



2.6.2

- 1) CO PO attainment Methodology
- 2) Semester wise COPO Mapping
- 3) Subject wise COPO Attainment
- 4) COPO Attainment Summary (2022-23)



2.6.2

CO PO attainment Methodology



PROGRAMME EDUCATION OBJECTIVES (PEO)

- To produce quality pharmacist with highest professional and ethical standards, communication skills, team work in their profession and adapt to current trends by engaging in lifelong learning.
- To offer personalized teaching and counselling to students and facilitate multi-faceted development of the students
- To promote innovative educational endeavors
- To update knowledge through organizing and attending various seminars, workshops, training and conferences.
- To encourage industry academic interaction.
- To provide state of art services and consultancy to pharmaceutical industry, community and student researchers outside the Institute
- To adopt pharmaceutical research in the best benefit of mankind.

Graduate Programme Outcomes

POs describe what students are expected to know or be able to do on completion of graduation programme. The POs of B.Pharm programme are:

1. Acquire ability to apply knowledge of the core Pharmacy subjects like Pharmaceutical Technology, Pharmacology, Pharmaceutical Chemistry and Pharmacognosy along with computing abilities.
2. Acquire ability to analyze a problem, identify, think and bring solution to that problem, which is accomplished through performing subject related practical
3. Shall be able to plan the tasks and be able to finish them on deadlines along with skillful management of time, optimum utilization of resources available and proper execution and delegation of work.
4. Shall be able to lead the team and work harmoniously at professional and personal fronts and shall be able to perform all the responsibilities of a good citizen in the interests of the health of human being.
5. Shall prove his identity as a respectable professional whether he works for health care centre or drug dealer or educationist or manager etc. taking into consideration historical, financial, social and political issues.
6. Shall practice the pharmacy by utilizing the knowledge gained taking into consideration the social, health, safety, legal and cultural needs.
7. Shall use the pharmacy knowledge in sustaining and conserving the environment and the society
8. Shall work ethically and shall take decisions responsibly.
9. Shall serve the community and the society through effective two-way communication and shall involve in counseling whenever needed.
10. Shall be able to use modern computing and other relevant tools, methods, procedures and resources at appropriate places.
11. Shall always keep abreast of latest and recent trends pertinent to pharmacy knowledge and its current needs through obtaining feedbacks from concerned people and self-assessment and shall strive hard to attain them on continuing basis.



Course outcomes of one subject in Instrumental Method of Analysis (CO) theory and practical Sem 7 and its mapping with POs

Semester	Subject Code and Name	Course Outcome
B. Pharm Sem VII	BP701TP Instrumental Methods of Analysis (Theory/Practical)	CO1: Shall Understand the interaction of matter with electromagnetic radiations and its applications in drug analysis CO2: Shall learn various spectroscopic methods of analysis like UV-Visible, IR, atomic and fluorescence etc., with their principles, theory and applications in pharmacy CO3: Shall acquire knowledge of Scattering spectroscopic methods and their applications in pharmacy CO4: Shall gain the knowledge and skills of handling various spectroscopic instruments useful for analyzing drug substances and drug products in pharmaceutical industries CO5: Understand the chromatographic separation and learn latest chromatographic techniques like HPLC and GC for analysis of drugs. CO6: Shall learn to handle the instruments and applicability of all the spectroscopic methods CO7 : Shall learn to separation of amino acids, Sugars, plant pigments by various chromatography techniques

BP701TP	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO. 1	3	3	-	-	-	-	2	-	-	2	2
CO. 2	3	2	-	-	-	-	2	-	-	3	3
CO. 3	3	2	-	-	-	-	2	-	-	3	3
CO. 4	3	3	-	-	-	-	2	2	-	3	2
CO. 5	3	3	-	-	-	-	2	2	-	3	2
CO. 6	3	3	-	-	-	2	2	-	-	3	2
CO. 7	3	3	3	2	-	2	2	-	-	3	2
Average CO: 2.429, Max 3.0	3.00	2.71	3.00	2.00	-	2.00	2.00	2.00	-	2.86	2.29



ATTAINMENT OF COURSE OUTCOMES

Details are collected from internal and university examinations.

Questions papers are audited or evaluated for various aspects like curriculum covered, attainment for learning outcomes, co-relation of marks, length of paper and time management, level of knowledge, comprehension, application and analysis through questions asked etc.

Theory question paper comprises of long questions, medium length questions and short questions too.

Practical paper comprises of major and minor performance practical, synopsis, multiple choice questions, case studies, spotting, viva voce.

Marks are allotted for attendance and formative assessment.

In the present analysis, the targets for assessment for internal exams were set as follows

First class with distinction	>70 marks, attainment level is 3 (substantial)
First class	60 to 70 marks, attainment level is 2 (moderate)
Pass class	50 to 59 marks, attainment level is 1 (low)

The targets for assessment for university exams were set as follows

Grades AA, AB, BB /First class with distinction ($\geq 70\%$): attainment level is 3

Grades BC, CC/First class 60-69%: attainment level is 2

Grades CD, DD/Pass class 50-59%: attainment level is 1

Results evaluation is made in two levels.

University examinations- 80%

Internal examinations- 20%

Following are the conclusions drawn from the analysis of results (both internal and university examinations).



ATTAINMENT OF PROGRAM OUTCOMES

Course outcomes are mapped for each program outcomes. The attainment of course outcomes achieved in each academic year is translated into program outcomes based on the CO-PO matrices.

Several tools are used to assess course outcomes like overall feedback on curriculum, feedback from outgoing students, alumni feedbacks, academic peer feedback, employer feedback.

Assessment process:

Direct and indirect methods are used for evaluating attainment of POs.

Direct methods: through continuous evaluation, internal examinations, unit tests, assignments, MCQs, laboratory performances, synopsis, viva voce, etc. While manuscript preparation, questions are framed based on POs in order to attain them to a larger extent. Though few POs may not be accommodated.

The curriculum comprises of professional core subjects along with some allied subjects like Remedial Maths, environment sciences, communication skills and contributor personality development. The question papers are also evaluated from the same perspectives. Attainment of POs are considered from the data of all the students.

Indirect methods: the data is compiled from various feedbacks and activity mapping. Students mentoring also is done on personalized basis and they are graded for the attainment of various graduate attributes (program outcomes) in the beginning and end of the semester through the four years course duration by their mentors.

The evaluation is spread throughout the program, examinations, job placements data, feedback from academic peers, etc. Higher studies records and competitive exams scores are a few more tools.

Results evaluation is made in two levels.

Students' performance (direct)- 80%

Surveys/feedback (indirect)- 20%

Direct attainment level of PO is determined by taking average across all courses.

