0	0	4	Nil	Retained	-	
6	22PY1101P	Human Anatomy and Physiology I (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
7	22PY1102T	Pharmaceutical Analysis I (Theory)	PC	3	1	0	0	4	Nil	Retained	-	
8	22PY1102P	Pharmaceutical Analysis I (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
9	22PY1103T	Pharmaceutics (Theory)	PC	3	1	0	0	4	Nil	Retained	-	
10	22PY1103P	Pharmaceutics (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
11	22PY1104T	Pharmaceutical Inorganic Chemistry (Theory)	PC	3	1	0	0	4	Nil	Retained	-	
12	22PY1104P	Pharmaceutical Inorganic Chemistry (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
13	22PY1105T	Communication skills * (Theory)	BS	2	0	0	0	2	Nil	Retained	-	
14	22PY1105P	Communication skills* (Practical)	BS	0	0	2	0	1	NIL	Retained	-	Skilling

G. Chandra PRINCIPAL
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15	22PY1106RBT /RMT	Remedial Biology/Remedial Mathematics* (Theory)	BS	2	0	0	0	2	Nil	Retained	-	
16	22PY1106RBP	Remedial Biology* (Practical)	BS	0	0	2	0	1	NIL	Retained	-	Skilling
17	22PY1207T	Human Anatomy and Physiology II (Theory)	PC	3	1	0	0	4	Nil	Retained	-	
18	22PY1207P	Human Anatomy and Physiology II (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
19	22PY1208T	Pharmaceutical Organic Chemistry I (Theory)	PC	3	1	0	0	4	Nil	Retained	-	
20	22PY1208P	Pharmaceutical Organic Chemistry I (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
21	22PY1209T	Biochemistry (Theory)	PC	3	1	0	0	4	Nil	Retained	-	
22	22PY1209P	Biochemistry (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
23	22PY1210T	Pathophysiology (Theory)	PC	3	1	0	0	4	Nil	Retained	-	
24	22PY1211T	Computer Applications in Pharmacy* (Theory)	BS	3	0	0	0	3	Nil	Retained	-	
25	22PY1211P	Computer Applications in Pharmacy* (Practical)	BS	0	0	2	0	1	NIL	Retained	-	Skilling
26	22PY1212T	Environmental sciences * (Theory)	BS	3	0	0	0	3	Nil	Retained	-	
27	22PY2113T	Pharmaceutical Organic Chemistry II (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
28	22PY2113P	Pharmaceutical Organic Chemistry II (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
29	22PY2114T	Physical Pharmaceutics I (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
30	22PY2114P	Physical Pharmaceutics I (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling


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31	22PY2115T	Pharmaceutical Microbiology (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
32	22PY2115P	Pharmaceutical Microbiology (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
33	22PY2116T	Pharmaceutical Engineering (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
34	22PY2116P	Pharmaceutical Engineering (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
35	22PY2218T	Medicinal Chemistry I (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
36	22PY2218P	Medicinal Chemistry I (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
37	22PY2219T	Physical Pharmaceutics II (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
38	22PY2219P	Physical Pharmaceutics II (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
39	22PY2220T	Pharmacology I (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
40	22PY2220P	Pharmacology I (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
41	22PY2221T	Pharmacognosy and Phytochemistry I (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
42	22PY2221P	Pharmacognosy and Phytochemistry I (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
43	22PY3122T	Medicinal Chemistry II (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
44	22PY3123T	Industrial Pharmacy I (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
45	22PY3123P	Industrial Pharmacy I (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
46	22PY3124T	Pharmacology II (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
47	22PY3124P	Pharmacology II (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling


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48	22PY3125T	Pharmacognosy and Phytochemistry II (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
49	22PY3125P	Pharmacognosy and Phytochemistry II (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
50	22PY3126T	Pharmaceutical Jurisprudence (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
51	22PY3123S	Production process for API/Bulk drug/Intermediates	skill	0	0	0	4	1	NIL	Retained	-	Skilling
52	22PY3227T	Medicinal Chemistry III (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
53	22PY3227P	Medicinal chemistry III (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
54	22PY3228T	Pharmacology III (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
55	22PY3228P	Pharmacology III (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
56	22PY3229T	Herbal Drug Technology (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
57	22PY3229P	Herbal Drug Technology (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
58	22PY3230T	Biopharmaceutics and Pharmacokinetics (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
59	22PY3231T	Pharmaceutical Biotechnology (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
60	22PY4133P	Instrumental Methods of Analysis (Practical)	PC	0	0	4	0	2	NIL	Retained	-	Skilling
61	22PY3232T	Quality Assurance (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
62	22PY4133T	Instrumental Methods of Analysis (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
63	22PY4134T	Industrial Pharmacy II (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability


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64	22PY4135T	Pharmacy Practice (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
65	22PY4136T	Novel Drug Delivery System (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
66	22PY4137PS	Practice School*	PC	0	0	12	0	6	NIL	Retained	-	Skilling
67	22PY4133S	Operation of Analytical Instruments	Skill	0	0	0	4	1	NIL	Retained	-	Skilling
68	22PY4238T	Biostatistics and Research Methodology (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
69	22PY4239T	Social and Preventive Pharmacy (Theory)	PC	3	1	0	0	4	Nil	Retained	-	Employability
70	22PY4240ET	Pharma Marketing Management (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
71	22PY4241ET	Pharmaceutical Regulatory Science (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
72	22PY4242ET	Pharmacovigilance (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
73	22PY4243ET	Quality Control and Standardization of Herbals (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
74	22PY4244ET	Computer Aided Drug Design (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
75	22PY4245ET	Cell and Molecular Biology (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
76	22PY4246ET	Cosmetic Science (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
77	22PY4247ET	Experimental Pharmacology (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
77	22PY4248ET	Advanced Instrumentation Techniques (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship
78	22PY4249ET	Dietary Supplements and Nutraceuticals (Theory)	PE	3	1	0	0	4	NIL	Retained	-	Entrepreneurship


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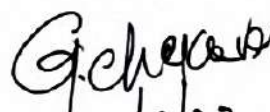
79	22PY4250PW	Project Work	PW	0	0	12	0	6	NIL	Retained	-	Skilling
80	23OEGN01	National Cadet Corps(NCC)-1	OE	2	0	2	0	3	NIL	Retained	-	Skilling
81	23OEGN02	National Cadet Corps (NCC)-2	OE	2	0	2	0	3	NIL	Retained	-	Skilling
82	23OEGN03	National Cadet Corps (NCC)-3	OE	2	0	2	0	3	NIL	Retained	-	Skilling
83	23OEGN04	National Service Scheme-1	OE	2	0	2	0	3	NIL	Retained	-	Skilling
84	23OEGN05	National Service Scheme-2	OE	2	0	2	0	3	NIL	Retained	-	Skilling
85	23OEGN06	National Service Scheme-3	OE	2	0	2	0	3	NIL	Retained	-	Skilling

