



Self-Assessment Report 2022
Submitted to
**National Board of Accreditation
(NBA), New Delhi**

**For Undergraduate Pharmacy Program
(B.Pharmacy)**



Submitted by
**AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY**
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

www.copbela.org



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**National Board of Accreditation
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By



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**AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)
BELA (Ropar) Punjab 140 111**

**Approved by AICTE & PCI, Recognized by UGC (u/s 2f)
Affiliated to IKG Punjab Technical University, Jalandhar
Ranked 56th - NIRF 2022 (Pharmacy)**

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About College

Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy, (AN AUTONOMOUS COLLEGE) BELA, (**COP-BELA**) Ropar is one of the premier college of northern region. The college has been established in 1993 by a non-profitable society in the memory of Sahibzadas Ajit Singh Ji and Jujhar Singh Ji, the elder sons & the true disciples of Guru Gobind Singh Ji, who laid their lives fighting the cause of religion, peace and independence at their tender age.



Sahibzadas Ajit Singh Ji and Jujhar Singh Ji

The college has made a steady progress during last three decades. The various courses Diploma in Pharmacy, Bachelor in Pharmacy, and Master in Pharmacy [Pharmaceutics, Pharmaceutical Chemistry, and Pharmacology] are successfully run in the campus. The college is affiliated with IKG Punjab Technical University, Jalandhar and also declared as a center for Ph. D. in Pharmaceutical Sciences. Apart of NBA accreditation, recognized under UGC 2(f) act, it occupies 56th place in NIRF-2022 ranking and come under Platinum Category by AICTE-CII 2018, 2019, 2020 and 2021 Survey. The institute provides its learning community state-of-the-art facilities, excellent infrastructure and competent faculty members. The Institute encourages collaboration with industry as the means of reinforcing its curriculum with practical and real-world exposure. The college visualizes of becoming a world class, premier Institution for quality pharmaceutical education and research, to develop and prepare professionals to meet the challenges of fast developing pharmaceutical technologies.



UG-Pharmacy



56th in 2022



AICTE-CII: Platinum Category



ISO Certified



Autonomous College

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PART A: INSTITUTIONAL INFORMATION**1 Name and Address of the Institution**

Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy, BELA

VPO- BELA Distt- Ropar State- Punjab Pin 140 111

2 Name and Address of Affiliating University:

IKG- Punjab Technical University Jalandhar

3 Year of establishment of the Institution:

2000

4 Type of the Institution:

<input type="radio"/> University	<input type="radio"/> Affiliated
<input type="radio"/> Deemed University	<input type="radio"/> Any other(Please Specify)
<input checked="" type="radio"/> Autonomous	

5 Ownership Status:

<input type="radio"/> Central Government	<input type="checkbox"/> Trust
<input type="radio"/> State Government	<input checked="" type="checkbox"/> Society
<input type="radio"/> Grant In Aided	<input type="checkbox"/> Section 25 Company
<input checked="" type="radio"/> Self financing	<input type="checkbox"/> Any Other(Please Specify)

6 Other Academic Institutions of the Trust/Society/etc., if any

Name of Institutions	Year of Establishm ent	Programs of Study	Location
Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College	1975	UG and PG Courses in Humanities, Sciences, Commerce, Computers, Biotechnology etc.	BELA

7 Details of all the programs being offered by the Institution under consideration:

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
B.Pharmacy	UG	2000	2000	40	Yes	100	Granted accreditation for 3 years for the period (specify period)	2017	2022	Yes	4
Sanctioned Intake for Last Five Years for the B.Pharmacy											
Academic Year	Sanctioned Intake										
2021-22	100										
2020-21	60										
2019-20	60										
2018-19	60										
2017-18	60										
2016-17	60										
M. Pharmacy (Pharmaceutics)	PG	2006	2006	10	Yes	15	Eligible but not applied	--	--	No	2
M. Pharmacy (Pharmaceutical Chemistry)	PG	2007	2007	15	No	15	Eligible but not applied	--	--	No	2
M. Pharmacy (Pharmacology)	PG	2008	2008	10	Yes	9	Eligible but not applied	--	--	No	2

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Pharmacy	Pharmacy

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	2021-22		2020-21		2019-20	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Pharmacy (Male)	8	8	0	12	8	8
Faculty in Pharmacy (Female)	20	22	18	21	21	22
Faculty in Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Science & Humanities (Female)	4	4	4	4	3	3
Non-teaching staff (Male)	30	30	31	31	31	31
Non-teaching staff (Female)	9	9	9	9	9	9

B. Contractual* Employees (Faculty and Staff):

Items	2021-22		2020-21		2019-20	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Pharmacy (Male)	0	0	0	0	0	0
Faculty in Pharmacy (Female)	0	0	0	0	0	0
Faculty in Science & Humanities (Male)	0	0	0	0	0	0
Faculty in Science & Humanities (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0

10 Total number of Pharmacy students:

UG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
PG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2

UG Shift-1

Total number of Pharmacy students	2021-22	2020-21	2019-20
Total No. of Boys	160	118	111
Total No. of Girls	114	112	109
Total	274	230	220

PG Shift-1

Total number of Pharmacy students	2021-22	2020-21	2019-20
Total No. of Boys	25	26	21
Total No. of Girls	37	28	35
Total	62	54	56

11 Vision of the Institution:

To provide quality education and training to students to make them able to face emerging challenge of globalized technology, competitiveness and entrepreneurship.

12 Mission of the Institution:

To develop as a center of excellence in pharmaceutical education integrating scientific and modern concepts of technical knowledge with basic human ethics and values.

13 Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Dr. Shailesh Sharma
Designation	Director
Mobile No.	9888775589
Email ID	shailesh.bela@gmail.com

NBA Coordinator, If Designated

Name	Dr. Shailesh Sharma
Designation	Director
Mobile No.	9888775589
Email ID	shailesh.bela@gmail.com

PART B: CRITERION SUMMARY

Criterion No.	Criterion	Total Marks	Institute Marks	Percentage
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	48.65	97.00%
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	150	148.00	98.66%
3	COURSE OUTCOMES (COS) AND PROGRAM OUTCOMES (POS)	100	98.00	98.00%
4	STUDENTS' PERFORMANCE	180	142.39	79.10%
5	FACULTY INFORMATION AND CONTRIBUTIONS	175	162.70	92.97%
6	FACILITIES	120	119.25	99.37%
7	CONTINUOUS IMPROVEMENT	75	72.92	97.22%
8	STUDENT SUPPORT SYSTEMS	50	49.00	98.00%
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	100	99.25	99.25%
Total		1000	940	94.00%



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -01 Vision, Mission and Program Educational Objectives



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

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CRITERION 1	Vision, Mission and Program Educational Objectives	50
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1. Vision, Mission and Program Educational Objectives (50)

1.1 State the Vision and Mission (5)

VISION

- To provide quality education and training to students to make them able to face emerging challenges of globalized technology, competitiveness and entrepreneurship.

MISION (UG-Pharmacy)

- M1. Providing a strong theoretical and practical knowledge of the pharmaceutical sciences
- M2. Imparting the skills necessary to continue education to grow professional.
- M3. Inculcating professional behavior, strong ethical values, innovative research capabilities and leadership abilities.

1.2 State the Program Educational Objectives (PEOs) (5)

Program educational objectives are the broad statements that describe the career and professional accomplishments that the program is preparing graduates to achieve.

PEO 1

•**Commitment:** Pharmacy is a profession that is committed to serving patients. Pharmacists are trusted by the society to consider the welfare of humanity and are expected to maintain the highest principles of moral, ethical and legal conduct at all times.

PEO 2

•**Learning:** To prepare the students to be life-long learners and groom them as professional leaders with strong, analytical, integrity and excellence so as to be successful and to satisfy these needs on an ongoing basis.

PEO 3

•**Leadership:** Developing leadership behaviors' as an integral element of pharmacists and we prepare the students to become pharmacist and pharmaceutical scientists who will be leaders in the pharmacy profession.

PEO 4

•**Expertise:** Pharmacists are medication experts and play a critical role in helping people get the best results from their medications, Pharmacists prepare and dispense prescriptions, ensure medicines and dose are correct, counsel patients on the safe and appropriate use of their medications.

PEO 5

•**Teamwork:** To raise and nurture our students through innovative solution based learning and inter professional collaboration and teamwork in a constructive way to ensure that each citizen has access to good health care.

1.3 Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders (15)

The Vision, Mission and PEOs are published and disseminated among stakeholders to

Internal Stakeholders

- Management
- Governing Bodies
- Faculty
- Supporting Staff
- Students

External Stakeholder

- Employer
- Industry
- Funding Agencies
- Alumni
- Eminent Visitors
- Parents

Published Material

- Practical Records
- Academic Calendars
- Syllabus
- Pamphlets
- Seminar/Conference Brochures
- Claendar
- File Covers
- Invitations
- Admission Brochure
- News Letter

Online Material

- Website
- Emails
- Notice Boards
- All Applications

Infrastructure

- Management Room
- Director's Chamber
- Faculty Rooms
- Library
- Canteen
- Common Rooms
- Computer Lab
- Class Room
- Seminar Room
- Corridors
- Meeting Rooms
- Office

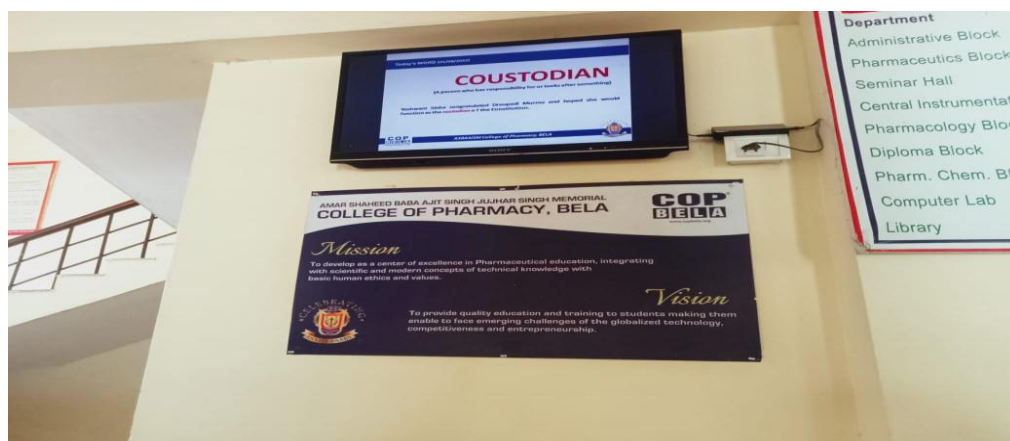
CLASSROOMS



STORE ROOM



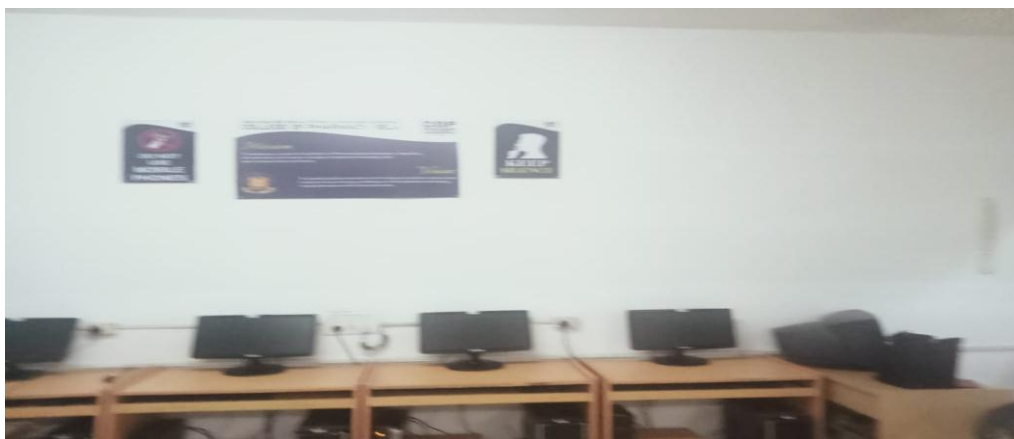
NEAR DIGITAL NOTICE BOARD



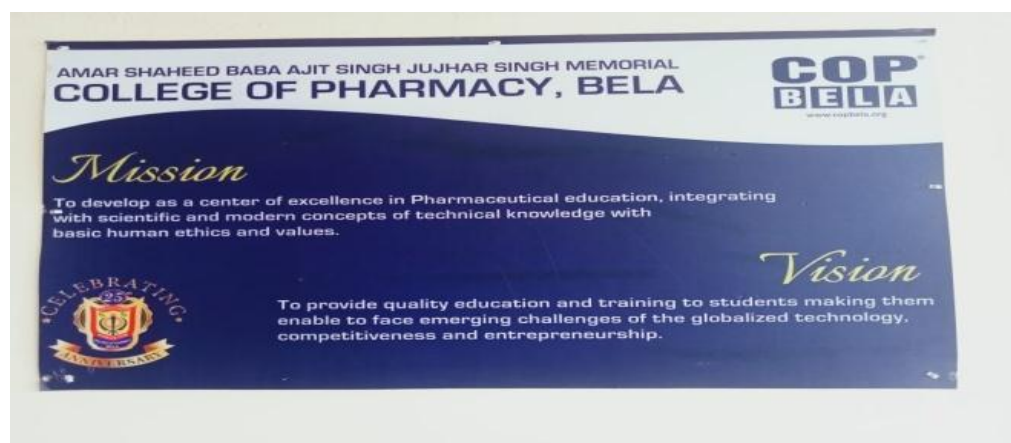
LIBRARY



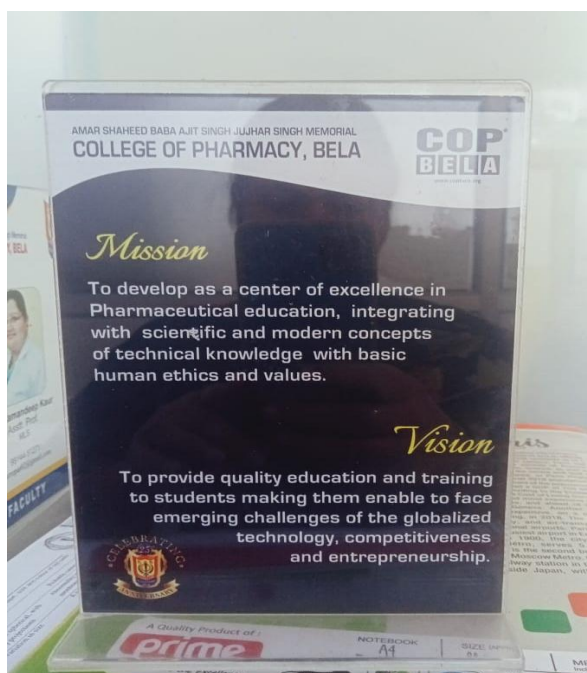
COMPUTER LAB



ADMISSION CELL



FACULTY TABLE AS A PHOTO FRAME



ALL COORIDORS



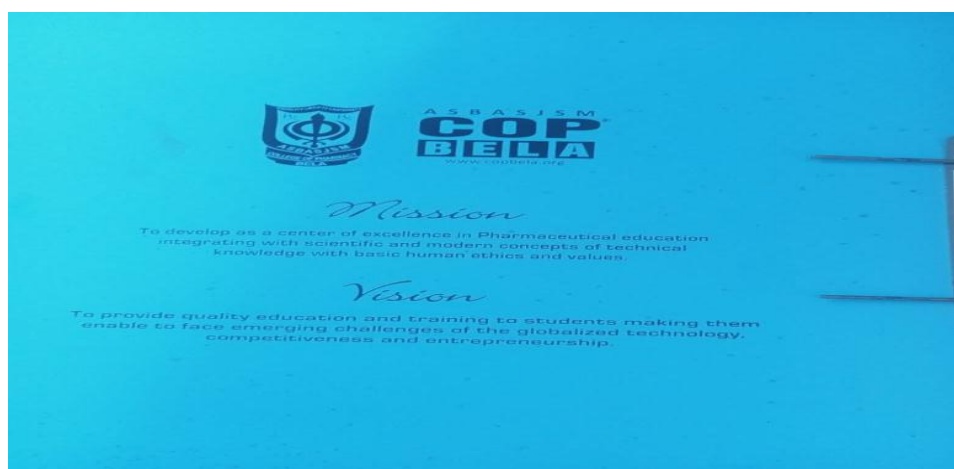
STAFF ROOMS





OUTSIDE AND INSIDE DIRECTOR'S CHAMBER



COURSE FILES (THEORY & PRACTICALS)



STUDENT TEACHER GURADIAN BOOKLETS


Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial
COLLEGE OF PHARMACY, BELA
 Ropar (Punjab)
 

001265

Student Parent Guardian Scheme

Name:	Jasandeep Kaur
Roll No.:	21152054
Course:	B-Pharm
Year of Admission:	2021
Teacher Guardian:	Ms. Meen

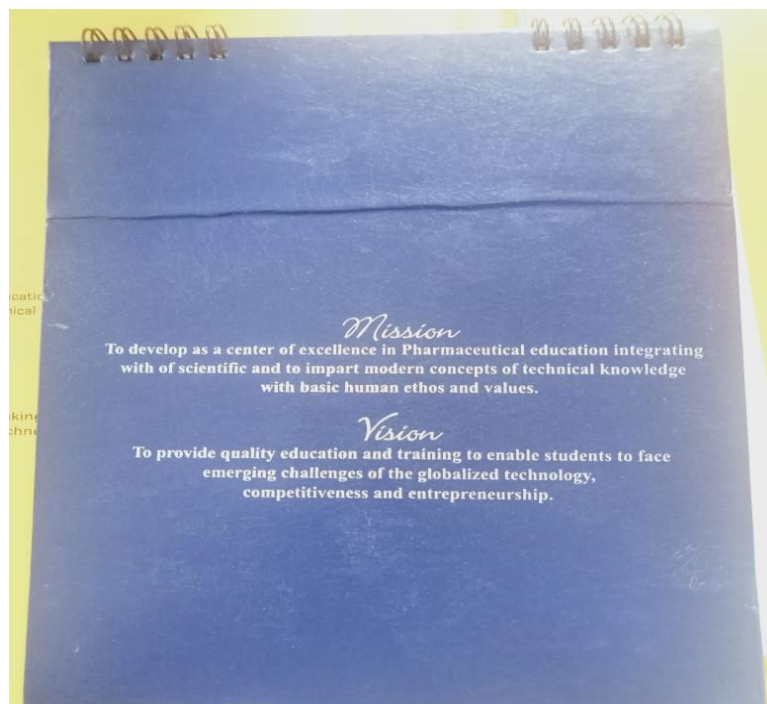
Mission

To develop as a center of excellence in Pharmaceutical education integrating with scientific and modern concepts of technical knowledge with basic human ethos and values.

Vision

To provide quality education and training to students making them able to face emerging challenges of the globalized technology, competitiveness and entrepreneurship.

CALENDERS



SEMINAR ROOMS



BROCHURES AND PAMPHLETS

INSTITUTE HIGHLIGHTS

- Non-Profitable organization and charitable trust
- Result oriented quality education and training
- Effective Student-Teacher-Guardian interaction
- Transport facility from all corners of neighboring cities
- Conference/seminars/workshop organized for multifaceted development of students
- Early bird scheme-discount Rs. 10,000/-
- State-of-the-art Research Facilities
- Book Bank upto Final Year-FREE

PLACEMENTS 2012
Industry, R&D, QC/QA, Academics, Marketing

Ph.D. 5-6 Lac p.a.
M.Pharm. 3-4 Lac p.a.
B.Pharm. 1.5-2 Lac p.a.

VISION
To provide quality education and training to our students to face emerging challenges of the globalized technology, competitiveness and entrepreneurship.

MISSION
To develop as a center of excellence in Pharmaceutical education with scientific, integrating modern concept, technical knowledge imparting basic human ethos and values.

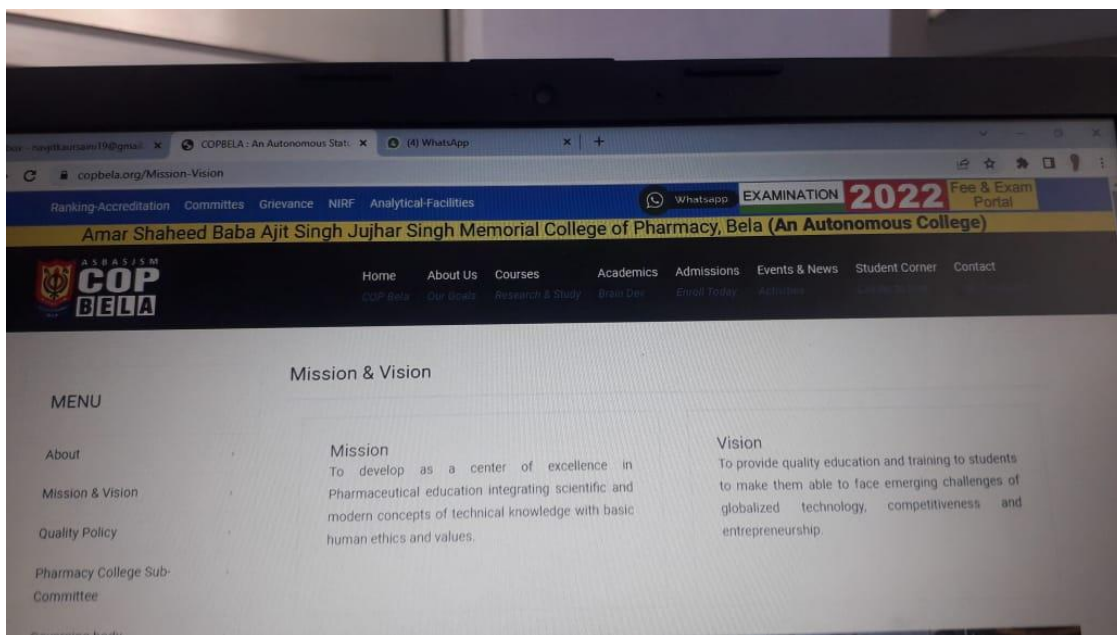
SCHOLARSHIPS & CONCESSIONS IN TUITION FEE

- Merit holder students
- Brother Sister study in our institute
- Student whose parents not alive
- Fatherless students
- Physically disabled students
- Sports Person

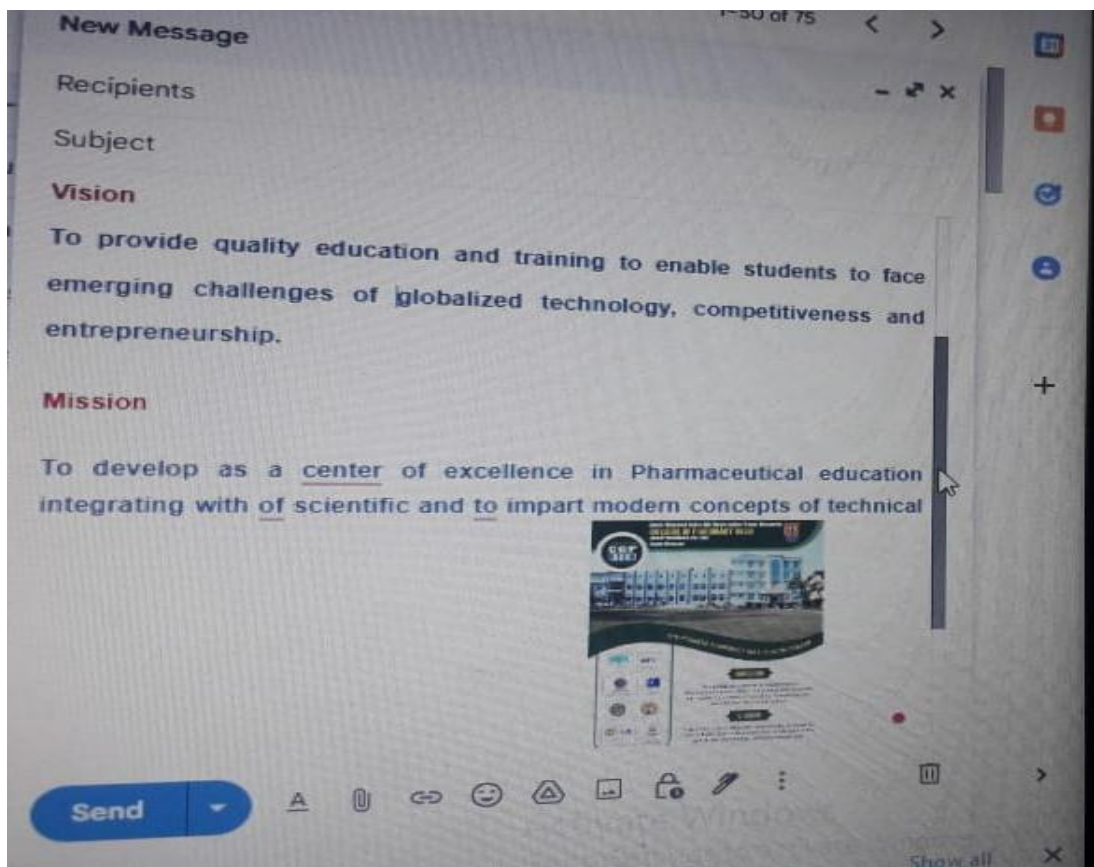
* Freeship Scheme :
SC/ST Candidates on Merit/First-cum-First Basis

ASBASJSM COLLEGE OF PHARMACY, BELA (ROPAR)
01881 263108, 263908, 98887-75589, 95305-52121, 94176-53257
visit us at : www.copbela.org, e-mail : copbela@rediffmail.com

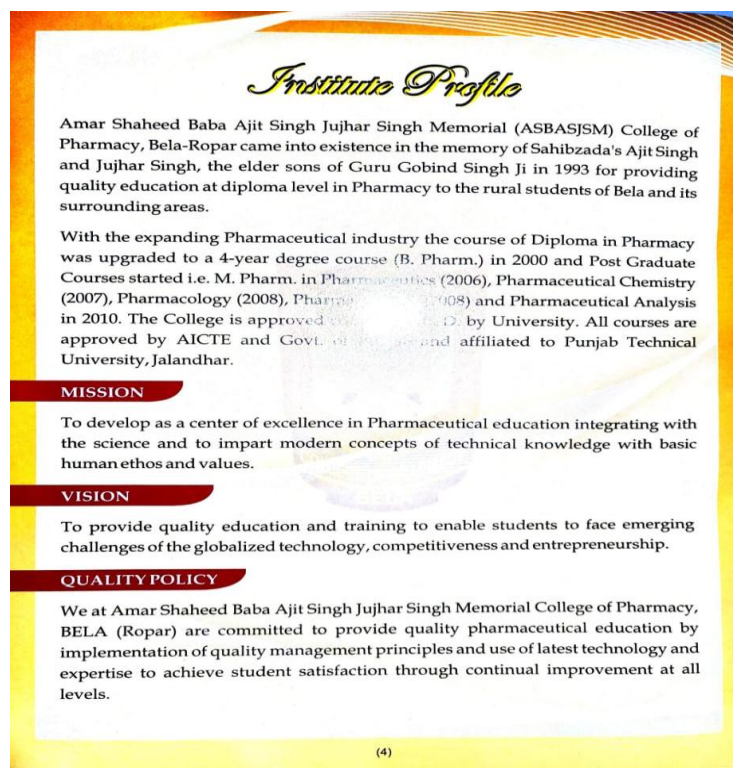
COLLEGE WEBSITE



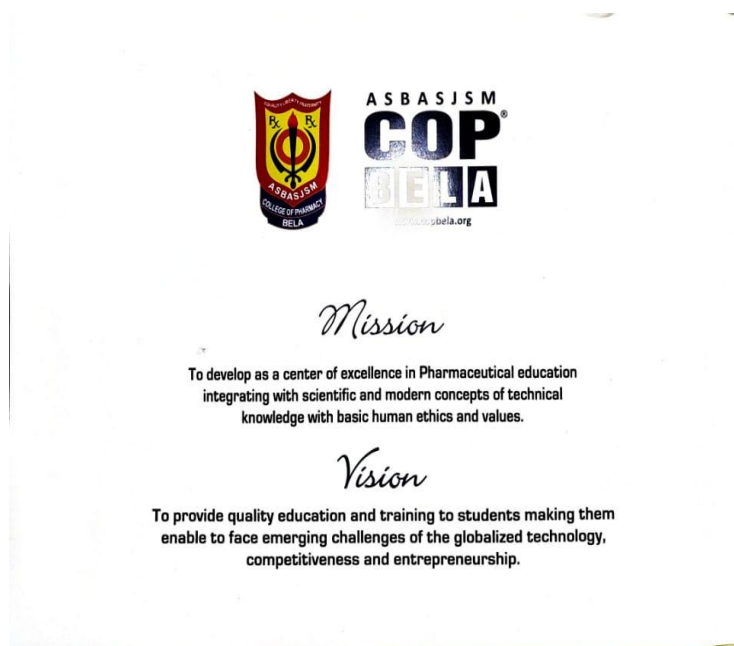
ON FACULTY EMAIL ADDRESS



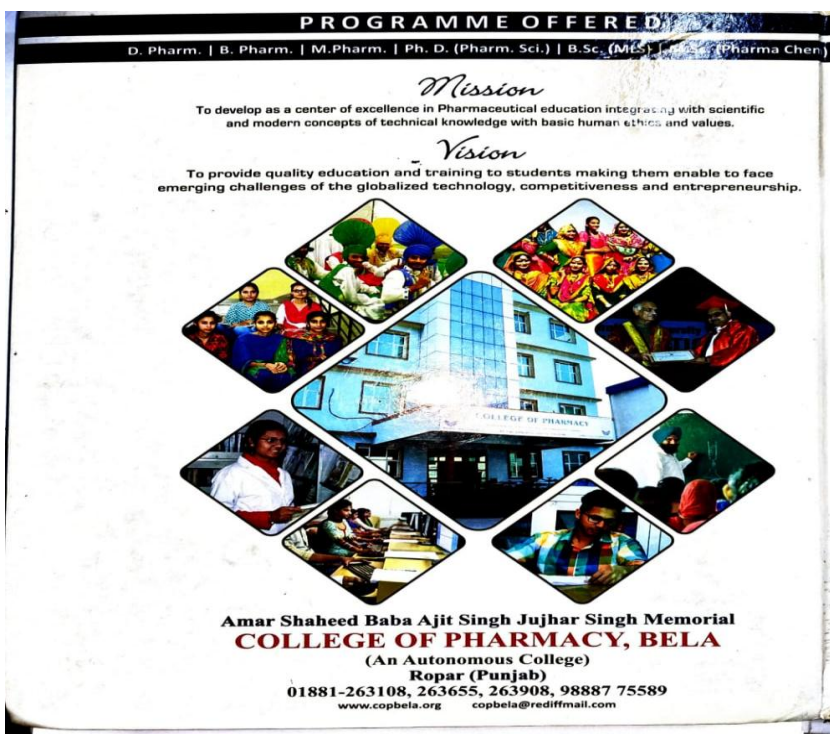
In Admission Information Brochure



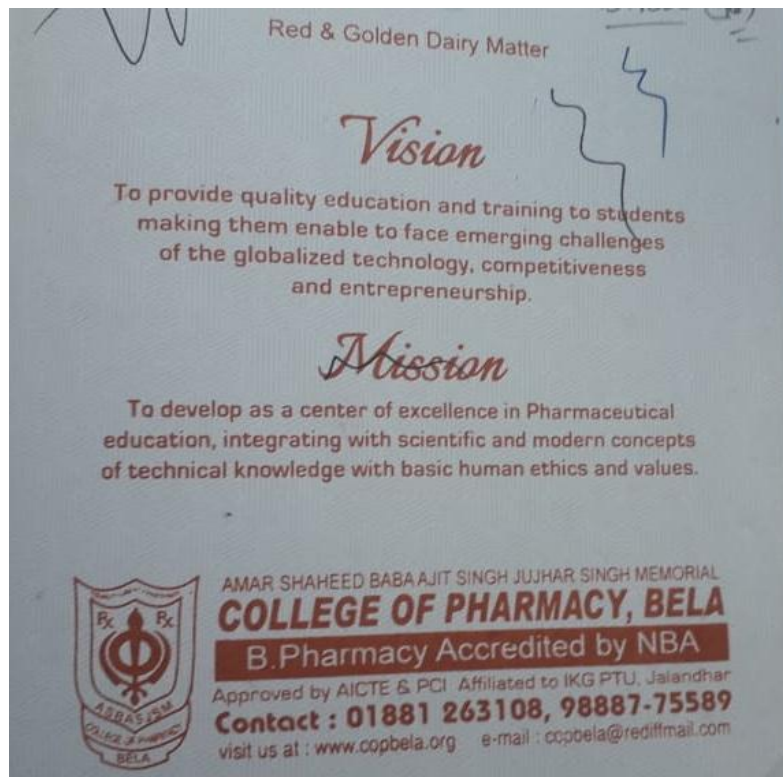
Degree Folder



Practical File



FACULTY DIARIES



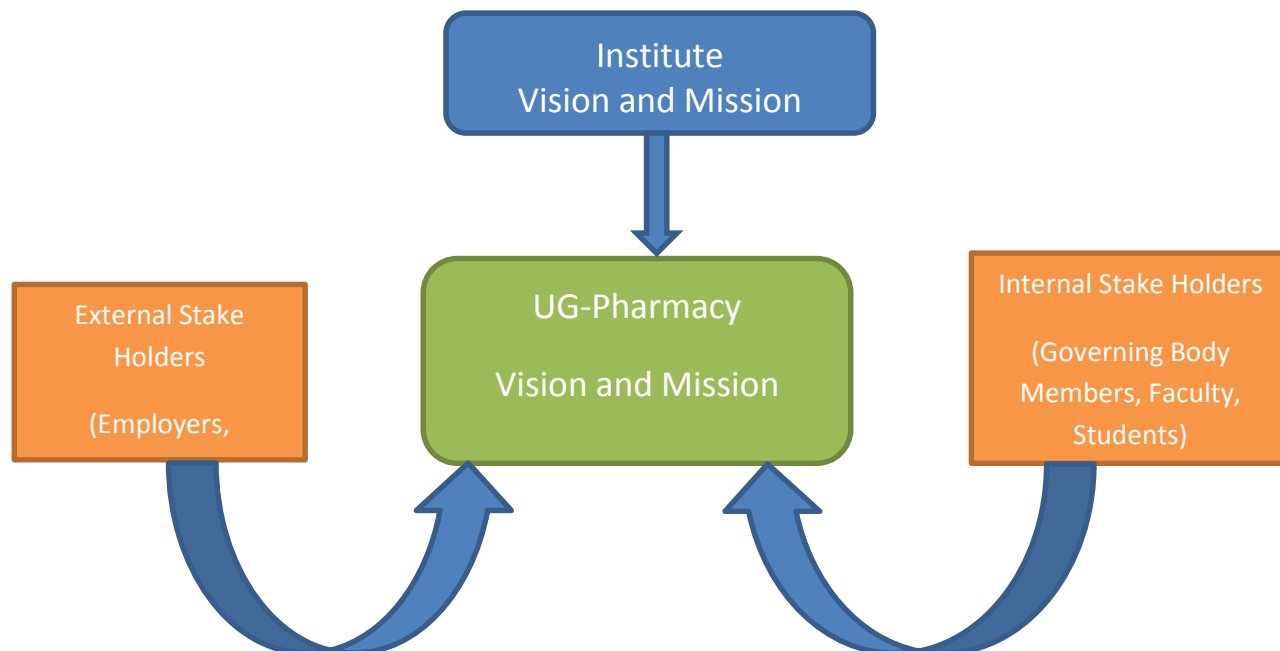
1.4 State the process for defining the Vision & Mission and PEOs of the program (10)

The vision and mission of the department and the PEOs of the program are defined by taking the views of various stakeholders associated with the Institute/Department, latest developments, future scope and needs of the society.

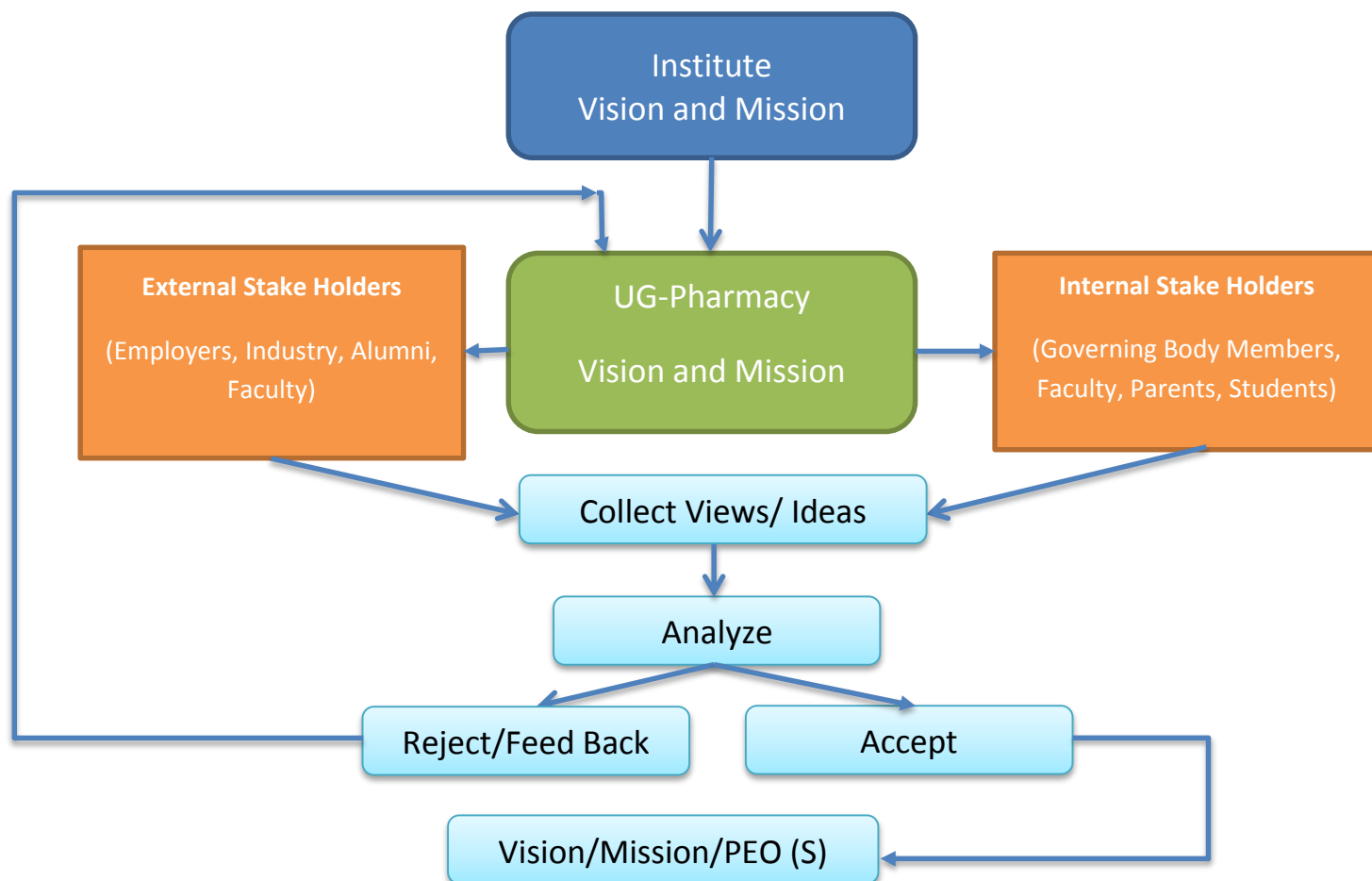
Process for Defining Vision and Mission of the UG-Pharmacy:



A Committee at Institute-faculty-department level is formed for identification, implementation and review of Vision and Mission statements in consistency with the vision and mission statements of the institute. Vision and Mission and PEOs committee is formed to advice in various matters. In departmental meetings, departmental Vision and Mission statements are reviewed by specifically considering the latest trends, industry demand etc. The proposed Vision and Mission statements are also circulated to the Alumni, Employer, Faculty and Parents and their feedback is taken. After taking into consideration of the feedback received, the Program Advisory Committee prepare draft Vision and Mission statements which are discussed and brainstormed in a meeting consisting of the entire faculty. The statements are then finalized.



Flow Chart of Defining Vision and Mission of UG- Pharmacy



Flow Chart of Defining Vision/Mission/PEO of UG- Pharmacy



	Process for defining Vision, Mission and PEOs of the Program		 <small>www.copbela.org</small>	
Purpose : To establish a process for defining the Vision, Mission and PEOs of the program.				
Objective : To involve stakeholders for drafting Vision, Mission and PEOs of the college.				
Process Owner : Chairman- Coordination Committee.				
Process Involved	Primary Inputs		Process Outputs	
Defining the Vision, Mission and PEOs of the program.	1. Drafting of Vision, Mission and PEOs of the program in Advisory Committee meeting. 2. Invite suggestions from stakeholders on Vision, Mission and PEOs of the program. 3. The Vision, Mission and PEOs of the program are redefined and framed on the basis of suggestion received from stakeholders. 4. Final statements of Vision, Mission and PEOs are published and disseminate through various means.		To ensure the incorporation of all valuable suggestions in Vision, Mission and PEOs statements.	
Input	Process / Activity Sequence	Resp. / Interaction	Control Docs. / Check Point	Out put
Vision, Mission and PEOs statements	Suggestions on Vision and Mission are invited in staff council meeting and forwarded to coordination committee.	NBA Coordinator	Analysis of suggestions obtained from stakeholders through Feed Back Form.	Awareness among all internal and external stakeholders
	Co-ordination committee propose the revised Vision and Mission statements.			
	Advisory committee review and approve the Vision statement submitted by the Co-ordination Committee and suggest the attributes for the drafting of PEOs.			
	Suggestions are invited on drafted Mission and PEOs statements from different stakeholders.			
	Coordination committee draft the PEOs statements on the basis of suggestions given by Advisory committee and stakeholders.			
	Advisory committee review and finalize the Mission and PEOs statement.			
	Approved Vision, Mission and PEOs statement are published and disseminated by different ways.			
*Major Check Points				
Process Effectiveness Measures :- 100% awareness among stakeholders				
Records	Retention Period		Responsibility	
Feed back from Stakeholders	Till next revision		Co-ordination Committee	

	Process for Dissemination of Vision, Mission and PEOs of the Program			
Purpose : To establish a process for dissemination of Vision, Mission and PEOs to internal and external stakeholders and evaluate effectiveness.				
Objective : To ensure awareness among all stakeholders.				
Process Owner : Chairman- Coordination Committee.				
Previous Process	Primary Inputs		Process Outputs	
Dissemination through Hard copy and Soft Copy	1. Admission brochure, Souvenir of National Conference, Identity card of staff members and students, College report read by the Principal at different occasions like Induction Program, Pharmacy Week, Convocation, Alumni Meet etc. 2. College website. www.copbela.org, College Newsletter . 3. Placing flex at suitable places in college campus and surrounding area.		Ensure dissemination among all stakeholders	
Input	Process / Activity Sequence	Resp. / Interaction	Control Docs. / Check Point	Output
Vision, Mission and PEOs statements	Vision, Mission and PEOs statements are incorporated in Admission Brochure, Website, T&P Brochure, Magazine and Flex in college campus Feedback based on Vision, Mission and PEOs are collected from Stakeholders to analyze extent of awareness among them	NBA Coordinator	Filled Feed back form with analysis report, Hits on website, Detail of Admission brochure sold, T&P Brochure sent to the companies	Awareness among all internal and external stakeholders
*Major Check Points				
Process Effectiveness Measures :- 100% awareness among stakeholders				
Records		Retention Period	Responsibility	
Dissemination File		Till next revision	Co-ordination Committee	

1.5 Establish consistency of PEOs with Mission of the Institute (15)**Justification of Mapping of PEO and Mission Statements**

PEO Statement	Justification and Rationale
PEO1: Commitment	Pharmacy graduates have strong theoretical and practical knowledge of Pharmaceutical sciences provides commitment to work ahead, So M1 and M2 are mapped High and M3 is mapped Medium.
PEO2: Learning	Pharmacy graduates will accomplish good knowledge along with practical efficiency to solve the problems related with drug formulations, So M1 is mapped High, M2 is mapped Medium and M3 is mapped Low
PEO3: Leadership	With the knowledge of pharmaceutical sciences the student learn to keep pace with the advances in technology which gives leadership skills to the students, So M3 is mapped high and M1, M2 is mapped medium.
PEO4: Expertise	Graduate Students will have strong knowledge of Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy as per the requirement of public health sector and Industry they are to be expertise of the job role, So M1 and M2 are highly mapped and M3 is mapped Medium.
PEO5: Teamwork	Knowledge of Pharmaceutical sciences and acquired skills in students have demonstrate the ability to lead and productivity to participate in group situations and lead to results in Teamwork. So, M3 is mapped Highly, M1 is mapped Medium and M2 is mapped Low.