Observations

Percentage attainment is converted into a scale considering maximum of 3(high).



2022-23:

For B.Pharm program,

Highly attainable PO from theory and practical subjects (direct attainment) is PO1 and PO2 consecutively. Attainment assessed through feedbacks and surveys (indirect) combined with direct methods is high in PO1, 2, 3, 5, 6, 8 and 10.

In terms of level, the values varied from 2 to 3. This range falls between the awards of first class and distinction.

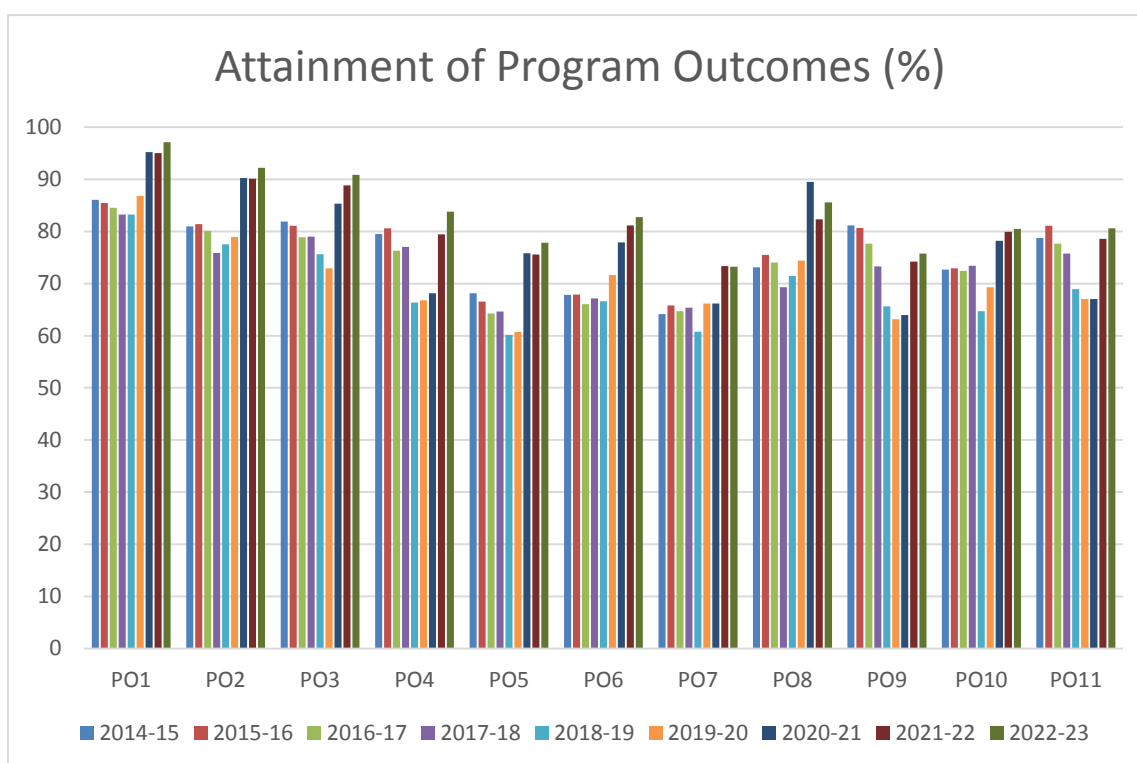
This level forms the basis of attainment against which the achieved attainment is analyzed.

About 67 courses out of 73 courses obtained the POs to the tune for more than 75% (>2.5 level) and remaining 06 courses attain POs to the tune of 70% (2-2.4 level) .

Subject code	Subject name	Programme outcomes										
		1	2	3	4	5	6	7	8	9	10	11
BP701TP	IMA (T & P)	3.00	2.71	3.00	2.00	-	2.00	2.00	2.00	-	2.86	2.29
	Direct attainment (3 Max.)	2.846	2.570	2.846	1.897	-	1.897	1.897	1.897	-	2.713	2.172
	Direct attainment (100%)	94.87	85.67	94.87	63.23	-	63.23	63.23	63.23	-	90.43	72.40
	Direct attainment (80%)	75.9	68.5	75.9	50.6	-	50.6	50.6	50.6	-	72.3	57.9



	Total Attainment %								
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
PO1	86.06	85.47	84.53	83.22	83.26	86.8	95.2	95.01	97.10
PO2	80.94	81.4	80.1	75.87	77.52	78.97	90.22	90.10	92.20
PO3	81.88	81.11	78.9	79	75.62	72.95	85.33	88.84	90.88
PO4	79.5	80.6	76.3	77.07	66.34	66.77	68.15	79.46	83.77
PO5	68.15	66.53	64.3	64.61	60.13	60.72	75.81	75.58	77.83
PO6	67.83	67.88	66.04	67.16	66.6	71.61	77.91	81.17	82.73
PO7	64.17	65.82	64.67	65.35	60.75	66.16	66.15	73.34	73.26
PO8	73.14	75.49	74.06	69.31	71.44	74.42	89.51	82.32	85.60
PO9	81.13	80.65	77.63	73.29	65.62	63.18	63.96	74.21	75.73
PO10	72.66	72.93	72.42	73.41	64.72	69.33	78.19	79.91	80.49
PO11	78.75	81.09	77.63	75.77	68.92	67.05	67.02	78.56	80.62



PO1 and PO2 are highly achieved consecutively. These POs are hard in nature and are appropriately attained through examination. Remaining POs attained in the tune of 64-89% are known as soft outcomes and needs co-and extracurricular activities to attain them. They are fulfilled by providing the necessary extra and co-curricular activities, dance, music, seminars, conferences, debates, essay writing, games, quizzes, poster presentations, publications, workshops, industrial visits, pre-placement training, personality development programs etc suggesting holistic growth of students.