Percentage of Syllabus Revision= 0%

Percentage of Courses focusing on Employability= 30.58%

Percentage of Courses focusing on Entrepreneurship= 11.76%

Percentage of Courses focusing on Skill Development = 44.70%


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M. Pharmacy Y23 Structure focused on Focused on Employability/Entrepreneurship/Skill Development

SNO	COURSE CODE	COURSE NAME	Category	L	T	P	S	CR	Pre-Requisite	New Course/ Revised Course/ Retained Course	Changes Proposed by	EES
1	22PY5101	Modern Pharmaceutical Analytical Techniques	PCC	4	0	0	0	4	Nil	Retained	-	
2	22PY5102	Drug Delivery System	PCC	4	0	0	0	4	Nil	Retained	Nil	Employability
3	22PY5103	Modern Pharmaceutics	PCC	4	0	0	0	4	Nil	Retained	Nil	Employability
4	22PY5104	Regulatory Affair	PCC	4	0	0	0	4	Nil	Retained	Nil	Employability
5	22PY5105	Pharmaceutics Practical I	PCC	0	0	12	0	6	Nil	Retained	Nil	Skilling
6	22PY5106	Seminar/ Assignment	skill	0	0	8	0	4	Nil	Retained	Nil	
7	22PY5107	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	PCC	4	0	0	0	4	Nil	Retained	Nil	Employability
8	22PY5108	Advanced Biopharmaceutics & Pharmacokinetics	PCC	4	0	0	0	4	Nil	Retained	Nil	Employability
9	22PY5109	Computer Aided Drug Delivery System	PCC	4	0	0	0	4	Nil	Retained	Nil	Employability
10	22PY5110	Cosmetic and Cosmeceuticals	PCC	4	0	0	0	4	Nil	Retained	Nil	Employability
11	22PY5111	Pharmaceutics Practical II	PCC	0	0	12	0	6	Nil	Retained	Nil	Skilling
12	22PY5112	Seminar/ Assignment	skill	0	0	8	0	4	Nil	Retained	Nil	Skilling
13	22PY5113	Research Methodology and Biostatistics*	PCC	4	0	0	0	4	Nil	Retained	Nil	Employability
14	22PY5114	Journal club	skill	0	0	2	0	1	Nil	Retained	Nil	Skilling
15	22PY5115	Discussion / Presentation (Proposal Presentation)	skill	0	0	4	0	2	Nil	Retained	Nil	Skilling

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16	22PY5116	Research Work	skill	0	0	28	0	14	Nil	Retained	Nil	Skilling
17	22PY5117	Journal Club	skill	0	0	2	0	1	Nil	Retained	Nil	Skilling
18	22PY5118	Research Work	skill	0	0	33	0	16	Nil	Retained	Nil	Skilling
19	22PY5119	Discussion/Final Presentation	skill	0	0	6	0	3	Nil	Retained	Nil	Skilling
20	22PY5120	Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	skill	0	0	8	0	4	Nil	Retained	Nil	Skilling

Percentage of Syllabus Revision= 0%

Percentage of Courses focusing on Employability= 40%


Percentage of Courses focusing on Entrepreneurship= 0%

Percentage of Courses focusing on Skill Development = 50%


G. Chakraborty
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Pharm. D Y23 Structure Focused on Employability/Entrepreneurship/Skill Development

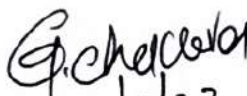
SNO	COURSE CODE	COURSE NAME	Course Category	L	T	P	S	Pre-Requisite	New Course/Revised Course/Retained Course	Changes Proposed by	EES
1	22PY6101T	Human Anatomy and Physiology	PC	3	1	0	0	Nil	Retained	-	
2	22PY6101P	Human Anatomy and Physiology	PC	0	0	3	0	NIL	Retained	-	Skilling
3	22PY6102T	Pharmaceutics	PC	2	1	0	0	Nil	Retained	-	
4	22PY6102 P	Pharmaceutics	PC	0	0	3	0	NIL	Retained	-	Skilling
5	22PY6103T	Medicinal Biochemistry	PC	3	1	0	0	Nil	Retained	-	
6	22PY6103P	Medicinal Biochemistry	PC	0	0	3	0	NIL	Retained	-	Skilling
7	22PY6104T	Pharmaceutical Organic Chemistry	PC	3	1	0	0	Nil	Retained	-	
8	22PY6104P	Pharmaceutical Organic Chemistry	PC	0	0	3	0	NIL	Retained	-	Skilling
9	22PY6105T	Pharmaceutical Inorganic Chemistry	PC	2	1	0	0	Nil	Retained	-	
10	22PY6105P	Pharmaceutical Inorganic Chemistry	PC	0	0	3	0	NIL	Retained	-	Skilling
11	22PY610B6T/ 21PY610M6T	Remedial Biology/Remedial Mathematics	BS	3	1	0	0	Nil	Retained	-	
12	22PY610B6P	Remedial Biology	BS	0	0	3	0	Nil	Retained	-	Skilling
13	22PY6201T	Pathophysiology	PC	3	1	0	0	Nil	Retained	-	Employability


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14	22PY6202T	Pharmaceutical Microbiology	PC	3	1	0	0	Nil	Retained	-	Employability
15	22PY6202P	Pharmaceutical Microbiology	PC	0	0	3	0	Nil	Retained	-	Skilling
16	22PY6203T	Pharmacognosy & Phytopharmaceuticals	PC	3	1	0	0	Nil	Retained	-	Employability
17	22PY6203P	Pharmacognosy & Phytopharmaceuticals	PC	0	0	3	0	NIL	Retained	-	Skilling
18	22PY6204T	Pharmacology-I	PC	3	1	0	0	Nil	Retained	-	Employability
19	22PY6205T	Community Pharmacy	PC	2	1	0	0	Nil	Retained	-	Entrepreneurship
20	22PY6206T	Pharmacotherapeutics-I	PC	3	1	0	0	Nil	Retained	-	Employability
21	22PY6206P	Pharmacotherapeutics-I	PC	0	0	3	0	NIL	Retained	-	Skilling
22	22PY6301T	Pharmacology-II	PC	3	1	0	0	Nil	Retained	-	Employability
23	22PY6301P	Pharmacology-II	PC	0	0	3	0	NIL	Retained	-	Skilling
24	22PY6302T	Pharmaceutical Analysis	PC	3	1	0	0	Nil	Retained	-	Employability
25	22PY6302P	Pharmaceutical Analysis	PC	0	0	3	0	NIL	Retained	-	Skilling
26	22PY6303T	Pharmacotherapeutics-II	PC	3	1	0	0	Nil	Retained	-	Employability
27	22PY6303P	Pharmacotherapeutics-II	PC	0	0	3	0	NIL	Retained	-	Skilling
28	22PY6304T	Pharmaceutical Jurisprudence	PC	2	0	0	0	Nil	Retained	-	Employability
29	22PY6305T	Medicinal Chemistry	PC	3	1	0	0	Nil	Retained	-	Employability
30	22PY6305P	Medicinal Chemistry	PC	0	0	3	0	NIL	Retained	-	Skilling
31	22PY6306T	Pharmaceutical Formulations	PC	2	1	0	0	Nil	Retained	-	Employability
32	22PY6306P	Pharmaceutical Formulations	PC	0	0	3	0	NIL	Retained	-	Skilling
33	22PY6401T	Pharmacotherapeutics-III	PC	3	1	0	0	Nil	Retained	-	Employability