Statement	M1	M2	M3
PEO1: Commitment	3	3	2
PEO2: Learning	3	2	1
PEO3: Leadership	2	2	3
PEO4: Expertise	3	3	2
PEO5: Teamwork	2	1	3

1: Slight (Low)**2: Moderate (Medium)****3: Substantial (High)****"-no correlation"**

Self-Assessment for Criterion 01

S.No.	Assessment Parameters	Marks	
		Prescribed	Institute
1	Vision, Mission and Program Educational Objectives	50	48.65
1.1	State the Vision and Mission	05	05
1.2	State the Program Educational Objectives (PEOs)	05	05
1.3	Indicate where and how the Vision, Mission and PEOs are published and disseminated among stakeholders	15	15
1.4	State the process for defining the Vision and Mission and PEOs	10	9.50
1.5	Establish consistency of PEOs with Mission of the Institute	15	14.15
	Total Marks	50	48.65
	Percentage	97.30%	



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -02

Program Curriculum and Teaching - Learning Processes



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

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CRITERION 2	Program Curriculum and Teaching –Learning Processes	150
-------------	---	-----

2. Program Curriculum and Teaching-Learning Processes (150)

2.1 Program Curriculum (40)

2.1.1 Delivery of Syllabus Contents and compliance of the curriculum for attainment of POs (10)

Our Institute is affiliated to the IKG Punjab Technical University, Punjab; hence we are following the syllabus about the theory course and laboratory experiments of B. Pharmacy and M. Pharmacy Program that is framed by the university as per the guidelines and instructions of Pharmacy Council of India, New Delhi.

- Institute implemented PCI curriculum which is a choice based credit system (CBCS) & outcome based education system, which helps in attainment of POs. The courses are arranged for examination to maintain the alignment as per the pre-defined COs of PCI. This is a step towards ensuring improvement in cognitive skills.
- The teaching and examination schemes' specify the duration and marks of internal and external theory and practical examinations.
- The internal tools are linked with COs of each course. The attainment of COs using internal tools are calculated after internal evaluation. The CO attainment is utilized for taking corrective steps in teaching – learning process; if required.
- Program outcome attainments are calculated after completion of all the course attainments of each semester.
- Each course is considered against the POs as defined by NBA.

B. Pharmacy Program Outcome

S. No.	Program Outcome
1	Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.
2	Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.

3	Problem Analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
4	Modern Tool Usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
5	Leadership Skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
6	Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
7	Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
8	Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
9	The Pharmacist and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
10	Environment and Sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
11	Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

Content of Syllabus

The B. Pharmacy Program comprises of 41 theory courses (with two Elective Subjects), 25 practical courses and 02 Projects. Evaluation includes both Continuous mode, internal and external assessments; 25% and 75% weightage given to the internal and external assessments. Performance of students assessed by Semester Grade Point Average (SGPA). At the end of program Cumulative Grade Point Average (CGPA) is calculated, considering SGPA's of all the semesters.

Institute is following the below Course structure for B. Pharmacy Program

B. Pharmacy Semester - 01

Course Code	Course Name	Theory (Hrs/Week)	Tutorials (Hrs/Week)	Practical (Hrs/Week)
BP101T	Human Anatomy and Physiology I – Theory	03	01	-
BP102T	Pharmaceutical Analysis I – Theory	03	01	-
BP103T	Pharmaceutics I – Theory	03	01	-
BP104T	Pharmaceutical Inorganic Chemistry – Theory	03	01	-
BP105T	Communication Skills – Theory	02		-
BP106RBT	Remedial Biology/	02		-
BP106RMT	Remedial Mathematics	02		-
BP107P	Human Anatomy and Physiology – Practical	-		04
BP108P	Pharmaceutical Analysis – Practical	-		04
BP109P	Pharmaceutics I – Practical	-		04
BP110P	Pharmaceutical Inorganic Chemistry – Practical	-		04
BP111P	Communication Skills – Practical*	-		02
BP112RBP	Remedial Biology – Practical*	-		02

B. Pharmacy Semester – 02

Course Code	Course Name	Theory (Hrs/Week)	Tutorials (Hrs/Week)	Practical (Hrs/Week)
BP201T	Human Anatomy and Physiology II – Theory	03	01	-
BP202T	Pharmaceutical Organic Chemistry I – Theory	03	01	-
BP203T	Biochemistry – Theory	03	01	-
BP204T	Pathophysiology – Theory	03	01	-
BP205T	Computer Applications in Pharmacy – Theory *	02	-	-
BP206T	Environmental Sciences – Theory *	02	-	-
BP207P	Human Anatomy and Physiology II – Practical	-	-	04
BP208P	Pharmaceutical Organic Chemistry I – Practical	-	-	04
BP209P	Biochemistry – Practical	-	-	04
BP210P	Computer Applications in Pharmacy – Practical*	-	-	02

B. Pharmacy Semester – 03

Course Code	Course Name	Theory (Hrs/Week)	Tutorials (Hrs/Week)	Practical (Hrs/Week)
BP301T	Pharmaceutical Organic Chemistry II – Theory	03	01	-
BP302T	Physical Pharmaceutics I – Theory	03	01	-
BP303T	Pharmaceutical Microbiology –Theory	03	01	-
BP304T	Pharmaceutical Engineering – Theory	03	01	-
BP305P	Pharmaceutical Organic Chemistry II – Practical	-	-	04
BP306P	Physical Pharmaceutics I – Practical	-	-	04
BP307P	Pharmaceutical Microbiology – Practical	-	-	04
BP308P	Pharmaceutical Engineering – Practical	-	-	04

B. Pharmacy Semester – 04

Course Code	Course Name	Theory (Hrs/Week)	Tutorials (Hrs/Week)	Practical (Hrs/Week)
BP401T	Pharmaceutical Organic Chemistry III– Theory	03	01	-
BP402T	Medicinal Chemistry I – Theory	03	01	-
BP403T	Physical Pharmaceutics II – Theory	03	01	-
BP404T	Pharmacology I – Theory	03	01	-
BP405T	Pharmacognosy and Phytochemistry I– Theory	03	01	-
BP406P	Medicinal Chemistry I –Practical	-	-	04
BP407P	Physical Pharmaceutics II – Practical	-	-	04
BP408P	Pharmacology I – Practical	-	-	04
BP409P	Pharmacognosy and Phytochemistry I – Practical	-	-	04

B. Pharmacy Semester – 05

Course Code	Course Name	Theory (Hrs/Week)	Tutorials (Hrs/Week)	Practical (Hrs/Week)
BP501T	Medicinal Chemistry II – Theory	03	01	-
BP502T	Industrial Pharmacy I– Theory	03	01	-
BP503T	Pharmacology II – Theory	03	01	-
BP504T	Pharmacognosy and Phytochemistry II– Theory	03	01	-
BP505T	Pharmaceutical Jurisprudence – Theory	03	01	-
BP506P	Industrial Pharmacy I – Practical	-	-	04
BP507P	Pharmacology II – Practical	-	-	04
BP508P	Pharmacognosy and Phytochemistry II –Practical	-	-	04

B. Pharmacy Semester – 06

Course Code	Course Name	Theory (Hrs/Week)	Tutorials (Hrs/Week)	Practical (Hrs/Week)
BP601T	Medicinal Chemistry III –Theory	03	01	-
BP602T	Pharmacology III – Theory	03	01	-
BP603T	Herbal Drug Technology – Theory	03	01	-
BP604T	Biopharmaceutics and Pharmacokinetics –Theory	03	01	-
BP605T	Pharmaceutical Biotechnology– Theory	03	01	-
BP606T	Quality Assurance –Theory	03	01	-
BP607P	Medicinal Chemistry III – Practical	-	-	04
BP608P	Pharmacology III – Practical	-	-	04
BP609P	Herbal Drug Technology – Practical	-	-	04

B. Pharmacy Semester – 07

Course Code	Course Name	Theory (Hrs/Week)	Tutorials (Hrs/Week)	Practical (Hrs/Week)
BP701T	Instrumental Methods of Analysis – Theory	03	01	-
BP702T	Industrial Pharmacy II –Theory	03	01	-
BP703T	Pharmacy Practice – Theory	03	01	-
BP704T	Novel Drug Delivery System – Theory	03	01	-
BP705P	Instrumental Methods of Analysis – Practical	-	-	04
BP706PS	Practice School*	-	-	12

B. Pharmacy Semester –08

Course Code	Course Name	Theory (Hrs/Week)	Tutorials (Hrs/Week)	Practical (Hrs/Week)
BP801T	Biostatistics and Research Methodology	03	01	-
BP802T	Social and Preventive Pharmacy	03	01	-
BP803ET	Pharma Marketing Management	03+01	03+01	-
BP804ET	Pharmaceutical Regulatory Science			
BP805ET	Pharmacovigilance			
BP806ET	Quality Control and Standardization of Herbals			
BP807ET	Computer Aided Drug Design			
BP808ET	Cell and Molecular Biology			
BP809ET	Cosmetic Science			
BP810ET	Experimental Pharmacology			
BP811ET	Advanced Instrumentation Techniques			
BP812ET	Dietary Supplements and Nutraceuticals			
BP813ET	Pharmaceutical Product Development			
BP814PW	Project Work	-	-	12

* Non University Examination

Scheme for Internal Assessment for Theory 25 Marks

Type of Question	No. of Question Given	No. of Question to be answered	Marks for each question	Total Marks
Objective type or one line questions	05	05	02	10
Long questions	02	01	10	10
Short Answers	03	02	05	10
Total marks for Internal assessment (Theory)				30
<i>Exam conducted for 30 marks shall be computed for 15 marks and added with 10 marks of continuous mode</i>				

Scheme for Internal Assessment for Practical's 15 Marks

Type of Question	No. of Question Given	No. of Question to be answered	Marks for each question	Total Marks
Synopsis	05	05	02	10
Experiment	02 (Major + Minor)	02 (Major + Minor)	15+10	25
Viva-Voce	-	-	05	05
Total marks for Internal assessment (Practical)				40
<i>Exam conducted for 40 marks shall be computed for 10 marks and added with 05 marks of continuous mode</i>				

Scheme for External Assessment for Theory 75 Marks

Type of Question	No. of Question Given	No. of Question to be answered	Marks for each question	Total Marks
Objective type or one line questions	20/10	20/10	01/02	20
Long questions	03	02	10	20
Short questions	09	07	05	35
Total marks for External assessment (Theory)				75

Scheme for External Assessment for Practical's 35 Marks

Type of Question	No. of Question Given	No. of Question to be answered	Marks for each question	Total Marks
Synopsis	05	05	01	05
Experiment	02 (Major + Minor)	02 (Major + Minor)	15+10	25
Viva-Voce	-	-	05	05
Total marks for External assessment (Practical)				35

Scheme for Continuous Mode for Internal Assessment for Theory 10/05 Marks

Criteria	Maximum Marks	
Attendance	4	2*
Academic Activities (Average of any three activities)	3	1.5*
Student Teacher Interaction	3	1.5*
Total marks for continuous mode for Theory	10	5*

* Non University Exam

Scheme for Continuous Mode for Internal Assessment for Practical 05 Marks

Criteria	Maximum Marks
Attendance	02
Practical Record	02
Regular Viva-Voce	01
Total marks for continuous mode for Practical's	05

Guidelines for the allotment of marks for Attendance

Percentage of Attendance	Theory	Practical
95-100	02	02
90-94	02	1.5
85-89	01	01
80-84	05	0.5
Less than 80	00	00

List of Experiments for B. Pharmacy Program**Class: B. Pharmacy 1stSem****Course: Human Anatomy and Physiology – Practical****Course Code: BP107P**

Exp. No.	Experiment
1.	Study of compound microscope.
2.	Microscopic study of epithelial and connective tissue.
3.	Microscopic study of muscular and nervous tissue.
4.	Identification of axial bones.
5.	Identification of appendicular bones.
6.	Introduction to hemocytometry.
7.	Enumeration of white blood cell (WBC) count.
8.	Enumeration of total red blood corpuscles (RBC) count.
9.	Determination of bleeding time.
10.	Determination of clotting time.
11.	Estimation of hemoglobin content.
12.	Determination of blood group.
13.	Determination of erythrocyte sedimentation rate (ESR).
14.	Determination of heart rate and pulse rate.
15.	Recording of blood pressure.

Class: B. Pharmacy 1stSem

Course: Pharmaceutical Analysis-I

Course Code: BP108P

Exp. No.	Experiment
1.	Limit Test of The Following Chloride Sulphate Iron Arsenic
2.	Preparation and standardization of Sodium hydroxide Sulphuric acid Sodiumt hio sulphate Potassium permanganate Ceric ammonium sulphate
3.	Assay of the Following Compounds Along With Standardization of Titrant Ammonium chloride by acid base titration Ferrous sulphate by cerimetry Copper sulphate by iodometry Calcium gluconate by complexometry Hydrogen peroxide by Permanganometry Sodium benzoate by non-aqueous titration Sodium Chloride by precipitation titration
4.	Determination of Normality by Electro-Analytical Methods Conductometric titration of strong acid against strong base Conductometric titration of strong acid and weak acid again strong base Potentiometric titration of strong acid against strong base

Class: B. Pharmacy 1stSem

Course: Pharmaceutics-I

Course Code: BP109P

Exp. No.	Experiment
1.	Syrups <ul style="list-style-type: none"> Syrup IP'66 Compound syrup of Ferrous Phosphate BPC'68
2.	Elixirs <ul style="list-style-type: none"> Piperazine citrate elixir Paracetamol pediatric elixir
3.	Linctus <ul style="list-style-type: none"> Terpin Hydrate Linctus IP'66 Iodine Throat Paint (Mandles Paint)
4.	Solutions <ul style="list-style-type: none"> Strong solution of ammonium acetate Cresol with soap solution Lugol's solution
5.	Suspensions <ul style="list-style-type: none"> Calamine lotion Magnesium Hydroxide mixture Aluminium Hydroxide gel
6.	Emulsions <ul style="list-style-type: none"> Turpentine Liniment Liquid paraffin emulsion
7.	Powders and Granules <ul style="list-style-type: none"> ORS powder (WHO) Effervescent granules Dusting powder Divided powders Suppositories <ul style="list-style-type: none"> Glycero gelatin suppository Cocabutter suppository Zinc Oxide suppository
8.	Semi-solids <ul style="list-style-type: none"> Sulphur ointment Nonstaining-iodine ointment with methyl salicylate Carbopol gel
9.	Gargles and Mouth washes <ul style="list-style-type: none"> Iodine gargle Chlorhexidine mouthwash

Class: B. Pharmacy 1stSem

Course: Pharmaceutical Inorganic Chemistry

Course Code: BP110P

Exp. No.	Experiment
1.	Limit Tests for Following Ions <ul style="list-style-type: none"> Limit test for Chlorides and Sulphates. Modified limit test for Chlorides and Sulphates. Limit test for Iron. Limit test for Heavy metals. Limit test for Lead. Limit test for Arsenic.
2.	Identification Test <ul style="list-style-type: none"> Magnesium hydroxide. Ferrous sulphate. Sodium bicarbonate Calcium gluconate. Copper sulphate.
3.	Test for Purity <ul style="list-style-type: none"> Swelling power of Bentonite Neutralizing capacity of aluminum hydroxide gel Determination of potassium iodate and iodine in potassium iodide
4.	Preparation of Inorganic Pharmaceuticals <ul style="list-style-type: none"> Boric acid. Potash alum. Ferrous sulphate.

Class: B. Pharmacy 1stSem

Course: Communication Skills

Course Code: BP111P

Exp. No.	Experiment
1.	Basic Communication Covering the Following Topics <ul style="list-style-type: none">• Meeting People• Asking Questions• Making Friends• What did you do?• Do's and Dont's
2.	Pronunciations Covering the Following Topics <ul style="list-style-type: none">• Pronunciation(Consonant Sounds)• Pronunciation and Nouns• Pronunciation(Vowel Sounds)
3.	Advanced Learning <ul style="list-style-type: none">• Listening Comprehension/Direct and Indirect Speech• Figures of Speech• Effective Communication• Writing Skills• Effective Writing• Interview Handling Skills• E-Mail etiquette• Presentation Skills

Class: B. Pharmacy 1stSem

Course: Remedial Biology

Course Code: BP112P

Exp. No.	Experiment
1.	Introduction to experiments in biology <ol style="list-style-type: none"> Study of Microscope Section cutting techniques Mounting and staining Permanent slide preparation
2.	Study of cell and its inclusions.
3.	Study of Stem, Root, Leaf, seed, fruit, flower and their modifications.
4.	Detailed study of frog by using computer models.
5.	Microscopic study and identification of tissues pertinent to Stem, Root Leaf, Seed, Fruit and Flower.
6.	Identification of bones.
7.	Determination of blood group.
8.	Determination of blood pressure.
9.	Determination of tidal volume.

Class: B. Pharmacy 2nd Sem

Course: Human Anatomy and Physiology-II

Course Code: BP207P

Exp. No.	Experiment
1.	To study the integumentary and special senses using specimen, models, etc.,
2.	To study the nervous system using specimen, models, etc.,
3.	To study the endocrine system using specimen, models, etc.
4.	To demonstrate the general neurological examination.
5.	To demonstrate the function of olfactory nerve.
6.	To examine the different types of taste.
7.	To demonstrate the visual acuity.
8.	To demonstrate the reflex activity.
9.	Recording of body temperature.
10.	Determination of tidal volume and vital capacity.
11.	To demonstrate positive and negative feedback mechanism.
12.	Study of digestive, respiratory, cardiovascular systems, urinary and reproductive systems with the help of models, charts and specimens
13.	Recording of basal mass index.
14.	Study of family planning devices and pregnancy diagnosis test.
15.	Demonstration of total blood count by cell analyzer.
16.	Permanent slides of vital organs and gonads.

Class: B. Pharmacy 2nd Sem

Course: Pharmaceutical Organic Chemistry-I

Course Code: BP208P

Exp. No.	Experiment
1.	<p>Systematic qualitative analysis of unknown organic compounds like</p> <ol style="list-style-type: none"> Preliminary test: Color, odour, aliphatic/aromatic compounds, saturation and unsaturation, etc. Detection of elements like Nitrogen, Sulphur and Halogen by Lassaigne's test. Solubility test Functional group test like Phenols, Amides/Urea, Carbohydrates, Amines, Carboxylic acids, Aldehydes and Ketones, Alcohols, Esters, Aromatic and Halogenated Hydrocarbons, Nitro-compounds and Anilides. Melting point/Boiling point of organic compounds. Identification of the unknown compound from the literature using melting point/ boiling point. Preparation of the derivatives and confirmation of the unknown compound by melting point/ boiling point. Minimum 05 unknown organic compounds to be analyses systematically.
2.	Preparation of suitable solid derivatives from organic compounds.
3.	Construction of molecular models.

Class: B. Pharmacy 2nd Sem

Course: Biochemistry

Course Code: BP209P

Exp. No.	Experiment
1.	Qualitative analysis of carbohydrates (Glucose, Fructose, Lactose, Maltose, Sucrose and starch)
2.	Identification tests for Proteins (albumin and Casein)
3.	Quantitative analysis of reducing sugars (DNSA method) and Proteins (Biuret method)
4.	Qualitative analysis of urine for abnormal constituents
5.	Determination of blood creatinine
6.	Determination of blood sugar
7.	Determination of serum total cholesterol
8.	Preparation of buffer solution and measurement of pH
9.	Study of enzymatic hydrolysis of starch
10.	Determination of Salivary amylase activity
11.	Study the effect of Temperature on Salivary amylase activity.
12.	Study the effect of substrate concentration on salivary amylase activity.

Class: B. Pharmacy 2nd Sem

Course: Computer Applications in Pharmacy

Course Code: BP210P

Exp. No.	Experiment
1.	Design a questionnaire using a word processing package to gather information about a particular disease
2.	Create a HTML web page to show personal information.
3.	Retrieve the information of a drug and its adverse effects using online tools
4.	Creating mailing labels Using Label Wizard , generating label in MS WORD
5.	Create a database in MS Access to store the patient information with the required fields Using access
6.	Design a form in MS Access to view, add, delete and modify the patient record in the database
7.	Generating report and printing the report from patient database
8.	Creating invoice table using – MS Access
9.	Drug information storage and retrieval using MS Access
10.	Creating and working with queries in MS Access
11.	Exporting Tables, Queries, Forms and Reports to web pages
12.	Exporting Tables, Queries, Forms and Reports to XML pages

Class: B. Pharmacy 3rd Sem

Course: Pharmaceutical Organic Chemistry–II

Course Code: BP305P

Exp. No.	Experiment
1.	Experiments Involving Laboratory Techniques Recrystallisation. Steam distillation.
2.	Determination of Following Oil Values (Including Standardization of Reagents) Acid value. Saponification value. Iodine value.
3.	Preparation of Compounds Benzanilide/ Phenylbenzoate/ Acetanilide from Aniline /Phenol/ Aniline by acylation reaction. 2,4,6 Tribromoaniline /Parabromoacetanilide from Aniline/ Acetanilide by halogenation (Bromination) reaction. 5-Nitro salicylic acid/ Meta-di-nitro benzene from Salicylic acid/ Nitro benzene by nitration reaction. Benzoic acid from Benzyl chloride by oxidation reaction. Benzoic acid/ Salicylic acid from alkyl benzoate/ alkyl salicylate by hydrolysis reaction. 1-Phenylazo-2-naphthol from Aniline by diazotization and coupling reactions. Benzil from Benzoin by oxidation reaction. Dibenzalacetone from Benzaldehyde by Claisen Schmidt reaction Cinnamic acid from Benzaldehyde by Perkin reaction <i>p</i> -Iodo benzoic acid from <i>p</i> -aminobenzoic acid

Class: B. Pharmacy 3rd Sem

Course: Physical Pharmaceutics-I

Course Code: BP306P

Exp. No.	Experiment
1.	Determination the solubility of drug at room temperature.
2.	Determination of pKa value by Half Neutralization/Henderson Hassel balch equation.
3.	Determination of Partition co-efficient of benzoic acid in benzene and water.
4.	Determination of Partition co-efficient of Iodine in CCl ₄ and water.
5.	Determination of % composition of NaCl in a solution using phenol-water system by CST method.
6.	Determination of surface tension of given liquids by drop count and drop weight method.
7.	Determination of HLB number of a surfactant by saponification method.
8.	Determination of Freundlich and Langmuir constants using activated charcoal.
9.	Determination of critical micelle concentration of surfactants.
10.	Determination of stability constant and donor acceptor ratio of PABA-Caffeine complex by solubility method.
11.	Determination of stability constant and donor acceptor ratio of Cupric-Glycine complex by pH titration method.

Class: B. Pharmacy 3rd Sem

Course: Pharmaceutical Microbiology

Course Code: BP307P

Exp. No.	Experiment
1.	Introduction and study of different equipment's and processing, e.g., B.O.D. incubator, laminar flow, aseptic hood, autoclave, hot air sterilizer, deep freezer, refrigerator, microscopes used in experimental microbiology.
2.	Sterilization of glass ware, preparation and sterilization of media.
3.	Sub culturing of bacteria and fungus. Nutrient stabs and slants preparations.
4.	Staining methods- Simple, Grams staining and acid fast staining(Demonstration with practical).
5.	Isolation of pure culture of micro-organisms by multiple streak plate technique and other techniques.
6.	Microbiological assay of antibiotics by cup plate method and other methods.
7.	Motility determination by Hanging drop method.
8.	Sterility testing of pharmaceuticals.
9.	Bacteriological analysis of water.
10.	Biochemical test.

Class: B. Pharmacy 3rd Sem

Course: Pharmaceutical Engineering

Course Code: BP308P

Exp. No.	Experiment
1.	Determination of radiate on constant of brass, iron, unpainted and painted glass.
2.	Steam distillation–To calculate the efficiency of steam distillation.
3.	To determine the overall heat transfer coefficient by heat exchanger.
4.	Construction of drying curves (for calcium carbonate and starch).
5.	Determination of moisture content and loss on drying.
6.	Determination of humidity of air i) From wet and dry bulb temperatures–use of Dew point method.
7.	Description of Construction working and application of Pharmaceutical Machinery such as rotary tablet machine, fluidized bed coater, fluid energy mill, dehumidifier.
8.	Size analysis by sieving–To evaluate size distribution of tablet granulations–Construction of various size frequency curves including arithmetic and logarithm probability plots.
9.	Size reduction: To verify the laws of size reduction using ball mill and determining Kicks, Rittinger's, Bond's coefficients, power requirement and critical speed of Ball Mill.
10.	Demonstration of colloid mill, planetary mixer, fluidized bed dryer, freeze dryer and such other major equipment.
11.	Factors affecting Rate of Filtration and Evaporation (Surface area, Concentration and Thickness/viscosity)
12.	To study the effect of time on the Rate of Crystallization.
13.	To calculate the uniformity Index for given sample by using Double Cone Blender.

Class: B. Pharmacy 4th Sem

Course: Medicinal Chemistry-I

Course Code: BP406P

Exp. No.	Experiment
1.	Preparation of Drugs/Intermediates <ul style="list-style-type: none"> • 1,3-pyrazole • 1,3-oxazole • Benzimidazole • Benztriazole • 2,3-diphenylquinoxaline • Benzocaine • Phenytoin • Phenothiazine • Barbiturate
2.	Assay of Drugs <ul style="list-style-type: none"> • Chlorpromazine • Phenobarbitone • Atropine • Ibuprofen • Aspirin • Furosemide
3.	Determination of Partition Coefficient for Any Two Drugs

Class: B. Pharmacy 4th Sem

Course: Physical Pharmaceutics-II

Course Code: BP407P

Exp. No.	Experiment
1.	Determination of particle size, particle size distribution using sieving method.
2.	Determination of particle size, particle size distribution using microscopic method.
3.	Determination of bulk density, true density and porosity.
4.	Determine the angle of repose and influence of lubrication angle of repose.
5.	Determination of viscosity of liquid using Ostwald's viscometer.
6.	Determination sedimentation volume with effect of different suspending agent.
7.	Determination sedimentation volume with effect of different concentration of single suspending agent.
8.	Determination of viscosity of semisolid by using Brookfield viscometer.
9.	Determination of reaction rate constant first order.
10.	Determination of reaction rate constant second order.
11.	Accelerated stability studies.

Class: B. Pharmacy 4th Sem

Course: Pharmacology-I

Course Code: BP408P

Exp. No.	Experiment
1.	Introduction to experimental pharmacology.
2.	Commonly used instruments in experimental pharmacology.
3.	Study of common laboratory animals.
4.	Maintenance of laboratory animals as per CPCSEA guidelines.
5.	Common laboratory techniques: Blood withdrawal, serum and plasma separation, anesthetics and euthanasia used for animal studies.
6.	Study of different routes of drugs administration in mice/rats.
7.	Study of effect of hepatic microsomal enzyme inducers on the phenobarbitone sleeping time in mice.
8.	Effect of drugs on ciliary motility of frog esophagus.
9.	Effect of drugs on rabbit eye.
10.	Effects of skeletal muscle relaxants using rota-rod apparatus.
11.	Effect of drugs on locomotor activity using actophotometer.
12.	Anticonvulsant effect of drugs by MES and PTZ method.
13.	Study of stereotype and anti-catatonic activity of drugs on rats/mice.
14.	Study of anxiolytic activity of drugs using rats/mice.
15.	Study of local anesthetics by different methods.

Class: B. Pharmacy 4th Sem

Course: Pharmacognosy and Phytochemistry-I

Course Code: BP409P

Exp. No.	Experiment
1.	Analysis of crude drugs by chemical tests: (i) Tragacanth (ii) Acacia (iii) Agar (iv) Gelatin (v) Starch (vi) Honey (vii) Castor oil.
2.	Determination of stomatal number and index.
3.	Determination of vein islet number, vein islet termination and palisade ratio.
4.	Determination of size of tarchgrains, calcium oxalate crystals by eyepiece micrometer.
5.	Determination of Fiber length and width.
6.	Determination of number of starch grains by Lycopodium spore method.
7.	Determination of Ash value.
8.	Determination of Extractive values of crude drugs.
9.	Determination of moisture content of crude drugs.
10.	Determination of swelling index and foaming.

Class: B. Pharmacy 5th Sem

Course: Industrial Pharmacy-I

Course Code: BP506P

Exp. No.	Experiment
1.	Pre-formulation studies on Paracetamol/ Aspirin /or any other drug.
2.	Preparation and evaluation of Paracetamol tablets.
3.	Preparation and evaluation of Aspirin tablets.
4.	Coating of tablets-film coating tables/granules.
5.	Preparation and evaluation of Tetracycline capsules.
6.	Preparation of Calcium Gluconate injection.
7.	Preparation of Ascorbic Acid injection.
8.	Quality control test of (as per IP) marketed tablets and capsules.
9.	Preparation of Eye drops/and Eye ointments.
10.	Preparation of Creams (cold/vanishingcream).
11.	Evaluation of Glass containers (as per IP).

Class: B. Pharmacy 5th Sem

Course: Pharmacology-II

Course Code: BP507P

Exp. No.	Experiment
1.	Introduction to <i>in-vitro</i> pharmacology and physiological salt solutions.
2.	Effect of drugs on isolated frog heart.
3.	Effect of drugs on blood pressure and heart rate of dog.
4.	Study of diuretic activity of drugs using rats/mice.
5.	DRC of acetylcholine using frog rectus abdominis muscle.
6.	Effect of physostigmine and atropine on DRC of acetylcholine using frog rectus abdominis muscle and rat ileum respectively.
7.	Bioassay of histamine using guinea pig ileum by matching method.
8.	Bioassay of oxytocin using rat uterine horn by interpolation method.
9.	Bioassay of serotonin using rat fundus strip by three point bioassay.
10.	Bioassay of acetylcholine using rat ileum/colon by four point bioassay.
11.	Determination of PA_2 value of prazosin using rat anococcygeus muscle (by Schild's plot method)
12.	Determination of PD_2 value using guinea pig ileum.
13.	Effect of spasmogens and spasmolytics using rabbit jejunum.
14.	Anti-inflammatory activity of drugs using carrageenan induced paw-edema model.
15.	Analgesic activity of drug using central and peripheral methods.

Class: B. Pharmacy 5th Sem

Course: Pharmacognosy and Phytochemistry-II

Course Code: BP508P

Exp. No.	Experiment
1.	Morphology, histology and powder characteristics & extraction & detection of: Cinchona, Cinnamon, Senna, Clove, Ephedra, Fennel and Coriander.
2.	Exercise involving isolation & detection of active principles: Caffeine-from tea dust. Diosgenin from Dioscorea Atropine from Belladonna Sennosides from Senna
3.	Separation of sugars by Paper chromatography
4.	TLC of herbal extract
5.	Distillation of volatile oils and detection of phytoconstituents by TLC
6.	Analysis of crude drugs by chemical tests: <ul style="list-style-type: none"> • Asafetida and Benzoin • Colophony • Aloes • Myrrh

Class: B. Pharmacy 6th Sem

Course: Medicinal Chemistry–III

Course Code: BP607P

Exp. No.	Experiment
1.	Preparation of drugs and intermediates <ul style="list-style-type: none"> • Sulphanilamide • 7-Hydroxy, 4-methylcoumarin • Chlorobutanol • Triphenylimidazole • Tolbutamide • Hexamine
2.	Assay of drugs <ul style="list-style-type: none"> • Isonicotinic acid hydrazide • Chloroquine • Metronidazole • Dapsone • Chlorpheniramine maleate • Benzyl penicillin
3.	Preparation of medicinally important compounds or intermediates by Microwave irradiation technique.
4.	Drawing structures and reaction using chemdraw®.
5.	Determination of physicochemical properties such as logP, c logP, MR, Molecular weight, Hydrogen bond donors and acceptors for class of drugs course content using drug design software Drug likeliness screening(LipinskiesRO5).

Class: B. Pharmacy 6th Sem

Course: Pharmacology-III

Course Code: BP608P

Exp. No.	Experiment
1.	Dose calculation in pharmacological experiments.
2.	Antiallergic activity by mast cell stabilization assay.
3.	Study of antiulcer activity of a drug using pylorus ligand (SHAY) rat model and NSAIDS induced ulcer model.
4.	Study of effect of drugs on gastrointestinal motility.
5.	Effect of agonist and antagonists on guinea pig ileum.
6.	Estimation of serum biochemical parameters by using semi-auto analyser.
7.	Effect of saline purgative on frog intestine.
8.	Insulin hypoglycemic effect in rabbit.
9.	Test for pyrogens (rabbit method).
10.	Determination of acute oral toxicity (LD50) of a drug from a given data.
11.	Determination of acute skin irritation/corrosion fastest substance.
12.	Determination of acute eye irritation/corrosion o fastest substance
13.	Calculation of pharmacokinetic parameters from a given data.
14.	Biostatistics methods in experimental pharmacology (student's ttest, ANOVA).
15.	Biostatistics methods in experimental pharmacology (Chi square test, Wilcoxon Signed Rank test).

Class: B. Pharmacy 6th Sem

Course: Herbal Drug Technology

Course Code: BP609P

Exp. No.	Experiment
1.	To perform preliminary phytochemical screening of crude drugs.
2.	Determination of the alcohol content of Asava and Arista.
3.	Evaluation of excipients of natural origin.
4.	Incorporation of prepared and standardized extract in cosmetic formulations like creams, lotions and shampoos and their evaluation.
5.	Incorporation of prepared and standardized extract in formulations like syrups, mixtures and tablets and their evaluation as per Pharmacopoeial requirements.
6.	Monograph analysis of herbal drugs from recent Pharmacopoeias.
7.	Determination of Aldehyde content.
8.	Determination of Phenol content.
9.	Determination of total alkaloids.

Class: B. Pharmacy 7th Sem

Course: Instrumental Methods of Analysis

Course Code: BP705P

Exp. No.	Experiment
1.	Determination of absorption maxima and effect of solvents on absorption maxima of organic compounds.
2.	Estimation of dextrose by Colorimetry.
3.	Estimation of sulfanilamide by Colorimetry.
4.	Simultaneous estimation of ibuprofen and paracetamol by UV Spectroscopy.
5.	Assay of paracetamol by UV-Spectrophotometry.
6.	Estimation of quinine sulfate by Fluorimetry.
7.	Study of quenching of fluorescence.
8.	Determination of sodium by Flame Photometry.
9.	Determination of potassium by Flame Photometry.
10.	Determination of chlorides and sulphates by Nephelo turbidometry.
11.	Separation of amino acids by Paper Chromatography.
12.	Separation of sugars by Thin Layer Chromatography.
13.	Separation of plant pigments by Column Chromatography.
14.	Demonstration experiment on HPLC.
15.	Demonstration experiment on Gas Chromatography.

Each faculty prepares tentative teaching schedules for both theory and practicals for the semester based on the syllabus prescribed for the respective course by the faculty. They also set attainments of Program Outcome, Course Outcome attainment levels

Every student shall be undergone practical training for 150 hours spread across four weeks in pharmaceutical industry/Hospital after third year or before completion of program.

Delivery of Syllabus Content

The course is delivered through:

1. Lectures through different modes including ICT tools
2. Tutorials/Remedial Classes
3. Assignments Work
4. Group Discussion
5. Laboratory Experimentation
6. Real World Examples

Compliance of the Curriculum for Attainment of Program Outcomes (POs)

The curriculum for B. Pharmacy course is so designed that devised course outcome contributes to the attainment of large proportion of PO's defined by NBA. Different subjects emphasize on contribution to different CO's leading to eventual attainment of PO's upon successful completion of all courses and hence the program. Each course has sufficient weightage to fundamental concepts, tools and techniques and emphasis on practical implementations. This provides a strong correlation between the course outcomes and POs, developing necessary skills in students, making them proficient pharmacists.

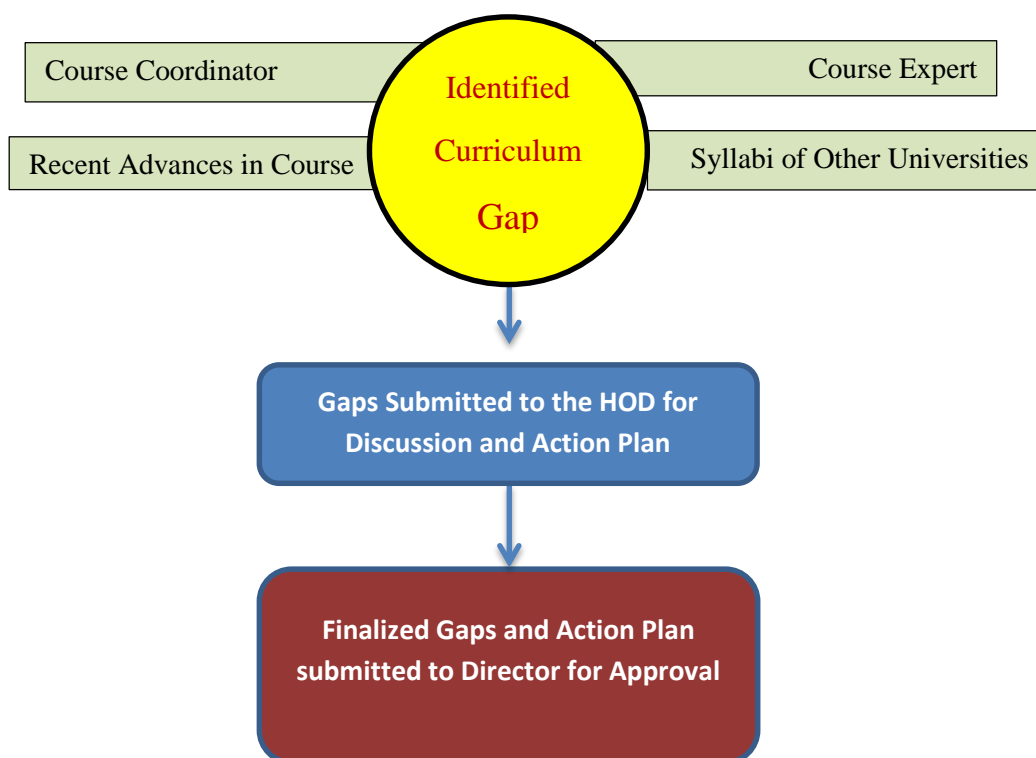
The linkage among program outcomes and course outcomes is shown in subsequent chapter. The course outcomes are thus directly and quantitatively assessed, and are tied to the program outcomes. Therefore, it is presumed that if the course outcomes are met, then the POs are automatically met.

Some of the POs pertaining to the planning abilities to solve complex problems and implement practical solutions are attainable through practical course work. The laboratory course work provides students with the opportunity to apply their fundamental concepts learnt in theory classes, skills, tools, techniques and use various components and equipments for practical purposes. This also develops their team-working skills and the ability to meet targets within strict deadlines. The project course works allows the students to choose a specific area of their interest and develop a deep understanding of that topic, its implementation and application. Laboratory exams, project work contribute to the assessment of practical skills which reflect the ability of students to implement ideas and techniques. Further, the periodic oral presentation and viva-voce contribute to the assessment of overall communication skills and dissemination of ideas. Assignments, quizzes and examinations contribute to assessing the students' ability to use fundamental concepts, quantitative, numerical and analytical skills. These assessments are carried out periodically and hence allow the faculty members to monitor and provide attention to the students who may not be attaining the PO's to the required level. This ensures that all students attain the minimum level of each program outcomes.

Gaps Identification in Curriculum

The college administration has undertaken the steps for enrichment of the curriculum by supplementing prescribed university curriculum. The college administration particularly teachers are very much alive to the emerging challenges and compelling issues in the rapidly changing Pharmaceutical field. Keeping in view of the NBA defined POs, the college teachers have identified some topics (subject wise) of current interest as gaps with regards to university curriculum. These gaps have been communicated to Pharmacy Board of studies as and when university sought suggestion for the amendment in the curriculum.

Though the IKG- Punjab Technical University and PCI syllabi are well designed and defined as well to address most of the POs; but still through our rigorous analysis & brainstorming, we reached to the conclusion that some seminars / sessions by experts should be arranged to empower students from view point of core knowledge, societal relevance and ethics, recent advances, continuous learning beyond syllabus. These sessions were arranged to boost the learning and hence following additional steps were taken. Following methods were employed to identify the gaps in curriculum:



Fulfilment of Identified Gaps in Curriculum

These identified gaps have been compiled in the form of a document entitled “**Learning Beyond Syllabus**”. The college fully complies with fulfillment of the identified gaps with respect to the university curriculum through organizing:

- **Guest Lectures:** The College organizes guest lectures on the identified topics from eminent academicians/trainers in the concerned field, industrial scientists and other healthcare professionals.
- **Workshops/Hand-on Training:** Students and teachers of the college regularly attend various workshops /training sessions of the facilities not available in the college to meet the identified gaps.
- **Participation in Seminar/Conference:** Students and teachers of the college regularly attend various **Seminar/Conference** with the major emphasis on the theme or topic of the identified gaps.
- **Self-Learning Material:** Students are encouraged to use the e-content through course material available on college website, national and international journals from reputed publishers and wide variety of freely available e-learning tools like NPTEL and youtube lectures. Besides this lots of books for learning on the identified gaps are available with the institute.

2.1.2 State the delivery details of the contents beyond the Syllabus for the attainment of POs (20)

Though the IKG- Punjab Technical University and PCI syllabi are well designed and defined as well to address most of the POs; but still through our rigorous analysis & brainstorming, we reached to the conclusion that some seminars / sessions by experts should be arranged to empower students from view point of core knowledge, societal relevance and ethics, recent advances, continuous learning beyond syllabus. These sessions were arranged to boost the learning and hence following additional steps were taken. Following methods were employed to identify the gaps in curriculum:

CAY- 2021-22

S.No	Gap	Action taken	Date-Month-Year	Resource Person with designation	No. of students present	Relevance to POs
1	Pharmaceutical Organic Chemistry (BP202T) Module- 2 Alkane, alkene and conjugated Diene Gap: Introduction and structures of reaction intermediates	Extra Lecture	25/2/2022	Dr. Satwant Kaur Shahi Principal, ASBASJSM PG College, Bela, Ropar	67	PO1 and PO6
2	Physical Pharmaceutics-II (BP 403T) Module-1 Colloidal Dispersions Gap: Application of Colloidal dispersion in Pharmacy	Extra lecture	28/4/2022	Dr. Shailesh Sharma Director, ASBASJSMC OP, Bela, Ropar	51	PO1 and PO11
3	Pharmacognosy and phytochemisry-I (BP-405T) Module 3 Plant tissue culture Gap: Basic knowledge of biotechnological aspects	Extra lecture	28/02/2022	Dr. Mamta Arora Professor and Head, Dept. of Biotechnology, ASBASJSM PG College, Bela, Ropar	40	PO1, PO4 and PO10
4	Social and Preventive Pharmacy (BP 802T) Module-5 Community services and education Gap: Introduction to Primary health care centre	Extra lecture	06/04/2022	Dr. A. S. Kushwah, Professor and Head Department of Pharmacology, ASBASJSMC OP, Bela, Ropar	35	PO1, PO6, PO7 and PO9

CAYm1- 2020-21

S.No.	Gap	Action taken	Date-Month-Year	Resource Person with designation	No. of students present	Relevance to POs
1	Human Anatomy and Physiology (BP 101T) Module-4 Peripheral Nervous system Gap: Somatic System	Guest lecture	13/10/2021	Dr. A. S. Kushwah, Professor and Head Department of Pharmacology, ASBASJSMCOP, Bela, Ropar	55	PO1, PO6 and PO9
2	Pharmacology-II (BP 503T) Module-2 Pharmacology of Drug acting on CVS. Gap: Brief introduction of shock and its types	Extra lecture	26/10/2021	Dr. A. S. Kushwah, Professor and Head Department of Pharmacology, ASBASJSMCOP, Bela, Ropar	49	PO1, PO6 and PO9
3	Pharmacology-II I (BP 602T) Module-1 Pharmacology of Drug acting on GIT. Gap: Drugs used in treatment of GERD	Extra lecture	23/04/2021	Dr. Rahul Kumar Sharma Asso Prof. Department of Pharmacology, ASBASJSMCOP, Bela, Ropar	44	PO1, PO6 and PO9
4	Cell and molecular biology (BP 808ET) Module-4 Genetics Gap: Gene therapy and tissue engineering	Guest lecture	24/04/2021	Dr. Mamta Arora Professor and Head, Dept. of Biotechnology, ASBASJSM PG College, Bela, Ropar	40	PO1, PO4, PO7 and PO9

CAYm2- 2019-20

S.No.	Gap	Action taken	Date- Month- Year	Resource Person with designation	No. of students present	Relevance to POs
1	Pharmacology-II I (BP 602T) Module-III Chemotherapy and immunopharmacology Gap: Introduction to immune system	Online Extra Lecture	19/04/2020	Dr. Mamta Arora Professor and Head, Dept. of Biotechnology, ASBASJSM PG College, Bela, Ropar	36	PO1, PO4, PO7 and PO9

2.1.3. Adherence to Academic Calendar (10)

In the beginning of every academic Semester/year, an academic calendar is prepared with an objective to plan the academic activities to be undertaken based on the IKG-Punjab Technical University circular. It is prepared by Planning & Examination Committee in consultation with other committee members as per COP-BELA circular and finalized by the Director.