Criterion 2

Sr. No.	POs attained
1	Theoretical knowledge
2	Analytical abilities
3	Time management
4	Team work
5	Professionalism
6	Socially responsible
7	Environment conscious
8	Ethical
9	Effective communication
10	Techno savvy
11	Continuing education (knowledge update)



2.6.2

Semester wise COPO Mapping



Table 3.1.2 (a)	Course name: Human Anatomy and Physiology I (Theory/Practical) (BP101TP) Sem of study: 1st										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101TP.1	3	-	-	-	-	1	-	-	2	-	-
BP101TP.2	3	2	-	-	-	2	2	-	1	-	1
BP101TP.3	3	2	2	2	-	-	1	1	-	2	1
BP101TP.4	3	3	3	3	-	3	2	2	3	3	2
BP101TP.5	3	2	-	-	2	2	1	1	2	2	2
BP101TP	3	2.25	2.5	2.5	2	2	1.5	1.33	2	2.33	1.5

Table 3.1.2 (b)	Course name: Pharmaceutical Analysis I (Theory/Practical) (BP102TP) Sem of study: 1st										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP102TP.1	3	3	3	-	1	2	-	-	-	2	-
BP102TP.2	3	3	3	2	1	2	-	3	-	2	-
BP102TP.3	3	3	3	-	1	2	-	3	-	2	-
BP102TP.4	3	3	3	2	1	2	-	3	-	-	-
BP102TP	3	3	3	2	1	2	-	3	-	2	-

Table 3.1.2 (c)	Course name: Pharmaceutics I (Theory/Practical) (BP103TP) Sem of study: 1st										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP103TP. 1	1		-	-	-	-	-	1	-	-	-
BP103TP. 2	1	3	-	3	-	3	2	3	-	-	-
BP103TP. 3	1	3	-	3	3	3	2	3	3	-	-
BP103TP. 4	1	3	-		-	3	2	3	-	-	-
BP103TP	1	3	-	3	3	3	2	2.5	3	-	-

Table 3.1.2 (d)	Course name: Pharmaceutical Inorganic Chemistry (Theory/practical) (BP104TP) Sem of study: 1st										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP104TP.1	3	2	-	-	-	2	1	-	-	-	-
BP104TP.2	3	-	-	-	-	2	-	-	-	-	-
BP104TP.3	3	-	-	-	-	2	-	-	-	-	-
BP104TP.4	3	3	3	-	1	-	-	3	-	-	-
BP104TP	3	2.5	3	-	1	2	1	3	-	-	-



Table 3.1.2 (e)	Course name: Communication Skills (Theory/Practical) (BP105TP) Sem of study: 1st										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP105TP.1	-	1	-	3	2	-	-	3	2	-	-
BP105TP.2	-	1	-	3	2	-	-	3	3	-	-
BP105TP.3	-	1	2	3	2	-	-	3	2	-	-
BP105TP.4	-	1	-	-	-	-	-	3	-	-	-
BP105TP.5	-	3	2	3	2	-	-	3	3	-	-
BP105TP	-	1.4	2	3	2	-	-	3	2.5	-	-

Table 3.1.2 (f)	Course name: Remedial Biology (Theory/Practical) (BP106TP) Sem of study: 1st										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP106TP.1	3	-	-	-	-	-	-	-	-	-	-
BP106TP.2	3	-	-	-	-	-	2	-	-	-	-
BP106TP.3	3	-	-	-	3	-	-	-	-	2	3
BP106TP	3	-	-	-	3	-	2	-	-	2	3

Table 3.1.2 (g)	Course name: Remedial Mathematics (Theory) (BP107TT) Sem of study: 1st										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP107TT.1	-	-	-	-	3	-	-	-	-	3	2
BP107TT.2	-	-	2	-	2	-	-	-	-	3	1
BP107TT.3	-	-	1	-	3	-	-	-	-	3	1
BP107TT	-	-	2	-	3	-	-	-	-	3	2

Table 3.1.2 (h)	Course name: Human Anatomy and Physiology II (Theory/Practical) (BP201TP) Sem of study: 2nd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP201TP.1	3	-	-	-	-	1	-	-	2	-	-
BP201TP.2	3	2	-	-	-	2	2	-	1	-	1
BP201TP.3	3	2	2	2	-	-	1	1	-	2	1
BP201TP.4	3	3	3	3	-	3	2	2	3	3	2
BP201TP.5	3	2	-	-	2	2	1	1	2	2	2
BP201TP.6	3	2	-	-	1	1	-	-	1	2	2
BP201TP	3	2.2	2.5	2.5	1.5	1.8	1.5	1.33	1.8	2.25	1.6



Table 3.1.2 (i)	Course name: Pharmaceutical Organic Chemistry I (Theory/Practical) (BP202TP) Sem of study: 2nd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP202TP.1	3	3	-	-	-	2	2	-	-	-	-
BP202TP.2	3	-	-	-	-	-	-	-	-	-	-
BP202TP.3	3	-	-	-	-	1	2	-	-	-	-
BP202TP.4	3	2	-	-	-	1	2	-	-	-	-
BP202TP.5	3	3	3	-	-	2	2	3	-	-	-
BP202TP.6	-	3	3	-	-	2	-	3	-	-	-
BP202TP.7	3	3	3	-	-	2	2	3	-	1	-
BP202TP.8	-	3	3	-	-	2	-	3	-	-	-
BP202TP	3	2.83	3	-	-	1.71	2	3	-	1	-

Table 3.1.2 (j)	Course name: Pharmaceutical Engineering (Theory/Practical) (BP203TP) Sem of study: 2nd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP203TP.1	3	1	-	-	-	2	-	2	-	-	-
BP203TP.2	3	1	-	-	-	2	1	2	-	-	-
BP203TP.3	3	1	2	-	-	-	-	2	-	-	-
BP203TP.4	3	1	-	-	-	2	3	2	-	-	-
BP203TP.5	3	2	3	-	-	2	2	2	-	-	-
BP203TP.6	3	1	-	-	-	-	2	2	-	-	-
BP203TP	3	1.17	2.5	-	-	2	2	2	-	-	-

Table 3.1.2 (k)	Course name: Computer Applications in Pharmacy (Theory/Practical) (BP204TP) Sem of study: 2nd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
P204TP.1	2	-	3	-	-	2	2	-	2	3	2
P204TP.2	2	-	3	-	-	2	2	-	2	3	2
P204TP.3	2	-	3	-	-	2	2	-	2	3	2
P204TP.4	2	-	3	-	-	2	2	-	2	3	2
P204TP.5	2	-	3	-	-	2	2	-	2	3	2
P204TP	2	-	3	-	-	2	2	-	2	3	2



Table 3.1.2 (l)	Course name: Environmental Sciences (Theory) (BP205TT) Sem of study: 2nd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP205TT.1	-	3	-	-	-	1	3	-	-	-	-
BP205TT.2	-	2	-	-	-	2	3	-	-	-	-
BP205TT.3	-	-	3	-	-	-	3	-	-	-	-
BP205TT.4	-	-	-	-	-	-	3	-	3	-	-
BP205TT.5	-	-	-	-	-	-	3	-	-	-	-
BP205TT.6	-	-	-	-	-	-	3	-	-	-	-
BP205TT	-	2.5	3	-	-	1.5	3	-	3	-	-