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34	22PY6401P	Pharmacotherapeutics-III	PC	0	0	3	0	NIL	Retained	-	Skilling
35	22PY6402T	Hospital Pharmacy	PC	2	1	0	0	Nil	Retained	-	Entrepreneurship
36	22PY6402P	Hospital Pharmacy	PC	0	0	3	0	NIL	Retained	-	Entrepreneurship
37	22PY6403T	Clinical Pharmacy	PC	3	1	0	0	Nil	Retained	-	Entrepreneurship
38	22PY6403P	Clinical Pharmacy	PC	0	0	3	0	NIL	Retained	-	Skilling
39	22PY6404T	Biostatistics & Research Methodology	PC	2	1	0	0	Nil	Retained	-	Employability
40	22PY6405T	Biopharmaceutics & Pharmacokinetics	PC	3	1	0	0	Nil	Retained	-	Employability
41	22PY6405P	Biopharmaceutics & Pharmacokinetics	PC	0	0	3	0	NIL	Retained	-	Skilling
42	22PY6406T	Clinical Toxicology	PC	2	1	0	0	Nil	Retained	-	Employability
43	22PY6501T	Clinical Research	PC	3	1	0	0	Nil	Retained	-	Entrepreneurship
44	22PY6502T	Pharmacoepidemiology and Pharmacoeconomics	PC	3	1	0	0	Nil	Retained	-	Employability
45	22PY6503T	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	PC	2	1	0	0	Nil	Retained	-	Employability


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46	22PY650N4	Clerkship	PC	0	1	0	0	NIL	Retained	-	Skilling
47	22PY650E5	Project work (Six Months)	PC	0	0	2	0	NIL	Retained	-	Skilling
48	22PY660N1	Internship	PC	0	0	4	0	NIL	Retained	-	Skilling

Percentage of Syllabus Revision= 0%

Percentage of Courses focusing on Employability= 35.41%

Percentage of Courses focusing on Entrepreneurship= 10.41%

Percentage of Courses focusing on Skill Development = 41.66%

G. Chakravarthy

30/6/22

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Phone No. 08645 - 350200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Govenorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2577715, 2576120

ANNEXURE-IV

List of Value-added courses offered for the Academic Year 2023-24, Even semester

Sl.	Name of the value-added courses (with 40 or more contact hours) offered	Course Code	Level (1-Basic, 2-Intermediate, 3-Advanced)	Pre-req. code	Mode of offering (Online/Offline)	Offering body Name (Industry / Academia / Research)	International Certification Name (yes/no)	Category: Employability / Career Advancement/ Entrepreneurship	Course Outcomes	Schedule (Staring Date –end date)
01	Clinical Data Management		1 & 2	Nil	Online	Cavaxion clinical research Private limited	No	Employability	3	Feb, 2024 –April, 2024
02	Statistical Analytical Systems (SAS)		1 & 2	Nil	Online	Cavaxion clinical research Private limited	No	Employability	3	Feb, 2024 –April, 2024
03	Pharmacovigilance (PV)		1 & 2	Nil	Online	Cavaxion clinical research Private limited	No	Employability	3	Feb, 2024 –April, 2024

G. Chakravarthy
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Annexure V

Summary of Stakeholders Feedback: 2023-2024 (Odd Sem)

PROGRAM NAME (PHARAMCY)

S.NO	Stake Holders	Count
1	Academic Peers	24
2	Industry	22
3	Alumni	12
4	Faculty	37
5	Parents	60
6	Students	318

Academic Peers

S.N O	Name	Qualifica tion	Designat ion	Organization	Recommendation/Suggesti on received
1.	Dr P Sobitha Rani	Ph.D	Associate professor	Bhaskar pharmacy college	Recommend adding Pharmaceutical Regulatory Affairs subject or course in the curriculum.

Industry

S.N O	Name	Qualifica tion	Designation	Organization	Recommendation/Sugg estion received
1	Dr. Rajesh Kumar Chawla	Ph.D	AGM (Head), Analytical R&D	Suven Pharmaceutical s Limited	Recommend adding Pharmaceutical Regulatory Affairs subject or course in the curriculum

Alumni

S.N O	Name	Qualifica tion	Design ation	Organizati on	Recommendation/Suggestion received
1	Evanson Gicharu	B. Pharmacy	Pharma cist	Evamer pharmaceuti cals	Introduction of entrepreneurship as a unit. This will help those who want to venture on self-employment.

Faculty

S.N O	Name	Qualifica tion	Designat ion	Organizati on	Recommendation/Suggestion received
1	Dr M Narender	Ph. D	Assistant Professor	K L College of Pharmacy	Enough time and feasibility are required for getting certification courses.

G. Chandra
30/6/23

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Parents

S.N O	Name	Qualifica tion	Design ation	Organizatio n	Recommendation/Suggestio n received

Students

S.N O	Name	Reg. No	Program of study	Year of Study	Recommendation/Suggestio n received
1	Thota, Asmitha	21015700 24	B. Pharmacy	First Year	Student exchange programme in premier institute

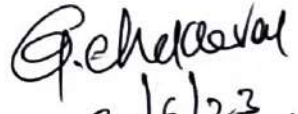
Stake Holder Feedback Analysis and Action Taken report.

S.N o	Departme nt- Program Name	Recommend ation/Sugges tion received	Analysis (Justificatio n on what basis this feedback was taken for discussion)	Action Taken	Date of DAC meeting Minutes where it has been discussed along with agenda point number	BOS meeting number and date of meeting conducted in which action was taken along with Annexure/ page number reflecting the same
Academic Peers						
1	Pharmacy	Recommend adding Pharmaceutical Regulatory Affairs subject or course in the curriculum.	Students will be gaining more employment opportunities by doing this course	The recommended course is already included in the curriculum as elective course as per the student interest they can enrol as a elective course.	29 th June 2023 Agenda No: 7	30 th June 2023 Agenda No: 7
Industry						
1	Pharmacy	Recommend adding Pharmaceutical Regulatory Affairs subject or course in the	Students will be gaining more employment opportunities by doing this	The recommended course is already included in the curriculum as elective course	29 th June 2023 Agenda No: 7	30 th June 2023 Agenda No: 7