The calendar specifies the number of working days available for teaching excluding holidays, Sundays and examination days. It gives the dates for conduction of internal theory and practical examinations and other activities including cultural events, extra and co-curricular events, health campaigns and sports events.

Course allotment is done well in advance by the Director and Head of Departments for the faculty to prepare teaching plan, practical plan and their course files. Course file is prepared as per the circular of institute. Teaching plan is prepared by the faculty to complete the theory syllabus as well as practical's on time. Examinations Internals and Externals and other activities are conducted as per the approved institutional academic calendar only.

Adherence of Academic Calendar**ACADEMIC CALENDAR 2019-20 (ODD SEMESTER 2019)**

Event	Prescribed Dates	Actual Date
1 st Sessional exams	Sept. 02 to 06, 2019	Sept. 02 to 06, 2019
2 nd Sessional exams	Oct. 09 to 11, 2019	Oct. 07 to 10, 2019
Preparatory classes (New Batches-2019)	Nov. 18 to 22, 2019	Nov. 18 to 22, 2019
University main exams	Nov. 22, 2019 (old sessions)	Nov. 22, 2019
University main exams	Dec. 04, 2019 (New Batches-2019)	Dec. 02, 2019

ACADEMIC CALENDAR 2019-20 (EVEN SEMESTER 2019)

Event	Prescribed Dates	Actual Date
1 st Sessional exams	Feb. 24, 2020 to Feb. 28, 2020	Feb. 24, 2020 to Feb. 28, 2020
2 nd Sessional exams	April 03, 2020 to April 11, 2020	April 03, 2020 to April 11, 2020
University main exams	April -28, 2020 onwards	April -28, 2020 onwards

ACADEMIC CALENDAR 2020-21 (ODD SEMESTER 2020)–(ONLINE/OFFLINE MODE)

Event	Prescribed Dates	Actual Date
1 st Sessional exams	Sept. 28 to Oct. 03, 2020	Sept. 28 to Oct. 03, 2020
2 nd Sessional exams	Nov. 23 to Dec. 04, 2020	Nov. 23 to Dec. 04, 2020
University main exams	Jan. 04 to 25, 2021	Jan. 04 to 25, 2021
1 st Sessional exams (New Batches-2020)	Dec. 28 to 31, 2020	Dec. 28 to 31, 2020
2 nd Sessional exams (New Batches-2020)	Feb 01 to 04, 2021	Feb 01 to 04, 2021
University main exams	March 08 to 26, 2021	March 09 to 26, 2021

ACADEMIC CALENDAR EXISTING BATCHES 2020-21 (EVEN SEMESTER 2021)

Event	Prescribed Dates	Actual Date
1 st Sessional exams	Feb. 23, 2021 to Feb. 26, 2021	April 04, 2021 (Online)
2 nd Sessional exams	April 28, 2021 to April 30, 2021	May 31, 2021 (Online)
University main exams	May-26, 2021 onwards	May-26, 2021

ACADEMIC CALENDAR NEW BATCH

Event	Prescribed Dates	Actual Date
1 st Sessional exams	May-26 to 28, 2021	May 31, 2021 (Online)
2 nd Sessional exams	June 28, 2021 to June 30, 2021	July 12, 2021 (Online)
University main exams	Aug. 09, 2021 onwards	Aug. 09, 2021

ACADEMIC CALENDAR 2021-22 ODD SEMS.(ONLINE/OFFLINE)*(2021 BATCH ONLY)

Event	Prescribed Dates	Actual Date
Commencement of session	Sept. 15, 2021	Sept. 15, 2021
First mid examination	Nov. 10, 2021	Nov. 15, 2021
Second mid examination	Dec. 27, 2021	Dec. 28, 2021
Exam form filling date	Dec. 21-31, 2021	Dec. 21-31, 2021
Exam form filling with late fee	Jan. 01 to 05, 2022	Jan. 01 to 05, 2022
Preparatory Holidays	Jan. 09 to 14, 2022	Jan. 09 to 14, 2022
End semester main exams (Theory)	Jan. 15 to 25, 2022	Jan. 17 to 25, 2022 (Online)
End semester main exams (Practical)	Jan. 27 to 31, 2022	Jan. 24 to 31, 2022 (Online)
Evaluation	Upto Jan. 31, 2022	Upto Jan. 31, 2022
Result declaration	Regular Feb. 05, 2022	Regular Feb. 05, 2022
Next Session	Feb. 01, 2022	Feb. 01, 2022

ACADEMIC CALENDAR 2021-22 EVEN SEMS. (ONLINE/OFFLINE)*(2021 BATCH ONLY)

Event	Prescribed Dates	Actual Date
Commencement of session	Feb 2022 (01)	Feb 2022 (01)
First mid examination	April 2022 (18)	April 2022 (18)
Second mid examination	June 2022 (06)	June 2022 (06)
Exam form filling date for Re-appear	June 2022 (06 to 11)	June 2022 (06 to 11)
Preparatory Holidays	June 2022 (12 to 20)	June 2022 (12 to 20)
End semester main exams (Theory)	June 2022 (20)	June 2022 (20)
End semester main exams (Practical)	July 2022 (04)	June 2022 (06)
Result declaration	July 2022 (15)	July 2022 (15)

ACADEMIC CALENDAR 2021-22 ODD SEMS. (ONLINE/OFFLINE)*(EXISTING BATCHES STUDENTS ADMITTED BEFORE 2021)

Event	Prescribed Dates	Actual Date
Commencement of session	July 19, 2021	July 19, 2021
First mid examination	Sept. 13, 2021	Sept. 13, 2021
Second mid examination	Nov. 08, 2021	Nov. 08, 2021
Exam form filling date	Nov. 01 to 10, 2021	Nov. 01 to 10, 2021
Exam form filling with late fee	Nov. 11 to 15, 2021	Nov. 11 to 15, 2021
Preparatory Holidays	Nov. 15 to 21, 2021	Nov. 15 to 21, 2021
End semester main exams (Practical)	Dec. 06 to Dec. 11, 2021	Dec. 07 to Dec. 11, 2021
Winter vocation	Dec. 25 to Jan 07, 2022	Dec. 25 to Jan 07, 2022

ACADEMIC CALENDAR 2021-22 EVEN SEMS. (ONLINE/OFFLINE)*(EXISTING BATCHES STUDENTS ADMITTED BEFORE 2021)

Event	Prescribed Dates	Actual Date
Commencement of session	Jan 2022 (03)	Jan 2022 (03)
First mid examination	March 2022 (14)	March 2022 (14)
Second mid examination	June 2022 (06)	June 2022 (06)
Exam form filling date for Re-appear	May 2022 (16 to 20)	May 2022 (16 to 20)
Preparatory Holidays	May 2022 (21 to 30)	May 2022 (21 to 30)
End semester main exams (Theory)	June 2022 (20)	June 2022 (20)
End semester main exams (Practical)	July 2022 (04)	June 2022 (06)
Result declaration	July 2022 (15)	July 2022 (15)

ASBASJSM
College of Pharmacy, Bela (Ropar)

Academic calendar 2019-20 (odd semester 2019)
(B.Pharmacy, M.Pharmacy & DMLT)

July -2019	Mon	Tue	Wed	Thu	Fri	Sat	Sun
No of working days-23	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28
August -2019				1	2	3	4
No of working days-20	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24	11 18 25
Sept. -2019						31	
No of working days-21	2 9 16 23 30	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29
Oct. -2019		1	2	3	4	5	6
No of working days-20	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24 31	11 18 25	12 19 26	13 20 27
Nov. -2019					1	2	3
No of working days-15	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29	9 16 23 30	10 17 24
Dec. -2019							1
No of working days-	2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	8 15 22 29

SCHEDULE OF SESSIONAL EXAMS

1 st Sessional exams	Sept. 02 to 06, 2019
2 nd Sessional exams	Oct. 09 to 11, 2019
3 rd Sessional exams	Nov. 11 to 15, 2019
Preparatory classes (New Batches-2019)	Nov. 18 to 22, 2019
University main exams	Nov. 22, 2019 (old sessions)
University main exams	Dec. 04, 2019 (New Batches-2019)

LIST OF HOLIDAYS

Id-UI- Zuha	12 th August	Monday	Vishwakarma Day	28 th October	Monday
Independence Day	15 th August	Thursday	Birthday of Sri Guru Nanak Dev Ji	12 th November	Tuesday
Birthday of Mahatma Gandhi Ji	02 nd October	Wednesday	Christmas day	25 th December	Wednesday
Dussehra	08 th October	Tuesday			

Prof. (Dr.) Shailesh Sharma
DIRECTOR
ASBASJSM College of Pharmacy
BELA (Ropar)-140 111, Punjab

ASBASJSM
College of Pharmacy, Bela (Ropar)

Academic calendar 2019-20 (Even semester 2019)
(B.Pharmacy, M. Pharmacy & DMLT)

Jan. -2020	Mon	Tue	Wed	Thu	Fri	Sat	Sun
No of working days- 19	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		
Feb. -2020						1	2
No of working days- 20	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	
March. -2020							1
No of working days- 22	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31					
April -2020			1	2	3	4	5
No of working days- 18	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30			
May-2020					1	2	3
No of working days- 19	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

SCHEDULE OF SESSIONAL EXAMS

1 st Sessional exams	Feb. 24, 2020 to Feb. 28, 2020
2 nd Sessional exams	April 03, 2020 to April 11, 2020
3 rd Sessional exams/ RTI (with permission only)	April 15, 2020 to April 17, 2020
NON University exam	April 20, 2020
University main exams	April -28, 2020 onwards

LIST OF HOLIDAYS

Birthday of Sri Guru Gobind Singh Ji	02 Jan	Thursday	Mahavir Jayanti	06 April	Monday
Republic Day	26 Jan	Sunday	Good Friday	10 April	Friday
B'day of Sri Guru Ravidas Ji	09 Feb	Sunday	Birthday Dr. B.R Ambedkar/ Vaisakhi	14 April	Tuesday
Maha Shivratri	21 Feb	Fri day	ID-UL-Fitr	25 May	Monday
Holi	10 March	Tuesday	Shaheedi Day of Guru Arjun Dev Ji	26 May	Tuesday
Ram Navmi	02 April	Thursday	Kabir Jayanti	05 June	Friday

(Dr. Satnam Singh)
Coordinator Examination

Prof. (Dr.) Shailesh Sharma
Director

ASBASJSM College of Pharmacy
BELA (Ropar)-140 111, Punjab

ASBASJSM
College of Pharmacy, Bela (Ropar)

Academic calendar 2020-21 (odd semester 2020) – (Online/offline mode)
(B.Pharmacy, M.Pharmacy)

August -2020	Mon	Tue	Wed	Thu	Fri	Sat	Sun
No of working days-	Session 3 Start	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						
Sept. -2020		1	2	3	4	5	6
No of working days-	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25 new Batch start	26	27
	28	29	30				
Oct. -2020				1	2	3	4
No of working days-	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	
Nov. -2020							
No of working days-	2	3	4	5	6	7	1
	9	10	11	12	13	14	8
	16	17	18	19	20	21	15
	23	24	25	26	27	28	22
	30						29
Dec. -2020		1	2	3	4	5	6
No of working days-	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			

SCHEDULE of SESSIONAL EXAMS

1 st Sessional exams	Sept. 28 to Oct. 03, 2020
2 nd Sessional exams	Nov. 23 to Dec. 04, 2020
3 rd Sessional exams	Nov. 28 to 31, 2020
University main exams	Jan. 04 to 25, 2021
1 st Sessional exams (New Batches-2020)	Dec. 28 to 31, 2020
2 nd Sessional exams (New Batches-2020)	Feb 01 to 04, 2021
3 rd Sessional exams (New Batches-2020)	Feb 21 to 26, 2021
University main exams	March 08 to 26, 2021

LIST OF HOLIDAYS

Janam Ashtami	12 August	Wednesday	Diwali	14 November	Saturday
Independence day	15 August	Saturday	Birthday of Sri Guru Nanak Dev Ji	30 November	Monday
Birthday of Mahatma Gandhi Ji	02 October	Friday	Christmas day	25 th December	Friday

S.S. Khulhan
(Dr. Satnam Singh)
COE

Prof. (Dr.) Shailesh Sharma

DIRECTOR
ASBASJSM College of Pharmacy
BELA (Ropar)-140 111, Punjab

ASBASJSM College of Pharmacy, Bela (Ropar) Academic calendar 2020-21 (Even semester 2021) (B.Pharmacy, M. Pharmacy)							
Jan. -2021	Mon	Tue	Wed	Thu	Fri	Sat	Sun
No of working days-	4	5	6	7	8	2	3
	11	12	13	14	15	9	10
	18	19	20	21	22	16	17
	25	26	27	28	29	23	24
Feb. -2021	1	2	3	4	5	30	31
No of working days-	8 old batch start	9	10	11	12	6	7
	15	16	17	18	19	13	14
	22	23	24	25	26	20	21
March. -2021	1	2	3	4	5	27	28
No of working days	8	9	10	11	12	6	7
	15	16	17	18	19	13	14
	22	23	24	25	26	20	21
	29	30	31			27	28
April -2021	5 new batch start	6	7	8	9	3	4
No of working days-	12	13	14	15	16	10	11
	19	20	21	22	23	17	18
	26	27	28	29	30	24	25
May-2021	3	4	5	6	7	1	2
No of working days-	10	11	12	13	14	8	9
	17	18	19	20	21	15	16
	24	25	26	27	28	22	23
	31					29	30
June - 2021	7	8	9	10	11	5	6
No of working days-	14	15	16	17	18	12	13
	21	22	23	24	25	19	20
	28	29	30			26	27
July - 2021	5	6	7	8	9	3	4
No of working days-	12	13	14	15	16	10	11
	19	20	21	22	23	17	18
	26	27	28	29	30	24	25
August-2021	2	3	4	5	6	31	1
No of working days-	9	10	11	12	13	7	8
	16	17	18	19	20	14	15
	23	24	25	26	27	21	22
	30	31				28	29

SCHEDULE OF SESSIONAL EXAMS- Existing batches

1 st Sessional exams	Feb. 23, 2021 to Feb. 26, 2021
2 nd Sessional exams	April 28, 2021 to April 30, 2021
University main exams	May-26, 2021 onwards

SCHEDULE OF SESSIONAL EXAMS- New batches (2021)

1 st Sessional exams	May-26 to 28, 2021
2 nd Sessional exams	June 28, 2021 to June 30, 2021
University main exams	Aug. 09, 2021 onwards

LIST OF HOLIDAYS

B'day of Sri Guru Gobind Singh Ji	20 Jan	Wednesday	Birthday Dr. B.R Ambedkar	14 April	Wednesday
Republic Day	26 Jan	Tuesday	Ram Navmi	21 April	Wednesday
B'day of Sri Guru Ravidas Ji	27 Feb	Saturday	ID-UL-Fitr	14 May	Friday
Maha Shivratri	11 March	Thursday	Shaheedi Day of Guru	14 June	Monday
Holi	29 March	Monday	Arjun Dev Ji	24 June	Thursday
Good Friday	02 April	Friday	Kabir Jayanti	21 July	Wednesday
Vaisakhi	13 April	Tuesday	Bakrid	30 Aug	Monday
			Janmashtami		

(Dr. Satnam Singh)
Coordinator Examination

Prof. (Dr.) Shailesh Sharma

DIRECTOR
ASBASJSM College of Pharmacy
BELA (Ropar)-140 111, Punjab

ASBASJSM COLLEGE OF PHARMACY, BELA (ROPAR)
(An Autonomous College)
Proposed Academic Calendar 2021-22 Odd Sems. (Online/Offline)*
(2021 batch only)
(B.Pharmacy & M. Pharmacy)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Sept. -2021			15	16	17	18	18
No of working days- 14	20	21	22	23	24	25	26
	27	28	29	30			
Oct. -2021					1	2	3
No of working days- 22	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
Nov. -2021							
No of working days- 15	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					
Dec. -2021			1	2	3	4	5
No of working days-25	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		
Jan. -2022						1	2
No of working days-24	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						

S.No.	Description	Period
1.	Commencement of session	Sept. 15, 2021
2.	First mid examination	Nov. 10, 2021
3.	Second mid examination	Dec. 27, 2021
4.	Exam form filling date	Dec. 21-31, 2021
5.	Exam form filling with late fee	Jan. 01 to 05, 2022
6.	Preparatory Holidays	Jan. 09 to 14, 2022
7.	End semester main exams (Theory)	Jan. 15 to 25, 2022
8.	End semester main exams (Practical)	Jan. 27 to 31, 2022
9.	Evaluation	Upto Jan. 31, 2022
10.	Result declaration	Regular Feb. 05, 2022
11.	Next Session	Feb. 01, 2022

LIST OF HOLIDAYS

Id-ul-juha(Bakrid)	21 July	Wednesday	Maharishi Balmiki ji B'day	20 October	Wednesday
Independence day	15 August	Sunday	Diwali	04 November	Thursday
Janam Ashtami	30 August	Monday	Vishwakarma	05 November	Friday
Birthday of Mahatma Gandhi Ji	02 October	Saturday	Birthday of Sri Guru Nanak Dev Ji	19 November	Friday
Agarsain Jayanti	07 October	Thursday	Shaheedi day of Sri Guru Teg Bahadur Ji	08 December	Wednesday
Dussehra	15 October	Friday	Christmas day	25 th December	Saturday
			Birthday of Sri Guru Gobind Singh ji	20 January	Thursday
			Republic day	26 January	Wednesday

* Saturday online class only.

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ASBASJSM COLLEGE OF PHARMACY, BELA (ROPAR)
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Academic Calendar 2021-22 Even Sems. (Online/Offline)*
(2021 batch only)
(B.Pharmacy & M. Pharmacy)

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Jan -2022	3	4	5	6	7	8	9
No of working days- 18	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						
Feb-2022		1 start	2	3	4	5	6
No of working days- 24	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28						
March -2022		1	2	3	4	5	6
No of working days- 25	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31			
April -2022					1	2	3
No of working days- 22	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	
May -2022							1
No of working days-26	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31					
June -2022			1	2	3	4	5
No of working days-24	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30			
July -2022					1	2	3
No of working days-24	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

S.No.	Description	Period
1.	Commencement of session	Feb 2022 (01)
2.	First mid examination	April 2022 (18)
3.	Second mid examination	June 2022 (06)
4.	Exam form filling date for Re-appear	June 2022 (06 to 11)
5.	Preparatory Holidays	June 2022 (12 to 20)
6.	End semester main exams (Theory)	June 2022 (20)
7.	End semester main exams (Practical)	July 2022 (04)
8.	Result declaration	July 2022 (15)

LIST OF HOLIDAYS

Republic Day	26 Jan	Wed	Vaisakhi	14 April	Thu
B'day of Sri Guru Ravidas Ji	16 Feb	Wed	Birthday of Dr. B.R Ambedkar	14 April	Thu
Maha Shivratri	01 March	Tue	Good Friday	15 April	Fri
Holi	18 March	Fri	ID-UL-Fitr	03 May	Tue
B'day of Sri Guru Nabha das Ji	08 April	Fri	Shaheedi Day of Guru Arjun Dev Ji	03 June	Fri
Mahavir Jayanti	14 April	Thu	Kabir Jayanti	14 June	Tue

ASBASJSM COLLEGE OF PHARMACY, BELA (ROPAR)
(An Autonomous College)
Proposed Academic Calendar 2021-22 Odd Sems. (Online/Offline)*
(Existing Batches students admitted before 2020)
(B.Pharmacy & M. Pharmacy)

July -2021	Mon	Tue	Wed	Thu	Fri	Sat	Sun
No of working days-11	19	20	21	22	23	24	25
	26	27	28	29	30	31	
August -2021							
No of working days- 25	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31					
Sept. -2021							
No of working days-26	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30			
Oct. -2021							
No of working days- 22	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
Nov. -2021							
No of working days- 15	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					
Dec. -2021							
No of working days-25	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		

S.No.	Description	Period
1.	Commencement of session	July 19, 2021
2.	First mid examination	Sept. 13, 2021
3.	Second mid examination	Nov. 08, 2021
4.	Exam form filling date	Nov. 01 to 10, 2021
5.	Exam form filling with late fee	Nov. 11 to 15, 2021
6.	Preparatory Holidays	Nov. 15 to 21, 2021
7.	End semester main exams (Theory)	Nov.22 to Dec. 04 (Rg+Rp) & Dec. 06 to Dec. 18, 2021(Rp)
8.	End semester main exams (Practical)	Dec. 06 to Dec. 11, 2021
9.	Evaluation	Regular upto Dec. 11, 2021
10.	Result declaration	Regular Dec. 15, Reappear Dec. 23, 2021
11.	Winter vocation	Dec. 25 to Jan 07, 2022

LIST OF HOLIDAYS

Id-ul-juha(Bakrid)	21 July	Wednesday	Maharishi Balmiki ji B'day	20 October	Wednesday
Independence day	15 August	Sunday	Diwali	04 November	Thursday
Janam Ashtami	30 August	Monday	Vishwakarma	05 November	Friday
Birthday of Mahatma Gandhi Ji	02 October	Saturday	Birthday of Sri Guru Nanak Dev Ji	19 November	Friday
Agarsain Jayanti	07 October	Thursday	Shaheedi day of Sri GuruTeg Bahadur Ji	08 December	Wednesday
Dussehra	15 October	Friday	Christmas day	25 th December	Saturday

* Saturday online class only.

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ASBASJSM COLLEGE OF PHARMACY, BELA (ROPAR)
(An Autonomous College)

Academic Calendar 2021-22 Even Sems. (Online/Offline)*

(Existing Batches Students Admitted Before 2021)

(B.Pharmacy {4, 6 & 8} & M. Pharmacy)

Jan -2022 No of working days-	Mon	Tue	Wed	Thu	Fri	Sat	Sun
3 start		4	5	6	7	1	2
10		11	12	13	14	8	9
17		18	19	20	21	15	16
24		25	26	27	28	22	23
31						29	30
Feb-2022 No of working days-		1	2	3	4	5	6
7		8	9	10	11	12	13
14		15	16	17	18	19	20
21		22	23	24	25	26	27
28							
March -2022 No of working days-		1	2	3	4	5	6
7		8	9	10	11	12	13
14		15	16	17	18	19	20
21		22	23	24	25	26	27
28		29	30	31			
April -2022 No of working days-					1	2	3
4		5	6	7	8	9	10
11		12	13	14	15	16	17
18		19	20	21	22	23	24
25		26	27	28	29	30	
May -2022 No of working days-							
2		3	4	5	6	7	8
9		10	11	12	13	14	15
16		17	18	19	20	21	22
23		24	25	26	27	28	29
30		31					
June -2022 No of working days-			1	2	3	4	5
6		7	8	9	10	11	12
13		14	15	16	17	18	19
20		21	22	23	24	25	26
27		28	29	30			

S.No.	Description	Period
1.	Commencement of session	Jan 2022 (03)
2.	First mid examination	March 2022 (14)
3.	Second mid examination	June 2022 (06)
4.	Exam form filling date for Re-appear	May 2022 (16 to 20)
5.	Preparatory Holidays	May 2022 (21 to 30)
6.	End semester main exams (Theory)	June 2022 (20)
7.	End semester main exams (Practical)	July 2022 (04)
8.	Result declaration	July 2022 (15)

LIST OF HOLIDAYS

Republic Day	26 Jan	Wed	Vaisakhi	14 April	Thu
B'day of Sri Guru Ravidas Ji	16 Feb	Wed	Birthday of Dr. B.R Ambedkar	14 April	Thu
Maha Shivratri	01 March	Tue	Good Friday	15 April	Fri
Holi	18 March	Fri	ID-UL-Fitr	03 May	Tue
B'day of Sri Guru Nabha das Ji	08 April	Fri	Shaheedi Day of Guru Arjun Dev Ji	03 June	Fri
Mahavir Jayanti	14 April	Thu	Kabir Jayanti	14 June	Tue

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2.2 Teaching-Learning Processes (110)

2.2.1 Initiatives in teaching and learning process (25)

The initiatives in teaching and learning process are done at two levels i.e. for theory classes and practical sessions separately. The mechanism and implementation have been described hereafter.

I] Theory Classes

As the responsibility on education relies mostly on the theory classes, lots of measures are taken to keep the lectures engaging and interactive. Some of the measures taken are:

1. Multimedia elements such as Power Point, Flash, Movie Maker, Animations etc. have been widely used.
2. Other practices such as Brain storming Sessions, Mind Map, Teaching with Humor, Role Playing, Scenario Analysis, Model Making, Chart Making, bringing live specimens, Markets Surveys etc. have been employed depending upon the curriculum and its scope.
3. In order to boost the interest of the students in their area of interest, assignments or projects are given to top 10 – 15 students of the class which would help them in making the right career choice and help in seeking admission in future to an institution of repute.
4. Students whose marks are below the minimum pass marks are encouraged to attend remedial classes and are asked to solve University question papers. These papers are then corrected by the subject in charge and the mistakes and solutions are explained to the students on one-on-one basis.
5. Other than these, course specific activities and approaches are adopted to infuse keen interest and enthusiasm in a subject to keep the students abreast with the changing scenario in the industry and to help them perform to the best of their abilities.

II] Practical Sessions

1. Pairing of students: Based on their previous semester practical marks in a similar subject, ranks are assigned to all students in a batch. [In case of a tie in practical marks, the marks obtained in the theory course are considered. In case of the first year students, their marks in HSC are considered]. Then the student assigned rank 1 is paired with that having rank 11, student with rank 2 is paired with that assigned rank 12 and so on. This ensures that a student who is weak in a certain subject is paired with an academically stronger student which helps them in understanding and coping up with practical requirements.

2. Helping academically weaker students: Based on the periodic marks of the students, those securing lower marks are given additional revision turns to help them gain more experience and confidence.
3. Encouraging bright students: Based on their previous semester marks, students showing an aptitude for the subject are encouraged to read/ experiment beyond the scope of the prescribed syllabus to further their interest.
4. Other than these common strategies; course-wise techniques are adopted by the subject teachers to inculcate enthusiasm in their subject. Some of these techniques involve competitions during practical's, real-life problem analysis and solving, making of charts & models etc.

III] Real World Facing

1. Visit to institutional crude drug museum, pilot plant, medicinal plant garden, drug museum, visit to industry, and hospital exposes to real world examples.
2. All students are required to undergo training of at least 150 hours spread over four weeks in a Pharmaceutical industry/Hospital. It includes training in production unit, Quality Control Department, Quality Assurance Department, Analytical Laboratory, Chemical Manufacturing Unit, Pharmaceutical R&D, Clinical Research Organization, Community Pharmacy and other departments. After completion, student shall submit the certificate duly signed by the authority of the training organization to the Head of the Institute.
3. Interdepartmental involvement for projects, helps cater to collaborative learning.

IV] Projects

The best way to master a subject is by doing project. Through a project the students not only get a deeper understanding of the subject but also gain hands on practical experience. By doing a project, the student will; understand their subject knowledge better; get practical experience; get a chance to showcase their skills; inoculates teamwork; communication skills and responsibilities.

V] Expert Guest Lectures, Seminars etc.

As part of development, college arrange guest lectures and seminars throughout the year on the core subjects, carrier oriented lectures, recent technologies and research areas periodically., through this, the graduate students are encouraged to attend the seminars and present papers organized by the other reputed institutions. To support active learning, numerous innovative instructional and pedagogical measures have been adopted by the

faculty members. These includes schedule of time table, calendar of events, teaching schedules, teachers daily class report, preparation of question banks and MCQ's. Student as active recipient will enthusiastically involve in delivering seminars, presentation and other problem based exercise.

VI] Student Welfare

Staff council and mentoring system of the college continuous monitor progress of each and every student. The students are internally categorized in weak, average and bright categories. The various welfare provisions implemented in the college are:

For Slow Learners (Weak students): Special Tutorial classes are conducted. Special test and assignment are taken from these students. Accordingly average students are similarly monitored and special classes are also conducted for them as per their need.

For Fast Learners (Bright or meritorious Students): Students are encouraged to learn the subject in an advanced manner. They are encouraged to attend quizzes on current affairs, present models at science exhibition, pursuing research work at Institute level. Giving books and extra time in library & lab are some of the facilities given to them. Scholarships are given to needy and meritorious students.

Various initiatives were taken through the different methods:

Interactive Classroom

- Picture Prompt
- Classroom Opinion Polls
- Discussions
- Recall and Summarize
- Assignments
- Seminars
- Projects
- Brain-stroming Sessions
- Quizzes
- Debates
- Group Discussion.

ICT USage

- Usage of Softwares
- Chemdraw
- Chems sketch
- Molecular Modeling
- Ex-Pharm
- Design Expert
- Optimization Softwares

2.2.2 Quality of internal semester question papers, assignments and evaluation (10)

Sessional Examinations

Two sessional examinations shall be conducted for each theory and practical course as per the schedule academic calendar fixed by the college. The scheme of question paper for theory and practical sessional examination will have Course outcome and prepared according to the Blooms Taxonomy Compliances. The average marks of the two sessional examinations shall be computed for internal assessment marks.

Sessional examinations shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly sessional examinations for practical shall be conducted for 40 marks and shall be computed for 10 marks.

Process to ensure the questions from outcomes or learning level perspectives

Individual course co-ordinator/faculty with the help of HOD prepare the teaching schedule in accordance to course outcome of that course and learning outcomes of the Modules. CO are mapped with the Program outcome and the same are reflected in the Sessional Question Paper in accordance with Bloom's Taxonomy.

Evidence of Course outcome coverage in class test/mid term test

Internal exams generally ensures coverage of Course outcome by 100%. Generally around 40-50% Course outcome is met in the first sessional and rest in the second sessional examination. This ensures the coverage of Course outcomes by 100% before the commencement of final examinations.

Quality Assurance of Question Papers

Question vetting committee (QVC) ensures/control the quality of internal semester question papers and assignment work. The use of the prescribed structure and protocol of question setting defined by QV Censures a consistently high standard of question presentation during examinations. This will be beneficial for different strata of students to understand the questions correctly and properly and helps them to give their best answers. Many variables are given careful attention during the vetting process to ensure that the examination questions are correct, fair, valid and reliable. Compliance of the questions with these aspects ensure both content and construct validity, besides ensuring that the examination measures understanding of prescribed content/process and not understanding of the question itself.

S. No	Initiatives	Implementation	Impact
1	Formation of Question vetting committee to ensures a consistently high standard of question presentation during examinations.	<p>Question vetting committee (QVC) of the college continuously conduct the meetings (ideally before the in-house examinations) of all faculty members to monitor the question and assignment vetting process keeping in view of the following aspects:</p> <ol style="list-style-type: none"> 1.Coverage of syllabus in a uniform manner 2.Attainment of defined course outcomes 3. Distribution of Marks 4. Complexity of questions etc. 5. Topics and level of assignment 6. Proper evaluation of assignment and Question papers 7. Communication of short comings in attempting questions or completing assignments and suggestion thereof 8. Collecting feedback from students after each examination on the parameters set by QVC. 	<p>On getting feedback from students, necessary actions are initiated by QVC. Students definitely learn how to complete assignments or attempt questions in order to develop skills and higher orders of learning and evaluation</p>

Roll No.....

Date: _____



ASBASJSM COLLEGE OF PHARMACY, BELA
(An Autonomous College)

SECOND SESSIONAL EXAMINATION MAY 2022



Program	B. Pharmacy
Semester	VIII
Course/Subject	Experimental Pharmacology
Subject Code	BP810ET
Time	1 Hr
Maximum Marks	30

Instructions: No supplementary/continuation sheet will be issued to the candidates. Answer the questions precisely.
(Total Number of Questions 10) (Total number of Pages 01)

Section A: Attempt all Questions			
1	What is ulcer index?	BP810.5	2
2	Explain in brief the in vitro method to screening of anticoagulants.	BP810.4	2
3	List out the name of instruments used to study the effect of hypnotic drug in mice?	BP810.2	2
4	Why do we use graphical presentation of data?	BP810.6	2
5	What is the Triphasic Blood Glucose Response of STZ?	BP810.5	2
Section B: Attempt any ONE (01) Question			
6	What is literature research? How do you select a research topic for a literature review?	BP810.6	10
7	Write preclinical screening models for the evaluation of anti-hypertensive agents.	BP810.4	10
Section C: Attempt any TWO (02) Questions			
8	Discuss any on anti- glaucomatous activity screening model.	BP810.3	5
9	Discuss any two <i>in-vivo</i> screening methods of diabetes.	BP810.5	5
10	Explain in brief frog screening model of local anesthetics.	BP810.3	5

Assignment Evaluation:

Assignment, make a student more confident and self-reliant. At least 2-3 assignments per theory course are given to students. These assignments are evaluated and discussed with students. The marks are given to the rubric based. The obtained marks are gets added to theory continuous mode. The internal assessment papers are evaluated and shared with the students. Discussion with regard to their performance is done and suggestions are given to improve on the way they answer the questions.

Rubrics for Assignment Evaluation:

Name _____ of _____ Candidate: _____ Roll. No. _____

Course _____ Code: _____
Course: _____

Assignment given date: _____ Assignment Submission Date _____

Parameter				Marks Obtained
Submission of Assignment	On or before Time - 02	Delay (2 days) - 01	Delay More than 2 Days- 00	
Completion of Assignment	Complete- 02	Partial Complete- 01	Major Incomplete- 00	
Technical Content of Assignment	Excellent - 02	Good - 01	Poor -00	
Presentation of Work	Excellent - 02	Good - 01	Poor -00	
Clearness of Assignment	Excellent - 02	Good - 01	Poor -00	
TOTAL				

2.2.3 Quality of Students Projects (15)

The syllabus prescribed by the PCI and IKGPTU demands some research activity by the undergraduate students throughout the four years course. This project work activity which can inspire the students to think analytically, utilize the scientific principles and solve the given problem.

To execute this research activity, all the (fourth year/eighth semester) students were given a mini research project under the guidance of respective faculty members. The project was research based. The research work was done in the college in the span of three months. The selection criteria for mini research project was,

1. It should be cost effective
2. Safe and eco-friendly

After the lab work, students submitted a report consisting of the Abstract, Introduction, Rationale, Literature Search, Methodology, Result and Conclusion. The students presented their work in the form of oral presentation and were evaluated by the external expert. As the criteria for evaluation was Project Sustainability, Quality of Research, Presentation and Defense, the quality of these projects was evaluated based on its reflection on various Program Outcomes. From the results, it was observed that maximum students identified and understood the problem given to them. They tried their best to solve the project and apply the available scientific knowledge to interpret the data efficiently. Simultaneously it was observed that some students could present the data well and defend their work in a proper technical manner.

Details of Program Outcome addressed through Project Work

Institute has well-defined ordinance for carrying out project work during course of study after B. Pharm. fourth year. The aim of the project work is to develop effective planning abilities in students as well as teachers to organize work with in time with the best available resources at institute level (**addressing PO 2**). This Project Work will serve as an excellent platform for students to compile, synthesize and integrate the knowledge they acquired from different subjects of their undergraduate program. Students will have real time practical situations to solve the complex problems associated with the project work by thinking logically and may develop a product or process or optimization of new technique or tool or idea (**addressing PO 3 and 5**). The project course work allows the students to choose a specific area of their interest and develop a deep understanding of that topic, its implementation and application. The students may also be given the choice to take the project work problem from any of the allied subjects of pharmaceutical discipline, provided that the problem of the project is relevant for the application to appropriate industry of his specialization (**addressing PO 5, 7 and 9**). The project work followed by seminar

and viva voce will develop self-confidence and communication skills among students (**addressing PO 5 and 8**). The interaction among students and teachers during project work will certainly promote a spirit of co-operation and team spirit among all (**addressing PO 5 and 10**). This activity will certainly inculcate a habit of self-learning on continual basis to solve various health care issues and contribute for the welfare of the mankind (**addressing PO 10 and 11**).

Process of Allotment

Each of the students has to undertake a project individually under the supervision of a faculty having at least two years of teaching experience. First tabulation is done for the faculty members in order of their teaching and research experience. Then the vacant slots are defined on the basis of their previous engagements in the research and designation. A maximum of four students are allotted under the supervision of each faculty member. A lottery system is adopted for the distribution of students. The name of each student is written on individual slips. Then the slips are picked up by the two of their class representatives. Firstly one student is allotted to all the faculty members and then second and third and so on respectively. The final allotment of supervisors is circulated among the faculty members and displayed on the notice board. Students and faculty are provided with a time of one week to report any conflict cases. Conflict cases if any are resolved by program committee within two days of reporting.

Continuous Monitoring of Project

The respective supervisor has the major responsibility of continuous monitoring of project. Firstly each supervisor has to maintain a record of the attendance of the students as per the time table. The supervisor provides the students a time line from the selection of the project topic to submission of project of report. Secondly, the students have to maintain their daily meeting registers with the supervisor. All the raw results for the projects are to be noted in the laboratory note book. He/ she have to get the results signed or verified by the supervisor. So the criteria for continuous monitoring are student's regularity, punctuality, improvement in understanding of project topic and timely submission of project report.



**Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of
Pharmacy, Bela, Ropar, Punjab
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Project Self-Assessment Report by Student

Roll No.:	
Student Name:	
Mobile No.:	
Email id:	
Project title:	
Supervisor Name	
Date of Submission:	

1. Describe briefly the type of project that was carried out.
2. Explain your contribution in the project carried out.
3. Relate your learnings experience and what skill or knowledge you have gained in project carried out?
4. Whether the project is useful for your future or career and How?

Signature of Student

Signature of Supervisor



**Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of
Pharmacy, Bela, Ropar, Punjab**
(An Autonomous College)



Report by Supervisor

Roll No.:	
Student Name:	
Project title:	
Supervisor Name	
Mobile No.:	
Email id:	
Date of Submission:	

Project Monitoring

S. No.	Item	LOW	MEDIUM	HIGH
1	Adherence to methodology is adequate			
2	Whether the defined aims and objectives are met?			
3	Methodology followed is appropriate			
4	Whether the student is up to date with literature?			
5	Adherence to time line			

Performance Assessment

S. No.	Item	LOW	MEDIUM	HIGH
1	Contribution to the idea			
2	Willingness to participate			
3	Research and analyzing skills			
4	Experimentation skills			
5	Competency in language and writing skills			

Date:

Signature of Supervisor



**Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of
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Roll No.:	
Student Name:	
Project title:	
Type of Project:	<input type="checkbox"/> Application <input type="checkbox"/> Product <input type="checkbox"/> Research <input type="checkbox"/> Review
Supervisor Name:	

Project Evaluation by Expert

S. No.	Item	LOW	MEDIUM	HIGH
1	Whether the project questions has been defined objectives?			
2	Whether the carried project justifies the defined objectives?			
3	Findings of the project carried out			
4	Contribution of supervisor in the project			

Quality of Project

S. No.	Item	LOW	MEDIUM	HIGH
1	Cost effectiveness of the project			
2	Environment friendliness			
3	Safety measures			
4	Adherence to ethics			

PO MATRIX

S. No.	Item	LOW	MEDIUM	HIGH
1	Pharmacy Knowledge			
2	Planning Abilities			
3	Problem analysis			
4	Modern tool usage			
5	Leadership skills			
6	Professional Identity			
7	Pharmaceutical Ethics			
8	Communication			
9	The Pharmacist and society			
10	Environment and sustainability			
11	Life-long learning			

Date:

Signature of Evaluator

2.2.4 Initiatives related to Industry and/or Hospital interaction (20)

Initiatives: For this, The college periodically conducts activities pertaining to the involvement of industry/hospitals for the partial delivery of identified gaps in the curriculum and familiarizing the students with real time situations at theses level.

Implementations: The various activities for industry/hospital involvement are as under:

1. Training: The training for students of the college is arranged at various industries and hospitals during vacations or evening time.

2. Guest Lectures: The guest lecturers from eminent personalities from industry as well as hospitals are conducted throughout the year. Alumni working in industry/ hospitals are also invited to share their real time experiences. The college is in final stage of signing MOU with Industries for setting an industry oriented research Lab at our institution.

3. Participation in industry oriented activities: Students and teachers are encouraged to attend various activities of this sort throughout the year

Impact: The impact of aforementioned activities is many folds. Student got real time experience at technical level (hospital/industry) before the completion of course which help him greatly in:

- Deciding his career perspective or to make choice as per his will.
- Overcoming the shortcomings in his CV profile technically before applying the job.
- Getting the job in the same or other organization on priority due to his training during graduation.

Training of Students

- All students are required to undergo training of at least 150 hours spread over four weeks in a Pharmaceutical industry/Hospital. It includes training in production unit, Quality Control Department, Quality Assurance Department, Analytical Laboratory, Chemical Manufacturing Unit, Pharmaceutical R&D, Clinical Research Organization, Community Pharmacy and other departments. After completion, student shall submit the certificate duly signed by the authority of the training organization to the Head of the Institute.
- Apart from these regular industrial visits for all year B.Pharmacy students are a part of curriculum.
- Guest lectures from eminent personalities from industry and hospitals is also conducted regularly for the benefit of the students.

- Awareness camps namely, Blood donation camp, Health Camp, Awareness guest lectures are undertaken by college students in association with hospitals. These are some initiatives, wherein our students get an opportunity to create public awareness.
- The college has several MOU's with Pharmaceutical Industries and Hospitals for training of students.