Table 3.1.2 (m)	Course name: Pharmaceutical Organic Chemistry II (Theory/Practical) (BP301TP) Sem of study: 3rd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP301TP.1	3	-	-	-	-	-	-	-	-	-	-
BP301TP.2	3	3	-	-	-	1	2	-	-	-	-
BP301TP.3	3	3	2	-	-	2	2	3	-	-	-
BP301TP.4	-	3	2	-	-	2	2	3	-	3	-
BP301TP.5	3	3	2	-	2	3	-	3	-	-	-
BP301TP	3	3	2	-	2	2	2	3	-	3	-

Table 3.1.2 (n)	Course name: Physical Pharmaceutics I (Theory/Practical) (BP302TP) Year of study: 3rd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP302TP. 1	3	3	2	2	2	-	2	3	-	-	2
BP302TP. 2	3	3	2	2	2	-	2	3	-	-	2
BP302TP. 3	3	3	2	2	2	-	2	3	-	-	2
BP302TP. 4	3	3	2	2	2	-	2	3	-	-	2
BP302TP. 5	3	3	2	2	2	-	2	3	-	-	2
BP302TP	3	3	2	2	2	-	2	3	-	-	2



Table 3.1.2 (o)	Course name: Biochemistry (Theory/Practical) (BP303TP) Sem of study: 3rd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP303TP.1	3	3	3	-	-	3	2	2	2	-	-
BP303TP.2	3	-	-	-	-	3	2	-	2	-	-
BP303TP.3	3	-	-	-	-	3	-	-	1	-	-
BP303TP.4	3	-	-	-	-	3	2	-	3	-	-
BP303TP.5	3	3	3	-	-	2	2	3	3	-	-
BP303TP.6	2	3	3	-	3	3	3	3	3	2	-
BP303TP.7	3	3	3	-	3	3	3	3	3	2	-
BP303TP.8	2	3	3	-	2	2	1	3	-	-	-
BP303TP.9	1	3	3	-	-	2	-	-	-	2	-
BP303TP	2.56	3	3	-	2.66	2.66	1.87	2.8	2.42	2	-

Table 3.1.2 (p)	Course name: Pathophysiology (Theory) (BP304TT) Sem of study: 3rd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP304TT.1	3	-	-	2	2	2	-	1	1	-	2
BP304TT.2	3	-	-	-	2	2	-	1	1	-	2
BP304TT.3	3	-	-	-	2	2	-	1	1	-	2
BP304TT	3	-	-	2	2	2	-	1	1	-	2

Table 3.1.2 (q)	Course name: Pharmacognosy and Phytochemistry I (Theory) (BP305TP) Sem of study: 3rd										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP305TP.1	3	3	-	-	2	2	-	2	-	2	1
BP305TP.2	2	2	-	2	2	2	2	2	1	3	2
BP305TP.3	3	2	2	2	2	3	1	3	2	1	3
BP305TP.4	2	3	2	2	3	3	3	2	2	2	3
BP305TP	2.5	2.5	2	2	2.25	2.5	2	2.25	1.66	2	2.25

Table 3.1.2 (r)	Course name: Pharmaceutical Organic Chemistry III (Theory) (BP401TT) Sem of study: 4th										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP401TT.1	3	-	-	-	-	2	2	-	-	-	-
BP401TT.2	3	-	-	-	-	3	2	-	-	2	2
BP401TT.3	3	3	-	-	-	2	-	-	-	-	-
BP401TT	3	3	-	-	-	2.33	2	-	-	2	2



Table 3.1.2 (s)	Course name: Medicinal Chemistry I (Theory/Practical) (BP402TP) Sem of study: 4th										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP402TP.1	3	3	-	-	-	2.33	2	-	-	2	3
BP402TP.2	3	-	-	-	2	3	-	2	-	-	2
BP402TP.3	3	-	-	-	2	3	-	2	-	-	2
BP402TP.4	3	2	-	-	1	2	-	2	-	-	-
BP402TP.5	3	3	3	3	-	-	-	3	-	2	-
BP402TP.6	-	3	3	-	-	-	-	2	-	2	-
BP402TP.7	3	3	3	2	1	1	-	2	-	2	-
BP402TP.8	3	-	-	-	-	-	-	-	-	-	-
BP402TP	3	2.6	3	2.5	1.6	2.4	-	2.14	-	1.75	2

Table 3.1.2 (t)	Course name: Physical Pharmaceutics II (Theory/Practical) (BP403TP) Sem of study: 4th										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP403TP.1	3	3	2	2	2	-	2	3	-	-	2
BP403TP.2	3	3	2	2	2	-	2	3	-	-	2
BP403TP.3	3	3	2	2	2	-	2	3	-	-	2
BP403TP.4	3	3	2	2	2	-	2	3	-	-	2
BP403TP.5	3	3	2	2	2	-	2	3	-	-	2
BP403TP	3	3	2	2	2	-	2	3	-	-	2

Table 3.1.2 (u)	Course name: Pharmacology I (Theory/Practical) (BP404TP) Sem of study: 4th										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP404TP.1	3	2	-	-	2	2	-	1	2	-	2
BP404TP.2	3	2	-	-	2	2	-	1	2	-	2
BP404TP.3	3	-	-	-	2	2	-	1	2	-	2
BP404TP.4	2	2	2	1	2	2	-	-	1	1	1
BP404TP.5	3	2	-	-	2	2	1	1	2	-	2
BP404TP	2.8	2	2	1	2	2	1	1	1.8	1	1.8



Table 3.1.2 (v)	Course name: Pharmaceutical Jurisprudence (Theory) (BP405TT) Sem of study: 4th										
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP405TT. 1	-	-	-	3	3	3	-	-	1	-	2
BP405TT. 2	-	-	-	3	3	3	-	-	1	-	2
BP405TT. 3	-	-	-	3	3	3	-	-	1	-	2
BP405TT. 4	-	-	-	3	3	3	-	3	-	-	-
BP405TT	-	-	-	3	3	3	-	3	1	-	2

(a)	Course name: Medicinal Chemistry II (Theory) (BP501TT) Sem of study: 5th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP501TT. 1	3	-	-	-	2	3	-	3	-	-	3
BP501TT. 2	3	-	-	-	2	3	-	3	-	-	3
BP501TT. 3	3	-	-	-	2	3	-	2	-	-	2
BP501TT. 4	3	-	-	-	1	3	-	2	-	-	2
BP501TT	3	-	-	-	1.75	3	-	2.5	-	-	2.25