G. Chandra
Principal

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		curriculum	course	as per the student interest they can enrol as a elective course.		
Alumni						
1	Pharmacy	Introduction of entrepreneurship as a unit. This will help those who want to venture on self-employment	Student will be able to build his own establishment by incorporating this course	The recommended course is already included in the curriculum as DTI where student can learn about entrepreneurship	29 th June 2023 Agenda No: 7	30 th June 2023 Agenda No: 7
Faculty						
1	Pharmacy	Enough time and feasibility are required for getting certification courses.	Student can get more time to concentrate on certification courses	Time table will be set in a way that student can concentrate on certification courses in a feasible manner	29 th June 2023 Agenda No: 7	30 th June 2023 Agenda No: 7
Parents						
Nil						
Students						
1	Pharmacy	Student exchange programme in premier institute	Student can get hands on training on various instruments	Process is ongoing to send 2 faculties and 15 students per each batch for a period of one month	29 th June 2023 Agenda No: 6	30 th June 2023 Agenda No: 6


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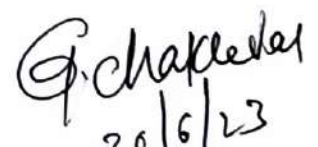
Annexure VI: Y22 Course Structure

SEMESTER - 1									
Sl No	Course Code	Course Title	Type	L	T	P	S	Cr	CH
1	22PY1101T	Human Anatomy and Physiology I (Theory)	PC	3	1	0	0	4	4
2	22PY1101P	Human Anatomy and Physiology I (Practical)	PC	0	0	4	0	2	4
3	22PY1102T	Pharmaceutical Analysis I (Theory)	PC	3	1	0	0	4	4
4	22PY1102P	Pharmaceutical Analysis I (Practical)	PC	0	0	4	0	2	4
5	22PY1103T	Pharmaceutics (Theory)	PC	3	1	0	0	4	4
6	22PY1103P	Pharmaceutics (Practical)	PC	0	0	4	0	2	4
7	22PY1104T	Pharmaceutical Inorganic Chemistry (Theory)	PC	3	1	0	0	4	4
8	22PY1104P	Pharmaceutical Inorganic Chemistry (Practical)	PC	0	0	4	0	2	4
9	22PY1105T	Communication skills * (Theory)	HSS	2	0	0	0	2	2
10	22PY1105P	Communication skills* (Practical)	HSS	0	0	2	0	1	2
11	22PY1106RB T/RMT	Remedial Biology/Remedial Mathematics* (Theory)	BS	2	0	0	0	2	2
12	22PY1106RB P	Remedial Biology* (Practical)	BS	0	0	2	0	1	2
Total				16	4	18 S/ 20 #	4	31/ 32*	38S/ 40*
S represents appearing for Remedial Mathematics, # appearing for Remedial biology									
*Non-University Examination (NUE) as per PCI									
SEMESTER - 2									
Sl No	Course Code	Course Title	Type	L	T	P	S	Cr	CH
1	22PY1207T	Human Anatomy and Physiology II (Theory)	PC	3	1	0	0	4	4
2	22PY1207P	Human Anatomy and Physiology II (Practical)	PC	0	0	4	0	2	4
3	22PY1208T	Pharmaceutical Organic Chemistry I (Theory)	PC	3	1	0	0	4	4
4	22PY1208P	Pharmaceutical Organic Chemistry I (Practical)	PC	0	0	4	0	2	4
5	22PY1209T	Biochemistry (Theory)	PC	3	1	0	0	4	4
6	22PY1209P	Biochemistry (Practical)	PC	0	0	4	0	2	4


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7	22PY1210T	Pathophysiology (Theory)	PC	3	1	0	0	4	4
8	22PY1211T	Computer Applications in Pharmacy* (Theory)	BS	3	0	0	0	3	3
9	22PY1211P	Computer Applications in Pharmacy* (Practical)	BS	0	0	2	0	1	2
10	22UC1101	Integrated Professional English	HSS	0	0	4	0	2	4
11	22PY1212T	Environmental sciences * (Theory)	BS	3	0	0	0	3	3
12	21GN40D2	National Caded Cops(NCC)-I/NSS-I	OE	2	0	2	0	3	
Total				20	4	20	0	34	44
*Non-University Examination (NUE) as per PCI									
SEMESTER - 3									
Sl No	Course Code	Course Title	Type	L	T	P	S	Cr	CH
1	22PY2113T	Pharmaceutical Organic Chemistry II (Theory)	PC	3	1	0	0	4	4
2	22PY2113P	Pharmaceutical Organic Chemistry II (Practical)	PC	0	0	4	0	2	4
3	22PY2114T	Physical Pharmaceutics I (Theory)	PC	3	1	0	0	4	4
4	22PY2114P	Physical Pharmaceutics I (Practical)	PC	0	0	4	0	2	4
5	22PY2115T	Pharmaceutical Microbiology (Theory)	PC	3	1	0	0	4	4
6	22PY2115P	Pharmaceutical Microbiology (Practical)	PC	0	0	4	0	2	4
7	22PY2116T	Pharmaceutical Engineering (Theory)	PC	3	1	0	0	4	4
8	22PY2116P	Pharmaceutical Engineering (Practical)	PC	0	0	4	0	2	4
9	22UC1202	English Proficiency	HSS	0	0	4	0	2	4
10	22UC1203	Design Thinking and Innovation	HSS	0	0	4	0	2	4
11	22GN40D3	National Caded Cops(NCC)-2/NSS-2	OE	2	0	2	0	3	4
Total				12	4	20	0	31	44


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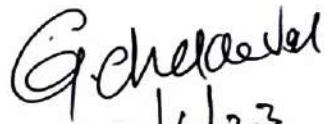
SEMESTER - 4									
Sl No	Course Code	Course Title	Type	L	T	P	S	Cr	CH
1	22PY2217T	Pharmaceutical Organic Chemistry III (Theory)	PC	3	1	0	0	4	4
2	22PY2218T	Medicinal Chemistry I (Theory)	PC	3	1	0	0	4	4
3	22PY2218P	Medicinal Chemistry I (Practical)	PC	0	0	4	0	2	4
4	22PY2219T	Physical Pharmaceutics II (Theory)	PC	3	1	0	0	4	4
5	22PY2219P	Physical Pharmaceutics II (Practical)	PC	0	0	4	0	2	4
6	22PY2220T	Pharmacology I (Theory)	PC	3	1	0	0	4	4
7	22PY2220P	Pharmacology I (Practical)	PC	0	0	4	0	2	4
8	22PY2221T	Pharmacognosy and Phytochemistry I (Theory)	PC	3	1	0	0	4	4
9	22PY2221P	Pharmacognosy and Phytochemistry I (Practical)	PC	0	0	4	0	2	4
Total				15	5	16	0	28	36
SEMESTER - 5									
Sl No	Course Code	Course Title	Type	L	T	P	S	Cr	CH
1	22PY3122T	Medicinal Chemistry II (Theory)	PC	3	1	0	0	4	4
2	22PY3123T	Industrial Pharmacy I (Theory)	PC	3	1	0	0	4	4
3	22PY3123P	Industrial Pharmacy I (Practical)	PC	0	0	4	0	2	4
4	22PY3124T	Pharmacology II (Theory)	PC	3	1	0	0	4	4
5	22PY3124P	Pharmacology II (Practical)	PC	0	0	4	0	2	4
6	22PY3125T	Pharmacognosy and Phytochemistry II (Theory)	PC	3	1	0	0	4	4
7	22PY3125P	Pharmacognosy and Phytochemistry II (Practical)	PC	0	0	4	0	2	4
8	22PY3126T	Pharmaceutical Jurisprudence (Theory)	PC	3	1	0	0	4	4
9	22PY3123S	Production process for API/Bulk drug/Intermediates	skill	0	0	0	4	1	4
Total				15	5	12	4	27	36