MoU with Industries

- EduRun Virtuoso Services Private Limited.
- CONOR COSMO India Pvt. Ltd. Ambala
- QSD Formulations, Pvt. Ltd., Sonipat
- HireMee Services, Bengluru
- Nango Pharma,, Fardiabad Haryana
- Oniosomes Health Care Private Limited, Mohali

MoU with Hospitals

- SPS Hospital, Ludhiana
- Parmar Hospital, Ropar
- Sembhi Hospital, Machiwara
- Sangha Hospital, Ropar
- SND Hospital, Ropar

MoU with Institutes

- GLA University, Mathura
- School of Pharmacy and Research, Peoples University, Bhopal
- Guru Gobind Singh College of Pharmacy, Yamunanagar
- ISF College of Pharmacy, Moga
- School of Pharmacy, IEC University Baddi
- ASBASJSM College, BELA
- Gurunanak Institute of Pharmaceutical Sciences and Technology, Kolkatta.
- Global College of Pharmacy, Anandpur Sahib
- Minerva College of Pharmacy, Kangra

2.2.5 Initiatives related to skill Development programs/industry internship/summer training (10)

List of Industries/Hospitals for Internship of UG Students

S. No.	Name of Industry
1	Abryl Laboratoaries
2	ACME Formulation
3	AIMIL Pharmaceuticals
4	Alchem Laboratories
5	Alembic Pharma
6	Biodeal Healthcare
7	BRD Medilab
8	Cadila Pharmaceutical
9	Cipla Pharmaceuticals
10	Concern Pharmaceuticals
11	Dr. Reddys
12	Elder Pharmaceutical
13	Healthcap Pvt Ltd
14	Healthcare Biotech
15	Hetro Group Pvt. Ltd
16	IND swift
17	INNOVA LTD
18	Intas Pharmaceuticals
19	Jasmine PharmaPLtd.
20	JOHNSON & JOHNSON
21	KAY Health Care
22	Maneesh Pharma
23	Mankind Pharmaceutical Ltd.
24	Nango Pharma
25	Rajni Herbals

26	Ranstad Pharmaceutial Pvt. Ltd.
27	Scott Edil
28	Sentiss Pharma
29	Sun Pharma
30	Swiss Garnier
31	Theon LTD.
32	Thio Phamra
33	Torrent Pharma
34	Trust Pharmaceutcals
35	USB Pharmaceutical
36	Varab Biogenesis
37	Wallace Pharmaceuticals
38	Zydus Cadila
List of Hospitals for Student Training	
1	Gill Hospital
2	Morinda Hospital
3	Parmar Hospital
4	Sangha Hospital
5	Sembhi Hospital
6	SND Hospital

Initiatives, Implementation and Impact of Skill Development Programs

S. No	Initiatives	Implementation	Impact
1	Communication skills	Regular classes on various aspects needed for effective communication are conducted for each class.	Improvement in reading, writing, presentation skills of the students are improved. This improvement is assessed through conducting activities of this sort like Assay competitions, debates, quizzes, Presentation etc.
2	Industry oriented Technical Skills (Marketing, Instrumental, production etc.)	B. Pharm Fourth year students are engaged in industry oriented skill development courses. The students of present batch have undergone a two-three week part time course of Medical Sale Representative.	Students got real time training from marketing experts which will definitely help them in pursuing their career in the Pharma marketing field.
3	Clinical skills	Hospital training is organized for students of the institute for clinical exposure at nearby private/Govt. Hospitals	Students got a chance to become familiar with the various departments of health care system at hospital level like Pharmacy, IPD, OPD, ICU, Baby care unit, Diagnostic Lab etc. They also become familiar with patient counseling thereby getting a better insight on the role of pharmacist toward society and profession.
4	Industrial Training	One month industrial training is arranged for students after B. Pharm Third Year exams in the month of June/July. Training	Students got real time training in various departments of Pharmaceutical industry which will definitely help them in

		and Placement cell arrange this training every year.	pursuing their career in the Pharma field. Impact of the activity will be assessed through the report of the industrial visit submitted by the trainee and percentage of students got jobs in the relevant field.
5	Computational Skill development	<p>A well maintained computer centre is available at institute for upgrading the computational skills in students as per the need of the healthcare sector.</p> <p>Besides MS Word and Excel, Students are encouraged to learn various computer languages like C++, JAVA etc.</p> <p>Outside experts and teachers of the college regularly train students on various software for their overall professional development. Examples of some of the software are: E-Dragon, NMR Virtual Lab, Statistical software, <i>insilico</i> prediction of physicochemical and biological activities.</p>	Today computer is an integral part of every field of healthcare sector. Students trained in the basic computational tools will perform better while serving in any organization. Impact of the activity will be assessed through the use of computational skills in performing day to day activities at institute level for ex. Graphical presentation in lab work, PPT preparation and presenting seminar, use of research oriented computer program in completing project work etc.

2.2.6 Continuous Evaluation Process (10)

The college follows a continuous evaluation policy as per PCI and IKGPTU Norms. This is to train the students to inoculate discipline in their work over the entire period of study. Students are required to have minimum 80% attendance in both theory and practical's courses to appear in the end term examinations. The continuous evaluation of the students is based on continuous mode with the internal sessional examinations.

The students are evaluated basis on the attendance, academic activities, student teacher interaction, practical performance, practical records and regular viva voce.

The marks allocated on the basis of rubrics provided by the PCI and IKGPTU as per given scheme:

Scheme for Continuous Mode for Internal Assessment for Theory 10 Marks

Criteria	Maximum Marks	
Attendance	4	2*
Academic Activities (Average of any three activities)	3	1.5*
Student Teacher Interaction	3	1.5*
Total marks for continuous mode for Theory	10	5*

*Non University Exams

Scheme for Continuous Mode for Internal Assessment for Practical 05 Marks

Criteria	Maximum Marks
Attendance	02
Practical Record	02
Regular Viva-Voce	01
Total marks for continuous mode for Practical's	05

Guidelines for the allotment of marks for Attendance

Percentage of Attendance	Theory	Practical
95-100	02	02
90-94	02	1.5
85-89	01	01
80-84	05	0.5
Less than 80	00	00

The continuous mode awarded marks calculated out of 5 marks are added into the internal sessional examinations average.

All sessional question papers are prepared to comply with Course outcome and program outcome along with Bloom's Taxonomy. Assignment would be a part of theory continuous mode of assessment in program at the end of semester or in between students have to submit assignment in all subject, which would be evaluated by the respective course co-ordinator/faculty.

2.2.7. Quality of Experiments (20)

1. Laboratory experiments are systematically conducted as per the prescribed syllabus.
2. Teacher is/are appointed in ratio of 1:20/25 or 2:30 for smooth conducting of practical's.
3. A group of 2-3 students are formed to learn and conducting of the experiments.
4. Quality of relevant experiments can be correlated by comparing the results obtained with monographs and if the obtained results are well within the limits, quality is ascertained.
5. Practical's are conducted as per the standard procedures and results obtained logically depict the quality of equipment used.
6. The students are imparted with sound training on operations of latest instruments, handling of chemicals, good laboratory practices, standard operating procedures, trouble shooting, maintenance, documentation etc.
7. Observations of the experiments performed are noted down, analyzed and reported in the observation books maintained by students. Each experiment is checked and valued by respective faculty after each lab.
8. The college has a state of art laboratories with several sophisticated instruments. All laboratories are well equipped with the requirements as per the syllabus.

List of Instruments are available in the laboratories

Room ID: 008 Lab. Name: Pharmaceutics PG lab -01 Department: Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1.	Tablet Dissolution Test Apparatus	Veego	Working
2.	Tablet Dissolution Test Apparatus	Thermonic	Working
3.	Tablet Dissolution Test Apparatus(3PC)	Scientific	Working
4.	Tablet Disintegration Test Apparatus	local	Working
5.	Double Distilled Water Assembly	borosile	Working
6.	Mechanical Stirrer	Rimmi	Working
7.	Water Bath	Perfit	Working
8.	Tray Dryer	Narang scientific Pvt. ltd	Working
9.	Hot Plate	Navyug	Working
10.	Friability Test Apparatus	Local	Working
11.	Desiccator	local	Working
12.	High Precision Water Bath	NSW Pvt. ltd	Working
13.	Melting Point Apparatus	Local	Working
14.	Vacuum Pump Apparatus	Local	Working
15.	Hot Air Oven	Local	Working
16.	Magnetic Stirrer	Bench top	Working
17.	AnaDigi Water Purifier (WFI)	Ultra Q	Working

Room ID: 011 & 011A Lab. Name: Pharmaceutics Research lab Department: Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Microscope	Remi	Working
2	Electronic Balance	Citizen	Working
3	Water Bath	NSW	Working
4	Mechanical Stirrer- 7	Remi	Working
5	Digital Micrometer	Mityoto	Working
6	Cyclo Mixer	Remi	Working
7	Hardness Tester	Pfizer	Working
8	Hardness Tester	MOsanto	Working
9	Hot Air Oven	Popular India	Working
10	Stability Chamber	NSW	Working
11	Water Bath Shaker	NSW	Working
12	pH Meter	-	Working
13	Hot Air Oven	NSW143	Working
14	Magnetic Stirrer	-	Working
15	Homogeniser	-	Working
16	Single Punch Tablet Machine	-	Working
17	Centrifuge	Remi	Working
18	Digital Dissolution Test Appratus	Campbell	Working
19	igital Dissolution Test Appratus	Lab India	Working
20	Diffusion Cell Test Appratus	Orchid	Working
21	Hygrometer	-	Working
22	Lyophilizer	Allied frost	Working
23	Suppository Mold	-	Working
24	Hot Air Oven (Small)	Popular	Working
25	Gel Strength Appratus	-	Working
26	MDT DT Apparatus	-	Working
27	Spreadability Test Appratus	-	Working
28	Bioadhesion Test Appratus	-	Not working
29	Extrudability Test Appratus	-	Working

Room ID: 018, 018A & 018B Lab. Name: Microbiology Department: Pharmaceutics

S. NO	Instrument Name	Make/ Company	Condition
1	Autoclave (Large)	Hinton	Working
2	Autoclave (small)	NSW INDIA	Working
3	Gel Electrophoresis Small	RIODE INDIA	Working
4	Paper Electrophoresis	RIODE INDIA	Working
5	Digital Colony Counter	MAX ELECTRONICS INDIA	Working
6	Antibiotic Zone Reader	ANALOG MODEL	Working
7	Binocular Microscope (2)	BIOPLUS-XL	Working
8	Optical Microscope(9)	DOLPHIN	Working
9	Hot Air Oven Double Door	NARANG SCIENTIFIC	Working
10	Electronic Balance	FURI	Working
11	Aseptic Cabinet		Working
12	Incubator	NARANG SCIENTIFIC	Working
13	B.O.D Incubator	PUNJAB INDUSTRIES JAIPUR	Working
14	Laminar Air Flow	KLENZ AIDS	Working
15	Refrigerator	WHIRLPOOL	Working
16	Tissue Culture Apparatus		Working
17	Fungal Incubator	MULTISPAN	Working
18	Air Curtain	TECHNO	Working
19	A.C	LLOYD	Working

Lab. No.- 019

Lab. Name: Machine room

Department: Pharmaceutics

S.No.	Instrument Name	Make/Company	Condition
1	Automated (semi)tablet punching machine	Cadmach machinery pvt. Ltd.	Working
2	Ball mill	Grass sc crop AC	Working
3	Bottle filling machine	Singh science industries	Working
4	Bottle washing machine	D.K instruments and chemicals	Working
5	Bottle sealing machine	Singla Scientific	Working
6	Bulk density machine	M/s Singh sciemce india mohali (PB)	Working
7	Capsule filling and sealing machine	M/s Grass Science corp. ac.	Working
8	Flask shaker	Singla Scientific	Working
9	Hand grinder	Singla Scientific	Working
10	Homogenizer	Singla Scientific	Working
11	Sieve shaker	Singla Scientific	Working
12	Single punch machines	Singla Scientific	Working
13	Small bottles and vials sealing machine	Singla Scientific	Working
14	Tablet coating machine		Working
15	Tablet counters	Singla Scientific	Working
16	Tincture pressure		Working
17	Willy mill		Working
18	Multi drive machine	Karlekor, Ahemdabad	Working

Room ID:102,102A

Name- Pharmaceuticals Lab

Lab - Department-Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Electric Water Bath	NARANG SCIENTIFIC LTD	Working
2	Ampoule Washing Machine	DK INSTRUMENTS AMBALA	Working
3	Ampoule Filling Machine	GRACE SCIENTIFIC AMBALA	Working
4	Red Wood Viscometer		Working
5	Homogenizer	OSWAL AMBALA CANTT	Working
6	Clarity test Apparatus	GRACE SCIENTIFIC AMBALA	Working
7	Percolator	DK INSTRUMENTS AMBALA	Working
8	Digital weighing balance	DK INSTRUMENTS AMBALA	Working
9	Magnetic Stirrer	DK INSTRUMENTS AMBALA	Working

Room ID:104,104A Lab.

Name- Pharmaceuticals Lab

Department-Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Electric Water Bath	NARANG SCIENTIFIC LTD	Working
2	Bulk Density Apparatus	SINGH SCIENTIFIC INDUS	Working
3	Disintegration Test Apparatus	GRACE SCIENTIFIC AMBALA	Working
4	Dissolution Test Apparatus	OSWAL AMBALA CANTT	Working
5	Hot Air Oven	PURI SCIENTIFIC STORE	Working
6	Friability Test Apparatus	GRACE SCIENTIFIC AMBALA	Working
7	Hot Plate	SINGH SCIENCE INDIA	Working
8	Magnetic Stirrer		Working

Room ID: 120 Lab. Name- Pharmacognosy Department- Pharmacognosy

S. NO	Instrument Name	Make/Company	Condition
1.	Centrifuge	Perfit	Working
2.	Digital Balance	Samson	Working
3.	Digital Balance	Wensar Weighing Scales Ltd.	Working
4.	Heating Mantle -21 (0.5, 1, 2 and 3 Litre)	Perfit	Working
5.	Hot air oven (Digital)	Narang	Working
6.	Hot Plate coil type	Perfit	Working
7.	Microscope -33 (Compound)	Dolphin and Perfit	Working
8.	Microscope -02 (Binocular)	Libra, Optsopes and Ambala made	Working
9.	Microscope (Trinocular)	Ambala made	Working
10.	Microscope -20 (Dissecting)	Dolphin	Working
11.	Microscope (Projection)	Ambala made	Working
12.	Muffle Furnace	Narang	Working
13.	Muffle Furnace	Ambala made	Working
14.	Moisture balance	Triode India	Working
15.	Mixer Grinder	Sujata	Working
16.	Micropipette	Microlit	Working
		Perfit	Working
		Perfit	Working
17.	Melting Point apparatus	Veegomake	Working
18.	Motic photomicroscope	Motic	Working
19.	pH meter	EI	Working
20.	Refrigerator	Samsung	Working
21.	Spinix Shaker	Spinix	Working
22.	Water bath 12 holes	NSW, Ambala	Working

Room ID: 015

Lab. Name

Pharm Chem Lab

Department : Pharm Chem

S. NO	Instrument Name	Make/Company	Condition
1	Hot air oven	Popular India	Working
2	Melting point apparatus	Singhla scientific	Working
3	Water bath	Perfit India	Working
4	Oil bath	Popular traders	Working
5	Vacuum pump	Value	Working
6	Microwave oven	Godrej	Working

Room ID:107 Lab. Name: Analysis lab Department: Pharm. Chem.

S. NO	Instrument Name	Make/Company	Model	Condition
1	Hot Air oven	Narang scientific work limited	NSW-143	working
2	Hot Air oven	Narang scientific work limited	NSW-143	Working
3	Karl-Fischer Titrimetry	Grace scientific		Working
4	Auto Karlfisher Titrimeter			Working
5	Water Bath Incubator Shaker	Narang scientific work limited	NSW-133	working
6	Water bath	Perfit		working

Room ID: 109

Lab. Name: Instrumental lab

Department: Pharm Chemistry

S. NO.	Instrument Name	Make/Company	Condition
1.	Online UPS	APC	Working
2	Double Beam Spectrophotometer	SHIMADZU	Working
3	Bath Sonicator		Working
4	Brookfield Viscometer	SHIMADZU Corporation	Working
5	Electronic Balance	SHIMADZU	Working
6	HPLC-LC solution	SHIMADZU	Working
7	Double Beam Spectrophotometer	Lab India	Working
8	FT-IR-ATR	Bruker	Working
9	Digital Photocolorimeter	Electronic India	Working
10	Digital Potentiometer		Working
11	Digital Conductimeter	M.S Electronic Pvt India	Working
12	Digital Photocolorimeter		Working
13	pH meter		Working
14	Digital Photofluorometer		Working
15	Digital Turbidometer	M.S Electronic Pvt India	Working
16	Dhona Balance		Working

Room ID: 305

Lab. Name: Pharmaceutical Chemistry

Department: Pharm Chem.

S. NO	Instrument Name	Make/Company	Condition
1	Refrigerator	Godrej	Working
2	Magnetic stirrer with hot plate	Remi equipment's	Working
3	Mechanical stirrer	Popular India	Working
4	Vaccum pump	Perfit	Working
5	Oil bath	Popular traders	Working
6	Digital balance	Citizen	Working
7	Physical balance	Avon balance works	Working
8	UV Cabinete	Popular India	Working
9	Hot air oven	Popular India	Working
10	Hot air oven	Popular India	Working
11	Rota vapor	Buchi labortechik Switzerland	Working

Room ID:308

Lab. Name Pharmachem lab

Department: Pharmaceutical Chemistry

S. NO	Instrument Name	Make/Company	Condition
1	Water bath	Popular India	Working
2	Fuming hood	Popular India	Working
3	Hot air oven	Popular India	Working
4	Centrifuge	Remi	Working
5	Digital balance	Furi	Working
6	Melting point	Permit India	Working
7	Digital photo colorimeter	Electronic India	Working
8	Deep freezer	Carrier	Working
9	Magnetic Stirrer	Remi Equipments	Working
10	Microprocessor flame photometer	Electronic India	Working

Room ID: 017

Lab. Name_Pharma Chem Lab

Department: Pharmaceutical Chemistry

S. No.	Instrument Name	Make/Company	Condition
1	Hot Plate	Popular India	Working
2	Hot Air Oven	Popular India	Working
3	Water Bath	Popular India	Working
4	Distillation Assembly	Perfit India	Working
5	Digital Balance	Furi	Working
6	Heating Mantle		Working
7	Physical Balance	Citizen	Working

Room ID:- 123

Lab. Name: Pharmaceutics

Department: Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Centrifuge	Grace Scientific	Working
2	Tincture press	Grace Scientific	Working
3	Capsule filling machine	Grace Scientific	Working
4	Hand grinding mill	Grace Scientific	Working
5	Clarity test apparatus	Grace Scientific	Working
6	Ball mill	Grace Scientific	Working
7	Percolator	Grace Scientific	Working
8	Analytical balance	Grace Scientific	Working
9	Ointment filling machine	Grace Scientific	Working
10	Tablet counter	NSW India	Working
11	Dissolution test apparatus	Oswal scientific	Working
12	Compound microscope	Singhea SCI. Ind Ambala	Working
13	Hot air oven	Singhea SCI. Ind Ambala	Working
14	Weighing balance	D.K. Inst. & Chem	Working
15	Bacteriological indicator	Punjab Industries Jaipur	Working

Room ID: 203A

Lab. Name: Sophisticated Lab

Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Stereotaxic Apparatus	INCO	Working
2.	Rotary Evaporator Apparatus	Heidolph	Working
3.	Tissue Homogenizer	Remi	Working
4.	Mechanical Stirrer	Hind Elec Motors	Working
5.	Centrifuge	Remi	Working
6.	Micro Centrifuge	Spinwin	Working
7.	Cooling Cetrifuge	Remi	Working
8.	Digital Tele Thermometer		Working
9.	Vortex Shaker	Spinix	Working
10.	Auto Analyzer,	MERCK	Working
11.	ELISA Reader	Bio Rad	Working
12.	Digital Analytical Weighing Balance	Sartorius	Working
13.	4- Channel Power Lab With Pressure Transducer	ADInstruments	Working
14.	Computer With UPS	Compaq	Working
15.	Ventilator (Power Lab)	INCO	Working

Room ID: 203

Lab. Names: M. Pharm Research Lab

Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Water Bath	NSW	Working
2.	Eddys Hot Plate	Grace Scientific	Working
3.	Passive Avoidance Test Apparatus	ROLEX	Working
4.	Pole Climb Apparatus	Grace Scientif	Working
5.	Electroconvulsimeter	IMCORP	Working
6.	Digital Actophotomete	IMCORP	Working
7.	Rotarod Apparatus	Grace Scientif	Working
8.	Hot Air Oven	Elcon	Working
9.	Open Field Apparatus	Local Made	Working
10.	Porsolt Forced Swim Test Apparatus	Borosil	Working
11.	Elevated Zero maze	Local Made	Working
12.	Mirror Chamber	Local Made	Working
13.	Hole-Board Test Apparatus	Local Made	Working
14.	Inclined Plane Apparatus	Local Made	Working
15.	Bar Test Apparatus	Local Made	Working
16.	Staircase	Local Made	Working
17.	Refrigerator Double Door	Samsung	Working

Room ID: 205

Lab. Names: M. Pharm Lab

Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Weighing Balance	Citizen	Working
2.	Animal Weighing Balance	Docubel Industry	Working
3.	Student Organ Bath	Grace Scientif	Working
4.	Sherrington Rotating Drum	INCO	Working
5.	Langendorff Heart Apparatus		Working
6.	Distillation/ Deionizer Unit	Aquoion	Not Working
7.	Operation Table	Grace Scientific	Working
8.	Elevated Plus Maze	Local Made	Working
9.	pH Meter	Heena Instruments	Working

Room ID: 208 Lab. Names: B. Pharm HAP Lab Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Microscope	Dolphin	Working
2.	Spiro Meter	INCO	Working
3.	Digital Spectrophotometer	Electronics India	Working
4.	Weight Machine		Working
5.	Sphygmomanometer	Bioplus Pagode	Working
6.	Stethoscope	Bioplus Konica	Working
7.	Hemometer (Hemoglobinometer)	Superior	Working
8.	Hemocytometer	Marienfeld	Working
9.	Thermometer	Thermo	Working
10.	Refrigerator	Whirlpool	Working

Room ID: 210 Lab. Names: B. Pharm Pharmacology Lab Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Weighing Balance	Citizen	Working
2.	Animal Weighing Balance	Local Brand	Working
3.	Student Organ Bath Double Unit	Research Electronics	Working
4.	Sherrington Rotating Drum	INCO	Working
5.	Rotarod Apparatus	Grace Scientific	Working
6.	Analgesimeter (Radiant Heat)		Working
7.	Digital Actophotomete	IMCORP	Working
8.	Electroconvulsimeter		Working
9.	Digital Tele Thermometer	Research Electronic	Working
10.	Elevated Plus Maze	Local Made	Working
11.	Plethysmograph Apparatus		Working
12.	Computer fitted Microscope with camera	Motic	Working

Room ID: 122 Lab. Names: HAP & Pharmacology Lab Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Microscope	Dolphin	Working
2.	Histamine Chamber	Grace Scientific	Working
3.	Student Organ Bath	Grace Scientif	Working
4.	Sherrington Rotating Drum	INCO	Working
5.	Sphygmomanometer	Bioplus Pagode	Working
6.	Stethoscope	Bioplus Konica	Working
7.	Digital Photocolorimeter	Electronics India	Working

Self-Assessment for Criterion 02

S. No.	Assessment Parameters	Marks	
		Prescribed	Institute
2	Program Curriculum and Teaching-Learning Processes	150	148
2.1	Program Curriculum	40	40
2.1.1	Delivery of Syllabus Contents and compliance of the curriculum for attainment of POs	10	10
2.1.2	State the delivery details of the contents beyond the Syllabus for the attainment of POs	20	20
2.1.3	Adherence to Academic Calendar	10	10
2.2	Teaching-Learning Processes	110	108
2.2.1	Initiatives in teaching and learning process	25	25
2.2.2	Quality of internal semester question papers, assignments and evaluation	10	10
2.2.3	Quality of Students projects	15	15
2.2.4	Initiatives related to Industry and/or Hospital interaction	20	18
2.2.5	Initiatives related to skill Development programs/industry internship/summer training	10	10
2.2.6	Continuous Evaluation Process	10	10
2.2.7	Quality of Experiments	20	20
	Total Marks	150	148
	Percentage	98.66%	



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -03 Course Outcomes (COs) and Program Outcomes (POs)



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

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CRITERION 3	Course Outcomes (COs) and Program Outcomes (POs)	100
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3. Course Outcomes (COs) and Program Outcomes (POs) (100)

3.1. Establish the correlation between the courses and the Program Outcomes (20)

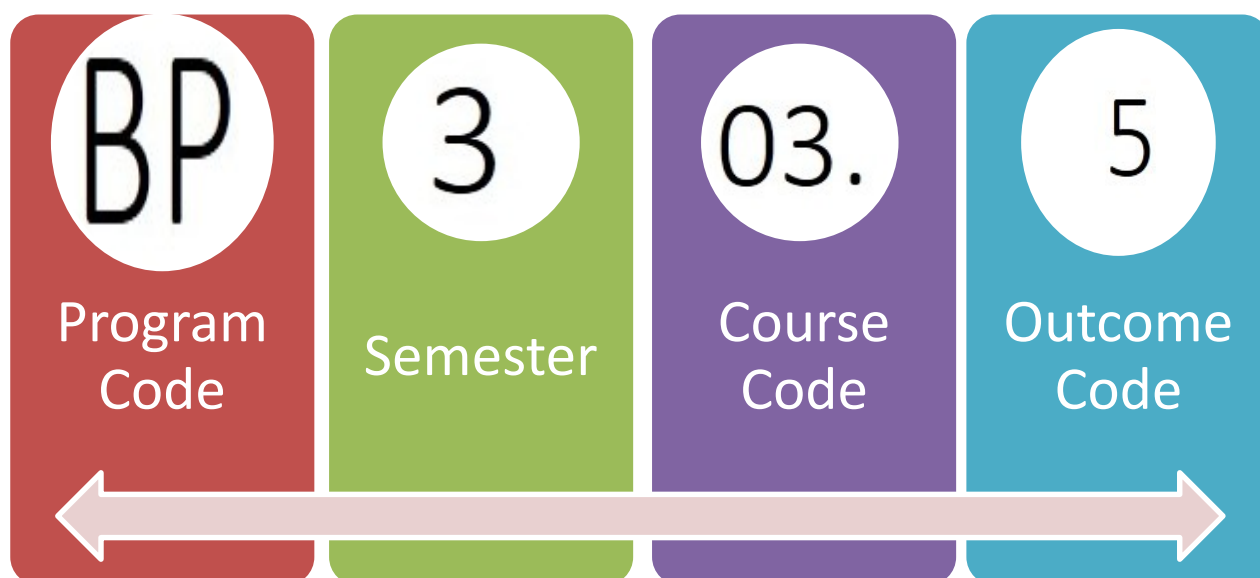
Program Outcome for B. Pharmacy as per NBA Annexure 01

S. No.	Program Outcome
1	Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.
2	Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
3	Problem analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
4	Modern tool usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
5	Leadership skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
6	Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
7	Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
8	Communication: Communicate effectively with the pharmacy community and with society at

	large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
9	The Pharmacist and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
10	Environment and sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
11	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.

3.1.1. Course Outcomes (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses) (05)

Course Coding System



The representation of Course Outcome (Cos) of B. Pharmacy Program of each semester of study are given below

B.PHARMACY 1st SEMESTER COURSEOUTCOMES	
Course Code: BP101T	Course Name: Human Anatomy and Physiology - I (Theory)
BP101.1	To recognize the various homeostatic mechanisms, basic anatomical terms and cellular level organization.
BP101.2	To summarize the characteristics of different types of tissues and their location in various organs
BP101.3	To organize the structure and functions of skin, bones and joints of human body.
BP101.4	To analyze the importance of blood, lymphatic system and immunity in human body.
BP101.5	To relate the physiology of sympathetic, parasympathetic, spinal/cranial nerves and organization of special senses.
BP101.6	To adapt the anatomy and physiology of heart and blood vessels.

B.PHARMACY 2nd SEMESTER COURSEOUTCOMES	
Course Code: BP203T	Course Name: Biochemistry (Theory)
BP203.1	To remember the properties, significance and metabolic reactions of carbohydrates, lipids, nucleic acids, proteins and amino acids
BP203.2	To understand the metabolism of carbohydrates and process of electron transport and ATP formation
BP203.3	To apply the concept of catalytic activity and enzyme inhibition in design of new drugs, diagnostic and therapeutic applications of enzyme
BP203.4	To distinguish the process of DNA replication, transcription and translation
BP203.5	To appraise the causes, manifestations and diagnosis of metabolic disorders
BP203.6	To discuss the metabolism of nucleic acids, lipids and amino acids

B.PHARMACY 3rd SEMESTER COURSE OUTCOMES

Course Code: BP302T		Course Name: Physical Pharmaceutics - I (Theory)
BP302.1	To recollect the states of matter and understand the applications of various physiochemical properties to design dosage forms.	
BP302.2	To gain knowledge of pH and buffers and their use in the stabilization of pharmaceutical formulations.	
BP302.3	To understand the principle of interfacial tension and the applications of surface active agents in drug solubilization.	
BP302.4	To describe the principles of diffusion in biological systems.	
BP302.5	To perceive and apply the concepts of complexation and protein binding in pharmacy.	
BP302.6	To elaborate the significance of physical properties of drug molecules in design and stability of dosage forms.	

B.PHARMACY 4th SEMESTER COURSE OUTCOMES

Course Code: BP402T		Course Name: Medicinal Chemistry - I (Theory)
BP402.1	To recall the various classes of medicinal compounds	
BP402.2	To explain the physicochemical properties, steric aspects of drugs and their metabolic pathways	
BP402.3	To identify the structural requirements of drugs to elicit biological response	
BP402.4	To categorize the drugs based on their mechanism of action and clinical uses	
BP402.5	To design the synthetic routes for medicinal compounds.	
BP402.6	To choose the appropriate medicinal compound for treatment of disease or disorder	

B.PHARMACY 5th SEMESTER COURSE OUTCOMES

Course Code: BP503T		Course Name: Pharmacology-II (Theory)
BP503.1	To relate the relative pros and cons in the use of drugs for various cardiac complications.	
BP503.2	To illustrate the drugs acting on hematopoietic system, shock diuretics and anti-diuretics.	
BP503.3	To identify the role of autocoids and related drugs.	
BP503.4	To analyze and summarize the drugs acting on endocrine system.	
BP503.5	To appraise the physiological role of sex hormones and to assess the effects of oral contraceptives and drugs acting on the uterus.	
BP503.6	To predict principles of bioassay and to construct the bioassay methods of various compounds.	

B.PHARMACY 6th SEMESTER COURSE OUTCOMES

Course Code: BP603T		Course Name : Herbal Drug Technology (Theory)
BP603.1	To recall the fundamental concepts of herbal raw materials and biodynamic agriculture techniques	
BP603.2	To understand the concept of nutraceuticals and herbal food interactions.	
BP603.3	To apply the knowledge for evaluation and preparation of herbal formulations.	
BP603.4	To remember the regulatory guidelines for the assessment of herbal drugs and patenting.	
BP603.5	To illustrate the scope and future prospects of the herbal drug industry.	
BP603.6	To establish and follow the SOP's, infrastructure of industries as per GMP	

B.PHARMACY 7th SEMESTER COURSE OUTCOMES

Course Code: BP701T		Course Name : Instrumental Methods of Analysis (Theory)
BP701.1	To understand selected instrumental analytical techniques (spectroscopic and chromatographic methods) and differentiate with volumetric analysis.	
BP701.2	To gain knowledge on interaction of EMR with matter and to build the analytical understanding at the level of atom, group and molecular structure of organic and inorganic compounds with different functional groups and their applications in pharmacy.	
BP701.3	To maximize knowledge on characterization and estimation of ions by spectroscopical techniques	
BP701.4	To simplify affinity of matter with stationary phase and mobile phase, physical and chemical properties of matter	
BP701.5	To elaborate various principles, theory and instruments employed for the characterization and analysis of drugs.	
BP701.6	To categorize different organic and inorganic compounds using suitable spectroscopic and chromatographic techniques.	

B.PHARMACY 8th SEMESTER COURSE OUTCOMES	
Course Code: BP804ET	Course Name : Pharmaceutical Regulatory Science (Theory)
BP804.1	To recall the concepts of Drug discovery, development process, clinical studies and generic drug product development.
BP804.2	To perceive the regulatory approval process and timelines for IND, NDA and ANDA and to know about changes to an approved NDA/ANDA.
BP804.3	To familiar with Regulatory authorities and agencies like India, USA, Europe, Australia, Japan and Canada.
BP804.4	To know the regulatory registration process of Indian drugs in overseas market which include to understand about technical documents like DMF, CTD, eCTD and ACTD.
BP804.5	To assimilate the process of clinical trials and pharmacovigilance as well as to understand obligations of GCP in clinical trials.
BP804.6	To understand the concepts of Regulatory science in pharmaceutical industry as well as to make use of regulatory guidelines, laws, acts, orange and purple book.

Observation:

1. The course outcome are set to 06 (six) for each course.
2. The course outcome set differently for theory and practical courses.
3. The course outcomes are based upon the concept based taken from each module/unit of the course syllabus.
4. The course outcomes are also based upon the learning outcomes of the module/unit.

3.1.2. CO-PO matrices of courses selected in 3.1.1 (four matrices to be mentioned; one per semester from 1st to 8th semester; atleast one per year) (05)

The program outcome (POs) are assigned to each course outcome (Cos) for each course (Subject) in each semester/year. The Cos matrixing with the POs are made by the faculty and HoD's of the respective department after understanding the PO's given in the Annexure-01 by NBA. Each Po was correlated with Cos as High (3), Moderate (2) Low (1) or No correlation (-). Average of POs for each course is obtained.

Course Code	Course Outcome	Program Outcome										
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T Human Anatomy and Physiology - I (Theory)	BP101.1	3	-	-	-	-	-	-	-	-	-	-
	BP101.2	2	-	-	-	-	-	-	-	-	-	-
	BP101.3	1	-	-	-	-	-	-	-	-	-	-
	BP101.4	1	-	1	2	-	1	-	-	-	-	-
	BP101.5	1	-	-	-	-	-	-	-	1	-	-
	BP101.6	1	-	-	-	-	1	-	-	1	-	-
Average	BP101	1.5	-	1	2	-	1	-	-	1	-	-

Course Code	Course Outcome	Program Outcome										
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP203T Biochemistry (Theory)	BP203.1	-	-	1	-	-	1	-	-	1	-	-
	BP203.2	1	-	1	-	-	-	-	-	-	-	-
	BP203.3	-	-	-	2	-	2	-	-	-	-	-
	BP203.4	1	-	-	-	-	-	-	-	1	-	-
	BP203.5	1	-	-	2	-	-	-	-	2	-	-
	BP203.6	-	-	1	-	-	-	-	-	-	-	-
Average	BP203	1	-	1	2	-	1.5	-	-	1.3	-	-

Course Code	Course Outcome	Program Outcome										
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP302T Physical Pharmaceutics - I (Theory)	BP302.1	3	-	-	-	-	-	-	-	-	-	-
	BP302.2	3	1	-	-	-	-	-	-	-	-	-
	BP302.3	3	-	-	-	-	-	-	-	-	-	-
	BP302.4	3	-	-	-	-	-	-	-	-	1	-
	BP302.5	-	-	-	-	-	-	-	-	1	-	-
	BP302.6	3	-	-	2	-	-	-	-	-	-	-
Average	BP302	3	1	-	2	-	-	-	-	1	1	-

Course Code	Course	Program Outcome										
	Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP402T Medicinal Chemistry – I (Theory)	BP402.1	1	-	-	-	-	2	-	-	-	-	-
	BP402.2	-	-	-	-	-	1	-	-	1	-	-
	BP402.3	-	-	-	3	-	-	-	-	-	-	1
	BP402.4	-	-	1	-	-	-	-	-	-	-	-
	BP402.5	-	1	1	3	-	-	-	-	-	-	-
	BP402.6	-	-	1	-	-	-	-	-	-	-	-
Average	BP402	1	1	1	3	-	1.5	-	-	1	-	1

Course Code	Course	Program Outcome										
	Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP503T Pharmacology- II (Theory)	BP503.1	1	-	-	-	-	1	-	-	1	-	-
	BP503.2	1	-	-	-	-	1	-	-	1	-	-
	BP503.3	1	-	-	-	-	-	-	-	1	-	1
	BP503.4	1	-	-	-	-	-	-	-	1	-	-
	BP503.5	1	-	-	-	-	1	-	-	2	-	-
	BP503.6	-	-	1	-	-	-	-	-	-	-	1
Average	BP503	1	-	1	-	-	1	-	-	1.5	-	1

Course Code	Course	Program Outcome										
	Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP603T Herbal Drug Technology (Theory)	BP603.1	1	-	-	-	-	-	-	-	-	1	-
	BP603.2	1	-	-	-	-	1	-	-	1	-	1
	BP603.3	-	3	1	-	-	-	-	-	-	-	-
	BP603.4	-	-	-	-	-	1	-	-	1	-	1
	BP603.5	1	-	-	-	-	1	-	-	-	-	1
	BP603.6	1	3	-	-	-	-	-	-	-	-	-
Average	BP603	1	3	1	-	-	1	-	-	1	1	1

Course Code	Course Outcome	Program Outcome										
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP701T Instrumental Methods of Analysis (Theory)	BP701.1	1	1	1	1	-	-	-	-	-	-	-
	BP701.2	1	-	2	-	-	-	-	-	-	-	-
	BP701.3	-	-	1	-	-	-	-	-	-	1	3
	BP701.4	-	-	2	1	-	-	-	-	-	-	3
	BP701.5	-	-	-	2	-	-	-	-	-	-	3
	BP701.6	-	1	1	-	-	-	-	-	-	-	-
Average	BP701	1	1	1.4	1.3	-	-	-	-	-	-	3

Course Code	Course Outcome	Program Outcome										
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP804ET Pharmaceutical Regulatory Science (Theory)	BP804.1	-	1	-	-	1	-	-	-	-	-	1
	BP804.2	1	1	-	-	-	1	-	-	-	-	-
	BP804.3	1	-	-	-	-	-	-	-	-	-	1
	BP804.4	-	1	-	-	-	-	-	-	-	-	1
	BP804.5	-	1	-	-	-	-	2	-	-	-	1
	BP804.6	1	1	-	-	-	-	-	-	-	-	1
Average	BP804	1	1	-	-	1	1	2	-	-	-	1

3.1.3. Course-PO matrix of courses for all four years of study (10)

B. Pharmacy Semester -01 Program Outcome											
Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101	1.5	-	1	2	-	1	-	-	1	-	-
BP102	1	-	3	1.5	-	-	-	-	-	-	-
BP103	3	-	2	-	-	1	-	-	1	-	-
BP104	1	-	3	--	-	1	-	-	1	1	-
BP105	-	-	-	-	2	1	2	1.5	-	-	1
BP106	1	-	-	-	--	-	-	-	1.3	1.5	1
BP106	1	1	1	1	-	-	-	-	-	-	-
BP107	2	-	-	2	-	1	-	1	1.25	-	1
BP108	1	3	1.6	-	-	-	-	-	-	-	-
BP109	3	-	-	-	-	-	1	-	-	-	-
BP110	1.5	3	1.3	1.3	-	-	-	-	2	2	1
BP111	-	1	-	-	1	1	1	1.5	-	2	1
BP112	1	1	-	1	-	-	-	-	1	-	-

B. Pharmacy Semester -02 Program Outcome

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP201	1.3	-	-	1	-	1	-	-	1.2	-	1
BP202	3	-	1	-	-	-	-	-	1	1	-
BP203	1	-	1	2	-	1.5	-	-	1.3	-	-
BP204	1.2	-	-	-	-	1.8	-	-	1.2	1	-
BP205	-	1	1	1.6	-	1.5	-	1	2	-	-
BP206	-	1	-	-	-	-	1	-	1	1.6	1
BP207	1	-	1	1.5	-	1.25	-	-	1.2	-	-
BP208	3	-	1	1	-	-	-	-	-	1	-
BP209	1	-	1	-	-	1	-	-	1	-	1
BP210	-	1	1	1	-	-	2	1.6	1	-	1

B. Pharmacy Semester -03 Program Outcome

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP301	3	-	1	-	-	1	1	-	1	1	-
BP302	3	1	-	2	-	-	-	-	1	1	-
BP303	3	1	2	-	-	-	-	-	1	1	-
BP304	3	-	2	-	-	-	-	-	-	1	-
BP305	3	1	1	-	-	-	-	-	-	1	-
BP306	1	-	1	-	-	-	-	-	1	-	1
BP307	3	2	1	-	-	1	-	-	1	1	-
BP308	3	-	1	-	-	-	-	-	-	-	-

B. Pharmacy Semester -04 Program Outcome

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP401	1	1	3	-	-	1	-	-	-	1	-
BP402	1	1	1	3	-	1.5	-	-	1	-	1
BP403	1	3	1	1	-	-	-	-	-	-	2
BP404	1.25	-	-	-	-	1	1	-	1.4	-	1
BP405	1	1	3	1	-	-	-	-	-	1	1
BP406	1	3	1	1	-	3	-	-	-	-	-
BP407	3	1	1	1	-	1	-	-	-	-	-
BP408	1	1	1	1.5	-	1	3	-	-	-	1
BP409	1	-		1	-	-	-	-	-	-	1

B. Pharmacy Semester -05 Program Outcome

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP501	1	1	1	1	-	1	-	-	-	-	3
BP502	3	1	1	1	-	1	-	-	-	1	-
BP503	1	-	1	-	-	1	-	-	1.5	-	1
BP504	1	3	1	2	-	-	-	-	-	-	1

BP505	1	-	-	-	-	1	1.5	-	1	-	1
BP506	3	1	1	-	-	-	-	-	-	-	2
BP507	1	1	1	1	-	-	-	-	1	-	1
BP508	1	1	3	1	-	--	-	-	-	-	-

B. Pharmacy Semester -06 Program Outcome

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP601	1	1	1	1.5	-	3		-	1	-	1
BP602	1.2	1	-	-	-	1	-	1	1.4	-	1
BP603	1	3	1	-	-	1	-	-	1	1	1
BP604	3	1	1	1	-	-	-	-	-	-	2
BP605	3	1	1	1.6	-	1	-	-	-	1	1
BP606	3	1	1	1	1	1	1	-	-	2	-
BP607	1	1	1	3	-	1	-	-	-	-	1
BP608	1	1	1.4	1	-	-	-	-	-	-	1
BP609	1	-	2	-	-	1	-	-	-	-	-

B. Pharmacy Semester -07 Program Outcome

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP701	1	1	1.4	1.3	-	-	-	-	-	-	3
BP702	3	2	-	1	1	1	1	-	-	-	1
BP703	1.6	1.4	1	1	1.5	1	1	1.6	1.6	-	-
BP704	3	2	2	-	-	1	-	-	-	-	1
BP705	1	3	1.6	1	-	1	-	-	1	-	1
BP706	-	1	1	-	3	1	1	1	1	-	1

B. Pharmacy Semester -08 Program Outcome

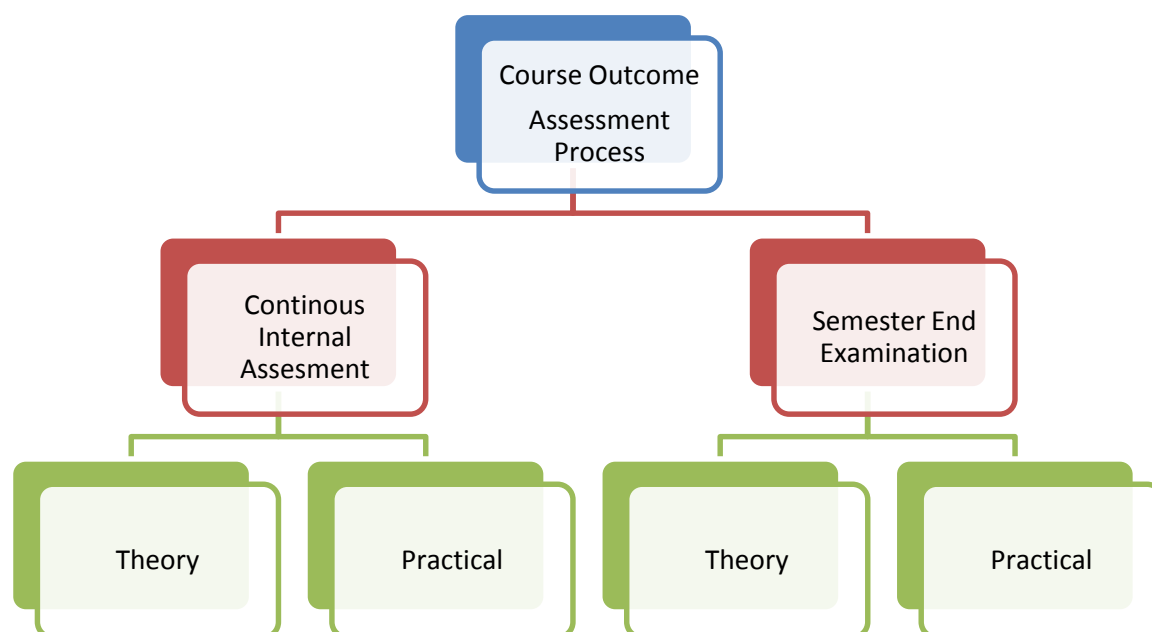
Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP801	-	1	1	1	-	-	-	-	-	-	-
BP802	3	-	-	-	-	1	1	1	1.3	1	1
BP803	1	1	1	-	-	-	-	1	-	-	-
BP804	1	1	-	-	1	1	2	-	-	-	1
BP805	1	1.2	1	1.2	1	1	1.25	2	1	-	-
BP806	3	-	1	2	-	1	-	-	1	-	-
BP807	1	1	1	1.4	-	1	-	-	-	-	3
BP808	1.4	1	1	1.3	-	1	1	-	-	1	1
BP809	3	-	2	1	-	-	-	-	-	1	1
BP810	1	1	1.5	1.4	-	-	2	-	-	1	1
BP811	1	-	1.25	3	-	1	1	-	-	1	-
BP812	1	2	3	-	-	1	-	-	1	-	1
BP813	3	2	1	1	-	-	-	-	-	1	1
BP814	1	1.3	3	-	1	1	1	2	1	-	1

3.2. Attainment of Course Outcomes (40)

3.2.1. Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

Course Outcomes Assessment Process

- The course outcome is assessed for both theory and practical courses separately.
- The course outcome is considered on both continuous internal evaluation and semester end examination evaluation.
- Attainment levels is set for both continuous internal evaluation and semester end examination evaluation.
- The continuous internal assessment for theory courses consist of mid-term sessional examination and continuous mode evaluation (Attendance, Academic activity and Students-Teacher interaction). For assessment of practical course is based upon mid-term sessional examination and continuous mode evaluation (Attendance, Practical record and regular viva voce).
- After fair and transparent examinations and evaluations, Number of students are computed who secured more marks than set level.
- Percentage of the students are calculated against numbers of students appeared in the exam.
- Attainment level is assigned according to the percentage of the students secured more then set marks.
- Same procedure is followed for assessment of course outcome attainment level through end semester examinations.
- The level of attainments will be set periodically on the basis of previous results/attainments.
- Final assessment of course outcome is the addition of 25% of internal assessment attainment level and 75% end semester assessment attainment level.