(b)	Course name: Pharmacology II (Theory/Practical) (BP502TP) Sem of study: 5th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP502TP. 1	3	3	-	-	3	3	1	3	3	2	2
BP502TP. 2	3	3	-	-	3	3	1	3	3	2	2
BP502TP. 3	3	3	-	-	3	3	1	3	3	2	2
BP502TP. 4	3	3	3	3	3	1	1	2	1	2	2
BP502TP	3	3	3	3	3	2.5	1	2.75	2.5	2	2

(c)	Course name: Pharmacognosy and Phytochemistry II (Theory/Practical) (BP503TP) Sem of study: 5th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP503TP. 1	3	3	-	-	2	2	-	2	-	2	1
BP503TP. 2	2	2	-	2	2	2	2	2	1	3	2
BP503TP. 3	3	2	2	2	2	3	1	3	2	1	3
BP503TP. 4	2	3	2	2	3	3	3	2	2	2	3
BP503TP	2.5	2.5	2	2	2.25	2.5	2	2.25	1.66	2	2.25



Criterion 2

(d)	Course name: Pharmaceutical Microbiology (Theory/Practical) (BP504TP) Sem of study: 5th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP504TP. 1	3	3	2	2	2	2	3	2	2	2	2
BP504TP. 2	3	3	2	2	2	2	3	2	2	2	2
BP504TP. 3	3	3	2	2	2	2	3	2	2	2	2
BP504TP. 4	3	3	2	2	2	2	3	2	2	2	2
BP504TP. 5	3	3	2	2	2	2	3	2	2	2	2
BP504TP	3	3	2	2	2	2	3	2	2	2	2

(e)	Course name: Pharmaceutical Biotechnology (Theory) (BP505TT) Sem of study: 5th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP505TT. 1	3	2	3	2	2	3	3	2	2	3	3
BP505TT. 2	3	2	3	2	2	3	3	2	2	3	3
BP505TT. 3	3	2	3	2	2	3	3	2	2	3	3
BP505TT. 4	3	2	3	2	2	3	3	2	2	3	3
BP505TT	3	2	3	2	2	3	3	2	2	3	3

(e1)	Course name: Contributor Personality Development Program (BP506TP) Sem of study: 5th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP506TP. 1	-	2	-	3	-	-	-	2	2	-	-
BP506TP. 2	-	2	-	3	2	-	-	2	1	-	-
BP506TP. 3	-	2	-	-	-	-	-	2	2	-	-
BP506TP. 4	-	-	-	-	-	-	-	-	-	-	-
BP506TP. 5	-	2	-	-	-	2	1	2	-	-	-
BP506TP. 6	-	-	-	-	-	2	1	2	-	-	-
BP506TP. 7	-	-	-	3	2	2	-	2	-	-	-
BP506TP. 8	-	2	-	3	2	2	-	2	-	-	-
BP506TP	-	2	-	3	3	2	1	2	1.7	-	-

(e2)	Course name: Integrated Personality Development Program (BP507TP) Sem of study: 5th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP507TP. 1	-	3	3	2	3	-	-	2	1	-	-
BP507TP. 2	-	-	2	2	-	-	-	3	3	-	-
BP507TP. 3	-	-	-	3	2	-	-	-	-	-	1
BP507TP. 4	-	-	-	1	-	2	-	3	-	-	-
BP507TP. 5	-	3	2	-	1	-	-	-	3	-	2
BP507TP. 6	-	3	3	3	-	-	-	-	1	-	-
BP507TP	-	3	2.5	2.2	2	2	-	2.7	2	-	1.5



(f)	Course name: Medicinal Chemistry III (Theory/Practical) (BP601TP) Sem of study: 6th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP601TP. 1	3	-	-	-	2	3	-	3	-	-	3
BP601TP. 2	3	-	-	-	3	2	-	2	-	3	3
BP601TP. 3	3	-	-	-	3	2	-	2	-	3	3
BP601TP. 4	3	-	-	-	2	-	-	2	-	3	3
BP601TP. 5	2	3	2	2	1	3	-	2	-	2	3
BP601TP. 6	3	3	-	3	2	-	-	3	2	2	3
BP601TP	2.83	3	2	2.5	2.17	2.5	-	2.33	2	2.6	3

(g)	Course name: Pharmacology III (Theory/Practical) (BP602TP) Sem of study: 6th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP602TP. 1	3	2	-	-	2	1	1	1	1	1	2
BP602TP. 2	3	2	-	-	2	1	1	1	1	1	2
BP602TP. 3	3	2	-	-	2	1	1	1	3	1	2
BP602TP	3	2	-	-	2	1	1	1	1.67	1	2

(h)	Course name: Herbal Drug Technology (Theory/Practical) (BP603TP) Sem of study: 6th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP603TP. 1	3	0	0	2	0	0	0	0	0	0	0
BP603TP. 2	2	2	2	2	0	3	3	3	2	2	0
BP603TP. 3	3	2	0	3	2	2	3	0	2	2	2
BP603TP. 4	2	2	2	2	0	3	3	2	2	2	0
BP603TP. 5	3	2	2	2	2	3	2	2	2	3	3
BP603TP. 6	3	3	3	3	2	3	3	3	3	3	3
BP603TP. 7	3	3	3	3	3	3	2	3	3	3	3
BP603TP	2.71	2	1.71	2.43	1.29	2.43	2.29	1.86	2	2.14	1.57

(i)	Course name: Biopharmaceutics and Pharmacokinetics (Theory) (BP604TT) Sem of study: 6th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP604TT. 1	3	3	3	1	1	3	3	3	2	3	3
BP604TT. 2	3	3	3	1	1	3	3	3	2	3	3
BP604TT. 3	3	3	3	1	1	3	3	3	2	3	3
BP604TT. 4	3	3	3	1	1	3	3	3	2	3	3
BP604TT	3	3	3	1	1	3	3	3	2	3	3



(j)	Course name: Industrial Pharmacy I (Theory/Practical) (BP605TP) Sem of study: 6th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP605TP. 1	3	3	3	2	2	3	3	3	1	3	3
BP605TP. 2	3	3	3	2	2	3	3	3	1	3	3
BP605TP. 3	3	3	3	2	2	3	3	3	1	3	3
BP605TP	3	3	3	2	2	3	3	3	1	3	3

(k)	Course name: Instrumental Methods of Analysis (Theory/Practical) (BP701TP) Sem of study: 7th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP701TP. 1	3	3	-	-	-	-	2	-	-	2	2
BP701TP. 2	3	2	-	-	-	-	2	-	-	3	3
BP701TP. 3	3	2	-	-	-	-	2	-	-	3	3
BP701TP. 4	3	3	-	-	-	-	2	2	-	3	2
BP701TP. 5	3	3	-	-	-	-	2	2	-	3	2
BP701TP. 6	3	3	-	-	-	2	2	-	-	3	2
BP701TP. 7	3	3	3	2	-	2	2	-	-	3	2
BP701TP	3	2.86	2.67	2	2	2	2	2.33	-	2.86	2.29