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SEMESTER - 6									
Sl No	Course Code	Course Title	Type	L	T	P	S	Cr	CH
1	22PY3227T	Medicinal Chemistry III (Theory)	PC	3	1	0	0	4	4
2	22PY3227P	Medicinal chemistry III (Practical)	PC	0	0	4	0	2	4
3	22PY3228T	Pharmacology III (Theory)	PC	3	1	0	0	4	4
4	22PY3228P	Pharmacology III (Practical)	PC	0	0	4	0	2	4
5	22PY3229T	Herbal Drug Technology (Theory)	PC	3	1	0	0	4	4
6	22PY3229P	Herbal Drug Technology (Practical)	PC	0	0	4	0	2	4
7	22PY3230T	Biopharmaceutics and Pharmacokinetics (Theory)	PC	3	1	0	0	4	4
8	22PY3231T	Pharmaceutical Biotechnology (Theory)	PC	3	1	0	0	4	4
9	22PY3232T	Quality Assurance (Theory)	PC	3	1	0	0	4	4
10	21GN40D6	National Caded Copse-III/NSS-III	OE	2	0	2	0	3	
Total				20	6	14	0	33	36
SEMESTER - 7									
Sl No	Course Code	Course Title	Type	L	T	P	S	Cr	CH
1	22PY4133T	Instrumental Methods of Analysis (Theory)	PC	3	1	0	0	4	4
2	22PY4133P	Instrumental Methods of Analysis (Practical)	PC	0	0	4	0	2	4
3	22PY4134T	Industrial Pharmacy II (Theory)	PC	3	1	0	0	4	4
4	22PY4135T	Pharmacy Practice (Theory)	PC	3	1	0	0	4	4
5	22PY4136T	Novel Drug Delivery System (Theory)	PC	3	1	0	0	4	4
6	22PY4137PS	Practice School*	PC	0	0	12	0	6	12
7	20UC0010	Universal Human Values and Professional Ethics	HSS	2	0	0	0	0	2
8	22PY4133S	Operation of Analytical Instruments	Skill	0	0	0	4	1	4
Total				14	4	16	4	25	38
*Non-University Examination (NUE) as per PCI									



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SEMESTER - 8									
Sl No	Course Code	Course Title	Type	L	T	P	S	Cr	CH
1	22PY4238T	Biostatistics and Research Methodology (Theory)	PC	3	1	0	0	4	4
2	22PY4239T	Social and Preventive Pharmacy (Theory)	PC	3	1	0	0	4	4
3	22PY4240ET	Pharma Marketing Management (Theory)	PE	3	1	0	0	4	4
4	22PY4241ET	Pharmaceutical Regulatory Science (Theory)	PE						
5	22PY4242ET	Pharmacovigilance (Theory)	PE						
6	22PY4243ET	Quality Control and Standardization of Herbals (Theory)	PE						
7	22PY4244ET	Computer Aided Drug Design (Theory)	PE	3	1	0	0	4	4
8	22PY4245ET	Cell and Molecular Biology (Theory)	PE						
9	22PY4246ET	Cosmetic Science (Theory)	PE						
10	22PY4247ET	Experimental Pharmacology (Theory)	PE						
11	22PY4248ET	Advanced Instrumentation Techniques (Theory)	PE	0	0	12	0	6	12
12	22PY4249ET	Dietary Supplements and Nutraceuticals (Theory)	PE						
13	22PY4250PW	Project Work	PW	0	0	12	0	6	12
		Total		12	4	12	0	22	28
GRAND TOTAL				12 4	36	12 8S /1 30 #	12	231 S/2 32#	292 S/2 94#


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Y22 M. Pharm Course Structure

SNO	COURSE CODE	COURSE NAME	Type	L	T	P	S	Cr	CH
Ist Semester									
1	22PY5101	Modern Pharmaceutical Analytical Techniques	PC	4	0	0	0	4	4
2	22PY5102	Drug Delivery System	PC	4	0	0	0	4	4
3	22PY5103	Modern Pharmaceutics	PC	4	0	0	0	4	4
4	22PY5104	Regulatory Affair	PC	4	0	0	0	4	4
5	22PY5105	Pharmaceutics Practical I	PC	0	0	12	0	6	12
6	22PY5106	Seminar/Assignment	skill	0	0	8	0	4	8
		Total		16	0	20	0	26	36
II semester									
7	22PY5107	Molecular Pharmaceutics (Nano Tech and Targeted DDS)	PC	4	0	0	0	4	4
8	22PY5108	Advanced Biopharmaceutics & Pharmacokinetics	PC	4	0	0	0	4	4
9	22PY5109	Computer Aided Drug Delivery System	PC	4	0	0	0	4	4
10	22PY5110	Cosmetic and Cosmeceuticals	PC	4	0	0	0	4	4
11	22PY5111	Pharmaceutics Practical II	PC	0	0	12	0	6	12
12	22PY5112	Seminar/Assignment	skill	0	0	8	0	4	8
		Total		16	0	20	0	26	36
III semester									
13	22PY5113	Research Methodology and Biostatistics*	PC	4	0	0	0	4	4
14	22PY5114	Journal club	skill	0	0	2	0	1	2
15	22PY5115	Discussion / Presentation (Proposal Presentation)	PR	0	0	4	0	2	4
16	22PY5116	Research Work	skill	0	0	28	0	14	28
		Total		4	0	34	0	21	38
* Non University Exam (NUE) as per PCI									
IV semester									
17	22PY5117	Journal Club	skill	0	0	2	0	1	2
18	22PY5118	Research Work	PR	0	0	32	0	16	33
19	22PY5119	Discussion/Final Presentation	skill	0	0	6	0	3	6
20	22PY5120	Co-curricular Activities (Attending Conference, Scientific Presentations and Other Scholarly Activities)	skill	0	0	8	0	4	8
		Total		0	0	49	0	24	49
Grand Total				72	0	196	0	97	159



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Y22 Pharm. D Course Structure