The data assessment process was collected from internal examinations (Theory and Practical) and End term examinations (Theory and Practical). B. Pharmacy syllabus framed by Pharmacy Council of India (PCI) was adopted from the academic year 2017-18. In the examination pattern 25 marks was allotted for theory internal examination and 75 marks allotted for theory End semester examination of total 100 marks. Similarly for practical, the total 50 marks is divided into 35 marks for end semester exam and 15 marks for internal examinations.

Type of Examination	Continuous Internal Examination	Semester End Examination	Total
Theory	25	75	100
Practical	15	35	50

Following assessment process are used to gather the data upon which the evaluation of Course outcome is based:

Continuous Internal Assessment: The course outcomes are assessed based upon the performance by the students in the internal exams in theory and practical courses. The weightage for internal assessment is 25%.

Semester End Examination: The examination is conducted by the University Theory and practical courses. The weightage for Semester End Examination is 75%.

Criteria for Pass: Candidates who have secured a minimum of 50% marks in theory (including sessional marks) and practical separately in any course shall be declared to have passed in that course. Theory and practical are considered as individual course for the purpose of pass criteria.

The assessment details are given in the following table:

Semester End Examination assessment format for PCI Syllabus

Component	Component of Evaluation	Nature of Examination
Theory	University Examination	MCQs or Objective type, Long Essay, Short Essay and Short Answer
Practical	University Examination	Synopsis, Major Experiment, Minor experiment and Viva –Voce

Internal Examination assessment format for PCI Syllabus

Component	Component of Evaluation	Nature of Examination
Theory	Sessional Examination	MCQs or Objective type, Long Essay, Short Essay and Short Answer
	Continuous Evaluation	Attendance, Academic activity and Students-Teacher interaction
Practical	Sessional Examination	Synopsis, Experiment and Viva –Voce
	Continuous Evaluation	Attendance, Practical record and regular viva voce

3.2.2. Record the attainment of Course Outcomes of all courses with respect to set attainment levels (30)

Attainment levels Vs. targets for Continuous Internal Assessment

Attainment Level 1: 60-70% students scoring more than 60% marks out of the relevant maximum marks is considered to be attainment of "1"

Attainment Level 2: 70.1-80% students scoring more than 60% marks out of the relevant maximum marks is considered to be attainment of "2"

Attainment Level 3: 80.1% and more students scoring more than 60% marks out of the relevant maximum marks is considered to be attainment of "3"

Attainment levels Vs. targets for End Semester Examination

Attainment Level 1: 60% students scoring more than University average percentage marks or 55% set attainment level in the final examination is considered to be attainment of "1"

Attainment Level 2: 70% students scoring more than University average percentage marks or 55% set attainment level in the final examination is considered to be attainment of "2"

Attainment Level 3: 80% students scoring more than University average percentage marks or 55% set attainment level in the final examination is considered to be attainment of "3"

Weightage: 80% weightage to University examination and 20% weightage to internal assessment, the attainment calculations.

Attainment levels Vs. targets for Continuous Internal Evaluation

Subject Code	Subject	INTERNAL EXAM					EXTERNAL EXAM					CO
		No. of Students Appeared	No. of Students Secured more than 60% of Marks in	Percentage of students	Attainment	Weightage	No. of Students	No. of Students Secured more than 55 % of	Percentage of students	Attainment	Weightage	Attainment
BP101T	Human Anatomy and Physiology I– Theory	63	45	71.43	2	0.5	51	51	100	3	2.25	2.75
BP102T	Pharmaceutical Analysis I – Theory	63	45	71.43	2	0.5	51	51	100	3	2.25	2.75
BP103T	Pharmaceutics I – Theory	63	47	74.60	2	0.5	51	51	100	3	2.25	2.75
BP104T	Pharmaceutical Inorganic Chemistry – Theory	63	48	76.19	2	0.5	51	51	100	3	2.25	2.75
BP105T	Communication skills – Theory	63	58	92.06	3	0.75	54	54	100	3	2.25	3
BP106RBT	Remedial Biology/	22	18	81.82	3	0.75	15	15	100	3	2.25	3
BP106RMT	Remedial Mathematics	39	39	100.00	3	0.75	35	35	100	3	2.25	3
BP107P	Human Anatomy and Physiology – Practical	63	47	74.60	2	0.5	51	51	100	3	2.25	2.75
BP108P	Pharmaceutical Analysis – Practical	63	50	79.37	2	0.5	51	51	100	3	2.25	2.75
BP109P	Pharmaceutics I – Practical	63	51	80.95	3	0.75	51	51	100	3	2.25	3
BP110P	Pharmaceutical Inorganic Chemistry –	63	53	84.13	3	0.75	51	51	100	3	2.25	3

	Practical											
BP111P	Communication skills – Practical*	63	57	90.48	3	0.75	54	54	100	3	2.25	3
BP112RBP	Remedial Biology – Practical*	22	19	86.36	3	0.75	15	15	100	3	2.25	3
BP201T	Human Anatomy and Physiology II – Theory	56	39	69.64	1	0.25	51	51	100	3	2.25	2.5
BP202T	Pharmaceutical Organic Chemistry I – Theory	56	55	98.21	3	0.75	51	51	100	3	2.25	3
BP203T	Biochemistry – Theory	56	46	82.14	3	0.75	51	51	100	3	2.25	3
BP204T	Pathophysiology – Theory	56	47	83.93	3	0.75	51	51	100	3	2.25	3
BP205T	Computer Applications in Pharmacy – Theory *	56	52	92.86	3	0.75	54	54	100	3	2.25	3
BP206T	Environmental sciences – Theory *	56	53	94.64	3	0.75	51	51	100	3	2.25	3
BP207P	Human Anatomy and Physiology II – Practical	56	53	94.64	3	0.75	51	51	100	3	2.25	3
BP208P	Pharmaceutical Organic Chemistry I– Practical	56	51	91.07	3	0.75	51	51	100	3	2.25	3
BP209P	Biochemistry – Practical	56	46	82.14	3	0.75	51	51	100	3	2.25	3
BP210P	Computer Applications in Pharmacy – Practical*	56	55	98.21	3	0.75	54	54	100	3	2.25	3
BP301T	Pharmaceutical Organic Chemistry II – Theory	59	54	91.53	3	0.75	54	54	100	3	2.25	3
BP302T	Physical Pharmaceutics I –Theory	59	56	94.92	3	0.75	54	54	100	3	2.25	3
BP303T	Pharmaceutical Microbiology –Theory	59	57	96.61	3	0.75	54	54	100	3	2.25	3
BP304T	Pharmaceutical Engineering –Theory	59	55	93.22	3	0.75	54	54	100	3	2.25	3
BP305P	Pharmaceutical Organic Chemistry II – Practical	59	56	94.92	3	0.75	54	54	100	3	2.25	3
BP306P	Physical Pharmaceutics I –Practical	59	57	96.61	3	0.75	54	54	100	3	2.25	3
BP307P	Pharmaceutical Microbiology – Practical	59	57	96.61	3	0.75	54	54	100	3	2.25	3
BP308P	Pharmaceutical Engineering –Practical	59	57	96.61	3	0.75	54	54	100	3	2.25	3
BP401T	Pharmaceutical Organic Chemistry III– Theory	57	56	98.25	3	0.75	54	54	100	3	2.25	3
BP402T	Medicinal Chemistry I – Theory	57	56	98.25	3	0.75	54	54	100	3	2.25	3
BP403T	Physical Pharmaceutics II –Theory	57	56	98.25	3	0.75	54	54	100	3	2.25	3
BP404T	Pharmacology I – Theory	57	48	84.21	3	0.75	54	54	100	3	2.25	3
BP405T	Pharmacognosy and Phytochemistry I– Theory	57	57	100.00	3	0.75	54	54	100	3	2.25	3
BP406P	Medicinal Chemistry I –Practical	57	57	100.00	3	0.75	54	54	100	3	2.25	3
BP407P	Physical Pharmaceutics II –Practical	57	57	100.00	3	0.75	54	54	100	3	2.25	3
BP408P	Pharmacology I – Practical	57	55	96.49	3	0.75	54	54	100	3	2.25	3
BP409P	Pharmacognosy and Phytochemistry I – Practical	57	55	96.49	3	0.75	54	54	100	3	2.25	3

BP501T	Medicinal Chemistry II – Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP502T	Industrial Pharmacy I– Theory	54	52	96.30	3	0.75	54	54	100	3	2.25	3
BP503T	Pharmacology II – Theory	54	46	85.19	3	0.75	54	54	100	3	2.25	3
BP504T	Pharmacognosy and Phytochemistry II– Theory	54	53	98.15	3	0.75	54	54	100	3	2.25	3
BP505T	Pharmaceutical Jurisprudence – Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP506P	Industrial Pharmacy I – Practical	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP507P	Pharmacology II – Practical	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP508P	Pharmacognosy and Phytochemistry II –Practical	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP601T	Medicinal Chemistry III –Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP602T	Pharmacology III – Theory	54	40	74.07	2	0.5	54	54	100	3	2.25	2.75
BP603T	Herbal Drug Technology –Theory	54	53	98.15	3	0.75	54	54	100	3	2.25	3
BP604T	Biopharmaceutics and Pharmacokinetics –Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP605T	Pharmaceutical Biotechnology– Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP606T	Quality Assurance –Theory	54	40	74.07	2	0.5	54	54	100	3	2.25	2.75
BP607P	Medicinal chemistry III –Practical	54	46	85.19	3	0.75	54	54	100	3	2.25	3
BP608P	Pharmacology III – Practical	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP609P	Herbal Drug Technology –Practical	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP701T	Instrumental Methods of Analysis – Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP702T	Industrial Pharmacy II –Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP703T	Pharmacy Practice – Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP704T	Novel Drug Delivery System –Theory	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP705P	Instrumental Methods of Analysis – Practical	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP706PS	Practice School*	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP801T	Biostatistics and Research Methodology	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP802T	Social and Preventive Pharmacy	54	54	100.00	3	0.75	54	54	100	3	2.25	3
BP803ET	Pharma Marketing Management	8	8	100.00	3	0.75	8	8	100	3	2.25	3
BP804ET	Pharmaceutical Regulatory Science	25	25	100.00	3	0.75	25	25	100	3	2.25	3
BP805ET	Pharmacovigilance	5	5	100.00	3	0.75	5	5	100	3	2.25	3
BP807ET	Computer Aided Drug Design	1	1	100.00	3	0.75	1	1	100	3	2.25	3
BP808ET	Cell and Molecular Biology	8	8	100.00	3	0.75	8	8	100	3	2.25	3
BP809ET	Cosmetic Science	20	20	100.00	3	0.75	20	20	100	3	2.25	3
BP810ET	Experimental Pharmacology	7	7	100.00	3	0.75	7	7	100	3	2.25	3
BP811ET	Advanced Instrumentation Techniques	2	2	100.00	3	0.75	2	2	100	3	2.25	3
BP813ET	Pharmaceutical Product Development	32	32	100.00	3	0.75	32	32	100	3	2.25	3
BP814PW	Project Work	54	54	100.00	3	0.75	54	54	100	3	2.25	3

3.3. Attainment of Program Outcomes (40)

3.3.1. Describe assessment tools and processes used for assessing the attainment of each PO (10)

The assessment tools and processes together data was tabulated below. The course outcome are mapped for B. Pharmacy Program Outcome. The attainment of course outcome achieved for 2017-2021 batch are translated into program outcome based on the CO-PO matrices.

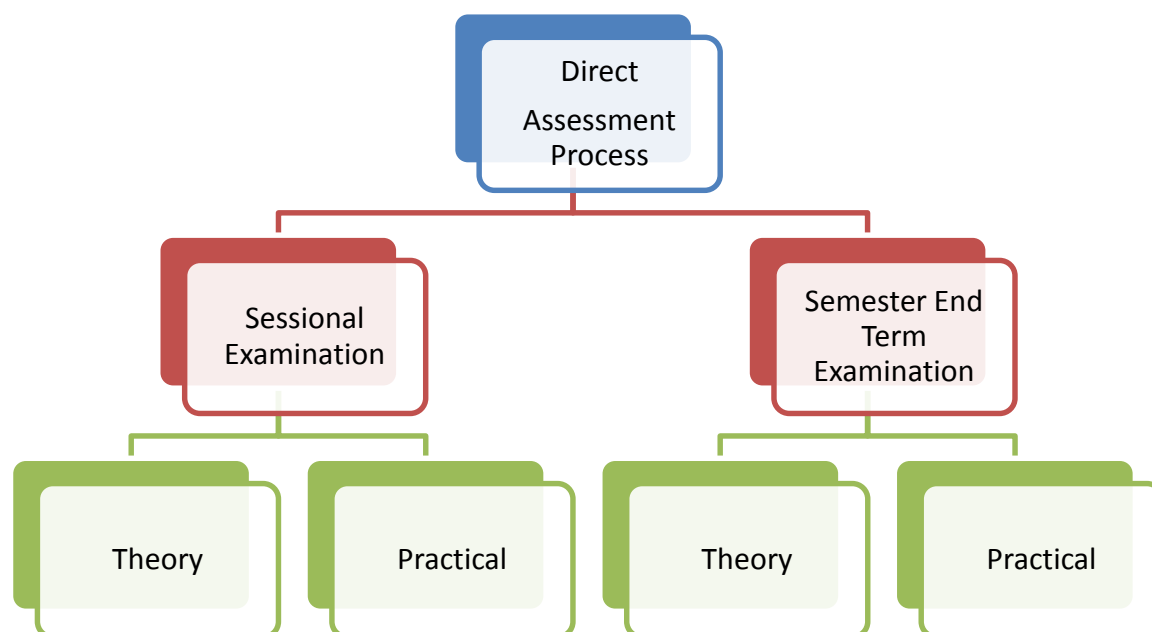
The following are the assessment tools:

Direct Assessment Tool:

The various direct assessment tools are used to assess the PO attainment level as following:

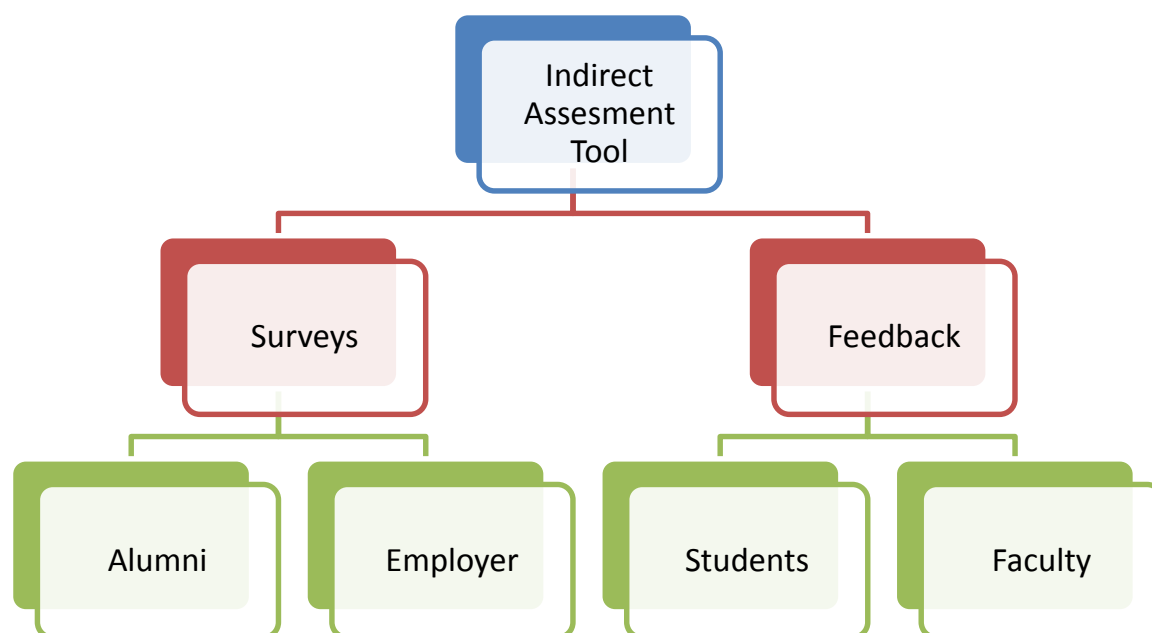
Sessional Examination: In these examinations the students are assessed for understanding of the fundamental concepts, analytical thinking, planning abilities and expression of knowledge gained.

Semester End Term Examination: In these examination also, the students are assessed for accomplishment of fundamental concepts of knowledge, planning abilities and expression of practical skills.



Indirect Assessment Tools:

The tools for indirect assessment are broadly classified as follows:



Alumni Feedback: Alumni of the college are major stakeholder to contribute for quality enhancement. A feedback form is provided to all alumni who had attended convocation and alumni meet or online google form.

Employer Feedback: Employers are the best feedback provider to the institute about their students. A feedback form is provided to all alumni who had attend convocation and alumni meet or online google form. A feedback form is provided to all alumni who had attend convocation and alumni meet or online google form.

Student / Graduate Feedback: Students are the important evaluators, who could provide feedback to acquire knowledge skills gained therefor each student asked to provide feedback at the end of 8th semester. Feedback from outgoing graduates is a direct evidence for assessing the appropriateness of the successful implementation of the curriculum. The feedback form encompasses the details of the graduates aptitudes imbibed and equipped by the graduates.

Faculty Feedback: Faculty are the one of the important stakeholder to cherish many aspirations for the holistic development of their students. The teachers are well known evaluator of the students that how much student gain from the studies and complete the program outcomes.

Sample of Online Feedback Form:

Employer Program Outcome Exit Survey

Batch 2017-2021

* Required

1. Email *

2. Name *

3. Mobile Number *

4. Name of Organization *

Please give your feedback on Completion of B. Pharmacy Program Our Student (EMPLOYEE of your Company) attained the which level (3-High; 2-Medium; 1-Low) of following Outcome

5. PO-1: Pharmacy Knowledge *

3-High; 2-Medium; 1-Low

Mark only one oval.

☐ 3☐ 2☐ 1

6. PO-2: Planning Abilities *

3-High; 2-Medium; 1-Low

Mark only one oval.

☐ 3☐ 2☐ 1

7. PO-3: Problem analysis *

3-High; 2-Medium; 1-Low

Mark only one oval.

☐ 3☐ 2☐ 1

8. PO-4: Modern tool usage *

3-High; 2-Medium; 1-Low

Mark only one oval.

☐ 3☐ 2☐ 1

9. PO-5: Leadership skills *

3-High; 2-Medium; 1-Low

Mark only one oval.

- ☐ 3
☐ 2
☐ 1

10. PO-6: Professional Identity *

3-High; 2-Medium; 1-Low

Mark only one oval.

- ☐ 3
☐ 2
☐ 1

11. PO-7: Pharmaceutical Ethics *

3-High; 2-Medium; 1-Low

Mark only one oval.

- ☐ 3
☐ 2
☐ 1

12. PO-8: Communication *

3-High; 2-Medium; 1-Low

Mark only one oval.

- ☐ 3
☐ 2
☐ 1

13. PO-9: The Role of Pharmacist in society *

3-High; 2-Medium; 1-Low

Mark only one oval.

- ☐ 3
☐ 2
☐ 1

14. PO-10: Environment and sustainability *

3-High; 2-Medium; 1-Low

Mark only one oval.

- ☐ 3
☐ 2
☐ 1

15. PO-11: Life-long learning *

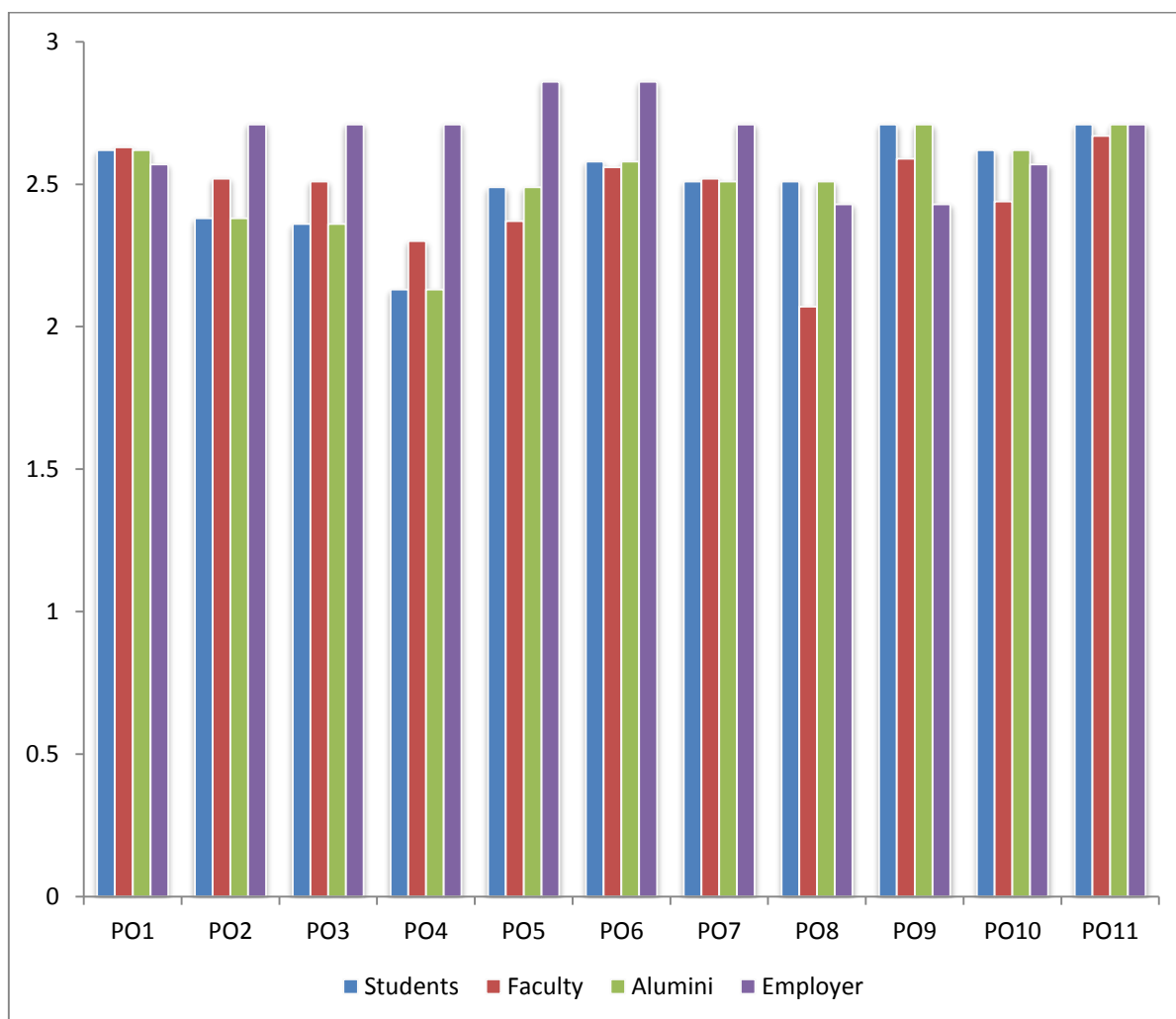
3-High; 2-Medium; 1-Low

Mark only one oval.

- ☐ 3
☐ 2
☐ 1

Average PO Average PO Calculated based on various Feedback/Survey for Batch 2017-2021

Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Students	2.62	2.38	2.36	2.13	2.49	2.58	2.51	2.51	2.71	2.62	2.71
Faculty	2.63	2.52	2.51	2.3	2.37	2.56	2.52	2.07	2.59	2.44	2.67
Alumni	2.62	2.38	2.36	2.13	2.49	2.58	2.51	2.51	2.71	2.62	2.71
Employer	2.57	2.71	2.71	2.71	2.86	2.86	2.71	2.43	2.43	2.57	2.71



Weightage for Direct and Indirect assessment set by Institution to calculate POs attainment is given below:

80% weightage is given to direct assessment and 20% weightage is given to indirect assessment. In indirect assessment directly feedback and survey are emphasized on the score of 03; 02; 01.

3.3.2. Provide results of evaluation of each PO (30)

Direct Assessment

Subject Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
BP101T	3	0	2.75	3	0	2.75	0	0	2.75	0	0
BP102T	2.75	0	3	3	0	0	0	0	0	0	0
BP103T	3	0	3	0	0	2.75	0	0	2.75	0	0
BP104T	2.75	0	3	0	0	2.75	0	0	2.75	2.75	0
BP105T	0	0	0	0	3	3	3	3	0	0	3
BP106RBT	2.75	0	0	0	0	0	0	0	3	3	2.75
BP106RMT	3	3	3	3	0	0	0	0	0	0	0
BP107P	3	0	0	3	0	2.75	0	2.75	3	3	2.75
BP108P	2.75	3	3	0	0	0	0	0	0	0	0
BP109P	3	0	0	0	0	0	3	0	0	0	0
BP110P	3	3	3	3	0	0	0	0	3	3	3
BP111P	0	3	0	0	3	3	3	3	0	3	3
BP112RBP	3	3	0	3	0	0	0	0	3	0	0
BP201T	3	0	0	2.5	0	2.5	0	0	3	0	2.5
BP202T	3	0	3	0	0	0	0	0	3	3	0
BP203T	3	0	3	3	0	3	0	0	3	0	0
BP204T	3	0	0	0	0	3	0	0	3	3	0
BP205T	0	3	3	3	0	3	0	3	3	0	0
BP206T	0	3	0	0	0	0	3	0	3	3	3
BP207P	3	0	3	3	0	3	0	0	3	0	0
BP208P	3	0	3	3	0	0	0	0	0	3	0
BP209P	3	0	3	0	0	3	0	0	3	0	3
BP210P	0	3	3	3	0	0	3	3	3	0	3
BP301T	3	0	3	0	0	3	3	0	3	3	0
BP302T	3	3	0	3	0	0	0	0	3	3	0
BP303T	3	3	3	0	0	0	0	0	3	3	0
BP304T	3	0	3	0	0	0	0	0	0	3	0
BP305P	3	3	3	0	0	0	0	0	0	3	0

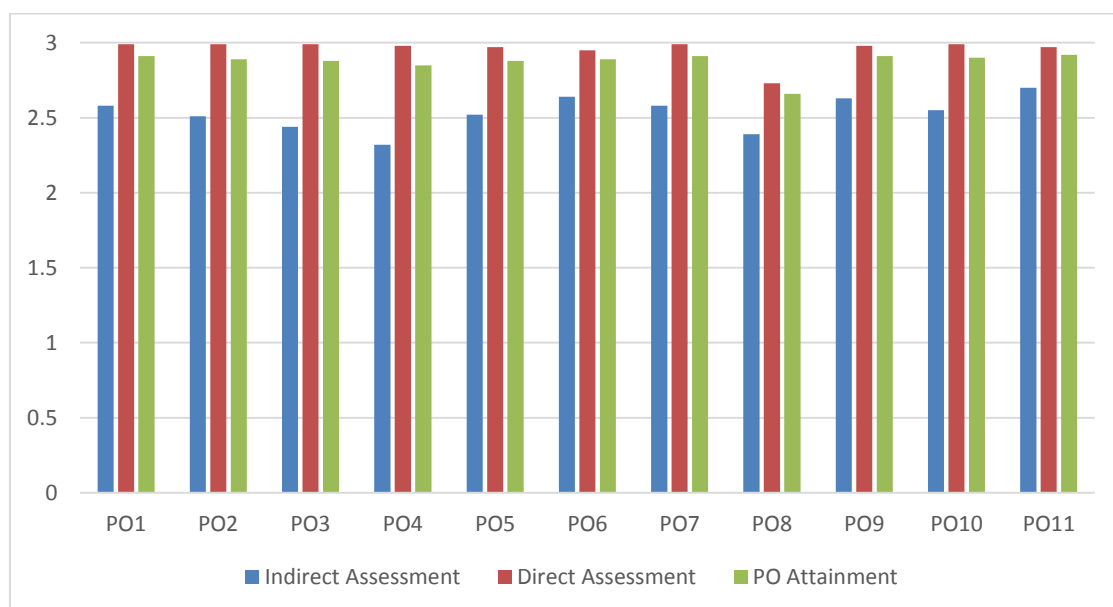
BP306P	3	0	3	0	0	0	0	0	3	0	3
BP307P	3	3	3	0	0	3	0	0	3	3	0
BP308P	3	0	3	0	0	0	0	0	0	0	0
BP401T	3	3	3	0	0	3	0	0	0	3	0
BP402T	3	3	3	3	0	3	0	0	3	0	3
BP403T	3	3	3	3	0	0	0	0	0	0	3
BP404T	3	0	0	0	0	3	3	0	3	0	3
BP405T	3	3	3	3	0	0	0	0	0	3	3
BP406P	3	3	3	3	0	3	0	0	0	0	0
BP407P	3	3	3	3	0	3	0	0	0	0	0
BP408P	3	3	3	3	0	3	3	0	0	0	3
BP409P	3	0	0	3	0	0	0	0	0	0	3
BP501T	3	3	3	3	0	3	0	0	0	0	3
BP502T	3	3	3	3	0	3	0	0	0	3	0
BP503T	3	0	3	0	0	3	0	0	3	0	3
BP504T	3	3	3	3	0	0	0	0	0	0	3
BP505T	3	0	0	0	0	3	3	0	3	0	3
BP506P	3	3	3	0	0	0	0	0	0	0	3
BP507P	3	3	3	3	0	0	0	0	3	0	3
BP508P	3	3	3	3	0	0	0	0	0	0	0
BP601T	3	3	3	3	0	3	0	0	3	0	3
BP602T	3	2.75	0	0	0	2.75	0	2.75	3	0	2.75
BP603T	3	3	3	0	0	3	0	0	3	3	3
BP604T	3	3	3	3	0	0	0	0	0	0	3
BP605T	3	3	3	3	0	3	0	0	0	3	3
BP606T	3	2.75	2.75	2.75	2.75	2.75	2.75	0	0	3	0
BP607P	3	3	3	3	0	3	0	0	0	0	3
BP608P	3	3	3	3	0	0	0	0	0	0	3
BP609P	3	0	3	0	0	3	0	0	0	0	0

BP701T	3	3	3	3	0	0	0	0	0	0	3
BP702T	3	3	0	3	3	3	3	0	0	0	3
BP703T	3	3	3	3	3	3	3	3	3	0	0
BP704T	3	3	3	0	0	3	0	0	0	0	3
BP705P	3	3	3	3	0	3	0	0	3	0	3
BP706PS	0	3	3	0	3	3	3	3	3	0	3
BP801T	0	3	3	3	0	0	0	0	0	0	0
BP802T	3	0	0	0	0	3	3	3	3	3	3
BP803ET	3	3	3	0	0	0	0	3	0	0	0
BP804ET	3	3	0	0	3	3	3	0	0	0	3
BP805ET	3	3	3	3	3	3	3	3	3	0	0
BP806ET	0	0	0	0	0	0	0	0	0	0	0
BP807ET	3	3	3	3	0	3	0	0	0	0	3
BP808ET	3	3	3	3	0	3	3	0	0	3	3
BP809ET	3	0	3	3	0	0	0	0	0	3	3
BP810ET	3	3	3	3	0	0	3	0	0	3	3
BP811ET	3	0	3	3	0	3	3	0	0	3	0
BP812ET	0	0	0	0	0	0	0	0	0	0	0
BP813ET	3	3	3	3	0	0	0	0	0	3	3
BP814PW	3	3	3	0	3	3	3	3	3	0	3
PO Attainment	2.99	2.99	2.99	2.98	2.97	2.95	2.99	2.73	2.98	2.99	2.97
80% Attainment	2.39	2.39	2.39	2.38	2.38	2.36	2.39	2.18	2.38	2.39	2.38

Indirect Assessment

Type of feedback	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Alumni Feed back	2.62	2.38	2.36	2.13	2.49	2.58	2.51	2.51	2.71	2.62	2.71
Employer Feedback	2.57	2.71	2.71	2.71	2.86	2.86	2.71	2.43	2.43	2.57	2.71
Graduate Feed Back	2.50	2.42	2.27	2.15	2.35	2.56	2.56	2.56	2.77	2.56	2.71
Faculty Feed Back	2.63	2.52	2.41	2.30	2.37	2.56	2.52	2.07	2.59	2.44	2.67
Average	2.58	2.51	2.44	2.32	2.52	2.64	2.58	2.39	2.63	2.55	2.70
20% Attainment	0.52	0.50	0.49	0.46	0.50	0.53	0.52	0.48	0.53	0.51	0.54

Assessment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
Indirect Assessment	2.58	2.51	2.44	2.32	2.52	2.64	2.58	2.39	2.63	2.55	2.70
Direct Assessment	2.99	2.99	2.99	2.98	2.97	2.95	2.99	2.73	2.98	2.99	2.97
PO Attainment	2.91	2.89	2.88	2.85	2.88	2.89	2.91	2.66	2.91	2.90	2.92
Percent Achieved	97.00	96.33	96.00	95.00	96.00	96.33	97.00	88.67	97.00	96.67	97.33



Self-Assessment for Criterion 03

S. No.	Assessment Parameters	Marks	
		Prescribed	Institute
3	Course Outcomes (COs) and Program Outcomes (POs)	100	98
3.1.	Establish the correlation between the courses and the Program Outcomes	20	20
3.1.1	Course Outcomes (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses)	05	05
3.1.2.	CO-PO matrices of courses selected in 3.1.1 (four matrices to be mentioned; one per semester from 1st to 8th semester; atleast one per year)	05	05
3.1.3	Course-PO matrix of courses for all four years of study	10	10
3.2	Attainment of Course Outcomes	40	40
3.2.1	Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)	10	10
3.2.2	Record the attainment of Course Outcomes of all courses with respect to set attainment levels (30)	30	30
3.3	Attainment of Program Outcomes (40)	40	38
3.3.1	Describe assessment tools and processes used for assessing the attainment of each PO	10	10
3.3.2	Provide results of evaluation of each PO	30	28
TOTAL		100	98
Percentage		98.00%	



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -04 Students' Performance



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

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CRITERION 4	Students' Performance	180
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4. Students' Performance (180)

Item	CAY 2021-22	CAYm1 2020-21	CAYm2 2019-20	CAYm3 2018-19
Sanctioned intake of the program (N)	100	60	60	60
Total number of students admitted in first year (N1)	100	67	62	61
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	00	04	01	04
Total number of students admitted in the Program (N1 + N2)	100	71	63	65

4.1. Enrolment Ratio (20)

Enrolment Ratio = $N1/N$

Academic Year	Sanctioned intake of the program (N)	Total number of students admitted in first year (N1)	Enrolment Ratio = $N1/N$	Percent Student enrolled (%)
CAY 2021-22	100	100	1	100
CAYm1 2020-21	60	60	1	100
CAYm2 2019-20	60	60	1	100

Average of ER1+ER2+ER3/3= 100%

Item (Students enrolled at the First Year Level on average basis during the previous three academic years starting from current academic year)	Marks
>=90% students enrolled	20
>=80% students enrolled	18
>=70% students enrolled	16
>=60% students enrolled	12
>=50% students enrolled	08
<50% students enrolled	00

4.2 Success Rate in the stipulated period of the program (50)

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated without backlogs in any year of study (Without backlog means no compartment/failure in any semester/year of study)			
		I Year	II Year	III Year	IV Year
CAY 2021-22	100				
CAYm1 2020-21	71	21			
CAYm2 2019-20	63	33	26		
CAYm3 2018-19	66	14	14	14	
CAYm4(LYG) 2017-18	67	29	29	29	29
CAYm5 (LYGm1) 2016-17	62	22	19	19	19
CAYm6 (LYGm2) 2015-16	63	23	23	23	23

Year of entry	Number of students admitted in 1st year + admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated (Students with backlog in stipulated period of study)			
		I Year	II Year	III Year	IV Year
CAY 2021-22	100				
CAYm1 2020-21	71	57			
CAYm2 2019-20	63	57	58		
CAYm3 2018-19	66	48	52	52	
CAYm4(LYG) 2017-18	67	50	53	53	53
CAYm5 (LYGm1) 2016-17	62	45	44	44	44
CAYm6 (LYGm2) 2015-16	63	39	39	39	39

4.2.1 Success rate without backlogs in any year of study (30)

$SI = (\text{Number of students who graduated from the program without backlog}) /$

$\{(\text{Number of students admitted in the first year of that batch}) \text{ plus } (\text{lateral entry students admitted in second year of study})\}$

Average SI = Mean of success index (SI) for past three batches

Success rate without backlogs in any year of study = $30 \times \text{Average SI}$

Item	Latest Year of Graduation (LYG) 2017-18	Latest Year of Graduation minus 1 (LYGm1) 2016-17	Latest Year of Graduation minus 2 (LYGm2) 2015-16
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry	67	62	63
Number of students who have graduated without backlogs in the stipulated period	29	19	23
Success index (SI)	0.43	0.31	0.37
Average SI [(SI1 + SI2 + SI3) / 3]	0.37		
Assessment = $30 \times \text{Average SI}$	11.10		

Note: If 100% students clear without any backlog then also total marks scored will be 50 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.2.2 Success rate with backlog in stipulated period of study (20)

$SI = (\text{Number of students who graduated from the program in the stipulated period of course duration}) / \{(\text{Number of students admitted in the first year of that batch}) + (\text{lateral entry students admitted in second year of study})\}$

Average SI = mean of success index (SI) for past three batches

Success rate = $20 \times \text{Average SI}$

Item	Latest Year of Graduation (LYG) 2017-18	Latest Year of Graduation (LYGm1) 2016-17	Latest Year of Graduation (LYGm2) 2015-16
Number of students admitted in the corresponding First Year+ admitted in 2nd year via lateral entry	67	62	63
Number of students who have graduated with backlog in the stipulated period	53	44	39
Success index (SI)	0.79	0.70	0.61
Average SI [(SI1 + SI2 + SI3) / 3]	0.71		
Assessment = $20 \times \text{Average SI}$	14.20		

4.3 Academic Performance in Final Year (10)

Academic Performance = Average API

Academic Performance Index(API) = ((Mean of Final Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Final Year/10)) \times (successful students/number of students appeared in the examination)

Successful students are those who passed in all the final year courses

Academic Performance	LYG 2017-18	LYGm1 2016-17	LYGm2 2015-16
Mean of CGPA or Mean Percentage of all successful students (X)	8.18	8.02	7.55
Total no. of successful students (Y)	53	44	39
Total no. of students appeared in the examination (Z)	53	44	39
API = $X \times (Y/Z)$	API1=8.18	API2=8.02	API3=7.55
Academic Performance=Average API =(AP1 + AP2 + AP3)/3	7.92		

4.4 Academic Performance in Third Year (10)

Academic Performance = Average API

Academic Performance Index(API) = ((Mean of 3rd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Final Year/10)) x (successful students/number of students appeared in the examination)

Successful students are those who passed in all the third year courses

Academic Performance	CAYm3 2018-19	LYG 2017-18	LYGm1 2016-17
Mean of CGPA or Mean Percentage of all successful students (X)	8.26	7.91	7.29
Total no. of successful students (Y)	52	53	44
Total no. of students appeared in the examination (Z)	55	53	44
API = x* (Y/Z)	API1=7.81	API2=7.91	API3=7.29
Academic Performance=Average API =(AP1 + AP2 + AP3)/3	7.67		

4.5 Academic Performance in Second Year (10)

Academic Performance = Average API

Academic Performance Index(API) = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Final Year/10)) x (successful students/number of students appeared in the examination)

Successful students are those who passed in all the second year courses

Academic Performance	CAYm2 2019-20	CAYm3 2018-19	LYG 2017-18
Mean of CGPA or Mean Percentage of all successful students (X)	7.91	8.27	7.81
Total no. of successful students (Y)	58	55	53
Total no. of students appeared in the examination (Z)	58	55	54
API = x* (Y/Z)	API1=7.91	API2=8.27	API3=7.67
Academic Performance=Average API =(AP1 + AP2 + AP3)/3	8.05		

4.6 Academic Performance in First Year (20)

*Academic Performance = 2.0 * Average API*

Academic Performance Index (API) = ((Mean of 1st Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in first Year/ 10)) x (successful students/number of students appeared in the examination)

Successful students are those who passed in all the first year courses

Academic Performance	CAYm1 2020-21	CAYm2 2019-20	CAYm3 2018-19
Mean of CGPA or Mean Percentage of all successful students (X)	7.89	7.77	8.03
Total no. of successful students (Y)	57	57	48
Total no. of students appeared in the examination (Z)	67	62	61
API = x* (Y/Z)	API1=6.71	API2=7.14	API3=6.32
Average API =(AP1 + AP2 + AP3)/3	6.72		
Academic Performance=2* Average API	2*6.72=13.45		

4.7 Placement and Higher Studies (40)

Assessment Points = 40 × (x + y)/N

Item	LYG (2017-18)	LYGm1 (2016-17)	LYGm2 (2015-16)
Total No. of Final Year Students (N)	53	44	39
Number of students placed in Industries/ Hospitals/ Government sector through on/off campus recruitment or opted for Entrepreneurship(x)	36	26	33
No. of students admitted to higher studies with valid scores in various qualifying exams(y)	17	18	06
x + y	53	44	39
Placement Index : (x + y)/N	1	1	1
T = Average of (x + y)/N	1		
Assessment = 40 X T	40		

4.8 Professional Activities (20)

4.8.1 Professional societies / chapters and organizing pharmacy events (5):

The college has associated with the societies like APTI, IPA, IGPA, SPER, PRISAL etc. The college has approved chapters of SPER and PRISAL. The college has their own NSS Unit.