(l)	Course name: Industrial Pharmacy II (Theory) (BP702TT) Sem of study: 7th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP702TT. 1	3	3	3	2	2	3	3	3	1	3	3
BP702TT. 2	3	3	3	2	2	3	3	3	1	3	3
BP702TT. 3	3	3	3	2	2	3	3	3	1	3	3
BP702TT. 4	3	3	3	2	2	3	3	3	1	3	3
BP702TT	3	3	3	2	2	3	3	3	1	3	3

(m)	Course name: Pharmacy Practice (Theory) (BP703TT) Sem of study: 7th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP703TT. 1	3	-	-	-	2	-	-	2	3	-	2
BP703TT. 2	3	-	2	-	2	-	-	2	3	-	2
BP703TT. 3	3	-	-	-	2	-	-	2	3	-	2
BP703TT. 4	3	-	-	-	2	-	-	2	3	-	2
BP703TT. 5	3	-	-	-	2	-	-	2	3	-	2
BP703TT. 6	3	-	-	-	2	-	-	2	3	-	2
BP703TT. 7	3	-	-	-	2	-	-	2	3	-	2
BP703TT. 8	3	-	-	-	2	-	-	2	3	-	2
BP703TT. 9	3	-	-	-	2	-	-	2	3	-	2
BP703TT. 10	3	-	-	-	2	-	-	2	3	-	2
BP703TT	3	-	0.2	-	2	-	-	2	3	-	2



(n)	Course name: Novel Drug Delivery System (Theory) (BP704TT) Sem of study: 7th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP704TT. 1	3	3	3	2	2	3	3	3	1	3	3
BP704TT. 2	3	3	3	2	2	3	3	3	1	3	3
BP704TT	3	3	3	2	2	3	3	3	1	3	3

(o)	Course name: Practice School (Practical) (BP705PP) Sem of study: 7th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP705PP. 1	3	3	3	2	2	2	2	3	-	3	2
BP705PP. 2	3	3	-	-	-	2	2	-	-	3	2
BP705PP. 3	3	3	3	2	-	2	2	-	-	3	2
BP705PP. 4	-	3	3	-	-	-	2	-	-	3	2
BP705PP	3	3	3	2	2	2	2	3	-	3	2

(p)	Course name: Quality Assurance (Theory) (BP706TT) Sem of study: 7th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP706TT. 1	1	-	2	2	3	3	2	3	2	3	2
BP706TT. 2	1	-	2	2	3	3	2	3	2	3	3
BP706TT. 3	1	-	2	2	3	2	2	3	2	2	2
BP706TT. 4	1	-	2	2	3	3	2	3	2	3	3
BP706TT. 5	1	-	2	2	3	2	2	3	1	3	2
BP706TT. 6	1	-	2	2	2	2	2	3	2	2	3
BP706TT. 7	1	-	1	2	1	2	2	3	1	2	2
BP706TT. 8	-	-	1	2	2	3	2	3	1	2	2
BP706TT. 9	-	-	2	2	2	2	2	3	2	3	2
BP706TT	1	-	1.78	2	2.44	2.44	2	3	1.67	2.56	2.33

(q)	Course name: Biostatistics and Research Methodology (Theory) (BP801TT) Sem of study: 8th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP801TT. 1	1	3	3	-	-	1	-	3	-	3	3
BP801TT. 2	1	3	3	-	-	3	-	3	-	3	3
BP801TT. 3	1	3	3	-	-	3	-	3	-	3	3
BP801TT	1	3	3	-	-	3	-	3	-	3	3

(r)	Course name: Social and Preventive Pharmacy (Theory) (BP802TT) Sem of study: 8th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP802TT. 1	3	2	-	-	-	-	-	-	-	-	-
BP802TT. 2	3	3	-	2	2	-	-	3	2	3	3
BP802TT. 3	3	3	3	3	3	-	-	2	3	3	3
BP802TT	3	2.66	3	2.5	2.5	-	-	2.5	2.5	3	3



(s)	Course name: Pharma Marketing Management (Theory) (BP803TT) Sem of study: 8th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP803TT. 1	1	3	3	3	2	2	2	3	3	1	2
BP803TT. 2	1	3	3	3	2	2	2	3	3	1	2
BP803TT. 3	1	3	3	3	2	2	2	3	3	1	2
BP803TT. 4	1	3	3	3	2	2	2	3	3	1	2
BP803TT	1	3	3	3	2	2	2	3	3	3	2

(t)	Course name: Pharmacovigilance (Theory) (BP805TT) Sem of study: 8th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP805TT. 1	3	-	-	-	2	3	-	2	2	-	2
BP805TT. 2	3	-	-	-	2	3	-	2	2	-	2
BP805TT. 3	3	-	-	-	2	3	-	2	2	-	2
BP805TT. 4	3	-	-	-	2	3	-	2	2	-	2
BP805TT	3	-	-	-	2	3	-	2	2	-	2

(u)	Course name: Advanced Instrumentation Techniques (Theory) (BP811TT) Sem of study: 8th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP811TT. 1	3	2	-	-	-	-	2	-	-	2	3
BP811TT. 2	3	1	-	-	-	-	2	-	-	3	3
BP811TT. 3	3	3	-	-	-	-	-	3	-	2	-
BP811TT. 4	3	1	-	-	-	-	2	-	-	3	3
BP811TT. 5	3	3	-	-	-	-	-	3	-	2	2
BP811TT	3	2	-	-	-	-	2	3	-	2.4	2.75

(v)	Course name: Project Work (Practical) (BP81PP) Sem of study: 8th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP813PP. 1	3	-	-	2	2	-	-	-	2	-	-
BP813PP. 2	3	-	-	2	2	-	-	-	2	-	-
BP813PP. 3	3	2	-	2	-	-	-	2	-	-	2
BP813PP. 4	3	3	3	2	-	-	-	3	-	3	3
BP813PP	3	2.66	3	2	2	0	0	2.66	2	3	2.66

(w)	Course name: Pharmaceutical Product Development (Theory) (BP814TT) Sem of study: 8th										
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP814TT. 1	3	3	3	2	2	3	3	3	1	3	3
BP814TT. 2	3	3	3	2	2	3	3	3	1	3	3
BP814TT. 3	3	3	3	2	2	3	3	3	1	3	3
BP814TT. 4	3	3	3	2	2	3	3	3	1	3	3
BP814TT	3	3	3	2	2	3	3	3	1	3	3