I YEAR								
Sl No	Course Code	Course Title	Type	L	T	P	S	CH
1	22PY6101T	Human Anatomy and Physiology	PC	3	1	0	0	4
2	22PY6101P	Human Anatomy and Physiology	PC	0	0	3	0	3
3	22PY6102T	Pharmaceutics	PC	2	1	0	0	3
4	22PY6102P	Pharmaceutics	PC	0	0	3	0	4
5	22PY6103T	Medicinal Biochemistry	PC	3	1	0	0	3
6	22PY6103P	Medicinal Biochemistry	PC	0	0	3	0	4
7	22PY6104T	Pharmaceutical Organic Chemistry	PC	3	1	0	0	3
8	22PY6104P	Pharmaceutical Organic chemistry	PC	0	0	3	0	3
9	22PY6105T	Pharmaceutical Inorganic Chemistry	PC	2	1	0	0	3
10	22PY6105P	Pharmaceutical Inorganic Chemistry	PC	0	0	3	0	3
11	22PY610B6T/ 21PY610M6T	Remedial Biology/Remedial Mathematics	BS	3	1	0	0	4
12				0	0	3	0	3
13	22PY610B6P	Remedial Biology	BS	0	0	3	0	3
Total				16	6	18	0	40
II YEAR								
Sl No	Course Code	Course Title	Type	L	T	P	S	CH
1	22PY6201T	Pathophysiology	PC	3	1	0	0	4
2	22PY6202T	Pharmaceutical Microbiology	PC	3	1	0	0	4
3	22PY6202P	Pharmaceutical Microbiology	PC	0	0	3	0	3
4	22PY6203T	Pharmacognosy & Phytopharmaceuticals	PC	3	1	0	0	4
5	22PY6203P	Pharmacognosy & Phytopharmaceuticals	PC	0	0	3	0	3
6	22PY6204T	Pharmacology-I	PC	3	1	0	0	4
7	22PY6205T	Community Pharmacy	PC	2	1	0	0	3
8	22PY6206T	Pharmacotherapeutics-I	PC	3	1	0	0	4
9	22PY6206P	Pharmacotherapeutics-I	PC	0	0	3	0	3
Total				17	6	9	0	34
III YEAR								
Sl No	Course Code	Course Title	Type	L	T	P	S	CH
1	22PY6301T	Pharmacology-II	PC	3	1	0	0	4
2	22PY6301P	Pharmacology-II	PC	0	0	3	0	3
3	22PY6302T	Pharmaceutical Analysis	PC	3	1	0	0	4
4	22PY6302P	Pharmaceutical Analysis	PC	0	0	3	0	3
5	22PY6303T	Pharmacotherapeutics-II	PC	3	1	0	0	4
6	22PY6303P	Pharmacotherapeutics-II	PC	0	0	3	0	3
7	22PY6304T	Pharmaceutical Jurisprudence	PC	2	0	0	0	2
8	22PY6305T	Medicinal Chemistry	PC	3	1	0	0	4
9	22PY6305P	Medicinal Chemistry	PC	0	0	3	0	3
10	22PY6306T	Pharmaceutical Formulations	PC	2	1	0	0	3


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11	22PY6306P	Pharmaceutical Formulations	PC	0	0	3	0	3
Total				16	5	15	0	36
IV YEAR								
Sl No	Course Code	Course Title	Type	L	T	P	S	CH
1	22PY6401T	Pharmacotherapeutics-III	PC	3	1	0	0	4
2	22PY6401P	Pharmacotherapeutics-III	PC	0	0	3	0	3
3	22PY6402T	Hospital Pharmacy	PC	2	1	0	0	3
4	22PY6402P	Hospital Pharmacy	PC	0	0	3	0	3
5	22PY6403T	Clinical Pharmacy	PC	3	1	0	0	4
6	22PY6403P	Clinical Pharmacy	PC	0	0	3	0	3
7	22PY6404T	Biostatistics & Research Methodology	PC	2	1	0	0	3
8	22PY6405T	Biopharmaceutics & Pharmacokinetics	PC	3	1	0	0	4
9	22PY6405P	Biopharmaceutics & Pharmacokinetics	PC	0	0	3	0	3
10	22PY6406T	Clinical Toxicology	PC	2	1	0	0	3
Total				15	6	12	0	33
V YEAR								
Sl No	Course Code	Course Title	Type	L	T	P	S	CH
1	22PY6501T	Clinical Research	PC	3	1	0	0	4
2	22PY6502T	Pharmacoepidemiology and Pharmacoeconomics	PC	3	1	0	0	4
3	22PY6503T	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	PC	2	1	0	0	3
4	22PY650N4	Clerkship	PC	0	1	0	0	1
5	22PY650E5	Project work (Six Months)	PC	0	0	20	0	20
Total				8	4	20	0	32
VI YEAR								
Sl No	Course Code	Course Title	Type	L	T	P	S	CH
1	22PY660N1	Internship	PC	0	0	40		40
Total				0	0	40	0	40
GRAND TOTAL				74	27	114	0	215


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Annexure VII: Evaluation Plans

Evaluation Plan for B. Pharm (Theory)

Evaluation Type	Evaluation Component	Weightage/Marks		Final Max. Marks (After Scale down)	Assessment Dates	Duration (Hours)	CO1	CO2	CO3	CO4
							1,2	1,2	1,2	1,2
Blooms Taxonomy Level							3.75	3.75		
In-Semester Summative Evaluation Total =15%	In-Sem Exam-I	Weightage	7.5	7.5 M		1	15	15		
		Max Marks	30M							
	In-Sem Exam -II	Weightage	7.5	7.5 M		1			3.75	3.75
		Max Marks	30M						15	15
Formative Evaluation (Continuous Mode) Total =10%	Attendance	Weightage	4	4 M	Continuous evaluation					
		Max Marks	100M							
	Quiz	Weightage	1	1 M	Continuous Evaluation	0.25	0.25	0.25	0.25	
		Max Marks	40M			10	10	10	10	
	Assignment	Weightage	1	1 M	Continuous Evaluation	0.25	0.25	0.25	0.25	
		Max Marks	40M			10	10	10	10	
	Class test	Weightage	1	1 M	Continuous Evaluation	0.25	0.25	0.25	0.25	
		Max Marks	40M			10	10	10	10	
	Student-Teacher Interaction (Tut)	Weightage	3	3 M	Continuous Evaluation	0.75	0.75	0.75	0.75	
		Max Marks	100M			25	25	25	25	
End-Semester Summative Evaluation Total = 75%	Semester End Exam	Weightage	75	75 M		3	18.75	18.75	18.75	18.75
		Max Marks	75M				18.75	18.75	18.75	18.75
		Weightage	100%	100 M						
	Conduct of Exam Total Marks		455 M							


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Evaluation Plan for B. Pharm (Practical)