Sponsored /Collaborative Programs Organized

S. No.	Year	Date	Type	Title	Sponsored By	No. of Attendee	PO
1.	2022	26-04-2022	Seminar	WORLD INTELLECTUAL PROPERTY DAY	PRISAL	55	2,3,4
2.	2022	08-03-2022	Seminar	INTERNATIONAL WOMENS DAY	IIT Ropar	100	8,9
3.	2022	04-02-2022	Seminar	WORLD CANCER DAY	Red Cross Society	100	1,2,5,9
4.	2021	02-12-2021	Seminar	NATIONAL POLLUTION PREVENTION DAY	SPER	150	2,5,9
5.	2021	25-09-2021	Rally and Seminar	WORLD PHARMACIST DAY	Institute	250	2,5,6,8,9
6.	2021	22-09-2021	Workshop	ICT TOOLS IN TEACHING, LEARNING AND RESEARCH	Peoples University	200	1,2,4,8,11
7.	2021	09-14-08-2021	FDP	CAPACITY BUILDING OF TEACHERS	GGSCOP	135	1,2,4,8,11
8.	2021	24-29 -05-2021	STTP	COMPUTER AIDED DRUG DESIGN: A CUSTOMIZED AND INNOVATIVE SOLUTION TO THE GREATEST CHALLENGE IN CHEMISTRY –PHASE IV	AICTE	121	1,2,4,8,11
9.	2021	10-15 -05-2021	STTP	COMPUTER AIDED DRUG DESIGN: A CUSTOMIZED AND INNOVATIVE SOLUTION TO THE GREATEST CHALLENGE IN CHEMISTRY –PHASE III	AICTE	121	1,2,4,8,11
10.	2021	26-06-2021	Seminar	WORLD INTERNATIONAL PROPERTY DAY	Institute	50	2,5
11.	2021	22-04-2021	Competition	INTERNATIONAL EARTH DAY	Institute	35	2,5,8
12.	2021	08-04-2021	Seminar	WORLD HEALTH DAY	Institute	125	1,2,5,8

13.	2021	15-20 -03-2021	STTP	COMPUTER AIDED DRUG DESIGN: A CUSTOMIZED AND INNOVATIVE SOLUTION TO THE GREATEST CHALLENGE IN CHEMISTRY –PHASE II	AICTE	104	1,2,4,8, 11
14.	2021	08-03-2021	Seminar	INTERNATIONAL WOMENS DAY	Institute	95	2,5
15.	2021	28-02-2021	ONLINE WEBINAR	NATIONAL SCIENCE DAY 2021	APTI-Punjab Branch	125	1,2,5,8
16.	2021	11-16-Jan-2021	STTP	COMPUTER AIDED DRUG DESIGN: A CUSTOMIZED AND INNOVATIVE SOLUTION TO THE GREATEST CHALLENGE IN CHEMISTRY –PHASE	AICTE	104	1,2,4,8, 11
17.	2020	25-09-2020	ONLINE WEBINAR	WORLD PHARMACIST DAY	SPER	120	1,2,5,9
18.	2020	12-5-2020	ONLINE WEBINAR	CLINICAL OPPORTUNITIES IN POST CORONA ERA	ANOVAS INSTITUTE OF CLINICAL RESEARCH CHANDIGARH	400	1,2,5,8, 11
19.	2020	29-5-2020	ONLINE NATIONAL WEBINAR	LESSON TO LEARN FROM CORONA : NATURAL WAY OF PREVENTION	-	900	1,2,5,8, 11
20.	2020	10-7-2020 15-7-2020	Workshop	SKILL DEVELOPMENT	-	130	2,5,8
21.	2019	1-1-2019 TO 5-1-2019	FDP	IMPROVEMENT IN TEACHING AND RESEARCH SKILLS: NEED OF HOUR	IKG PTU	60	2,5,8
22.	2019	21-1-2019	WORKSHO P	PHARMACY WEEK	-	300	1,2,5,8, 11
23.	2019	22-2-2019	JOB FAIR	-	PUNJAB GOVERMENT	500	2,5
24.	2019	10-3-2019	WORKSHO P	RESUME WRITING	-	100	2,5
25.	2019	26-3-2019	SEMINAR	CLINICAL RESEARCH DEVELOPMENT	-	50	1,2,5,9
26.	2019	9-7-2019	SEMINAR	PHARMACEUTICAL MANAGEMENT	-	50	1,2,5,8, 11
27.	2019	21-09-2019	SEMINAR	RECENT ADVANCEMENT IN EXPERIMENTAL TECHNIQUES IN PRE-CLINICAL RESEARCH AND TRAINING	INASSOCIATION WITH A.D INSTRUMENT	500	1,2,5,9
28.	2019	26-9-2019	JOB FAIR	JOB IN EVERY HOME(UNDER SCHEME)	PUNJAB GOVERMENT	800	2,5

29.	2019	5-10-2019 TO 19-10-2019	FDP	ENHANCING MORAL, ETHICAL AND EMOTIONAL COMPETENCIES IN PHARMACY STUDENTS: NEED OF SHIFT IN PARADIGM IN PEDAGOGY	AICTE	100	1,2,5,9
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The following Activities are organized in during different Academic Years

Academic Year	Activity	Nature of Activity	Date	PO
2019	National Pharmacy Week	Academics	January 21-27	1, 2, 5, 6, 8, 9
	National Girl Child Day	Cultural	January 24	9
	Republic Day	Patriotic	January 26	7,8
	International Women Day	Cultural	March 8	8, 9
	Holi Celebration	Cultural	March 20	2, 7, 8
	Blood Donation Camp	Social	March 25	2, 5, 6, 9
	International Yoga Day	Physical	June 21	2, 9,11
	Teej Celebrations	Cultural	August 3	2,11
	Independence Day	Patriotic	August 15	2,10,11
	Job Fair	Academics	September 26	2, 5
	World Pharmacist Day	Academics	September 25	2, 5, 6, 8, 9
	National Unity Day	Social	October 31	2, 5
	Free Medical Camp	Social	November 16	2, 5, 6, 9
2020	World Intellectual Property Day	Academics	April 28	2, 3, 4
	World Environment Day	Social	June 5	2, 5
	COVID-19 Awareness Campaign	Social	July 2	1, 2, 9, 11
	Independence Day	Patriotic	August 15	2, 5
	World Pharmacist Day	Academics	September 25	2, 5, 6, 8, 9
	Gandhi Jayanti	Patriotic	October 2	2,5
2021	Republic Day	Patriotic	January 26	7,8
	National Science Day	Academics	February 28	1, 2, 5, 8
	International Women Day	Cultural	March 8	8, 9
	World Health Day	Social	April 7	1, 2, 5, 8
	World Earth Day	Social	April 22	2, 8, 9
	World Intellectual Property Day	Academics	April 28	2, 5
	Teej Celebrations	Cultural	August 10	2,11
	Independence Day	Patriotic	August 15	2, 10, 11
	Teachers Day	Academics	September 5	2, 9
	World Pharmacist Day	Academics	September 25	2, 5, 6, 8, 9
	Blood Donation Camp	Social	September 28	2, 5
	National Pollution Prevention Day	Social	December 2	2, 5, 9
2022	National Youth Day	Cultural	January 12	2, 5
	Republic Day	Patriotic	January 26	7, 8
	World Cancer Day	Social	February 4	1, 2, 5, 9
	National Science Day	Academics	February 28	2, 5
	International Women Day	Cultural	March 8	8, 9
	World Intellectual Property Day	Academics	April 26	2, 3, 4

4.8.2. Publication of technical magazines, newsletters, etc. (5)

S.NO.	Name of Publication	Name of Editors	Frequency
01	Communique	Chief Editor- Prof.(Dr.) Shailesh Sharma Editor- Ms. Gurminder Kaur Alumni Editor- Mr. Baljeet Singh Student Editor- Ms. Akansha Singh	Tri-annual



National Youth Day Observed

National Youth Day celebrations were organized, observing 159th birth anniversary of Swami Vivekananda by Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy, Bela. This day is celebrated because the Indian government felt that the philosophy and teachings of Swami Vivekananda could be a source of great inspiration for the youth of India.

On this occasion online poster making competitions were organized for all the students of the college. After that the college Director Dr. Shailesh Sharma and Chief Guest of programme Dr. Mamta Arora told the importance of youth day and Swami Vivekananda. Dr. Mamta Arora enlightens Swami Vivekananda's life by saying that he is spiritual philosopher, and is credited for popularizing the Vedantic ideas. She also shares her ideas on how the young should participate in the modern world while upholding their values. At the end of the programme, Mr. Satnam Singh (Programme Co-ordinator) expressed his gratitude to all the people present.



Wish You All

A Very Happy New Year



Chief Editor- Prof.(Dr.) Shailesh Sharma
 Editor- Ms. Gurminder Kaur
 Alumni Editor- Mr. Baljeet Singh
 Student Editor- Ms. Akansha Singh
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Vision
 To provide quality education and training to enable students to face emerging challenges of the globalized technology, competitiveness and entrepreneurship.
Mission
 To develop as a center of excellence in Pharmaceutical education integrating with scientific and modern concepts of technical knowledge with basic human ethos and values.

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The Pioneer Pharmacy Institute of Punjab



The Pioneer Pharmacy Institute of Punjab



4.8.3. Participation in inter-institute events by students of the program of study (10)

Students of our college participated in the different sports, cultural and academic activities and wins the prizes at the level of institute, inter-university and state level.

S.no.	Academic Year	Category	Name of Student	Roll No.	Class	Activity	Prize
1.	2018	Academics	Navni Sharma	1623301	M. Pharmacy	Poster presentation	2 nd
2.	2018	Sports	Jagmeet singh	1623258	B. Pharmacy	Taekwondo	Gold Medal
3.	2018	Academics	Akansha singh	1721941	B. Pharmacy	National Essay writing competition	2 nd
4.	2018	Cultural	Ramandeep Kaur	1721994	B. Pharmacy	Group Shabad	2 nd
5.	2018	Cultural	Gurinder Singh	1527716	B. Pharmacy	Group Shabad	2 nd
6.	2018	Cultural	Charankamal Saini	1623237	B. Pharmacy	Group Shabad	2 nd
7.	2018	Cultural	Jaskiran Kaur	1721967	B. Pharmacy	Group Shabad	2 nd
8.	2018	Cultural	Navneet Kaur	1623269	B. Pharmacy	Group Shabad	2 nd
9.	2018	Cultural	Prabhjot Kaur	1721988	B. Pharmacy	Group Shabad	2 nd
10.	2018	Cultural	Navjot Singh	1527748	B. Pharmacy	Play	1 st
11.	2018	Cultural	Prabhdeep Singh	1636973	B. Pharmacy	Play	1 st
12.	2018	Cultural	Neha Chandel	1813062	M. Pharmacy	Play	1 st
13.	2018	Cultural	Akashdeep	1722028	M. Pharmacy	Play	1 st
14.	2018	Cultural	Sadhna Rawat	1721996	B. Pharmacy	Play	1 st
15.	2018	Cultural	Sarabjeet Kaur	1721998	B. Pharmacy	Play	1 st
16.	2018	Cultural	Kareena Basin	1813033	B. Pharmacy	Play	1 st
17.	2018	Cultural	Yudhvir Singh	1813033	B. Pharmacy	Play	1 st
18.	2018	Cultural	Gagandeep Singh	1527714	B. Pharmacy	Play	1 st
19.	2018	Cultural	Taranjeet singh	1527768	B. Pharmacy	Mimicry	Ist
20.	2018	Cultural	Jyoti	1722019	M. Pharmacy	Clay modelling	2 nd
21.	2018	Cultural	Akansha Singh	1721941	B. Pharmacy	Creative writing	2 nd
22.	2018	Cultural	Akashdeep singh	1722028	M. Pharmacy	Play	Best Actor
23.	2018	Cultural	Kareena	1812997	B. Pharmacy	Play	Best Actress
			Neha		M. Pharmacy		
24.	2018	Cultural	Sahil	1721997	B. Pharmacy	Mime	1 st
25.	2018	Cultural	Yatin Bhanot	1623286	B. Pharmacy	Mime	1 st
26.	2018	Cultural	Mukesh Kumar	1721982	B. Pharmacy	Mime	1 st
27.	2018	Cultural	Aks	1623227	B. Pharmacy	Mime	1 st
28.	2018	Cultural	Akansha Singh	1721941	B. Pharmacy	Mime	1 st
29.	2018	Cultural	Sakshi	1735131	B. Pharmacy	Mime	1 st
30.	2018	Cultural	Gagandeep Singh	1527714	B. Pharmacy	Skit	1 st

31.	2018	Cultural	Akashdeep	1722028	B. Pharmacy	Skit	1 st
32.	2018	Cultural	Taranjeet Singh	1527768	B. Pharmacy	Skit	1 st
33.	2018	Cultural	Deepak Shrivastar	1722006	B. Pharmacy	Skit	1 st
34.	2018	Cultural	Pralad Singh	1527753	B. Pharmacy	Skit	1 st
35.	2018	Cultural	Jaspreet Kaur	1812994	B. Pharmacy	Skit	1 st
36.	2018	Cultural	Jaspreet Kaur	1527730	B. Pharmacy	Light Indian vocal	2 nd
37.	2018	Cultural	Prachi	1527757	B. Pharmacy	Debate	3 rd
38.	2018	Cultural	Akansha Singh	1721941	B. Pharmacy	Debate	3 rd
39.	2018	Cultural	Rajkaranvir Singh	1527761	B. Pharmacy	Bhangra	1 st
40.	2018	Cultural	Lovepreet Singh	1527737	B. Pharmacy	Bhangra	1 st
41.	2018	Cultural	Harinder Singh	1623249	B. Pharmacy	Bhangra	1 st
42.	2018	Cultural	Navneet Arora	1527749	B. Pharmacy	Bhangra	1 st
43.	2018	Cultural	Jagmeet Singh	1623258	B. Pharmacy	Bhangra	1 st
44.	2018	Cultural	Navpreet Singh	1527751	B. Pharmacy	Bhangra	1 st
45.	2018	Cultural	Harpreet Singh	1623253	B. Pharmacy	Bhangra	1 st
46.	2018	Cultural	Sukhdeep Singh	1813026	B. Pharmacy	Bhangra	1 st
47.	2018	Cultural	Satnam Singh	1722026	M. Pharmacy	Bhangra	1 st
48.	2018	Cultural	Jaswinder Singh	1636968	B. Pharmacy	Bhangra	1 st
49.	2018	Cultural	Aradhna	1623232	B. Pharmacy	Poem Recitation	3 rd
50.	2018	Cultural	Damini Puri	1722005	M. Pharmacy	Collage making	2 nd
51.	2018	Cultural	Akansha Singh	1721941	B. Pharmacy	Western group song	2 nd
52.	2018	Cultural	Simranjeet Kaur	1636975	B. Pharmacy	Western group song	2 nd
53.	2018	Cultural	Kamalpreet Kaur	1721971	B. Pharmacy	Western group song	2 nd
54.	2018	Cultural	Mannat Agarwal	1721979	B. Pharmacy	Western group song	2 nd
55.	2018	Cultural	Yatin Bhanot	1323286	B. Pharmacy	Western group song	2 nd
56.	2018	Cultural	Aks	1622227	B. Pharmacy	Western group song	2 nd
57.	2018	Cultural	Parampreet Kaur	1527756	B. Pharmacy	Giddha	2 nd
58.	2018	Cultural	Simranjeet Kaur	1813046	B. Pharmacy	Giddha	2 nd
59.	2018	Cultural	Jaspreet Kaur	1813050	B. Pharmacy	Giddha	2 nd
60.	2018	Cultural	Sarabjeet Kaur	1623278	B. Pharmacy	Giddha	2 nd
61.	2018	Cultural	Mandeep Kaur	1527738	B. Pharmacy	Giddha	2 nd
62.	2018	Cultural	Har simranpreet Kaur	1527724	B. Pharmacy	Giddha	2 nd
63.	2018	Cultural	Maninderjeet Kaur	1527740	B. Pharmacy	Giddha	2 nd
64.	2018	Cultural	Gurpreet Kaur	1623247	B. Pharmacy	Giddha	2 nd
65.	2018	Cultural	Navjot Kaur	1722003	B. Pharmacy	Giddha	2 nd
66.	2018	Cultural	Ashanpreet Kaur	1623234	B. Pharmacy	Giddha	2 nd
67.	2018	Cultural	Navdeep Kaur	1813038	B. Pharmacy	Giddha	2 nd

68.	2019	Academics	Akansha Singh	1721941	B. Pharmacy	Essay Writing Competition	3 rd
69.	2019	Sports	37 Students		B. Pharmacy M. Pharmacy	Marathon	Participated
70.	2019	Cultural	Varinder Singh	1911601	B. Pharmacy	Light Indian vocal	1 st
71.	2019	Cultural	Akansha singh	1721981	B. Pharmacy	Western solo song	1 st
72.	2019	Cultural	Akanksha Singh	1721941	B. Pharmacy	Western group song	1 st
73.	2019	Cultural	Isha	1812993	B. Pharmacy	Western group song	1 st
74.	2019	Cultural	Kamalpreet Kaur	1721971	B. Pharmacy	Western group song	1 st
75.	2019	Cultural	Prabhjot Singh	1813016	B. Pharmacy	Western group song	1 st
76.	2019	Cultural	Yatin Bhanot	1323286	B. Pharmacy	Western group song	1 st
77.	2019	Cultural	Aks	1623227	B. Pharmacy	Western group song	1 st
78.	2019	Cultural	Akanksha Singh	1721941	B. Pharmacy	Indian group song	2 nd
79.	2019	Cultural	Isha	1812993	B. Pharmacy	Indian group song	2 nd
80.	2019	Cultural	Kamalpreet Kaur	1721971	B. Pharmacy	Indian group song	2 nd
81.	2019	Cultural	Prabhjot Singh	1813016	B. Pharmacy	Indian group song	2 nd
82.	2019	Cultural	Yatin Bhanot	1323286	B. Pharmacy	Indian group song	2 nd
83.	2019	Cultural	Aks	1623227	B. Pharmacy	Indian group song	2 nd
84.	2019	Cultural	Navneet Kaur	1623269	B. Pharmacy	Shabad singing	2 nd
85.	2019	Cultural	Gurwinder Singh	191633	B. Pharmacy	Shabad singing	2 nd
86.	2019	Cultural	Gurneet Kaur	162345	B. Pharmacy	Shabad singing	2 nd
87.	2019	Cultural	Jaskiran Kaur	1721967	B. Pharmacy	Shabad singing	2 nd
88.	2019	Cultural	Prabhjot Kaur	1721988	B. Pharmacy	Shabad singing	2 nd
89.	2019	Cultural	Charankamal Saini	1623237	B. Pharmacy	Shabad singing	2 nd
90.	2019	Cultural	Harinder Singh	1623249	B. Pharmacy	Bhangra	3 rd
91.	2019	Cultural	Simarpreet Singh	1813023	B. Pharmacy	Bhangra	3 rd
92.	2019	Cultural	Navpreet Singh	1527751	B. Pharmacy	Bhangra	3 rd
93.	2019	Cultural	Sukhdeep Singh	1813026	B. Pharmacy	Bhangra	3 rd
94.	2019	Cultural	Amandeep Singh	1812978	B. Pharmacy	Bhangra	3 rd
95.	2019	Cultural	Harpreet Singh	1623253	B. Pharmacy	Bhangra	3 rd
96.	2019	Cultural	Jaswinder Singh	1623257	B. Pharmacy	Bhangra	3 rd
97.	2019	Cultural	Harshdeep Singh		B. Pharmacy	Bhangra	3 rd
98.	2019	Cultural	Jagmeet Singh	1623258	B. Pharmacy	Bhangra	3 rd
99.	2019	Cultural	Kamaljeet Singh	1812995	B. Pharmacy	Bhangra	3 rd
100.	2019	Cultural	Aradhna	1623232	B. Pharmacy	Short story	3 rd

101.	2019	Cultural	Jagjodh Singh	1911561	B. Pharmacy	Folk song	1 st
102.	2019	Cultural	Jagjodh Singh	1911561	B. Pharmacy	Vaar singing	1 st
103.	2019	Cultural	Mohit Bhandhari	1623267	B. Pharmacy	Vaar singing	1 st
104.	2019	Cultural	Ankita Rana	1623230	B. Pharmacy	One act play	1 st
105.	2019	Cultural	Amandeep Kaur	1721942	B. Pharmacy	One act play	1 st
106.	2019	Cultural	Shivani	1722001	B. Pharmacy	One act play	1 st
107.	2019	Cultural	Akash Memami	1911545	B. Pharmacy	One act play	1 st
108.	2019	Cultural	Kareena Bhasen	1812997	B. Pharmacy	One act play	1 st
109.	2019	Cultural	Jaspreet Kaur	1812994	B. Pharmacy	One act play	1 st
110.	2019	Cultural	Raman Kumar	1813040	B. Pharmacy	One act play	1 st
111.	2019	Cultural	Gurpreet Singh Randhawa	1911611	B. Pharmacy	One act play	1 st
112.	2019	Cultural	Sahil	1721997	B. Pharmacy	Mime	1 st
113.	2019	Cultural	Yatin Bhanot	1623286	B. Pharmacy	Mime	1 st
114.	2019	Cultural	Mukesh Kumar	1721982	B. Pharmacy	Mime	1 st
115.	2019	Cultural	Aks	1623227	B. Pharmacy	Mime	1 st
116.	2019	Cultural	Akansha Singh	1721941	B. Pharmacy	Mime	1 st
117.	2019	Cultural	Sakshi	1735131	B. Pharmacy	Mime	1 st
118.	2019	Cultural	Navjot Kaur	1722003	B. Pharmacy	Giddha	1 st
119.	2019	Cultural	Simranjeet Kaur Lohat	1813046	B. Pharmacy	Giddha	1 st
120.	2019	Cultural	Gurpreet Kaur	1623247	B. Pharmacy	Giddha	1 st
121.	2019	Cultural	Gurpreet Kaur	1623247	B. Pharmacy	Giddha	1 st
122.	2019	Cultural	Mandeep Kaur	1527738	B. Pharmacy	Giddha	1 st
123.	2019	Cultural	Sheenam Miglani	1911594	B. Pharmacy	Giddha	1 st
124.	2019	Cultural	Jasleen Kaur	1911564	B. Pharmacy	Giddha	1 st
125.	2019	Cultural	Jasmine Randhawa	1911565	B. Pharmacy	Giddha	1 st
126.	2019	Cultural	Harleen Kaur	1721960	M. Pharmacy	Giddha	1 st
127.	2019	Cultural	Navdeep Kaur	1813038	M. Pharmacy	Giddha	1 st
128.	2019	Cultural	Hardeep Kaur	1721957	M. Pharmacy	Giddha	1 st
129.	2019	Cultural	Amritpal Kaur	1813058	M. Pharmacy	Giddha	2 nd
130.	2019	Cultural	Jaspreet Kaur	1812994	B. Pharmacy	Skit	2 nd
131.	2019	Cultural	Pushpinder Singh	1911641	B. Pharmacy	Skit	2 nd
132.	2019	Cultural	Gurpreet Singh Randhawa	1911611	B. Pharmacy	Skit	2 nd
133.	2019	Cultural	Raman Kumar	1813040	B. Pharmacy	Skit	2 nd
134.	2019	Cultural	Rohit Singh	1911587	B. Pharmacy	Skit	2 nd
135.	2019	Cultural	Sahil	1833769	B. Pharmacy	Skit	2 nd
136.	2019	Cultural	Abhinav Gupta	1812974	B. Pharmacy	Mimicry	2 nd
137.	2019	Cultural	Naina	1813037	B. Pharmacy	Mehndi	2 nd
138.	2019	Cultural	Seema Sharma		B. Pharmacy	Mehndi	2 nd
139.	2019	Cultural	Akansha Singh	1721941	B. Pharmacy	Elocution	2 nd
140.	2019	Cultural	Gurpreet Kaur	1623247	B. Pharmacy	Giddha	Best Dancer
141.	2019	Cultural	Shivani	1722201	B. Pharmacy	Play	Best Actress
142.	2019	Cultural	Akansha Singh	1721981	B. Pharmacy	Overall	Best

							Participant
143.	2020	Academics	Akansha Singh	1721981	B. Pharmacy	Essay Writing Competition	3 rd
144.	2021	Academics	Gurpreet kaur	2010001	Phd	Poster making category in international E-conference	1 st
145.	2021	Academics	Akansha Singh	1721981	B. Pharmacy	Essay Writing Competition	1 st
146.	2022	Academics	Manish panchal	214724	M. Pharmacy	Poster presentation	3 rd
147.	2022	Academics	Manish panchal	214724	M. Pharmacy	Best paper award	1 st

Self-Assessment for Criterion 04

S. No.	Assessment Parameters	Marks	
		Prescribed	Institute
4	Students' Performance	180	142.39
4.1	Enrolment Ratio	20	20
4.2	Success Rate in the stipulated period of the program	50	25.30
4.2.1	Success rate without backlogs in any year of study	30	11.10
4.2.2	Success rate with backlog in stipulated period of study	20	14.20
4.3	Academic Performance in Final Year	10	7.92
4.4	Academic Performance in Third Year	10	7.67
4.5	Academic Performance in Second Year	10	8.05
4.6	Academic Performance in First Year	20	13.45
4.7	Placement and Higher Studies	40	40
4.8	Professional Activities	20	20
4.8.1	Professional societies / chapters and organizing pharmacy events	05	05
4.8.2	Publication of technical magazines, newsletters, etc.	05	05
4.8.3	Participation in inter-institute events by students of the program of study	10	10
	Total Marks	180	142.39
	Percentage	79.10%	



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -05 Faculty Information and Contributions



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

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CRITERION 5	Faculty Information and Contributions	175
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5. Faculty Information and Contributions (175)

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Ph.D. granted during the Assessment Year	Current Designation	(Designated as Prof/Assoc.	Initial Date of Joining	Association Type	working with the Institution(Ye	In case of NO, Date of Leaving	IS HOD?
Dr. Shailesh Sharma	BMMPS3564E	M.Pharm and Ph.D	3/11/2011	Pharmaceutics	78	5	6	Professor	31/03/2017	22/01/2007	Regular	Yes		Yes
Dr. Sandeep Kumar	AGDPK3232H	M.Pharm and Ph.D	3/5/2013	Pharmaceutics	65	1	0	Professor	1/1/2015	21/02/1998	Regular	Yes		No
Dr. Satnam Singh	ARFPS4655M	M.Pharm and Ph.D	21/03/2015	Pharmacognosy	15	0	0	Professor	19/06/2019	1/10/2002	Regular	Yes		No
DR SUMANLATA	ABXPL9193R	M.Pharm and Ph.D	18/01/2019	Pharm. Chem.	5	0	0	Associate Professor	19/07/2016	9/8/2007	Regular	Yes		No
DR. MONIKA GUPTA	AIGPG3150P	M.Pharm and Ph.D	3/11/2014	Pharm. Chem.	37	2	0	Professor	19/06/2019	19/02/2010	Regular	Yes		No
DR AJAY SINGH KUSHWAH	ASRPK2719B	M.Pharm and Ph.D	18/02/2020	Pharmacology	22	1	0	Associate Professor	22/10/2007	22/10/2007	Regular	Yes		No

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Ph.D. granted during the Assessment Year	Current Designation	Date (Designated as Prof/Assoc.	Initial Date of Joining	Association Type	working with the Institution(Yes)	In case of NO, Date of Leaving	IS HOD?
DR. RICHA GUPTA	AMMPG0565G	M.Pharm and Ph.D	15/10/2018	Pharmacognosy	12	0	0	Associate Professor	1/6/2021	8/9/2017	Regular	Yes		No
MS. PUNAM GABA	AQWPG8836F	M.Pharm	8/10/2007	Pharmaceutics	20	0	0	Assistant Professor		13/05/2008	Regular	Yes		No
DR NEELAM SHARMA	BHJPS3774G	M.Pharm and Ph.D	20/03/2021	Pharmaceutics	10	0	0	Assistant Professor		1/8/2009	Regular	Yes		No
DR. RAHUL KUMAR SHARMA	CEWPS5861P	M.Pharm and Ph.D	19/02/2019	Pharmacology	12	0	0	Assistant Professor		1/7/2019	Regular	Yes		No
RAMANJIT KAUR	COC PK6711E	M.Sc	17/06/2011	Computers	0	0	0	Assistant Professor		9/5/2012	Regular	Yes		No
NAVJIT KAUR	DKWPK5726E	M.Pharm	16/05/2014	Pharmacognosy	3	0	0	Assistant Professor		23/10/2013	Regular	Yes		No
NOEL	BIYPN3395Q	M.Pharm	20/03/2014	Pharm. Chem.	2	0	0	Assistant Professor		3/7/2017	Regular	Yes		No

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Ph.D. granted during the Assessment Year	Current Designation	(Designated as Prof/Assoc.	Initial Date of Joining	Association Type	working with the Institution(Yes)	In case of NO, Date of Leaving	IS HOD?
HARSIMRAN SINGH	DBJPS8864K	M.Pharm	1/7/2014	Pharmacology	6	0	0	Assistant Professor		15/09/2014	Regular	Yes		No
GURMINDER KAUR	EJSEK6733F	M.Pharm	26/09/2016	Pharmaceutics	1	0	0	Assistant Professor		6/1/2016	Regular	Yes		No
RITU	CBTPR7211N	M.Pharm	26/09/2016	Pharmacology	2	0	0	Assistant Professor		11/2/2019	Regular	Yes		No
BALJEET KAUR	EEAPK9897B	M.Pharm	26/09/2016	Pharm. Chem.	8	0	0	Assistant Professor		20/07/2016	Regular	Yes		No
CHAMPREET KAUR MANN	FOCPK5880N	M.Pharm	7/12/2016	Pharmaceutics	5	0	0	Assistant Professor		15/05/2017	Regular	Yes		No
HARPREET KAUR	GOTPK9403J	M.Pharm	7/12/2016	Pharmaceutics	3	0	0	Assistant Professor		6/10/2017	Regular	Yes		No
SANDEEP KAUR	EDAPK8979N	M.Sc	5/7/2016	English	0	0	0	Assistant Professor		12/7/2018	Regular	Yes		No

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Ph.D. granted during the Assessment Year	Current Designation	Date (Designated as Prof/Assoc.	Initial Date of Joining	Association Type	working with the Institution/(Yes	In case of NO, Date of Leaving	IS HOD?
SUKHWINDER KAUR	FUAPK7479E	M.Sc	27/07/2017	Chemistry	0	0	0	Assistant Professor		24/07/2021	Regular	Yes		No
NAMITA SAINI	IJSPS8701M	M.Pharm	3/1/2018	Pharm. Chem.	0	0	0	Assistant Professor		27/08/2018	Regular	Yes		No
AMANDEEP KAUR	FSAPK9644H	M.Pharm	3/1/2018	Pharm. Chem.	6	0	0	Assistant Professor		1/6/2017	Regular	Yes		No
RAMANDEE P KAUR	FUZPK9405D	M.Pharm	7/12/2016	Pharmaceutic s	0	0	0	Assistant Professor		1/6/2017	Regular	No	21/01/2022	No
KAMALJEET KAUR	EQJPK2741F	M.Pharm	1/7/2015	Pharmaceutics	0	0	0	Assistant Professor		4/7/2016	Regular	Yes		No
MANPREET KAUR	ELHPK9686N	M.Pharm	4/2/2013	Pharm. Chem.	0	0	0	Assistant Professor		4/7/2016	Regular	Yes		No
RUINDER KAUR	HFQPK2742B	M.Sc	1/9/2016	Maths	0	0	0	Assistant Professor		27/07/2019	Regular	Yes		No

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Ph.D. granted during the Assessment Year	Current Designation	Date (Designated as Prof/Assoc.	Initial Date of Joining	Association Type	working with the Institution(Yes/No)	In case of NO, Date of Leaving	IS HOD?
GURPREET KAUR	JJFPK9087N	M.Pharm	25/11/2019	Pharmacology	0	0	0	Assistant Professor		19/04/2021	Regular	Yes		No
DEVINDER KUMAR	EOIPK4253P	M.Pharm	15/10/2018	Pharmacology	2	0	0	Assistant Professor		19/04/2021	Regular	Yes		No
SIMRANJIT KAUR LOHAT	BJVPL1260L	M.Pharm	22/03/2021	Pharmaceutics	0	0	0	Assistant Professor		19/04/2021	Regular	Yes		No
SATNAM SINGH	IQYPS1373A	M.Pharm	25/11/2019	Pharmaceutics	0	0	0	Assistant Professor		19/04/2021	Regular	Yes		No
DR. RAJIV GARG	ALDPG2493F	M.Pharm and Ph.D	7/1/2011	Pharmaceutics	58	5	4	Associate Professor	13/01/2016	21/08/2006	Regular	No	30/03/2021	No
ANAJLI GOYAL	AUYPG7579C	M.Pharm	1/7/2009	Pharm. Chem.	5	0	0	Assistant Professor		1/8/2009	Regular	No	30/03/2021	No
BALJEET SINGH	EDOPS0497C	M.Pharm	10/12/2012	Pharm. Chem.	3	0	0	Assistant Professor		12/12/2011	Regular	No	1/1/2021	No

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph.D Guidance	Ph.D. granted during the Assessment Year	Current Designation	(Designated as Prof/Assoc.)	Initial Date of Joining	Association Type	working with the Institution/Year	In case of NO, Date of Leaving	IS HOD?
SATVIR SINGH	FNXPS3986J	M.Pharm	9/2/2012	Pharm. Chem.	2	0	0	Assistant Professor		4/7/2016	Regular	No	1/1/2021	No
KIRAN SAINI	EJBPS1334H	M.Pharm	3/1/2018	Pharmacology	0	0	0	Assistant Professor		6/1/2020	Regular	No	1/1/2021	No
AKASHDEEP	CHHPA2140P	M.Pharm	5/4/2019	Pharmacology	0	0	0	Assistant Professor		1/4/2019	Regular	No	1/1/2021	No
SHENAZ KHATON	HIWPK9172G	M.Pharm	22/03/2021	Pharmaceutics	0	0	0	Assistant Professor		7/3/2022	Regular	Yes		No
MANDEEP KAUR	GLZPK2077K	M.Pharm	18/10/2018	Pharm. Chem.	1	0	0	Assistant Professor		5/10/2021	Regular	Yes		No
HARPREET KAUR	DXSPK3720B	M.Pharm	18/10/2018	Pharm. Chem.	2	0	0	Assistant Professor		5/10/2021	Regular	Yes		No

Note: Please provide details for the faculty of the department, cumulative information for all the shifts for all academic years starting from current year in above format in Annexure - II.

5.1 Student-Faculty Ratio (SFR) (20)No. of UG Programs in the Department (n): 01No. of PG Programs in the Department (m): 03

B. Pharmacy						
Year of Study	CAY 2021-22		CAYm1 2020-21		CAYm2 2019-20	
	Sanctioned Intake	Actually admitted through Lateral Entry	Sanctioned Intake	Actually admitted through Lateral Entry	Sanctioned Intake	Actually admitted through Lateral Entry
1 st Year	100	00	60	00	60	00
2 nd Year	60	04	60	01	60	05
3 rd Year	60	01	60	04	60	03
4 th Year	60	04	60	03	60	01
Sub Total	280	09	240	08	240	09
Grand Total	289		248		249	

M. Pharmacy (Pharmaceutics)			
Year of Study	CAY 2021-22	CAYm1 2020-21	CAYm2 2019-20
	Sanctioned Intake	Sanctioned Intake	Sanctioned Intake
1 st Year	15	15	15
2 nd Year	15	15	15
Grand Total	30	30	30

M. Pharmacy (Pharmacology)			
Year of Study	CAY 2021-22	CAYm1 2020-21	CAYm2 2019-20
	Sanctioned Intake	Sanctioned Intake	Sanctioned Intake
1 st Year	09	09	09
2 nd Year	09	09	09
Grand Total	18	18	18

M. Pharmacy (Pharmaceutical Chemistry)			
Year of Study	CAY 2021-22	CAYm1 2020-21	CAYm2 2019-20
	Sanctioned Intake	Sanctioned Intake	Sanctioned Intake
1 st Year	15	15	15
2 nd Year	15	15	1
Grand Total	30	30	00

Particular	CAY 2021-22	CAYm1 2020-21	CAYm2 2019-20
Total No. of Students in the Department (S)	367	326	327
No. of Faculty in the Department (F)	32	26	31
Student Faculty Ratio (SFR)	11.47	12.54	10.55
Average SFR	SFR=(SFR1+SFR2+SFR3)/3=11.52		

Marks to be given proportionally from a maximum of 20 to a minimum of 10 for average SFR between 15:1 to 20:1, and zero for average SFR higher than 20:1. Marks distribution is given as below:

15.00 - 15.50	-	20 marks
15.51 - 16.50	-	18 marks
16.51 - 17.50	-	16 marks
17.51 - 18.50	-	14 marks
18.51 - 19.50	-	12 marks
19.51 - 20.00	-	10 marks

5.2. Faculty Cadre Proportion (20)

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY 2021-22	2	4	5	3	16	25
CAYm1 2020-21	2	4	4	2	14	20
CAY m2 2019-20	2	4	4	2	14	25
Average Numbers	RF1=2	AF1=4	RF2=4.33	AF2=2.33	RF3=14.67	AF3=23.33

$$\text{Cadre Promotin Marks} = \left[\left(\frac{AF1}{RF1} \right) + \left(\frac{AF2}{RF2} \times 0.6 \right) + \left(\frac{AF3}{RF3} \times 0.4 \right) \right] \times 10$$

5.3. Faculty Qualification (20)

Year	X Faculty with Ph.D	Y Faculty with	F No. of faculty required to comply 1:15 Faculty Student ratio	FQ = 2*(10X +4Y)/F
CAY 2021-22	9	24	24	19.50
CAYm1 2020-21	8	18	21	17.90
CAYm2 2019-20	8	22	21	20.19
Average Assessment= 19.20				

5.4. Faculty Retention (20)

Description	CAY 2021-22	CAYm1 2020-21
No. of Faculty Retained	27	26
Total No. of Faculty	32	32
% Of Faculty Retained	84	81
Average Assessment= 83.00		

Item	Marks
>= 90% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	20
>= 75% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	16
>= 60% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	12
>= 50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	8
<50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year	0

5.5. Innovations by the Faculty in Teaching and Learning (15)

Tutorials

Every week one hour is allotted per subject per batch as tutorials. The topics and sub topics covered in theory classes are revised by the faculty and queries regarding the same from the students are clarified thereby ensuring that the students understand the topics thoroughly by conducting class tests on subjects taught in tutorial hours.

Information and Communication Technologies (ICT)

The faculty members actively participate in the development of e-content, and computer based trainings in order to meet the technological driven global needs. All classrooms are provided with internet which helps the faculty to use computers, Power Point, presentations and other audio visual aids to enhance the teaching skills and to facilitate the student learning. Audio and video materials are used to enhance learning resources by showing real life scenarios for explaining concepts. These videos are made available on the college website.

Topics which are contents beyond the syllabus are also discussed by teachers in every subject in each semester during practical sessions to progress further learning.

State-of-art Pilot Plant

The faculty member are instrumental in developing a well-developed state-of-art pilot plant equipped with instrument such as tablet punching and coating machine, homogenizer, blenders, milling machine etc. A mainly for the purpose of learning new technologies, such set-up will help the students to gain both theoretical and practical knowledge.

Simulation Models

These are the alternative models used to carry out the experiments in pharmacology since animal studies are labor-intensive and costly. Hands on skills on live animals are not essential for under graduate pharmacy students. Therefore, simulation models are a better replacements for animal experiments that will also avoid sacrificing animals which is an ethical concern.

Learning by Doing

Faculty of the institution is actively involved in this unique method of teaching which not only enhances the hands on experience but also helps the students to improve their practical skills. The students visit the field, observe the specimen, and collect the voucher specimen of crude drug and then record on the spot character of the crude drug which is required for authentication. The collected crude drug specimen is pressed, dried and then glued on a standard sheet called a **herbarium** which is a standard technique of presentation of crude drug. The students are also trained to study micro morphological character of crude drug for correct identification. Students practice various techniques of section cutting of root, stem. Leaves or floral buds required for the study of crude drugs.

Educational Software

Some of the software such as **Chemdraw** for drawing structures of different chemical compounds, **Ex-pharma Series** for pharmacological studies, **Minitab** for Quality-by-Design (QbD), **Systat**, and **Graph pad prism** for statistical analysis are also a part of teaching and learning aids used on regular basis.

Seminars and Assignments

Apart from their internal and semester end examinations, students are regularly allotted minor projects as seminars/assignments to evaluate their subject understanding. These help the students to develop their communication skills, leadership qualities, time management, conflict management and other soft skills along with the subject knowledge. Regular class tests and sessional exams are there to evaluate students' performance, further continuous mode of assessment and assignments provides better way to judge quality of students during practical hours as students are asked to prepare for viva for particular predefined topics.

Informative Guest lectures

Apart from regular theory and practical classes, the faculty members also organize guest lectures pertaining to the curriculum where speakers from reputed institutions and industries share their knowledge on particular topics. This helps students to keep abreast with the profession.

Field Trips and Industrial Visits

Field trips and Industrial visits are considered as one of the tactical methods of teaching. With an aim to go beyond academics, industrial visit and field trips provide students a practical perspective of their work. Moreover, it gives exposure from academic point of view. Industrial visits are arranged by department for the students with an objective of providing them functional opportunity in different sectors which also helps to combine theoretical knowledge with industrial knowledge. They also provide students a good opportunity to gain full awareness about industrial practices. In addition to the above, faculty use interactive method, project based learning, experimental learning, models, YouTube videos and informative charts to bring about innovations in teaching and learning. This way of teaching actually provides maximum time for discussion with students to attain the course objectives of subjects and probably to clarify the doubts of students effectively.

Flipped Classroom

A flipped classroom is an instructional strategy used by faculty members and it is a type of blended learning, which aims to increase student engagement and learning by having pupils complete readings at home and work on live problem-solving during class time. On Saturday most of the faculty members take their revision classes through Google meet or zoom platforms to solve their problems.

Syllabus content developed by faculty members in word file/pdf file/presentations/videos which is available on the college website www.copbela.org

- The work available on Institute website www.copbela.org
- The work must be available for peer review and critique through Google form available at website www.copbela.org
- The work is able to be reproduced and built on by other scholars

5.6. Faculty as participants in Faculty Development/Training Activities (15)

- A Faculty scores maximum five points for participation
- Participant in 2 to 5 days Workshop/Faculty Development Program: 3 Points
- Participant >5 days Workshop/Faculty Development Program: 5 points

Name of the Faculty	Max. 5 per Faculty		
	CAY 2021-22	CAY _{m1} 2020-21	CAY _{m2} 2019-20
Dr. Shailesh Sharma	5	5	5
Dr. Sandeep Kumar	3	5	5
Dr. Satnam Singh	3	5	5
Dr. Sumnalata	3	5	5
Dr. Monika Gupta	3	5	5
Dr. Ajay Singh Kushwah	5	5	5
Dr. Richa Gupta	5	5	5
Ms. Punam Gaba	5	5	3
Dr. Neelam Sharma	5	5	3
Dr. Rahul Kumar Sharma	5	3	5
Ms. Ramanjit Kaur	5	5	5
Ms. Navjit Kaur	5	5	5
Ms. Noel	5	5	5
Mr. Harsimran Singh	3	5	3
Ms. Gurminder Kaur	3	5	3
Ms. Ritu	5	5	5
Ms. Baljeet Kaur	3	5	3
Ms. Chamanpreet Kaur	5	5	5
Ms. Harpreet Kaur	5	5	3
Ms. Sandeep Kaur	5	5	5
Ms. Rupinder Kaur	5	3	3
Ms. Manpreet Kaur	5	5	5
Ms. Kamaljeet Kaur	5	5	5
MS. Ramandeep Kaur	5	3	5
Ms. Amandeep Kaur	5	5	5
Ms. Namita Saini	5	5	5
Ms. Sukhwinder Kaur	5	5	3
Ms. Gurpreet Kaur	3	3	5
Mr. Devinder Kumar	3	5	5
Ms. Simranjit Kaur Lohat	5	3	3
Mr. Satnam Singh	3	5	3
Dr. Rajeev Garg	5	5	3

Ms. Anjali Goyal	3	3	3
Mr. Baljeet Singh	5	5	3
Mr. Satvir Singh	5	3	5
Ms. Kiran Saini	3	3	5
Mr. Akashdeep	3	3	5
Ms. Shenaz Khatoon	5	3	3
Ms. Mandeep Kaur	5	3	3
Ms. Harpreet Kaur	5	5	3
Sum	174	178	166
$RF = \text{Number of Faculty required to comply with 15:1 Student-Faculty ratio as per 5.1}$	24.47	21.73	21.80
$\text{Assessment} = 3 \times \text{Sum}/(0.5 RF)$	42.66	49.15	45.69
Average assessment over three years (Marks limited to 15) =	45.83		

5.7. Research and Development (40)

5.7.1. Academic Research (10)

Outside World Interaction

College and their faculty members are keen interested to enhance their knowledge and research activities through the interaction and collaborative work with other/ industry personals. The college has signed various MOUs with national reputed university/ institute and esteemed pharmacy industries.

The results of interaction and collaborative works are reflected in the form of publications, patents, design patents, copyrights, book chapters, and books.

College always motivate and provide platform for the faculties & students to interact with outside world scientist by taking active participation webinar, scientific talk, personal meets in national and international seminars and conferences, workshops.