2.6.2

Subject wise COPO Attainment



Criterion 2

Criterion 2

Subject Wise COPO Attainment

Academic Year

2022-23

Subcode	SubjectName	Program Outcomes												% Attain
		1	2	3	4	5	6	7	8	9	10	11	Average	
BP101TP	Human Anatomy and Physiology I	3.97	2.98	3.31	3.31	2.65	2.65	1.98	1.76	2.65	3.08	1.98	2.76	91.8
BP101TP	Human Anatomy and Physiology I_Pra	4.03	3.03	3.36	3.36	2.69	2.69	2.02	1.79	2.69	3.13	2.02	2.80	93.4
BP102TP	Pharmaceutical Analysis I	2.94	2.94	2.94	1.96	0.98	1.96	-	2.94	-	1.96	-	2.33	77.5
BP102TP	Pharmaceutical Analysis I_Pra	3.04	3.04	3.04	2.03	1.02	2.03	-	3.04	-	2.03	-	2.41	80.3
BP103TP	Pharmaceutics I	0.96	2.87	-	2.87	2.87	2.87	1.91	2.39	2.87	-	-	2.45	81.6
BP103TP	Pharmaceutics I_Pra	0.91	2.72	-	2.72	2.72	2.72	1.82	2.27	2.72	-	-	2.33	77.5
BP104TP	Pharmaceutical Inorganic Chemistry	3.63	3.02	3.63	-	1.21	2.42	1.21	3.63	-	-	-	2.68	89.2
BP104TP	Pharmaceutical Inorganic Chemistry_Pra	3.83	3.19	3.83	-	1.28	2.55	1.28	3.83	-	-	-	2.83	94.2
BP105TP	Communication Skills	-	1.76	2.52	3.78	2.52	-	-	3.78	3.15	-	-	2.92	97.3
BP105TP	Communication Skills_Pra	-	1.73	2.47	3.70	2.47	-	-	3.70	3.09	-	-	2.86	95.3
BP106TP	Remedial Biology	3.46	-	-	-	3.46	-	2.31	-	-	2.31	3.46	3.00	100.0
BP106TP	Remedial Biology_Pra	3.46	-	-	-	3.46	-	2.31	-	-	2.31	3.46	3.00	100.0
BP107TT	Remedial Mathematics	-	-	1.96	-	3.49	-	-	-	-	3.92	1.74	2.78	92.5
BP201TP	Human Anatomy and Physiology II	3.72	2.73	3.10	3.10	1.86	2.23	1.86	1.65	2.23	2.79	1.98	2.48	82.5
BP201TP	Human Anatomy and Physiology II_Pra	3.80	2.79	3.17	3.17	1.90	2.28	1.90	1.68	2.28	2.85	2.03	2.53	84.3
BP202TP	Pharmaceutical Organic Chemistry I	3.34	3.16	3.34	-	-	1.91	2.23	3.34	-	1.12	-	2.63	87.8
BP202TP	Pharmaceutical Organic Chemistry I_Pra	3.42	3.22	3.42	-	-	1.95	2.28	3.42	-	1.14	-	2.69	89.7
BP203TP	Pharmaceutical Engineering	3.66	1.43	3.05	-	-	2.44	2.44	2.44	-	-	-	2.58	85.9
BP203TP	Pharmaceutical Engineering_Pra	3.57	1.39	2.98	-	-	2.38	2.38	2.38	-	-	-	2.51	83.8
BP204TP	Computer Applications in Pharmacy	2.57	-	3.86	-	-	2.57	2.57	-	2.57	3.86	2.57	2.94	97.9
BP204TP	Computer Applications in Pharmacy_Pra	2.61	-	3.92	-	-	2.61	2.61	-	2.61	3.92	2.61	2.99	99.5
BP205TT	Environmental Sciences	-	2.80	3.37	-	-	1.68	3.37	-	3.37	-	-	2.92	97.2



Criterion 2

BP301TP	Pharmaceutical Organic Chemistry II	3.34	3.34	2.22	-	2.22	2.22	2.22	3.34	-	3.34	-	2.78	92.6
BP301TP	Pharmaceutical Organic Chemistry II_Pra	3.36	3.36	2.24	-	2.24	2.24	2.24	3.36	-	3.36	-	2.80	93.4
BP302TP	Physical Pharmaceutics I	3.59	3.59	2.39	2.39	2.39	-	2.39	3.59	-	-	2.39	2.84	94.7
BP302TP	Physical Pharmaceutics I_Pra	3.64	3.64	2.42	2.42	2.42	-	2.42	3.64	-	-	2.42	2.88	96.0
BP303TP	Biochemistry	2.59	3.04	3.04	-	2.70	2.70	2.17	2.84	2.46	2.03	-	2.62	87.3
BP303TP	Biochemistry_Pra	2.68	3.14	3.14	-	2.79	2.79	2.24	2.93	2.54	2.09	-	2.70	90.1
BP304TT	Pathophysiology	4.02	-	-	2.68	2.68	2.68	-	1.34	1.34	-	2.68	2.49	83.0
BP305TP	Pharmacognosy and Phytochemistry I	2.96	2.96	2.37	2.37	2.66	2.96	2.37	2.66	1.98	2.37	2.66	2.58	85.8
BP305TP	Pharmacognosy and Phytochemistry I_Pra	2.97	2.97	2.38	2.38	2.67	2.97	2.38	2.67	1.98	2.38	2.67	2.58	86.1
BP401TT	Pharmaceutical Organic Chemistry III	3.25	3.25	-	-	-	2.53	2.17	-	-	2.17	2.17	2.59	86.3
BP402TP	Medicinal Chemistry I	3.51	3.27	3.51	2.92	1.75	2.65	2.34	2.54	-	2.34	2.72	2.76	91.9
BP402TP	Medicinal Chemistry I_Pra	3.64	3.39	3.64	3.03	1.82	2.75	2.42	2.63	-	2.42	2.82	2.86	95.2
BP403TP	Physical Pharmaceutics II	3.46	3.46	2.31	2.31	2.31	-	2.31	3.46	-	-	2.31	2.74	91.2
BP403TP	Physical Pharmaceutics II_Pra	3.38	3.38	2.26	2.26	2.26	-	2.26	3.38	-	-	2.26	2.68	89.3
BP404TP	Pharmacology I	4.26	3.04	3.04	1.52	3.04	3.04	1.52	1.52	2.74	1.52	2.74	2.55	84.9
BP404TP	Pharmacology I_Pra	4.46	3.19	3.19	1.59	3.19	3.19	1.59	1.59	2.87	1.59	2.87	2.67	88.9
BP405TT	Pharmaceutical Jurisprudence	-	-	-	2.74	2.74	2.74	-	2.74	0.92	-	1.83	2.29	76.2
BP501TT	Medicinal Chemistry II	2.76	-	-	-	1.61	2.76	-	2.30	-	-	2.30	2.35	78.3
BP502TP	Pharmacology II	3.03	3.03	3.03	3.03	3.03	2.52	1.01	2.78	2.52	2.02	2.02	2.55	84.9
BP502TP	Pharmacology II_Pra	3.04	3.04	3.04	3.04	3.04	2.53	1.01	2.79	2.53	2.03	2.03	2.56	85.2
BP503TP	Pharmacognosy and Phytochemistry II	3.10	3.10	2.48	2.48	2.79	3.10	2.48	2.79	2.07	2.48	2.79	2.69	89.8
BP503TP	Pharmacognosy and Phytochemistry II_Pra	3.14	3.14	2.51	2.51	2.83	3.14	2.51	2.83	2.10	2.51	2.83	2.73	91.0
BP504TP	Pharmaceutical Microbiology	3.41	3.41	2.27	2.27	2.27	2.27	3.41	2.27	2.27	2.27	2.27	2.58	86.1
BP504TP	Pharmaceutical Microbiology_Pra	3.46	3.46	2.31	2.31	2.31	2.31	3.46	2.31	2.31	2.31	2.31	2.62	87.4
BP505TT	Pharmaceutical Biotechnology	2.45	1.63	2.45	1.63	1.63	2.45	2.45	1.63	1.63	2.45	2.45	2.08	69.3
BP506TP	Contributor Personality Development Program	-	2.90	-	4.35	2.90	2.90	1.45	2.90	2.42	-	-	2.83	94.4
BP506TP	Contributor Personality Development Program_Pra	-	3.00	-	4.49	3.00	3.00	1.50	3.00	2.50	-	-	2.93	97.5