Evaluation Type	Evaluation Component	Weightage/Marks		Assessment Dates	Duration (Hours)	CO1	CO2	CO3	CO4
End Semester Summative Evaluation Total= 35 %	Lab End Semester Exam	Weightage	35		240	8.75	8.75	8.75	8.75
		Max Marks	70			17.5	17.5	17.5	17.5
In Semester Summative Evaluation Total= 10 %	Semester in Exam-II	Weightage	5		240			2.5	2.5
		Max Marks	40					20	20
	Semester in Exam-I	Weightage	5		240	2.5	2.5		
		Max Marks	40			20	20		
In Semester Formative Evaluation Total= 5 %	Attendance	Weightage	2		240	0.5	0.5	0.5	0.5
		Max Marks	100			25	25	25	25
	Continuous Evaluation - Lab Evaluation	Weightage	3		240	0.75	0.75	0.75	0.75
		Max Marks	100			25	25	25	25

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Evaluation Plan for M. Pharm (Theory)

Evaluation Type	Evaluation Component	Weightage/Marks		Assessment Dates	Duration (Hours)	CO1	CO2	CO3	CO4	CO5	CO6
End Semester Summative Evaluation Total= 75 %	End Semester Exam	Weightage	75		180	12.5	12.5	12.5	12.5	12.5	12.5
		Max Marks	75			12.5	12.5	12.5	12.5	12.5	12.5
In Semester Summative Evaluation Total= 15 %	Semester in Exam-II	Weightage	7.5		90				2.5	2.5	2.5
		Max Marks	30						10	10	10
	Semester in Exam-I	Weightage	7.5		90	2.5	2.5	2.5			
		Max Marks	30			10	10	10			
In Semester Formative Evaluation Total= 10 %	Attendance	Weightage	8		240	1.33	1.33	1.33	1.33	1.33	1.35
		Max Marks	8			1.33	1.33	1.33	1.33	1.33	1.35
	Questions & Answers	Weightage	2		240	0.33	0.33	0.33	0.33	0.33	0.35
		Max Marks	2			0.33	0.33	0.33	0.33	0.33	0.35

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Evaluation Plan for M. Pharm (Practical)

Evaluation Type	Evaluation Component	Weightage/ Marks		Final Max. Marks (After Scale down)	Assessment Dates	Duration (Hours)	CO1	CO2	CO3	CO4	CO5	CO6
In-Semester Summative Evaluation Total=15%	In-Sem Exam-I	Weightage	7.5	7.5 M	Test 1 Dates	1.5	2.5	2.5	2.5			
		Max Marks	30 M				10	10	10			
	In-Sem Exam -II	Weightage	7.5	7.5 M	Test 2 Dates	1.5				2.5	2.5	2.5
		Max Marks	30 M							10	10	10
Formative Evaluation (Continuous Mode) Total =10%	Attendance	Weightage	8	8 M	Continuous evaluation							
		Max Marks	8M									
	Student-Teacher Interaction	Weightage	2	2 M	Continuous Evaluation							
		Max Marks	2 M									
End-Semester Summative Evaluation Total = 75%	Semester End Exam	Weightage	75	75 M	Exam Dates	3	12.5	12.5	12.5	12.5	12.5	12.5
		Max Marks	90 M				15	15	15	15	15	15
		Weightage	100 %	100 M								
	Conduct of Exam Total Marks		100 M									



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Evaluation Plan for Pharm. D (Theory)

Evaluation Type	Evaluation Component	Weightage/Marks		Final Max. Marks (After Scale down)	Assessment Dates	Duration (Hours)	CO 1	CO 2	CO 3	C 04	C 05	C 06
In- Semester Summative Evaluation Total = 20% (Average of best two out of three)	In-Sem Exam-I	Weight age	10* M	10M	Test 1 Dates	1.5	5	5				
		Max Marks	30 M				15	15				
	In-Sem Exam -II	Weight age	10*	10 M	Test 2 Dates	1.5			5	5		
		Max Marks	30 M						15	15		
	In-Sem Exam -III	Weight age	10*	10M	Test 3 Dates	1.5					5	5
		Max Marks	30 M								15	15
In- Semester Formative Evaluation Total =10%	Quiz	Weight age	3	3 M	Continuous Evaluation		0.5	0.5	0.5	0.5	0.5	0.5
		Max Marks	60 M				10	10	10	10	10	10
	Assignment	Weight age	1.5	1.5 M	Continuous Evaluation		0.25	0.25	0.25	0.25	0.25	0.25
		Max Marks	60 M				10	10	10	10	10	10
	Class test	Weight age	1.5	1.5 M	Continuous		0.25	0.25	0.25	0.25	0.25	0.25



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		Max Marks	60 M		Evaluation	10	10	10	10	10	10
	Student-Teacher Interaction (Tut)	Weight age	4	4 M	Continuous Evaluation	0.68	0.68	0.66	0.66	0.66	0.66
		Max Marks	90 M			15	15	15	15	15	15
End-Semester Summative Evaluation Total = 70%	Semester End Exam	Weight age	70	70 M	Exam Dates	3	11.67	11.67	11.67	11.67	11.67
		Max Marks	70 M				12	12	12	12	10
		Weight age	100 %	100 M							
	Conduct of Exam Total Marks		100 M								


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Evaluation Plan for Pharm. D (Practical)


Evaluation Type	Evaluation Component	Weightage/Marks	Final Max. Marks (After Scale down)	Assessment Dates	Duration (Hours)	C 01	C 02	C 03	C 04	C 05	C 06
In-Semester Summative Evaluation Total =20% (Average of best two out of three)	In-Sem Lab Exam-I	Weightage	10	Test 1 Dates	3	5	5				
		Max Marks	30 M			15 M	15 M				
	In-Sem Lab Exam - II	Weightage	10	Test 2 Dates	3			5	5		
		Max Marks	30 M					15M	1M		
	In-Sem Lab Exam - III	Weightage	10	Test 3 Dates	3					5	5
		Max Marks	30 M							15M	15M
			=20M								
Formative Evaluation (Continuous Mode) Total =10%	Lab continuous evaluation (Regularity and Promptness)	Weightage	3	10M	Continuous Evaluation						
		Max Marks	60 M								
	viva voce	Weightage	4		Continuous Evaluation						
		Max Marks	60 M								
	Record maintenance	Weightage	3		Continuous Evaluation						
		Max Marks	60 M								
End-Semester Summative	Semester End Lab Exam	Weightage	70	70M	Exam Dates	4	11.66	11.66	11.66	11.66	11.66


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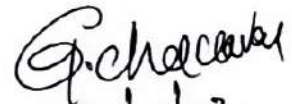
Annexure VIII: OBE Analysis for the A.Y. 2022-23