List of Publications

S. No	Authors Name	Title of Paper	Name of Journal	Volume	Pg No.	Year
1.	Shailesh Sharma, Kuljit Singh	DEVELOPMENT OF NIFEDIPINE ORODISPERSIBLE TABLETS BY DIFFERENT TECHNIQUES USING NATURAL AND SYNTHETIC SUPERDISINTEGRANTS	RJPT	2(14)	1-20	2021
2.	Hitesh chopra, Sandeep Kumar, Indrebir singh	BIOPOLYMER- BASED SCAFFOLDS FOR TISSUE ENGINEERING APLPLICATIONS.	Current drug targets	3(22)	282-295	2021
3.	Navni Sharma, Sandeep Kumar, Garima joshi, Deepak Choudhary	FORMULATION AND CHARACTERIZATION OF FEBUXOSTAT LOADED NANOSTRUCTURE LIPD CARRIER(NLCS)- GEL FOR TOPICAL TREATMENT OF GOUT	Recent patents on nanotechnol ogy	15	1-9	2021
4.	Deepali, Seema Sharma, Monika Gupta	MICROTUBULIN POLYMERISATION INHIBITORY ACTION OF CHALCONES, PYRAZOLES AND PYRAZOLINES	International journal of pharmaceuti cal research and applications	6(5)	382-389	2021
5.	Seema Sharma, Deepali, Anjali Goyal, Monika Sharma	IMIDAZO(2,1-B)(1,3,4) THIADIAZOLE DERIVATIVE: AN INSIGHT TO SYNTHESIS, BIOLOGICAL ACTIVITIES AND SAR	International research journal of modernizati on in engineering technology and science	3(9)	660-671	2021
6.	Astha, Anju Goyal, Monika Gupta, Rakesh K Sindhu	AN UPDATED REVIEW ON COUMARIN WITH SPECIAL EMPHASIS ON ANTICANCER ACTIVITY	Plant archives	21	408-415	2021
7.	Kaur A, Kaur B, Gupta VK, Gupta M	SYNTHESIS AND BIOLOGICAL ACTIVITY OF 6-SUBSTITUTED PYRIMIDINE-2,4-DIONESDERIVATIVES	International journal of Pharmacogn osy and Chinese medicines	5(2)	1-8	2021

8.	Kumar S, Kaur A, Kaur B, Gupta VK, Gupta M	SYNTHESIS, SPECTRAL STUDIES AND ANTIMICROBIAL ACTIVITY OF COUMARIN DERIVATIVES	International journal of Pharmacognosy and Chinese medicines	5(2)	1-8	2021
9.	Manish Kumar, Gurteg Singh, Ajay S khushwah, Guru Nath Surampalli, Thakur Gurjeet Singh, Sushma Gupta	ARBUTIN PROTECTS BRAIN AGAINST MIDDLE CEREBRAL ARTERY OCCLUSION- REPERFUSION INJURY	Biochemical and biophysical research communications	5(77)	52-57	2021
10	Manish Kumar, Anil Kumar, Rakesh K Sindhu, Ajay Singh Khushwah	ARBUTIN ATTENUATES MONOSODIUM L- GLUTAMATE INDUCED NEUROTOXICITY AND COGNITIVE DYSFUNCTION IN RA	Neurochemistry international	151	1-12	2021
11	Rahul Kumar Sharma, Harsimran Singh, Devinder Kaur, Yogesh Kumar	PRIMATES AND RODENT MODELS FOR DEMENTIA: A REVIEW	International Journal of Pharmaceutical Investigation	11(3)	254-259	2021
12	Veerinder Singh, Rahul Kumar Sharma, Yogesh Kumar, Sadique Saqulain	PHARMACOLOGICAL ASPECTS AND MEDICAL USE OF TRIGONELLA FOENUM GRAECUM: A CURRENT REVIEW	International journal of Ayurveda medicine	12(4)	776-786	2021
13	Ramandepp Kaur, Dr Rahul Kumar Sharma	AEGLE MARMELOS: REVIEW OF TRADITIONAL USES, PHYTOCHEMISTRY AND PHARMACOLOGICAL ACTIVITIES	International Journal of pharmaceutical research	13(2)	266-277	2021
14	Rahul Kumar Sharma and Veerinder Singh	IDENTIFICATION OF PHYTOCONSTITUENTS USING GC- MS AND DETERMINATION OF ANTIBACTERIAL ACTIVITY OF BOERHAAVIA DIFFUSA L. LEAVES	Journal of pharmaceutical research international	33(36A)	71-86	2021
15	Navjit KAUR, Divya Dhawal Bhandari	POPULOUS TRICHOCARPA (BLACK COTTONWOOD) AS A MODEL FOR PLANT GENOMIC STUDIES: A REVIEW	Journal of pharmaceutical research international	33(57A)	270-275	2021
16	Noel Mankoo, Kiranjeet Kaur, Divya Dhawal Bhandari	COMPARATIVE COMPARISON OF FIVE DIFFERENT MARKETED PANTOPRAZOLE (ANTACID) TABLET FORMULATIONS	Innovations In Pharmaceuticals and Pharmacotherapy	9(3)	44-47	2021
17	Charankamal Saini, Manpreet	SYNTHESIS AND CHARACTERIZATION OF 4-AMINO 3,5 DIBROMO-TOLUIDINE	Journal of applied	4(2)	13-18	2021

	Kaur, Amandeep Kaur		pharmaceutical sciences and research			
18	Shailesh Sharma, Daisy Sharma	PREPARATION AND EVALUATION OF PHYTOSOMAL GEL OF CASSIA FISTULA EXTRACT.	International Journal of Pharmaceutical Research.	12(sp2)	421-426	2020
19	Shailesh Sharma, Daisy Sharma	PREPARATION AND CHARACTERIZATION OF PHYTOSOMES OF CASSIA FISTULA EXTRACT.	International Journal of Pharmaceutical Research.	12(sp2)	427-435	2020
20	Shailesh Sharma, Kuljit Singh	ORAL DISINTEGRATING TABLETS: AN UPDATE PATENT PERSPECTIVE.	Recent Patent on Drug Delivery and Formulations.	14 (3)	166-190	2020
21	Kuljit Singh, Shailesh Sharma	DEVELOPMENT OF NIFEDIPINEORODISPERSIBLE TABLETS BY DIFFERENT TECHNIQUES USING NATURAL AND SYNTHETIC SUPERDISINTEGRANTS.	Research Journal of Pharmacy and Technology.	14 (2)	in press	2020
22	Kuljit Singh, Shailesh Sharma	DEVELOPMENT AND CHARACTERIZATION OF ORODISPERSIBLE TABLETS OF PROPRANOLOL HYDROCHLORIDE USING CALCIUM CROSS LINKED CASSIA FISTULA GUM AND CROSS CARMELLOSE SODIUM.	International Journal of Applied Pharmaceuticals.	12(4)	160-168	2020
23	Rupal Mittal, Shailesh Sharma, Amit Mittal	A CRITICAL REVIEW ON ETHNOBOTANICAL AND PHARMACOLOGICAL ASPECTS OF EURYALE FEROXSALISB.	Pharmacognosy Journal	12(6)	1444-1454	2020
24	Monika Gupta, Navdeep Singh	THERAPEUTIC JOURNEY OF PYRAZOLINES AS EGFR TYROSINE KINASE INHIBITORS: AN INSIGHT INTO STRUCTURE ACTIVITY RELATIONSHIP.	Current Bioactive Compounds.	16(9)	1260-1272	2020
25	Monika Gupta, AnkitaBharwal	1,3,4 OXADIAZOLES: AN EMERGING SCAFFOLD TO TARGET DIFFERENT GROWTH FACTORS AND KINASES	Chemical Biology Letters.	7(4)	225-234	2020
26	Ajay Khushwah, Gurpreet Kaur, Thippeswamyboreddyshivanandappa, Manish Kumar	FUMARIC ACID PROTECT THE CADMIUM-INDUCED HEPATOTOXICITY IN RATS: OWING TO ITS ANTIOXIDANT, ANTI- INFLAMMATORY ACTION AND AID IN RECAST LIVER FUNCTION.	Naunyn-Schmiedberg Archives of Pharmacology.	393(10)	1911-1920	2020
27	Taranbir Singh, Ajay Khushwah, Thippeswamyboreddyshivanandappa	QUERCETIN ATTENUATES OXIDATIVE STRESS,INFLAMMATION AND CARDIAC DYSFUNCTION IN ACRYLAMIDE-INDUCED CARDIOTOXICITY.	ActaPolonica Pharmaceuticals- Drug Research	77(2)	343-352	2020

28	Rajeev Garg, Rajesh Kumar	BACOSIDE RICH EXTRACT LOADED SOLID LIPID NANOPARTICLES FOR ALZHEIMER DISEASE	Plant Archives	20(1)	247-252	2020
29	Rajeev Garg, Sharanpreet Kaur, Ritika, ShehnazKhattoon , Naina, Hitesh Verma	A COMPLETE AND UPDATED REVIEW ON VARIOUS TYPES OF DRUG DELIVERY SYSTEM.	International Journal of applied Pharmaceuti cs	12	1-16	2020
30	Hitesh Verma, Rajeev Garg	STUDY OF DEGRADATIONS KINETICS OF MAGNESIUM OROTATE DEHYDRATE BY SPECTROSCOPIC METHOD.	Journal of Applied Spectroscop y	87(3)	479-487	2020
31	Shweta Aggarwal,Rayas a. S Ramachandra Murthy, Sasidharanleelak umari, Rajeev Garg	QUALITY BY DESIGN APPROACH FOR DEVELOPMENT AND CHARACTERIZATION OF SOLID LIPID NANOPARTICLES OF QUETIAPINEFUMARATE	Current computer Aided Drug Design	16	73-91	2020
32	Satvir Singh, Manpreet Kaur, Divya Bhandari, Mandeep Kaur, Monika Gupta	A OVERVIEW ON ANTIMICROBIAL AND ANTI-INFLAMMATORY ACTIVITY OF 1,3,4OXADIAZOLES.	Indian Drugs	57(2)	9-17	2020
33	Satvir Singh, Manpreet Kaur	SYNTHESIS AND ANTICANCER ACTIVITY EVALUATION OF SOME SCHIFF BASES OF 1,3,4-OXADIAZOLES.	Indian Drugs	56 (3)	12-17	2020
34	Ritika Thakur, Sandeep Kumar, Poonam Gaba	A REVIEW: NOVEL METHOD OR MICROSPONGES DRUG DELIVERY SYSTEM.	IOSR Journal of Pharmacy and Biological Sciences.	4(15)	34-44	2020
35	Shailesh Sharma, Manjinderkaur, Simranpreet Kaur	MICROSPONGE TECHNOLOGY AS A NOVEL APPROACH FOR TOPICAL DRUG DELIVERY: AN ACQUAINTED REVIEW.	IOSR Journal of pharmacy and Biological Sciences.	15(5)	1-13	2020
36	Sandeep Kumar, Kuljit Singh	A NOVEL DRUG DELIVERY SYSTEM: NIOSOMES REVIEW	IOSR Journal of pharmacy and Biological Sciences.	4(15)	51-58	2020
37	Raman Kumar, Sandeep Kumar	ETHOSOMES: THE PROMISING CARRIER FOR THE TRANSDERMAL DELIVERY OF DRUGS.	IOSR Journal of Pharmacy and Biological Sciences.	4(15)	11-17	2020

38	Navdeep Kaur, Sandeep Kumar	NANOSPONGES : NOVEL STRATEGY FOR TARGETED DRUG DELIVERY SYSTEM.	Indo American Journal of Pharmaceutical Sciences.	7(8)	313-324	2020
39	Satvir Singh, Divya Bhandari, Monika Gupta,	SYNTHESIS AND DERIVATIZATION OF SOME 2- BENZYL-6- (SUBSTITUTED PHENYL) IMIDAZO[2,1-B] [1,3,4] THIADIAZOLES.	World Journal of Pharmaceutical and Life Sciences	9 (11)	1919-1927	2020
40	Amritpal Kaur, Monika Gupta	THIADIAZOLE DERIVATIVE AS PROTEIN KINASE INHIBITOR: AN INSIGHT TO SYNTHESIS AND STRUCTURE ACTIVITY RELATIONSHIP.	Journal of Integrated Science and Technology	8 (2)	31-40	2020
41	Seema Saini, Rajeev Garg	SOLUBILITY ENHANCEMENT AND DESIGN EXPERT ASSISTED OPTIMIZATION OF VARIOUS VARIABLES OF FAST DISINTEGRATING TABLETS OF NISOLDIPINE	Journal Global Trends Pharma Science	11(2)	7382-7391	2020
42	Seema Saini, Rajeev Garg	SOLUBILITY ENHANCEMENT AND DESIGN EXPERT ASSISTED OPTIMIZATION OF VARIOUS VARIABLES OF FAST DISINTEGRATING TABLETS OF LERCANIDIPINE HYDROCHLORIDE USING CENTRAL COMPOSITE DESIGN	International Journal of pharmaceutical and sciences and research	11(7)	3474-3482	2020
43	Rajesh Kumar, Rajeev Garg	FORMULATION AND EVALUATION OF SOLID LIPID NANOPARTICLES LOADED WITH BACOSIDE RICH EXTRACT	International Journal of pharmaceutical and sciences and research	11(1)	371-377	2020
44	Poonam Gaba, Simranjit Kaur	A REVIEW OF RECENT ADVANCES IN POLYMER SHAPE MEMORY HYDROGEL.	International Journal of Pharmaceutical Sciences and Research.	1(12)	5951-5967	2020
45	Satvir Singh, Ashima, Divya Bhandari, Monika Gupta	SYNTHESIS AND DERIVATIZATION OF SOME 2- BENZYL-6- (SUBSTITUTED PHENYL) IMIDAZO[2,1-B] [1,3,4] THIADIAZOLES.	World Journal of Pharmaceutical and Life Sciences	9(11)	1919-1927	2020
46	Ritu Kainth, Harsimran Singh	COVID-19 HUMAN CORONA VIRUS	World Journal of Pharmaceutical and Life Sciences	7(6)	89-95	2020
47	Ritu Kainth, Gurneet Kaur, Baljeet Kaur	POLYSYSTIC OVARY SYNDROME (PCOS) – A REVIEW	World Journal of Pharmaceutical and Life Sciences	8 (6)	83-92	2020

48	Chamanpreet Kaur, Shailesh Sharma, Anu Sharma	MICROSPONGES: AS A TOPICAL DRUG DELIVERY SYSTEM	International Journal of Pharmaceutical Sciences and Research	11(2)	524-534	2020
49	Rajesh Kumar and Rajeev Garg	FORMULATION AND EVALUATION OF SOLID LIPID NANOPARTICLES LOADED WITH BACOSIDE RICH EXTRACT.	International Journal of Pharmaceutical Sciences and Research,	11(1)	371-377	2020
50	Lalita Devi , Punam Gaba and Neelam Sharma	FORMULATION CHARACTERIZATION AND OPTIMIZATION OF CEFIXIME TRI-HYDRATE HYDROGEL TABLET BY USING DESIGN EXPERT	International Journal of Pharmaceutical Sciences and Research	11(8)	1000-1010	2020
51	Singla L, Chibber S, Kumar M, Katare OP	EFFECTIVE TOPICAL DELIVERY OF H-AGNPS FOR EDADICATION OF KLEBSIELLA PNEUMONIA – INDUCED BURN INFECTION	AAPS PharmSci Tech	20(169)	1-13	2019
52	Sharma D, Sharma A, Garg R	PREPARATION , PHISICOCHEMICAL EVALUATION AND CHARACTERIZATION OF MUCOADHESIVE BUCCAL GELS IMPREGNATED WITH BENZDIAMINE HCL FOR EFFECTIVE TREATMENT OF APHTHOUS STOMATITIS.	Drug Delivery Letters	9	341-357	2019
53	Kaur H., Singhal KG, Gupta VK, Gupta M	EVALUATION OF AVENA SATIVA SEEDS EXTRACTS AS CARDIOPROTECTIVE AGENT IN RATS.	International Journal of Comprehensive and Advanced Pharmacology.	4(2)	39-47	2019
54	Verma H, Garg R	BIOPHARMACEUTICS CLASSIFICATION AND PHARMACOKINETICS STUDY OF MAGNESIUM OROTATE.	Magnesium Research Journal	32(4)	132-142	2019
55	Garg R, Verma H	EFFECT OF VITAMIN K SUPPLEMENTATION ON CARDIOMETABOLIC RISK FACTORS. A SYSTEMATIC REVIEW.	Endocrine Metabolic and Immune Disorders Drug Targets	19	13-25	2019
56	Puri D, Singh D, Gupta M	SYNTHESIS, SPECTRAL STUDIES AND ANTIMICROBIAL ACTIVITY OF 8-METHYL-2-SUBSTITUTED-6H-CHROMINO6.7-D OXAZOLE -6-ONE DERIVATIVES.	International Journal and pharmaceutical, Chemical and Biological Sciences	9(4)	1-8	2019

57	Kaur H, Gupta VK, Gupta M	SYNTHESIS AND ANTI- PROLIFERATIVE ACTIVITY OF THIOSEMICARBAZONE AND 4-THIAZOLIDINONES	International Journal of Pharmacognosy and Chinese Medicine	3(3)	000166	2019
58	Kaur A, Kaur B, Gupta M	SYNTHESIS AND BIOLOGICAL EVALUATION OF 1-SUBSTITUTED-2-THIENYL-5-4- CHLOROPHENYL PYRAZOLINE DERIVATIVES AS ANTIPROLIFERATIVE AGENTS.	Indian Drugs	56(6)	24-30	2019
59	Raina B, Srivastava B, Bhargava A, Sharma S, Sharma AR, Bajwa PS	DESIGN, DEVELOPMENT AND OPTIMIZATION OF IMMEDIATE RELEASE TABLET OF DEFLAZACORT.	Journal of Drug Delivery and Therapeutics	9(2)	250-254	2019
60	Kaur D, Kumar S	NIOSOMES AS AN INNOVATIVE DRUG DELIVERY SYSTEM	Central Asian Journal of Medical and Natural Sciences	1(1)	1-12	2019
61	Jyoti, Kumar S	FLOATING MICROSPONGES: GASTRORETENTIVE DRUG DELIVERY SYSTEM	European Journal of Pharmaceutical and Medical Research	6(7)	242-254	2019
62	Kaur S, Kumar S	MICROSPONGE : AN INNOVATIVE DRUG DELIVERY SYSTEM	Asian Journal of Pharmaceutical and Clinical Research	12(7)	60-67	2019
63	Kaur A, Gupta M	METHOD DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS ESTIMATION OF RESVERATROL AND GALLIC ACID BY RP-HPLC	International Journal and Pharmaceutical, Chemical and Biological Sciences	9(1)	19-26	2019
64	Ali S, Gupta M	METHOD DEVELOPMENT AND VALIDATION FOR SIMULTANEOUS ESTIMATION OF MONTELUKAST SODIUM AND LEVOCETIRIZINE TABLET USING RP-HPLC	Journal of Pharmaceutical Sciences and Research	11(8)	2998-3000	2019
65	Lal C, Garg R, Gupta GD	FORMULATION AND OPTIMIZATION OF MUCOADHESIVE MICROSPHERES OF VALSARTAN BY USING BOX- BEHNKEN DESIGN	International Journal of applied Pharmaceuticals	11(4)	371-379	2019

66	Devi L, Gaba P, Chopra H	TAILORMADE DRUG DELIVERY SYSTEM- A NOVEL TRIO CONCEPT OF 3DP+ HYDROGEL+ SLA	Journal of drug delivery and therapeutics	9(4)	861-866	2019
67	Devi L, Gaba P	HYDROGEL : AN UPDATED PRIMER	Journal of critical reviews	6(4)	1-10	2019
68	Sharma G, Gaba P, Sharma N	NIOSOMES AS POTENTIAL VESICULAR CARRIER FOR DRUG TARGETING: A REVIEW	International journal of pharmacy and biological sci.	9(3)	563-572	2019
69	Devi L, Gaba P, Chopra H	NATURAL MATERIAL USED IN HYDROGELS	International journal of pharmacy and biological sciences.	9(3)	704-714	2019
70	Goyal A, Kaur B, Kaur A, Gupta VK, Gupta M	SYNTHESIS AND BIOLOGICAL ACTIVITY OF 2,4- SUBSTITUTED BENZYLIDENE-7-METHYL- 2H-THIAZOLO-3,2-A,3,5 DIONES	International journal of pharmacognosy	6(8)	100-107	2019
71	Kaur C, Kumar S, Singh S, Kaur H	CANCER: A BLACK SPOT HUMAN RACE	European Journal of Pharmaceutical and medical research	6(12)	241-250	2019
72	Kaur H, Kumar S, Singh S, Kaur C	OCULAR DRUG DELIVERY SYSTEM	European Journal of Pharmaceutical and medical research	6(12)	251-261	2019
73	Singh S, Kaur A	SYNTHESIS AND ANTICANCER ACTIVITY OF SOME SCHIFF BASES OF 1,3,4 OXADIAZOLES	Indian Drugs	56(3)	12-17	2019
74	Singh S, Kaur M	SYNTHESIS AND ANTICANCER ACTIVITY OF NOVEL 2BENZYL 6 (SUBSTITUTED PHENYL) IMIDAZO[2,1-B][1,3,4] THIADIAZOLES	Indian Drugs	56(4)	25-32	2019
75	Sharma S, Seth N	OPTIMISATION OF COMPONENT VARIABLES BY STATISTICAL APPROACH FOR DESIGN OF CHRONOTHERAPEUTICS DOSAGE FORM FOR HYPERTENSION.	Asian Journal of Pharmaceutical and Clinical Research	12(4)	1-9	2019
76	Kushwah AS, Kumari N	NARINGIN ATTENUATES OXIDATIVES STRESS AND PROTECT AGAINST MYOCARDIAL ISCHEMIA- REPERFUSION INJURY IN DIABETIC RAT.	Asian Journal of Pharmaceutical and	12(3)	230-234	2019

			Clinical Research			
77	Kushwah AS, Sharma E, Singh T	EVALUATION OF THE CARDIOPROTECTIVE ROLE OF 7-HYDROXY-4-METHYLCOUMARIN ON ISOPROTERENOL INDUCED MYOCARDIAL INFARCTION IN RATS	MOJ Drug Design Develop Therapeutics	3(1)	12-17	2019
78	Singh B	E. PHARMACY, CURRENT AND FUTURE MARKET SCENARIO IN INDIA	Journal of Immerging Technologies and innovative Research	4(6)	698-704	2019
79	Kumar M and Bansal N	FASUDIL HYDROCHLORIDE AMELIORATES MEMORY DEFICITS IN RAT MODEL OF STREPTOZOTOCIN-INDUCED ALZHEIMER'S DISEASE: INVOLVEMENT OF PI3-KINASE, ENOS AND NFKB.	Behavioral Brain Research	351	4-16	2018
80	Agrawal S and Bansal N	CALCIUM CHANNEL BLOCKER AMELIORATES NICOTINE WITHDRAWAL SYMPTOMS IN MICE.	Current Psychopharmacology	56	180-191	2018
81	Kumar M and Bansal N	CAFFEIC ACID PHENETHYL ESTER RESCUED STREPTOZOTOCIN-INDUCED MEMORY LOSS THROUGH PI3-KINASE DEPENDENT PATHWAY.	Biomed. Pharmacother.	101	162-173	2018
82	Kumar M and Bansal N	EFFECTS OF CHRONIC LITHIUM CHLORIDE AND L-ARGININE TREATMENT ON PREVENTION OF STREPTOZOTOCIN INDUCED COGNITIVE DEFICITS BY ELLAGIC ACID.	Biomedical Pharmacological Journal	11 (1)	53-65.	2018
83	Kushwaha AS and Gupta GD	QUERCETIN AMELIORATE INSULIN RESISTANCE CONCOMITANT EARLY CARDIOVASCULAR CHANGES IN EXPERIMENTAL RATS.	Acta Poloniae Pharmaceutica - Drug Research	4(75)	977-987	2018
84	Kushwaha AS and Gupta GD	CONCOMITANT USE OF QUERCETIN AND METFORMIN IMPROVE CARDIAC FUNCTION AND BAROREFLEX SENSITIVITY IN STREPTOZOTOCIN-INDUCED DIABETIC RATS.	Asian Journal of Pharmacy and Pharmacology	4(3)	343-352	2018
85	Sharma S and Bala R	FORMULATION OPTIMIZATION AND EVALUATION OF FAST DISSOLVING FILMS OF APREPITANT BY USING DESIGN OF EXPERIMENT	Bulletin of Faculty of Pharmacy, Cario University	56(2)	159-168	2018
86	Garg R, Sharma D, Sharma A	DESIGN, DEVELOPMENT AND INVITRO/ EX VIVO EVALUATION OF MUCOADHESIVE BUCCAL FILM OF BENZDIAMINE HYDROCHLORIDE FOR THE EFFECTIVE TREATMENT OF APHTHOUS STOMATITIS	Recent Patent of Drug Delivery and	12(4)	270-294	2018

			Formulation			
87	Nitin Bansal, Manish Kumar, Ritu Kainth	CAFFEIC ACID AVERTED INTRACEREBROVENTRICULAR COLCHICINE INDUCED MEMORY DEFECTS IN RATS	International journal of pharmacy and biological sciences	8(1)	494-502	2018
88	Kumar M and Bansal N	CAFFEIC ACID PHENETHYLESTER AVERTS STREPTOZOTOCIN-INDUCED MEMORY DEFICITS: ROLE OF GSK-3 AND NF-KAPPAB.	International Journal of Pharma Research and Health Sciences	6(1)	2220- 2228.	2018
89	Sharma N, Chaudhary D and Kumar S	FUNDAMENTAL AND PROSPECTIVES OF NANOPARTICLES	Research Journal of Pharmaceuti cal Biologicals and Chemical Sciences	9(4)	152-164	2018
90	Devi R and Kumar S	IMMEDIATE RELEASE DOSAGE FORMS: THRUST AREAS AND CHALLENGES	International Journal of Current and Advanced Research	7(5E)	12550- 12555	2018
91	Kaur M and Kumar S	PROGRESS IN THE FIELD OF NIOSOMES AS NOVEL DRUG DELIVERY SYSTEM	Indo American Journal of Pharmaceuti cal Sciences	5(5)	3417- 3424	2018
92	Kumar B and Kumar S	FAST DISSOLVING FILMS: AN INNOVATIVE APPROACH TO ORAL DRUG DELIVERY	Indo American Journal of Pharmaceuti cal Sciences	5(5)	3714- 3719	2018
93	Devi R and Kumar S	HYPERTENSION: CAUSES AND PHARMACEUTICAL ISSUES	Indo American Journal of Pharmaceuti cal Research	8(01)	1347- 1353	2018
94	Sainio D and Gupta M	HYDRAZONES AS POTENTIAL ANTICANCER AGENTS: AN UPDATE	Asian Journal of Pharmacy and Pharmacolog y	4(2)	116-122	2018
95	Kaur H and Gupta M	RECENT ADVANCES IN THIOSEMICARBAZONES	International Journal of Pharmaceutic	8(2)	259-265	2018

		AS ANTICANCER AGENTS	al, Chemical and Biological Sciences			
96	Sharma A and Gupta M	UNDERLYING MECHANISMS OF ANTICANCER COUMARINS: AN OVERVIEW	International Journal of Pharmaceutics and Drug Design	6(3)	361-370	2018
97	Singh S, Kaur M and Kaur M	A REVIEW ON ANTICANCER ACTIVITY OF 1,3,4 OXADIAZOLE	International Journal of Pharmaceutics and Drug Analysis	6	499-508	2018
98	Singh Y, Kaur B, Kaur A, Gupya VK and Gupta M	SYNTHESIS, SPECTRAL STUDIES AND BIOLOGICAL ACTIVITY OF 2,3-DISUBSTITUTED IMIDAZO [2,1-B] BENZOTHIAZOLE DERIVATIVES	Indian Journal of Pharmaceutical and Biological Research	6 (1)	1-8	2018
99	Kumar P and Gaba P	FORMULATION AND EVALUATION OF PULSATILE DRUG DELIVERY SYSTEM OF LOSARTAN POTASSIUM	International Journal of Universal Pharmacy and Bio Sciences	7(1)	67-89	2018
10	Devi L, Gaba P and Kumar S	A REVIEW ON TOPICAL LIPOSOMES: A NOVEL DRUG DELIVERY SYSTEM	Indo American Journal of Pharmaceutical Research	8(3)	32-39	2018
10	Kaur C and Kumar S	FORMULATION AND EVALUATION OF MOUTH DISSOLVING TABLETS OF MONTELUKAST SODIUM.	Indo American Journal of Pharmaceutical Research	8	390-394	2018
10	Devi L, Gaba P and Kumar S	TOPICAL LIPOSOMES	International Journal of Pharmaceutical sciences and Research	8 (3)	390-402	2018
10	Sharma S, Bajwa PS, Sharma J, Bhargava A	DESIGN AND DEVELOPMENT OF IMMEDIATE RELEASE TABLET OF TERBUTALINE SULPHATE USING 3 ² FULL FACTORIAL STATISTICAL DESIGN	Asian Pacific Journal of Health Sciences	5(1)	47-52	2018
10	Kumar S, Kaur J	DEVELOPMENT OF NANOCRYSTAL FORMULATION WITH IMPROVED DISSOLUTION	Journal of Drug Delivery and Therapeutics	8(5)	118-129	2018

10	Singh S, Kumar S	ETHIOSOMES: ANEW PATHWAY FOR NOVEL DRUG DELIVERY	Indo American Journal of Pharmaceutical Sciences	5(8)	7552-7559	2018
10	Kaur S, Kumar S	NANOSPONGE PRESENT ASPECT AND FUTURE CHALLENGES	Indo American Journal of Pharmaceutical Sciences	5(9)	9390-9398	2018
10	Kaur D, Kumar S	NIOSOMES: PRESENT SCENARIO AND FUTURE ASPECTS	Journal of Drug Delivery and Therapeutics	8(5)	35-43	2018
10	Jyoti, Kumar S	INNOVATIVE AND NOVEL STRATEGY MICROSPONGES FOR TOPICAL DRUG DELIVERY	Journal of Drug Delivery and Therapeutics	8(5)	28-34	2018
10	Kumar S, Sharma N	GOUT: CAUSES AND PHARMACEUTICAL ISSUES	Indo American Journal of Pharmaceutical Sciences	5(7)	6923-6933	2018
11	Devi R, Kumar S	RAMIPRIL: PREFORMULATION STUDY AND FORMULATION OF IMMEDIATE RELEASE GRANULES	Indo American Journal of Pharmaceutical Sciences	5(6)	6037-6049	2018
11	Sharma A, Gupta M	UNDERLINE MECHANISM OF ANTICANCER COUMARINS	International journal of pharmaceuticals and drug analysis	6(3)	361-370	2018
11	Sharma A, Gupta M	SYNTHESIS AND BIOLOGICAL EVALUATION OF COUMARIN DERIVATIVES AS ANTI PROLIFERATIVE AGENT	Journal of Chemical and Pharmaceutical Research	10(10)	120-132	2018
11	Kaur A, Gupta M	DEVELOPMENT AND VALIDATION OF METHOD BY HPLC TECHNIQUE	Indo American Journal of Pharmaceutical Sciences	5(7)	7057-7065	2018
11	Kaur H, Gupta M	RECENT ADVANCES IN THIOSEMICARBAZONES AS ANTICANCER AGENTS	International Journal of Pharmaceutical, Chemical and Biological Sciences	8(2)	259-265	2018

11	Saini D, Gupta M	SYNTHESIS AND SPECTRAL STUDIES AND BIOLOGICAL EVALUATION OF HYDRAZONE DERIVATIVE AS ANTIMICROBIAL AND ANTICANCER AGENTS	International Journal of Science and Research	10(7)	131-135	2018
11	Kumar S, Gupta M	STRESS DEGRADATION STUDIES FOR SIMULTANEOUS ESTIMATION OF RESVERATROL AND GALIC ACID BY RP-HPLC	International Journal of Research Culture Society	11(2)	12-18	2018
11	Gupta VK, Kaur B, Kaur A, Kaur A, Gupta M	SYNTHESIS AND BIOLOGICAL EVALUATION OF 1,3,4 OXADIAZOLYL BENZENE SULPHONYLBENZIMIDAZOLE DERIVATIVE	Indian Journal of Pharmaceutical and Biological Research	6(2)	64-71	2018
11	Himani, Garg R	ORAL DISSOLVING FILMS: A REVIEW	Indo American Journal of Pharmaceutical Sciences	5(10)	10315-10326	2018
11	Kaur P, Garg R	ORAL DISSOLVING FILM: PRESENT AND FUTURE ASPECTS	Journal of Drug Delivery and Therapeutics	8(6)	373-377	2018
12	Gupta R, Gupta GD	ISOLATION AND CHARACTERIZATION OF FLAVONOID GLYCOSIDE FROM CORDIA OBLIQUE WILDLIFE LEAF	International Journal of Green Pharmacy	2	73-79	2018
12	Kushwah AS, Singh T	ACRYLAMIDE: A POSSIBLE RISK FACTOR FOR CARDIAC HEALTH	Asian Journal of Pharmaceutical and Clinical Research	11(10)	39-48	2018
12	Kushwah AS, Kaur P, Shivnandappa TB	EFFECT OF METHANOLIC EXTRACT OF TECTONA GRANDIS LINN LEAVES OF DIABETIC NEUROPATHY IN STREPTOZOTOCIN INDUCED DIABETIC RATS	MOJ Drug Design Develop Therapeutics	2(4)	204-210	2018
12	Kushwah AS, Gupta GD	CONCOMITANT USE OF QUERCETINE AND METFORMIN CARDIAC FUNCTION AND IMPROVE BARO REFLEX SENSITIVITY IN STREPTOZOTOCIN INDUCED DIABETIC RATS	Asian Journal of Pharmacy and Pharmacology	4(3)	343-352	2018
12	Kushwah AS, Saini K, Gupta GD	SOLUBLE DIETARY FIBER FRACTION OF TRIGONELLA FOENUM GRACEUM SEEDS PREVENT OLANZAPINE INDUCED METABOLIC SYNDROME IN RATS	MOJ Drug Design Develop	2(3)	117-124	2018

			Therapeutics			
12	Singh B, Kaur P	ANALYTICAL METHOD DEVELOPMENT AND VALIDATION OF GEMCITABINE.	Indo American Journal of Pharmaceutical Sciences	5(6)	5065-5070	2018
12	Singh S, Kaur M, Kaur M	A REVIEW ON ANTICANCER ACTIVITY OF 1,3,4 OXADIAZOLE	International Journal of Pharmaceutical and Drug Analysis.	5(6)	499-508	2018
12	Singh S, Kaur M, Kaur M	SYNTHESIS, SPECTRAL STUDY AND BIOLOGICAL ACTIVITY OF 2,5-DISUBSTITUTED 1,3,4- OXADIAZOLE.	European Journal of Pharmaceutical and Medical Research	9(5)	277-282	2018

List of Patents

S. NO.	Inventor	Title	Year	File NO.	Status
1	Dr. Shailesh Sharma, Dr. S. Sharma, T. Kaur, B. Gill, Dr. A. Bhandari	Self micro emulsifying dosage form of low solubility active ingredient	2014	1313/DEL/2014	Granted 23/11/2021 Published 13/06/2014 Filed 17/05/2014
2	Dr. Shailesh Sharma, Neelam Sharma, Shivam Thakur, Gurinder Singh, Jaspreet Singh Gulati	Design of hydroquinine microspoon topical gel	2018	201811027714A	Granted 29/07/2022 Published 18/01/2019 Filed 24/07/2018
3	Dr. Rajeev Garg, Hitesh Verma, Dharampal Soni	Vitamin and Mineral Composition for the treatment of Type-2 Diabetes and Method Thereof	2019	201911017624A	Published 31/05/2019 Filed 02/05/2019
4	Neelam Sharma Surajpal Verma	A Novel Gel Formulation of Bexarotene	2019	201911048239A	Published 06/12/2019 Filed 26/11/2019
5	Sumanlata		2021	202111041810	Filed
6	Shailesh Sharma Rahul Kumar Sharma Neelam Sharma Monika Sharma Monika Gupta Nisha Singh Ajay Singh Kushwah Anshu Sharma	Simple instrument for inducing chronic fatigue syndrome and determining the potential of new anti-fatigue drugs	2022	202211053245	Published 23/09/2022 Filed 17/09/2022

List of Design Patent

S. No.	Inventor	Title	Year	File No.	Status
1	Dr. G. D. Gupta	Rectal Insert	2017	252435	Filed 19/03/2013 Granted 03/01/2014
2.	Dr. Shailesh Sharma	Oral/ Buccal Film Hardness Tester	2020	329738-001	Filed 02/06/2020 Granted 01/01/2021
3.	Dr. Sandeep Kumar, Mr. Suryamani. Mr. Akshay Sharma Dr. Inderbir Singh	Portable Laboratory Granulation And Sieving Station	2021	338392-001	Filed 01/02/2021 Granted 14/01/2022
4.	Dr. Shailesh Sharma Dr. Neelam Sharma Ms. Monika Sharma	Bulk Tablet Thickness Tester	2021	343740-001	Filed 22/5/2021 Granted 22/4/2022
5.	Dr. Shailesh Sharma Dr. Rahul Kumar Sharma Dr. A. S. Kushwah Dr. Neelam Sharma Dr. Richa Gupta Dr. Reena Gupta	Bench Top UV Radiation Test Apparatus	2022	357783-001	Filed 3/2/2022 Granted 29/4/2022
6.	Dr. Ajay Singh Kushwah, Ms. Seema Sharma, Dr. Ravinder Pal Singh, Dr. Anurag Mishra	Internet of Thing Based Mobile Medication Computer ICU Trolley	2022	347555-001	Filed 08/08/2021 Granted 13/05/2022
7.	Dr. Shailesh Sharma Dr. Neelam Sharma Dr. Rahul Kumar Sharma Ms. Punam Gaba	Re-sizable Multipurpose Bottle	2022	368886-001	Filed 6/08/2022

List of Copyrights

S. NO	Copyright No	Area	Title	Applicant
1.	10630/2018-CO/L	Literary/ Dramatic	Role of Computers in Hospital Pharmacy	DR. SHAILESH SHARMA
2.	3867/2019-CO/L	Literary/ Dramatic	Role of Pharmacist In Diabetes Management	DR. SHAILESH SHARMA DR. SANDEEP KUMAR
3.	4842/2019-CO/L	Literary/ Dramatic	Incorporating Changes in Indian Pharmacy Educational Standards: To Shift From Product Orientation To Patient Orientation	DR. SHAILESH SHARMA MS. AKNSHA SINGH MS. NEELAM SHARMA
4.	4963/2019-CO/L	Literary/ Dramatic	Role of Drug Solubility and Dissociation Constant in Dosage Form Design	DR. RAJEEV GARG
5.	8692/2019-CO/L	Literary/ Dramatic	Medicine Orientation to Patient Counseling Need of Changes in Indian Pharmacy Schools	DR. SHAILESH SHARMA
6.	206/2020-CO/L	Literary/ Dramatic	Role of Pharmacist in vaccine preventable disease: Meningococcal disease as a stress on Men B	DR. RAHUL KUMAR SHARMA
7.	207/2020-CO/L	Literary/ Dramatic	Digital Learning: The Prospects of Iot Technology In Pharmaceutical Education	DR. SHAILESH SHARMA DR. MONIKA GUPTA
8.	3858/2020-CO/L	Literary/ Dramatic	Significance of ICT in teaching and learning process	DR. SHAILESH SHARMA
9.	5851/2020-CO/L	Literary/ Dramatic	Computers in Pharmaceutical Emulsion and Micro emulsion Development	DR. SHAILESH SHARMA MS. NEELAM SHARMA
10.	5870/2020-CO/L	Literary/ Dramatic	Role of Pharmacist: In Corona Disease 2019 (COVID-19)	DR. SUMAN LATA
11.	7006/2020-CO/L	Literary/ Dramatic	Books: The Best Company in Lockdown	DR. SHAILESH SHARMA MS. AKANSHA
12.	7007/2020-CO/L	Literary/ Dramatic	Ayurvedic approach to the treatment of viral infections	DR. RAHUL KUMAR SHARMA
13.	7948/2020-CO/L	Literary/ Dramatic	Role of Expert System Computational Tool in Pharmaceutical Product Development	MS. HARPREET KAUR MS. RAMANDEEP KAUR DR. SHAILESH SHARMA
14.	10929/2020-CO/L	Literary/ Dramatic	A Technical Note on Find The Missing Millions-Role of Future Pharmacist in Hepatitis	SHAILESH SHARMA , AKANSHA SINGH , AJAY SINGH KUSHWAH
15.	43/2021-CO/L	Literary/	Padlet: Commonly Used As A	DR. SHAILESH SHARMA

		Dramatic	Pedagogical Tools	DR. NEELAM SHARMA KAMALJEET KAUR
16.	8045/2021-CO/L	Literary/ Dramatic	Quality by Design in Pharmaceutical Product Development	DR. SHAILESH SHARMA DR. NEELAM SHARMA
17.	11539/2021-CO/L	Literary/ Dramatic	Guru Tegh Bhadhur Ji- A Legend	DR. SHAILESH SHARMA DR. NEELAM SHARMA AKANSHA SINGH PUNAM GABA
18.	19946-2021-CO/L	Literary/ Dramatic	Gurudwara Garhi Shaib	DR. SHAILESH SHARMA DR. NEELAM SHARMA MS. PUNAM GABA
19.	20403/2021-CO/L	Literary/ Dramatic	Queen of Maratha- Rani Tarabai Bhosale	DR. SHAILESH SHARMA DR. NEELAM SHARMA DR. REENAM GUPTA MS. PUNAM GABA
20.	26081/2021-CO/L	Literary/ Dramatic	Microsponges for Controlled Drug Delivery System	DR. SHAILESH SHARMA DR. NEELAM SHARMA MR. MANTHAN DR. ASHWANI DHINGRA
21.	2051/2022-CO/L	Literary/ Dramatic	Pharmacist Role In Management Of Diabetes	DR. SHAILESH SHARMA DR. AJAY SINGH KUSHWAH DR. NEELAM SHARMA DR. RAHUL SHARMA
22.	4249/2022-CO/L	Literary/ Dramatic	Therapeutic Potential of Indian Medicinal Herbs in Management for Diabetes Mellitus	DR. SHAILESH SHARMA DR. NEELAM SHARMA DR. RAHUL SHARMA MS. PRIYAKSHI MS. NISHA SINGH
23.	4245/2022-CO/L	Literary/ Dramatic	Herbal Approach for for the Management of Drug Induced Cardiotoxicity	DR. SHAILESH SHARMA DR. AJAY SINGH KUSHWAH DR. RAHUL SHARMA MS. NAVNEET KAUR

List of Books Published

S. No.	Authors Name	Title of Book	ISBN No.	Publisher	Year
1.	Dr. N. K. Jain, Dr. G. D. Gupta	Modern Dispensing Pharmacy	978-81-88449-36-9	PharmaMed Press	2008
2.	Dr. R.S. Gaud, Dr. G. D. Gupta, S. B. Gokhle	Practical Biotechnology	818579065-5	Nirali Parkashan	2010
3.	Dr. N. K. Jain, Dr. G. D. Gupta	Modern Dispensing and Hospital Pharmacy	978-81-88449-94-6	PharmaMed Press	2010
4.	Dr. N. K. Jain, Dr. G. D. Gupta	Modern Dispensing Pharmacy 2 nd Edition	978-81-88449-86-5	PharmaMed Press	2010
5.	Dr. G. D. Gupta, Dr. Rajeev Garg	A text book of Pharmaceutical technology and Dosage form Design	978938329049-9	S. Vikas & Company (Medical Publishers) India.	2014
6.	Dr. G D Gupta Dr. Shailesh Sharma Neelam Sharma	Practical Manual of Pharmaceutics-I	938608476-7	Nirali Prakshan, Pune	2016
7.	Dr. G D Gupta Dr. Shailesh Sharma Harsimran Singh	Practical Manual of Human Anatomy and Physiology	938608479-1	Nirali Prakshan, Pune	2016
8.	Dr. G D Gupta Dr. Shailesh Sharma Navjit Kaur	Practical Manual of Pharmacognosy	938608477-5	Nirali Prakshan, Pune	2016
9.	Dr. G D Gupta Dr. Shailesh Sharma Baljeet Singh	Practical Manual of Pharmaceutical Chemistry-I	938608475-9	Nirali Prakshan, Pune	2016
10.	Dr. G D Gupta Dr. Shailesh Sharma	Practical Manual of Biochemistry and Clinical Pathology	938608478-3	Nirali Prakshan, Pune	2016
11.	Dr. G D Gupta Dr. Shailesh Sharma Neelam Sharma	Practical Manual of Pharmaceutics-II	938670055-7	Nirali Prakshan, Pune	2017