Criterion 2

BP507TP	Integrated Personality Development Course	-	3.90	3.25	2.86	2.60	2.60	-	3.47	2.60	-	1.95	2.91	96.8
BP507TP	Integrated Personality Development Course_Pra	-	3.96	3.30	2.90	2.64	2.64	-	3.52	2.64	-	1.98	2.95	98.2
BP601TP	Medicinal Chemistry III	3.14	3.33	2.22	2.77	2.41	2.77	-	2.59	2.22	2.89	3.33	2.77	92.2
BP601TP	Medicinal Chemistry III_Pra	3.20	3.39	2.26	2.83	2.45	2.83	-	2.63	2.26	2.94	3.39	2.82	93.9
BP602TP	Pharmacology III	5.14	3.43	-	-	3.43	1.72	1.72	1.72	2.86	1.72	3.43	2.80	93.2
BP602TP	Pharmacology III_Pra	5.20	3.46	-	-	3.46	1.73	1.73	1.73	2.89	1.73	3.46	2.82	94.1
BP603TP	Herbal Drug Technology	3.86	2.85	2.44	3.46	1.84	3.46	3.27	2.65	2.85	3.05	2.24	2.91	96.9
BP603TP	Herbal Drug Technology_Pra	3.89	2.87	2.45	3.49	1.85	3.49	3.28	2.67	2.87	3.07	2.25	2.92	97.5
BP604TT	Biopharmaceutics and Pharmacokinetics	2.92	2.92	2.92	0.97	0.97	2.92	2.92	2.92	1.94	2.92	2.92	2.47	82.4
BP605TP	Industrial Pharmacy I	2.90	2.90	2.90	1.93	1.93	2.90	2.90	2.90	0.97	2.90	2.90	2.55	85.0
BP605TP	Industrial Pharmacy I_Pra	2.86	2.86	2.86	1.91	1.91	2.86	2.86	2.86	0.95	2.86	2.86	2.51	83.7
BP701TP	Instrumental Methods of Analysis	3.15	2.84	3.15	2.10	-	2.10	2.10	2.10	-	3.00	2.40	2.55	84.9
BP701TP	Instrumental Methods of Analysis_Pra	3.26	2.95	3.26	2.18	-	2.18	2.18	2.18	-	3.11	2.49	2.64	88.1
BP702TT	Industrial Pharmacy II	2.26	2.26	2.26	1.51	1.51	2.26	2.26	2.26	0.75	2.26	2.26	1.99	66.3
BP703TT	Pharmacy Practice	2.91	-	1.94	-	1.94	-	-	1.94	2.91	-	1.94	2.26	75.4
BP704TT	Novel Drug Delivery System	2.23	2.23	2.23	1.49	1.49	2.23	2.23	2.23	0.74	2.23	2.23	1.96	65.2
BP705PP	Practice School_Pra	3.60	3.60	3.60	2.40	2.40	2.40	2.40	3.60	-	3.60	2.40	3.00	99.9
BP706TT	Quality Assurance	0.97	-	1.73	1.95	2.38	2.38	1.95	2.92	1.63	2.49	2.27	2.07	68.9
BP801TT	Biostatistics and Research Methodology	0.89	2.68	2.68	-	-	2.08	-	2.68	-	2.68	2.68	2.34	77.9
BP802TT	Social and Preventive Pharmacy	2.61	2.32	2.61	2.18	2.18	-	-	2.18	2.18	2.61	2.61	2.39	79.5
BP803TT	Pharma Marketing Management	0.95	2.86	2.86	2.86	1.90	1.90	1.90	2.86	2.86	0.95	1.90	2.16	72.1
BP811TT	Advanced Instrumentation Techniques	2.94	1.96	-	-	-	-	1.96	2.94	-	2.35	2.70	2.48	82.6
BP813PP	Project Work_Pra	3.60	3.00	3.60	2.40	2.40	-	-	3.00	2.40	3.60	3.00	3.00	99.9
BP814TT	Pharmaceutical Product Development	2.45	2.45	2.45	1.63	1.63	2.45	2.45	2.45	0.82	2.45	2.45	2.15	71.7



2.6.2
COPO Attainment Summary
(2020-21)



COPPO Attainment Summary

2022-23:

For B.Pharm program,

Highly attainable PO from theory and practical subjects (direct attainment) is PO1 and PO2 consecutively. Attainment assessed through feedbacks and surveys (indirect) combined with direct methods is high in PO1, 2, 3, 5, 6, 8 and 10.

In terms of level, the values varied from 2 to 3. This range falls between the awards of first class and distinction.

This level forms the basis of attainment against which the achieved attainment is analyzed.

About 67 courses out of 73 courses obtained the POs to the tune for more than 75% (>2.5 level) and remaining 06 courses attain POs to the tune of 70% (2-2.4 level).