Sl No	YEAR	SEM	Course Code	Course Title	% of Course Outcome attainment			
					CO1	CO2	CO3	CO4
1	1	1	22PY1101T	Human Anatomy and Physiology I (Theory)	70.4	68.7	80.4	82.6
2	1	1	22PY1101P	Human Anatomy and Physiology I (Practical)	100	100		
3	1	1	22PY1102T	Pharmaceutical Analysis I(Theory)	84.17	77.4	77.8	67.2
4	1	1	22PY1102P	Pharmaceutical Analysis I(Practical)	100	100		
5	1	1	22PY1103T	Pharmaceutics I (Theory)	86.4	82	82.1	81.2
6	1	1	22PY1103P	Pharmaceutics I(Practical)	100	100		
7	1	1	22PY1104T	Pharmaceutical Inorganic Chemistry (Theory)	84.2	81.6	81.4	77.7
8	1	1	22PY1104P	Pharmaceutical Inorganic Chemistry (Practical)	100	100		
9	1	1	22PY1105T	Communication skills * (Theory)	95	91	97	93
10	1	1	22PY1105P	Communication skills* (Practical)	100	100		
11	1	1	22PY1106RBT/ 22PY1106RMT	Remedial Biology/Remedial Mathematics* (Theory)	77.25	80.25	74.8	82.7
12	1	1	22PY1106RBP	Remedial Biology* (Practical)	100	100		
13	1	2	22PY1207T	Human Anatomy and Physiology II (Theory)	76.2	77.9	63.2	77.1
14	1	2	20UC1102	Design Thinking and Innovation-I	100	100	100	100
15	1	2	21PY1207P	Human Anatomy and Physiology II (Practical)	100	100		
16	1	2	21PY1208T	Pharmaceutical Organic Chemistry I (Theory)	74.7	71.9	60.3	27.7
17	1	2	22PY1208P	Pharmaceutical Organic Chemistry I (Practical)	100	100		
18	1	2	22PY1209T	Biochemistry (Theory)	84	78	76.2	58.9
19	1	2	22PY1209P	Biochemistry (Practical)	100	100		
20	1	2	22PY1210T	Pathophysiology (Theory)	85	82	79	68
21	1	2	22PY1211T	Computer Applications in Pharmacy* (Theory)	90.6	90.6	89.4	85.7
22	1	2	22PY1211P	Computer Applications in Pharmacy* (Practical)	100	100		
23	1	2	22PY1212T	Environmental sciences * (Theory)	65.65	77.5	81.5	79.6
24	1	2	20UC1203	Design Thinking and Innovation-II				
25	2	1	21PY2113T	Pharmaceutical Organic Chemistry II (Theory)	98.2	90.7	93.5	93.5
26	2	1	21PY2113P	Pharmaceutical Organic Chemistry II (Practical)	100	100		

27	2	1	21PY2114T	Physical Pharmaceutics I (Theory)	73.9	72.2	69.3	73.2
28	2	1	21PY2114P	Physical Pharmaceutics I (Practical)	100	100		
29	2	1	21PY2115T	Pharmaceutical Microbiology (Theory)	57	60	75	60
30	2	1	21PY2115P	Pharmaceutical Microbiology (Practical)	100	100		
31	2	1	21PY2116T	Pharmaceutical Engineering (Theory)	86.2	86	85.4	85.2
32	2	1	21PY2116P	Pharmaceutical Engineering (Practical)	100	100		
33	2	2	21UC1202	English Proficiency	100	100		
34	2	2	21PY2217T	Pharmaceutical Organic Chemistry III (Theory)	96.3	94.2	92.2	92
35	2	2	21PY2218T	Medicinal Chemistry I (Theory)	93.2	92	87.9	89.4
36	2	2	21PY2218P	Medicinal Chemistry I (Practical)	100	100		
37	2	2	21PY2219T	Physical Pharmaceutics II (Theory)	76.8	78.6	74.5	75.6
38	2	2	21PY2219P	Physical Pharmaceutics II (Practical)	100	100		
39	2	2	21PY2220T	Pharmacology I (Theory)	91.6	92.8	92	95
40	2	2	21PY2220P	Pharmacology I (Practical)	100	100		
41	2	2	21PY2221T	Pharmacognosy and Phytochemistry I (Theory)	87	78	79	83
42	2	2	21PY2221P	Pharmacognosy and Phytochemistry I (Practical)	100	100		
43	3	1	20PY3122T	Medicinal Chemistry II (Theory)	57	60	55	65
44	3	1	20PY3123T	Industrial Pharmacy I (Theory)	77	81	80	78
45	3	1	20PY3123P	Industrial Pharmacy I (Practical)	100	100		
46	3	1	20PY3124T	Pharmacology II (Theory)	91.6	85.2	84.3	84.7
47	3	1	20PY3124P	Pharmacology II (Practical)	100	100		
48	3	1	20PY3125T	Pharmacognosy and Phytochemistry II (Theory)				
49	3	1	20PY3125P	Pharmacognosy and Phytochemistry II (Practical)	100	100		
50	3	1	20PY3126T	Pharmaceutical Jurisprudence (Theory)	97	93.85	100	81.46
51	3	1	19UC3105	Aptitude builder II				
52	3	2	20PY3227T	Medicinal Chemistry III (Theory)	94.3	93.7	79.5	74.4
53	3	2	20PY3227P	Medicinal chemistry III (Practical)	100	100		
54	3	2	20PY3228T	Pharmacology III (Theory)	90.7	91.3	92	88.8
55	3	2	20PY3228P	Pharmacology III (Practical)	100	100		
56	3	2	20PY3229T	Herbal Drug Technology (Theory)	96	93.9	97.9	94.1


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57	3	2	20PY3229P	Herbal Drug Technology (Practical)	99	99	99	99
58	3	2	20PY3230T	Biopharmaceutics and Pharmacokinetics (Theory)	85.95	82.5	82.12	83.6
59	3	2	20PY3231T	Pharmaceutical Biotechnology (Theory)	72.8	72.8	64.3	69.3
60	3	2	20PY3232T	Quality Assurance (Theory)	85.6	91.1	89.6	84.3
61	3	2	19UC3205	Campus to Corporate	100	100		
62	4	1	19PY4133P	Instrumental Methods Of Analysis (Practical)	100	100	100	100
63	4	1	19PY4133T	Instrumental Methods Of Analysis (Theory)	91.4	89.9	92.2	91.1
64	4	1	19PY4134T	Industrial Pharmacy II (Theory)	92.8	90.8	92.6	93.4
65	4	1	19PY4135T	Pharmacy Practice (Theory)	100	100	100	100
66	4	1	19PY4136T	Novel Drug Delivery System (Theory)	93.2	93.4	97	97.2
67	4	1	19PY4137T	Practice School	95	91	88	86
68	4	1	20UC0010	Universal Human Values and Professional Ethics	100	100	100	100
69	4	2	19PY4238T	Biostatistics And Research Methodology (Theory)	66.63	97.81	97.47	96.8
70	4	2	19PY4239T	Social And Preventive Pharmacy (Theory)	96.63	97.81	97.47	96.8
71	4	2	19PY4247ET	Experimental Pharmacology (Theory)	96	84.1	92	93.9
72	4	2	19PY4248ET	Advanced Instrumentation Techniques (Theory)	95.8	100	91.7	81.5
73	4	2	19PY4250PW	Project Work	100	100	100	100


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