12.	Dr. G D Gupta Dr. Shailesh Sharma Baljeet Singh	Practical Manual of Hospital & Clinical Pharmacy	983670016-6	Nirali Prakshan, Pune	2017
13.	Dr. G D Gupta Dr. Shailesh Sharma Satvir Singh	Practical Manual of Pharmaceutical Chemistry –II	938670014-X	Nirali Prakshan, Pune	2017
14.	Dr. G D Gupta Dr. Shailesh Sharma Harsimran Singh	Practical Manual of Pharmacology and Toxicology	938670015-8	Nirali Prakshan, Pune	2017
15.	Dr. GD Gupta Dr. Shailesh Sharma Ramanjeet Kaur Rakesh Joshi	Computer Applications in Pharmacy	938768620-5	Nirali Prakshan, Pune	2018
16.	Anjali Goyal, Dr. Rajeev Garg, Baljeet Kaur	A Text Book of Pharmaceutical Analysis	938426613-2	Birla Publication Pvt. Ltd	2018
17.	Dr. Shailesh Sharma, Baljeet Singh	Human anatomy and physiology	978819381800	Anant Publications Pvt. Ltd.	2019
18.	Dr. Shailesh Sharma Satvir Singh	Drug Store Business Management	9788193798133	Anant Publications Pvt. Ltd.	2019
19.	Dr. Shailesh Sharma, Punam Gaba, Baljeet Kaur	Hospital and Clinical Pharmacy	9788193798140	Anant Publications Pvt. Ltd.	2019
20.	Dr. Shailesh Sharma Harsimran Singh	Pharmacology and Toxicology	9788193818848	Anant Publications Pvt. Ltd.	2019
21.	Dr. Rajeev Garg	A Text book of Industrial Pharmacy-I	9384266337	Birla Publication Pvt. Ltd	2019
22.	Dr. Munish Goyal, Dr. Monika Gupta	Textbook of Pharmaceutics-II	978-81-941912-8-5	Paging Publishers Pvt. Ltd.	2019

23.	Anjali Goyal	A text Book of Pharmaceutical Organic Chemistry-1	938426647-7	Birla Publication Pvt. Ltd	2020
24.	Dr. Shailesh Sharma, Dr. Sandeep Kuma, Punam Gaba	Current Trends in Industrial Pharmacy-I	9781543344-17-2	S. Vikas & Company	2020
25.	Dr. G. D. Gupta Dr. Shailesh Sharma Dr. Anshu Sharma	Practical Manual of Social Pharmacy As per ER-2020	9789354513442	Nirali Prakshan, Pune	2021
26.	Dr. G. D. Gupta Dr. Shailesh Sharma Dr. Neelam Sharma	Practical Manual of Pharmaceutics As per ER-2020	9789354513206	Nirali Prakshan, Pune	2021
27.	Dr. G. D. Gupta Dr. Shailesh Sharma Navjit Kaur	Practical Manual of Pharmacognosy As per ER-2020	9789354513282	Nirali Prakshan, Pune	2021
28.	Dr. G. D. Gupta Dr. Shailesh Sharma Dr. Rahul K. Sharma	Practical Manual of Human Anatomy and Physiology As per ER-2020	9789354513367	Nirali Prakshan, Pune	2021
29.	Dr. G. D. Gupta Dr. Shailesh Sharma Baljeet Kaur	Practical Manual of Pharmaceutical Chemistry As per ER-2020	9789354513121	Nirali Prakshan, Pune	2021
30.	Rahul D. Shimpi Mrinal Sharma Ritu Kainth Dr. S.D.Barhate Dr. Hundan S. Bora	Textbook of Pharmacology-I	9789392159220	Pritam Publications	2022
31.	Dr. Rahul Kumar Sharma, Shilpa Thakur	Role of Herbs in Hepatotoxicity	9786204956497	Lambert Academic Publishing	2022

List of Book Chapters

S. No.	Authors Name	Title of Book	ISBN No.	Publisher	Year
1	M. Gupta and A. K. Madan	Zagreb indices and their variants in drug discovery process” – a monograph in book entitled “Topics in Chemical Graph Theory” Edited by Ivan Gutman and B. Furtula	8660090276, 9788660090272	University of Kragujevac, Serbia	2014, Vol. 16a, pp. 123-150
2	A Agrawal, M Singh, R Gupta, I Jindal & N Jaiswal	Role of Alternative Medicine in Prevention and control of NCD's: What is the Evidence? In Public Health Approaches to non-communicable diseases Editor Dr J S Thakur	9789351294412	Wolters Kluwer, New Delhi	2015 Chapter 28, Page No. 379-390
3	Hitesh Chopra, Sandeep Kumar and Inderbir Singh	“Bioinks for 3D printing of artificial extracellular matrices” in advanced 3D-Printed Systems and Nanosystems for Drug Delivery and Tissue Engineering. Edited by Lisa C. du Toit, Pradeep Kumar, Yahya E. Choonara, Viness Pillay	9780128184714	Woodhead Publishing Series by Elsevier	2020 Chapter-01 Page No. 1-37
4	Hitesh Chopra, Sandeep Kumar and Inderbir Singh	“Bioadhesive Hydrogels and Their Applications” in Bioadhesives in Drug Delivery Editor(s): K.L. Mittal, I. S. Bakshi, J. K. Narang	9781119640196	Scrivener Publishing LLC	2020 Chapter 6 Page No. 147-170
5	Richa Gupta, Ajay Singh Kushwah, and Javesh Kashinath Patil	Botanicals in Dietary Supplements and Fibers in book entitled “Food Supplements and Dietary Fibers in Health and Disease	9781774913369	AAP Advances in Nutraceuticals	2022 Chapter 14
6	Punam Gaba, Hitesh Chopra, Lalita	Nanohydrogel for Targeted Drug Delivery System in book entitled Bionanotechnology: Emerging Applications of Bionanomaterials Editors Ahmed Barhoum, Jaison Jeevanandam, Michael Danquah	9780128242209	Elsevier	2022 Chapter 10
7	Astha Sharma, Monika Gupta and Anju Goyal	Aqueous Acid-Base Titrations book entitled Advanced Techniques of Analytical Chemistry Editors Anju Goyal and Harish Kumar	(Online): 978-981-5050-23-3 (Print): 978-981-5050-24-0	Bentham Books	2022 27-44 Chapter -3

List of Ph.D. Awarded

S. No.	Year	Name	Name of Supervisor	Title of Thesis
1.	2010	Dr. Rajeev Garg	Dr. G. D. Gupta	DESIGNING AND EVALUATION OF GASTRORETENTIVE DOSAGE FORM OF SILYMARIN AND ACYCLOVIR
2.	2011	Dr. Shailesh Sharma	Dr. G. D. Gupta	FORMULATION AND OPTIMIZATION OF FAST DISSOLVING TABLETS OF SOME ANTIEMETIC DRUGS.
3.	2011	Dr. Harun Patel	Dr. M. N. Noolvi	DESIGN AND SYNTHESIS OF TYROSINE KINASE INHIBITORS AS POTENTIAL ANTICANCER AGENTS
4.	2013	Dr. K. G. Singhal	Dr. G. D. Gupta	PHYTOCHEMICAL AND PHARMACOLOGICAL INVESTIGATION OF NERIU OLEANDER LINN.
5.	2013	Dr. K. Gaurave	Dr. G. D. Gupta	DEVELOPMENT AND EVALUATION OF OSMOTICALLY CONTROLLED DRUG DELIVERY SYSTEMS OF CARVEDILOL AND ATENOLOL
6.	2013	Dr. Sandeep Kumar	Dr. Suresh Purohit, Dr. G. D. Gupta	DISSOLUTION ENHANCEMENT OF POORLY SOLUBLE BCS CLASS-II DRUGS BY SOLID DISPERSION TECHNIQUE
7.	2013	Dr. Satnam Singh	Dr. CPS Yadav, Dr. M. N. Noolvi	STANDARDIZATION, PHYTOCHEMICAL AND PHARMACOLOGICAL STUDIES ON <i>GENTIANA OLIVIERI</i> GRISEB. AND <i>PICRORHIZA KURROA</i> ROYLE EX BENTH
8.	2014	Dr. Monika Gupta	Dr. A. K. Madan	DEVELOPMENT OF MOLECULAR DESCRIPTOR FOR ACCELERATING THE DRUG DISCOVERY PROCESS
9.	2014	Dr. Tejvir Kaur	Dr. Shailesh Sharma, Dr. Sanjay Sharma	FORMULATION AND EVALUATION OF SELF CROEMULSIFYING DRUG DELIVERY SYSTEM OF SOME POORLY WATER SOLUBLE DRUGS
10.	2015	Dr. Vandana Kharb	Dr. Heman Jadhav	DEVELOPMENT AND EVALUATION OF TASTE MASKED FORMULATION OF ONDANSETRON HYDROCHLORIDE
11.	2017	Dr. Rahul Taneja	Dr. G. D. Gupta	FORMULATION AND OPTIMIZATION OF PULSATILE DRUG DELIVERY SYSTEM OF ANTI-HYPERTENSIVE DRUGS
12.	2017	Dr. Gurjeet Singh	Dr. G. D. Gupta, Dr. Shailesh Sharma	ENHANCEMENT OF BIOAVAILABILITY OF POORLY WATER SOLUBLE DRUGS AND OPTIMIZATION.
13.	2018	Dr. Nirlep Kaur	Dr. Rajiv Garg, Dr. Manish Devgan	DESIGN AND EVALUATION OF TRANSDERMAL FORMULATION CONTAINING VESICULAR CARRIERS
14.	2018	Dr. Richa Gupta	Dr. G. D. Gupta	PHARMACOLOGICAL, PHYTOCHEMICAL AND BIOLOGICAL EVALUATION OF <i>CORDIA OBLIQUA</i> WILLD: LEAF.

15.	2018	Dr. Prabhjot Singh Bajwa	Dr. Jaya Sharma, Dr. Anurag Bhargava, Dr. Shailesh Sharma	DESIGN AND DEVELOPMENT OF CHRONOTHERAPY BASED PULSATILE DRUG DELIVERY SYSTEM FOR TREATMENT OF NOCTURNAL ASTHMA
16.	2018	Dr. Manish Kumar	Dr. Nitin Bansal	STUDIES TO EXPLORE THE ROLE OF PHOSPHOINOSITIDE-3-KINASE/AKT MODULATORS IN EXPERIMENTAL MODEL OF ALZHEIMER'S DISEASE
17.	2019	Dr. A. S. Kushwah	Dr. G. D. Gupta	CARDIOPROTECTIVE ROLE OF AMP-ACTIVATED PROTEIN KINASE (AMPK) ACTIVATORS IN DIABETIC AND ATHEROSCLEROTIC RATS.
18.	2019	Dr. Abhimanyu Rai Sharma	Dr. B. Shrivastava, Dr. Anurag Bhargava, Dr. Shailesh Sharma	DESIGN, DEVELOPMENT AND OPTIMIZATION OF CHROMONMODULATED DRUG DELIVERY SYSTEM FOR TREATMENT OF HYPERTENSION.
19.	2019	Dr. Binu Raina	Dr. B. Shrivastava, Dr. Anurag Bhargava, Dr. Shailesh Sharma	DESIGN DEVELOPMENT AND OPTIMIZATION OF CHRONOTHERAPEUTIC DELIVERY SYSTEM OF DEFLAZACORT
20.	2019	Dr. Monika	Dr. Rajiv Garg, Dr. Satish Sardana	FORMULATION AND EVALUATION OF RESVERATOL LOADED SELF NANO EMULSIFYING DRUG DELIVERY SYSTEM USING EXPERIMENTAL DESIGN
21.	2019	Dr. Suman Lata	Dr. A. P. Singh, Dr. Sanjeev Kumar Mittal	PHYTOCHEMICAL SCREENING AND HEPATOPROTECTIVE ACTIVITY ON FLAVONOIDS OF <i>CUCUMIS DIPSACEUS EHRENB.</i>
22.	2021	Ms. Nimrata Seth	Dr. Shailesh Sharma	DESIGN AND EVALUATION OF MICROSPHERES OF ANTIHYPERTENSIVE DRUG
23.	2021	Mr. Deepak Sharma	Dr. Rajiv Garg	DESIGN AND DEVELOPMENT OF BENZDIAMINE HYDROCHLORIDE FORMULATIONS FOR EFFECTIVE TREATMENT OF APHTHOUS STOMATITIS.
24.	2021	Mr. Rajesh Kumar	Dr. Rajiv Garg	FORMULATION AND EVALUATION OF NANOPARTICLES CONGAING ACTIVE CONSTITUENT FROM BRHAMI FOR ALZHEIMER DISEASE
25.	2021	Ms. Shweta Aggarwal	Dr. Rajiv Garg	DESIGN AND DEVELOPMENT OF LIPID BASED FORMULATIONS FOR TARGETED LYMPHATIC DRUG DELIVERY
26.	2022	Rajni Bhanot	Dr. Shailesh Sharma	FORMULATION AND OPTIMIZATION OF FAST DISSOLVING DOSAGE FORMS OF ANTI-EMETIC DRUG
27.	2022	Mr. Kuljeet Singh	Dr. Shailesh Sharma	DEVELOPMENT AND CHARACTERIZATION OF ORODISPERSIBLE TABLETS OF ANTIHYPERTENSIVE DRUGS
28.	2022	Ms. Neelam	Dr. Surajpal Verma	DESIGN OF LIPOSOMAL TOPICAL DOSAGE FORM OF

		Sharma		BEXAROTENE FOR THE EFFECTIVE TREATMENT OF CUTANEOUS T-CELLS LYMPHOMA
29.	2022	Ms. Daisy Sharma	Dr. Shailesh Sharma	CHARACTERIZATION AND DEVELOPMENT PHYTOSOMES OF <i>CASSIA FISTULA</i>
30.	2022	Mr. Chiman Lal	Dr. G. D. Gupta, Dr. Rajiv Garg,	FORMULATION AND OPTIMIZATION OF GASTRORETENTIVE DRUG DELIVERY SYSTEM OF NIFEDIPINE AND VALSARTAN

List of Ph.D Students in Progress

S. No.	Name	Name of Supervisor
1.	Mr. Baljeet Singh	Dr. Shailesh Sharma, Dr. Manish Sinha
2.	Ms. Navjot Kaur	Dr. Shailesh Sharma
3.	Ms. Roopal Mittal	Dr. Shailesh Sharma
4.	Mr. Hitesh Verma	Dr. Rajiv Garg
5.	Ms. Seema Saini	Dr. Rajiv Garg
6.	Mr. Hitesh Chopra	Dr. Inderbir Singh, Dr. Sandeep Kumar
7.	Mr. Satvir Singh	Dr. Monika Gupta
8.	Mr. Harsimran Singh	Dr. Navneet Khurana
9.	Ms. Anjali Goyal	Dr. Sanjiv Mittal
10.	Mr. Kunal Khurana	Dr. Nitin Bansal
11.	Ms. Tarvanti	Dr. Nitin Bansal
12.	Mr. Vivek Verma	Dr. Shailesh Sharma
13.	Ms. Gurpreet Kaur	Dr. A. S. Kushwah

5.7.2. Sponsored Research (10)

Year wise distribution of Research Grant

Year	Project Title	Amount in Lakh	Cumulative amount in Lakh
CAY	DST-FIST Level 0	95.00	95.00
2021-22	Up-gradation of separation and analytical facilities of pharmaceutical research lab in Pharmaceutical Analysis Department	11.42	106.42
CAYm1	Modernization and add on accessories for existing Power Lab Cardiovascular Research Lab in Pharmacology Department	11.16	117.58
2020-21	Modernization of advanced systematic physiology and Biochemistry Lab of Pharmacology Department	12.91	130.49
CAYm2	Evaluation and Management of Early stage Cutaneous T-Cells Lymphoma Skin Cancer Cells by using antineoplastic drug loaded engineered micro-carriers in topical formulations	4.37	134.86
2019-20			

5.7.3. Consultancy (from Industry) (10)

Year wise distribution of Research Grant

Year	Project Title	Amount in Lakh	Cumulative amount in Lakh
CAY	Consultancy in Analytical Process Evaluation	3.35	3.35
2021-22			
CAYm1	Consultancy in Analytical Process Evaluation	2.64	5.99
2020-21			
CAYm2	Consultancy in Analytical Process Evaluation	1.36	7.35
2019-20			

5.7.4. Honorary Consultancy from Central/State/Local Government Organizations (5)

S.No.	Name	Designation	Honorary Contribution	Department	Since
01	Dr. Shailesh Sharma	Professor and Director	Member-Academic Council	IKGPTU, Jalandhar	17/01/2022
02.	Dr. Shailesh Sharma	Professor and Director	Member- Board of Studies (Pharmacy)	IKGPTU, Jalandhar	26/05/2021
03.	Dr. Shailesh Sharma	Professor and Director	Member- Panel of Expert	Guru Gobind Singh Skill Institute (IIT Ropar) and IKG-PTU	25/02/2022
04.	Dr. Monika Gupta	Professor	Member- Panel of Expert	Guru Gobind Singh Skill Institute (IIT Ropar) and IKG-PTU	25/02/2022
05.	Dr. A.S. Kushwah	Professor	Member- Panel of Expert	Guru Gobind Singh Skill Institute (IIT Ropar) and IKG-PTU	25/02/2022
06.	Dr. Rahul Kumar Sharma	Assistant Professor	Member- Panel of Expert	Guru Gobind Singh Skill Institute (IIT Ropar) and IKG-PTU	25/02/2022
07.	Dr. Monika Gupta	Professor	Member- Board of Studies (MLS)	IKGPTU, Jalandhar	26/05/2021
08.	Dr. Monika Gupta	Professor	Member- Board of Studies (Pharmacy)	RIMT University, MandiGobindGarh, Punjab	22/01/2021
09.	Dr. A. S. Kushwah	Professor	Member- IAEC	PGI, Chandigarh	06/05/2022
10.	Dr. A. S. Kushwah	Professor	Member-IAEC	IIT, Ropar	11/05/2022
11.	Dr. A. S. Kushwah	Professor	Consultancy of various products	Indus Well Ayurveda, Yamuna Nagar, Haryana R &D, F&D	05/08/2018
12.	Dr. Richa Gupta	Associate Professor	Consultancy of various products	Indus Well Ayurveda, Yamuna Nagar, Haryana R &D, F&D	05/08/2018
13.	Dr. Neelam Sharma	Associate Professor	Consultancy of various products	CONOR Cosmetics, Haryana R &D, F&D	11/10/2019
14	Dr. Rahul Kumar Sharma	Assistant Professor	Consultancy of various products	CONOR Cosmetics, Haryana R &D, F&D	11/10/2019

5.7.5. Development activities (5)

Product Development

The institution has adequate infrastructure facilities to cater formulation development needs of some of the pharmaceutical industries located in and around Ropar and Baddi. The technology/process of development of prototype formulations of formulations developed in the department of pharmaceuticals of the institution has been scaled up successfully before being marketed.

Some of the facilities of the institution have undertaken development projects on collaboration with other college and industries which were used for further clinical studies.

List of Collaborative Work

S. No.	Year	Title of Collaborative Work	Name of Agency
1	2021	Method development and validation of simultaneous estimation of Empagliflozin and Metformin Hydrochloride in Pharmaceutical extended release dosage forms by RP-HPLC	ACME Genric Ltd. Baddi
2	2020	A QSAR approach for the prediction of inhibitors against NS1A protein of influenza Virus H1N1.	CSIR-Institute of Microbiology Technology Sector 39A, Chandigarh
3	2020	Immune activation of dendritic cell by Mitefosin and its regulation by drug- resistant and sensitive Lesmania donovani.	CSIR-Institute of Microbiology Technology Sector 39A, Chandigarh
4	2020	Development of Bio diagnostics for the detection of analyte in Healthcare and Environment.	CSIR-Institute of Microbiology Technology Sector 39A, Chandigarh
5	2019	Method development and validation of simultaneous estimation of Telmisartan and Hydrochlorothiazide in Pharmaceutical dosage forms by RP-HPLC.	BRD Medilabs, Baddi
6	2019	Formulation and evaluation of Microsponge based Hydroquinone topical Gel	Hi-Tech Formulation, Solan
7	2018	Method development validation and forced degradation study of simultaneous estimation of resveratrol and gallic acid	Oniosomes Health Care Pvt. Ltd., Mohali
8	2018	Method development ,validation, forced degradation study for simultaneous estimation of gemcitadine hydrochloride	Oniosomes Health Care Pvt. Ltd., Mohali
9	2017	Design of Benzoyl peroxide Microsponge controlled release Topical Gel	Hi-Tech Formulation, Solan
10	2017	Design of Hydroquinone Microsponge controlled release Topical Gel	Hi-Tech Formulation, Solan
11	2017	Method development and validation for stimulation estimation of atorvastatin calcium and celecoxib by HP-HPLC	Oniosomes Health Care Pvt. Ltd., Mohali
12	2016	Process Validation of the management stage of Nodimox Plus 250 Dispersible Tablets	Unichem Laboratories, Baddi
13	2015	Formulation and evaluation of bilayer tablets of Metformin (ER) with Glimepiride and Pioglitazone HCl (IR)	BRD Medilabs, Baddi

14	2012	L-name as a therapeutic intervention for depression induced by chronic restraint hypoxia (CRH)	Defence Institute of Physiology & Allied Sciences (DIPAS), New Delhi
15	2012	Effect of diabetes mellitus on the pharmacokinetic behavior of cefpodoxime proxetil in wistar rats.	Wockhardt Research Centre, Aurangabad, Maharashtra
16	2012	Effect of diabetes mellitus on the pharmacokinetic behavior of fluoxetine in wistar rats.	Wockhardt Research Centre, Aurangabad, Maharashtra
17	2012	Analysis of water for injection.	Shree Krishna Analytical Services, Baddi
18	2011	Effect of antidotes on biomarkers of sulphur mustard toxicity	Defence Research Development Establishment (DRDE) Gwalior
19	2011	Toxicity evaluation of nanoparticles based formulation for sulphur mustard decontamination	Defence Research Development Establishment (DRDE) Gwalior
20	2011	Anti-inflammatory and immunosuppressive potential of <i>Cissampelos pareira</i> Linn. Leaves	CSIR – National Botanical Research Institute (NBRI) Research institute in Lucknow, Uttar Pradesh
21	2011	Anti-adipogenic and anti diabetic activity of <i>Mirabilis jalapa</i> (Nyctaginaceae)	CSIR - Indian Institute of Integrative Medicine (IIIM), Jammu
22	2010	Immune system target of hypobaric hypoxia	Defence Institute of Physiology & Allied Sciences (DIPAS), New Delhi
23	2010	Influence of a chemically standardized root extract of <i>Withania somnifera</i> dunal on immune system.	CSIR - Indian Institute of Integrative Medicine (IIIM), Jammu
24	2010	Evaluation of hemolytic activity and adjuvant effect of supercritical CO ₂ extracts HR300 and HR350n immune response of antigen immunized mice.	Defence Institute of Physiology & Allied Sciences (DIPAS), New Delhi
25	2010	Immunopharmacological approaches to select potent immunomodulatory medicinal plant (<i>Ocimum sanctum</i>) acting on humoral and cell mediated immunity	CSIR - Indian Institute of Integrative Medicine (IIIM), Jammu
26	2010	Cytoprotective evaluation of DRDE-7 against sulphur mustard in tumor bearing mice	Defence Research Development Establishment (DRDE) Gwalior
27	2010	Stability studies and biological efficacy of pralidoxime chloride and atropine sulphate used in self injectable autoject injector devices against nerve agents	Defence Research Development Establishment (DRDE) Gwalior

Faculty members are encouraged to undertake department research and disseminate the research outcome in the form of publications/patent.

Details of Patents Filed/Awarded

List of Patents

S. No.	Inventor	Title	Year	File No.	Status
1	Dr. Shailesh Sharma, Dr. S. Sharma, T. Kaur, B. Gill, Dr. A. BHandari	Selfmicroemulsifying dosage form of low solubility active ingredient	2014	1313/DEL/2014	Granted in 2022
2	Dr. Shailesh Sharma,	Design of hydroquinine	2018	201811027714A	Granted in

	Neelam Sharma, Shivam Thakur, Gurinder Singh, Jaspreet Singh Gulati	microsponge topical gel			2022
3	Dr. Rajeev Garg, Hitesh Verma, Dharampal Soni	Vitamin and Mineral Composition for the treatment of Type-2 Diabetes and Method Thereof	2019	201911017624A	Published
4	Neelam Sharma Surajpal Verma	A Novel Gel Formulation of Bexarotene	2019	201911048239A	Published
5	Sumanlata		2021	202111041810	Filed
6	Shailesh Sharma Rahul Kumar Sharma Neelam Sharma Monika Sharma Monika Gupta Nisha Singh Ajay Singh Kushwah Anshu Sharma	Simple instrument for inducing chronic fatigue syndrome and determining the potential of new anti- fatigue drugs	2022	202211053245	Published 23/09/2022 Filed 17/09/2022

List of Design Patent

S. NO.	Inventor	Title	Year	File NO.	Status
1	Dr. G. D. Gupta	Rectal Insert	2017	252435	Granted
2.	Dr. Shailesh Sharma	Oral/ Buccal Film Hardness Tester	2020	329738-001	Granted
3.	Dr. Sandeep Kumar, Mr. Suryamani. Mr. Akshay Sharma Dr. Inderbir Singh	Portable Laboratory Granulation And Sieving Station	2021	338392-001	Granted
4.	Dr. Shailesh Sharma Dr. Neelam Sharma Ms. Monika Sharma	Bulk Tablet Thickness Tester	2021	343740-001	Granted
5.	Dr. Shailesh Sharma Dr. Rahul Kumar Sharma Dr. A. S. Kushwah Dr. Neelam Sharma Dr. Richa Gupta Dr. Reena Gupta	Bench Top UV Radiation Test Apparatus	2022	357783-001	Granted
6.	Dr. Ajay Singh Kushwah, Ms. Seema Sharma, Dr. Ravinder Pal Singh, Dr. Anurag Mishra	Internet of Thing Based Mobile Medication Computer ICU Trolley	2022	347555-001	Granted

Research Faculties and Research Labs Available

Basic Science Research Centre

The research centre of the college is engaged in basic research with state of art facilities. The key areas are Molecular Biology, Medicinal Chemistry, Molecular Modelling, Instrumental Analysis, Formulation Development, Nano-formulations, Optimization of Dosage Forms and Natural Product Research.

Advanced Instrumentation Room

The institution has a well development central instrumentation room with sophisticated equipment such as Isocratic HPLC system, FT-IR, UV visible spectrophotometer, Attenuated Total Reflectance spectrometer, UG, PG, research scholar and staff utilize the facilities to carry out their regular experiments, research and consultancy projects.

Pilot Plant

The pilot plant of the institution is designated to mimic the industrial set-up so as the students get acquainted with the actual work methodology of Pharma industries. Pilot plant is equipped with advanced facilities like Tablet compressor, tray dryer, Kalweka all-purpose equipment, Double cone mixer, ball mill, tablet disintegration apparatus, tablet coating apparatus, high speed homogenizer etc. for various pharmaceutical product development by students, Research scholars and faculty.

Instructional Materials

Instruments available in all the laboratories are provided with Standard Operating Procedure prepared by the faculty members and that the students follow the same.

Course Plan

Course plan is an essential tool when designing any course. They add important structure to lesson planning and the delivery of instruction. They act as a guide for both the teacher and student; and can provide a valuable routine. Also, course plan works as a reference for colleague, administrators, and accreditation agencies. It allows others to see what the teacher is doing in the course, and what is expected by the students.

Lab Manuals

Lab manuals or course files are prepared for the experiments of the respective course. The details of experiment, references, material/chemical, glasswares and instrument/equipment used for completion of the practical is written in the manual. Detailed procedure, calculations and expected results are also mentioned in the manual. The learning outcome of the practical is well mapped with the course outcome and program outcome. Student learning is evaluated through the viva-voce of the practical and the learning impacts are evaluated.

Charts / Models

Display board and working models prepared by faculty of respective department have been exposed to view in the labs and common areas which helps the students to gain both theoretical and practical knowledge of the subject.

S.No.	Chart/ Model	Title
1.	Model	Tablet Thickness Evaluator
2.	Model	Film Hardness Test Apparatus
3.	Model	Mouth Dissolving Tablet Disintegrator
4.	Model	Film Tensile Strength Apparatus
5.	Chart	History of Pharmacy
6.	Chart	Eminent Personalities of Pharmacy Profession
7.	Chart	Drug Discovery
8.	Chart	Green Chemistry
9.	Chart	Molecular Modelling
10.	Chart	Lab Life: Waste disposal
11.	Chart	pH Scale
12.	Chart	HIV/AIDS
13.	Chart	Laboratory Waste Disposal
14.	Chart	Hazardous Symbols
15.	Chart	Purification of Organic Compounds using Recrystallisation
16.	Chart	Interpretation of Mass Spectrum
17.	Chart	Distillation
18.	Chart	Interpretation of IR Spectra
19.	Chart	Drying of Organic Solvents
20.	Chart	Identification of carbohydrates
21.	Chart	Interpretation of IR spectra
22.	Chart	The Electromagnetic spectrum
23.	Chart	Interpretation of NMR Spectra
24.	Chart	Classification of Chemical Reactions
25.	Model	Glassware
26.	Model	Stereo model
27.	Chart	Common Laboratory Equipment
28.	Chart	Digital Analytical Balance Chart
29.	Chart	Analytical Balance
30.	Chart	Standard Solutions (Primary vs. Secondary)

31.	Chart	Karl Fischer Titration
32.	Chart	Primary Standards and Secondary Standards used in the titration
33.	Chart	Indicators used in Acid-Base Titration
34.	Chart	Titration (Acid Base vs. Redox)
35.	Chart	Titration (Back vs. Direct)
36.	Chart	Symptom of Diabetes
37.	Chart	Drug food interaction
38.	Chart	Stroke
39.	Chart	Management of Asthma
40.	Chart	High blood pressure Hypertension
41.	Chart	Corona virus Vs Cold/Flu
42.	Chart	Clinical trial path in discovering new treatment
43.	Chart	Pharmacovigilance: A stride toward drug safety
44.	Chart	A growing predator: Cancer
45.	Chart	Handling and animal behavior pattern
46.	Chart	Anatomy of rat central nervous system
47.	Chart	Route of drug administration in animals
48.	Chart	Blood withdrawal techniques in animals
49.	Model	Narrow beam walk test model
50.	Model	Inclined plane model
51.	Model	Staircase model
52.	Model	Bar test model
53.	Model	Observation chamber model
54.	Model	Sleep deprivation model
55.	Model	Rat and Mice rehabilitation cage
56.	Model	Rabbit run cage
57.	Model	Morris water maze tank model
58.	Chart	Buccal mucosa
59.	Chart	Nanosponge drug delivery system
60.	Chart	Nanosponge: A target drug delivery system
61.	Chart	Hydrogel
62.	Chart	Gastro retentive system
63.	Chart	Vascular pathways of drugs
64.	Chart	Route of drug administration
65.	Chart	Cosmetic preparation

66.	Chart	Crystal Lattice
67.	Chart	Component of Aerosol
68.	Chart	Manufacture process of Tablet
69.	Chart	Latin term used in Prescription
70.	Chart	Classification of dosage form
71.	Chart	Label of medicine
72.	Chart	Sterilization Techniques
73.	Chart	Bacterial Cell
74.	Chart	Microscope
75.	Chart	Laminar Air flow
76.	Chart	Classification of Virus
77.	Chart	Common Tablet Shape
78.	Chart	Liquid oral manufacture plant
79.	Chart	Liquid Dosage form
80.	Chart	Fluidized Bed Principal
81.	Chart	Tablet coating defect
82.	Chart	Capsule filling machine
83.	Chart	Tablet compression

5.8.Faculty Performance Appraisal and Development System (FPADS) (20)

Performance appraisal is a formal method of evaluation of performance of the faculties. It decides whether the performance of the faculties meets the desirable standards of the performance of the faculties meets the desirable standard of the post they are holding. It is designed to increase the efficacy of the teachers aiding them in the career development. The faculty is assessed annually by the self appraisal method, peer evaluation and student feedback system. The analysis is done based on the following parameters: result, number of seminars, conference and QIPs attended, paper publications and patents, research grants and consultancy project received. Student's feedback is however given top priority and is duly communicated at personal level by principal to the faculty.

The institution also encourages faculty self-development through upgrading education by providing full support in term of facilities. Faculty participation in continuing education program, various national and international level conferences, sponsored registrations is also encouraged. The appraisal system has given way for further enhancement and up gradation of their skill and knowledge.

Faculty Self Appraisal Report

An Annual Self-Appraisal Report filed by each faculty member which has been circulated and collected manually by using questioner at the end of every academic year.

The questionnaire has various parameters which optimizing the performance/contribution of the faculty in the growth of themselves and college. The questionnaire includes about Academic Results, Role in Admissions, Responsibility performance, Student Projects, Publications, Books/Books Chapter, IPR's, Conference Attended, Paper presented and Role as Speaker in Conference and Seminars.

The evaluation committee also evaluate teacher on their Professionalism (working attitude) and dedication towards college, behavior with colleague and students, Feedback collected from Students and office.

The three senior member committee (one member from each department) is nominated by director every year for evaluating the SAR submitted by the faculty.

It is essential to score Minimum Marks For Professor 135, Associate Professor 130 Assistant Professor with PhD 125, Assistant Professor without PhD 120.

Reward

Letter of Appreciation for the faculty members receiving marks more than prescribed. Also one best teacher is awarded every year based on their performance.

Corrective Action

Teachers receiving less score than prescribed in their SAR would be counseled.

Warning Letter would be issued to the teachers whose score will be less than 80% of prescribed score.

If the score is consecutively less than 80% in two years then, their increment will be stopped for a year.

Necessary actions would be taken against teachers.

Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial College of Pharmacy
(An Autonomous College)
BELA (Ropar) Punjab
Self-Annual Appraisal Report – Faculty

For office use only:

Dairy No: _____

Date of Receiving: _____

Sign: _____

A. PERSONAL DETAILS

1.	Name		
2.	Department		
3.	First Date of Joining of College		Joined as :
4.	Present Designation		
5.	Joining date of present designation		
6.	Mobile Number		
7.	Email id.		
8.	Aadhar Number		
9.	PAN No.	CEWPS5861P	

B. Qualifications

Class	Board/University	Year	Percentage/CGPA
Matriculation (10 th)			
Sr. Secondary (12 th)			
D. Pharm.			
B. Pharm.			
M. Pharm. (Pharmacology)			
PhD- Pharmacy			
Executive Diploma in Pharma Product Management			

C. Leaves availed in last year (January to December) (Verified from Office Supdt.)

Type of Leave	Sanctioned	Availed	Sanctioned -Availed	Score
Casual Leaves	10			
Medical Leaves	10			
Academic Leave	05			
Duty Leave				
Late or early leave (more than two in a month)	12 X 02			
Leave without Pay				
Other _____				

(Minus ONE Mark (-01 Mark) for leave availed more than sanction)

1 of 4

D. Academic Results (Only one year)(Max. Score 10) (Verified from Result Section)

Sr. No.	Session and Year	Class and Semester	Subject Code	Subject	No. of Class Taken	Class Pass Percentage	Score

$$\text{Final Score} = \frac{\text{Total Score}}{\text{Number of Subject Taught}} = \text{---} =$$

Marks Distribution	For Diploma & Degree Courses	For Masters Course
10 Marks	More than 95%	More than 95%
08 Marks	85 to 94.99%	85 to 94.99%
06 Marks	80 to 84.99 %	80 to 84.99%
NIL	Less than 80%	Less than 80%

E. Role in Admissions in past two years (Max. Score 10) (Verified from Admission Cell)

Class	20____-20____	20____-20____	Score
D. Pharm.			0
B. Pharm.			0
B. Sc.			0
M. Pharm.			0
M.Sc.			0

(One mark for each admission)

F. Course Development (Max. Score 30)

Particular	MM	Marks Obtained	Remarks
Course File	10		
Implementation of Plan	10		
Gap filling in syllabus	05		
IQAC Marks	05		

G. Responsibilities other than academics (Max. Score 10)

Sr. No.	Role /Position/In-charge of	Major Achievement of Last Year	Score

H. Student Projects (last academic Year) (Max. Score 20)(Verified from Project Co-ordinator)

Class	Number Project Guided in last Academic Year	Score
B. Pharm. (05)		
B. Sc. (05)		
M. Pharm. (05)		
M. Sc. (03)		
PhD (Ongoing) (05)		
PhD (Completed) (10)		

I. Publication (Only if Corresponding author or with M.Pharm./or with Research Candidate in Scopus/SCI Indexed) (Last Academic Year) (Max. Score 20) (Attach the full paper)

Sr. No.	Title	Year	Journal	Vol (issue), Page No.	Impact Factor	Score

2 of 4

(05 marks for each publication)

J. Books/Books Chapter Published (last academic Year) (Max. Score 10)(Attach the Cover pages of Book First and Last)

Book/ Book Chapter	Title	Publisher	ISSN No	Score

(10 marks for each book and Book Chapters)

K. IPR's (Patent/Design Patent/Copyright) (Max. Score 10)(Attach the Certificate)

Type of IPR	Title	Current Status	Score
Type of IPR	Submitted	Published	Granted
Copyright	02	05	05
Design Patent	05	07	10
Patent	05	07	10

L. Faculty Development Program/Short Term Training Program/Swayam Courses Attended (Max. Score 10)(Attach the Certificate)

Type of Prog.(FDP/STTP/ Swayam)	Title of Program	Dates (from-to)	Score

(Score : 07 or More Days: 10 Marks; 05 or More Days: 07 Marks; 03 or More days : 05 Marks; one or more days: 03 Marks)

M. Conference/Seminar/Symposium Attended(Max. Score 10)(Attach the Certificate)

Type of Prog.	Status (International/ National/College organized)	Title of Program	Dates (from-to)	Score
Score	International	National	In College	
10	03 or more days	-	-	
09	-	03 or more days	-	
08	-	-	03 or more days	
07	01 or more days	-	-	
06	-	01 or more days	-	
05	-	-	01 or more days	

N. Paper presented / Speaker or Guest in Conference/Seminar/Symposium Attended (Attach the Certificate)
(05 marks for each paper presented and 10 marks for awarded paper)

Type of Prog.	Status (International/ National/College organized)	Title of Program	Dates (from-to)	Receive any award	Score

Other Achievement (Max. Score 10) (Only Big Achievement like Project Sanctioned/Co-ordinator of Sponsored Program/ on panel of University or Industry / Awards etc.) (Attach the Certificate)

Date: _____ Name: _____ Designation: _____ Signature: _____

Committee Remarks

Sr. No.	Particular	Out of	Scored Marks	Remarks
01	Working Attitude and Dedication	10		
02	Behavior with Staff Members	10		
03	Behavior with Students	10		
04	Feed Back of Students	10		
05	Feed Back of Office	10		

3 of 4

Total Score _____

Marks in each parameter are COMPULSARY

Sr. No.	Particular	MM	Marks by Faculty	Marks by Committee	Remarks by committee
D	Academic Results	10			
E	Role in Admissions	10			
F	Course Development	30			
G	Responsibilities	10			
H	Student Projects	20			
I	Publication	20			
J	Books/Books Chapter	10			
K	IPR's	10			
L	Faculty Development Program	10			
M	Conference Attended	10			
N	Paper presented / Speaker	10			
	Other Achievements	10			
	Committee Remarks	50			
A	Un-sanctioned Leaves availed (LWP)		(-)	(-)	(-)
	Total Scored Marks	200+10			

Minimum Marks For Professor 135, Associate Professor 130, Assistant Professor with PhD 125, Assistant Professor without PhD 120

Remark of Director: _____

Remark of Chairman/President: _____

☐ Sanctioned ☐ Not Sanctioned

Date: _____ (Director)

(Chairman/President)

Faculty Received Awards

S.No.	Name of Faculty	Year of Award	Title of Award	Awarded by	Date of Receiving
1.	Dr. Shailesh Sharma	2022	Young Director Award	PRISAL National Conference Bhopal 2022	11 June 2022
2	Mr. Devinder Kumar	2022	Young Researcher Award	InSc Institute of Scholars	16 June 2022
3	Ms. Mandeep Kaur	2022	First Prize in Poster Presentation	Department of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala	17-March-2022
4	Dr. Neelam Sharma	2021	Pharma recognition award	Nirali parkashan	17 Oct 2021
5	Dr. Richa Gupta	2021	Third prize for poster presentation	Shree SK Patel college of Pharmaceutical Education and Research, Ganpati University, Gujrat	27 Aug 2021
6	Dr. Shailesh Sharma	2021	Praman Patra Govt. of Punjab For Distinguished work during Corona	Govt. Of Punjab	26 January 2021
7	Dr. Shailesh Sharma	2021	Dynamic Principal Award	Pharma Summit, Nirali Prakshan, New Delhi	17 Oct 2021
8	Dr. Shailesh Sharma	2020	Best Author Award	Balaji Prakshan, Nirali Prakshan New Delhi	27 Sept, 2020
9	Dr. Shailesh Sharma	2020	Fateh Warrior-Bronze Certificate	Govt. of Punjab	23 June 2020
10	Dr. Shailesh Sharma	2020	Fateh Warrior-Silver Certificate	Govt. of Punjab	03 July 2020
11	Dr. Satnam Singh	2019	Atal Amrasta Award	Indo Nepal Samrasta Organisation	25 Dec 2019
12	Dr. Shailesh Sharma	2019	Best Oral Presentation Award	2nd International Conference on Fostering Interdisciplinary Research in Health Sciences (ICFIRHS) 2019, AIMST University, Bedong,	15 September 2019

				Malaysia	
13	Dr. Shailesh Sharma	2019	Young Scientist Award	Leadership and Innovation Summit 2019 by ntegrate of Commerce and Industry New Delhi	27 July 2019
14	Dr. Shailesh Sharma	2019	Pharma Reorganization Award	Pharma Summit, NiraliPrakshan, New Delhi	25 August 2019
15	Dr. Neelam Sharma	2018	32 IPGA Convention in held in Alwar Rajasthan got 1 st prize in poster presentation	IPGA Convention	26 Feb 2018









5.9. Visiting/Adjunct Faculty (5)

College has strong wilness to that their students have to learn the new things from the experts. So college invites various experts of the subject domains from different Industries/ Institutes.

Academic Year	Name of Visiting Faculty	Specialization	Designation	Details	Teaching Hour in a year
2018-19	Dr. Satwant Kaur Shahi	PhD, MSc (Organic Chemistry)	Professor	Organic Chemistry Concepts	More than 50 Hours
	Dr. Mamta Arora	PhD, MSc (Biotechnology)	Associate Professor	Biotechnology Microbiology Remedial Biology	
	Mr. Rakesh Joshi	MCA	Associate Professor	Computer Science	
	Lt. Pritpal Singh	NCC/NSS	Assistant Professor	NCC/NSS	
	Mr. Amarjit Singh	DPE	Assistant Professor	Sports	
	Ms. Ravinder Kaur	M.Sc. (Microbiology)	Assistant Professor	Microbiology Biotechnology	
	Ms. Ramandeep Kaur	M.Sc. (Microbiology)	Assistant Professor	Microbiology Biotechnology	
2019-20	Dr. Satwant Kaur Shahi	PhD, MSc (Organic Chemistry)	Professor	Organic Chemistry Concepts	More than 50 Hours
	Dr. Mamta Arora	PhD, MSc (Biotechnology)	Associate Professor	Biotechnology Remedial Biology	
	Mr. Rakesh Joshi	MCA	Associate Professor	Computer Science	
	Lt. Pritpal Singh	NCC/NSS	Assistant Professor	NCC/NSS	
	Mr. Amarjit Singh	DPE	Assistant Professor	Sports	
	Ms. Ravinder Kaur	M.Sc. (Microbiology)	Assistant Professor	Microbiology Biotechnology	
	Ms. Ramandeep Kaur	M.Sc. (Microbiology)	Assistant Professor	Microbiology Biotechnology	
2020-21	Dr. Satwant Kaur Shahi	PhD, MSc (Organic Chemistry)	Professor	Organic Chemistry Concepts	More than 70 Hours
	Dr. Mamta Arora	PhD, MSc (Biotechnology)	Associate Professor	Biotechnology Microbiology Remedial Biology	
	Mr. Rakesh Joshi	MCA	Associate Professor	Computer Science	
	Lt. Pritpal Singh	NCC/NSS	Assistant Professor	NCC/NSS	
	Mr. Amarjit Singh	DPE	Assistant Professor	Sports	
	Ms. Ravinder Kaur	M.Sc. (Microbiology)	Assistant Professor	Microbiology Biotechnology	
	Ms. Ramandeep Kaur	M.Sc. (Microbiology)	Assistant Professor	Microbiology Biotechnology	

Self-Assessment for Criterion 05

S. No.	Assessment Parameters	Marks	
		Prescribed	Institute
5	Faculty Information and Contributions	175	162.70
5.1	Student-Faculty Ratio (SFR)	20	20
5.2	Faculty Cadre Proportion	20	20
5.3	Faculty Qualification	20	19.20
5.4	Faculty Retention	20	16
5.5	Innovations by the Faculty in Teaching and Learning	15	15
5.6	Faculty as participants in Faculty Development/Training Activities	15	15
5.7	Research and Development	40	32.50
5.7.1	Academic Research	10	9.50
5.7.2	Sponsored Research	10	10
5.7.3	Consultancy (from Industry)	10	03
5.7.4	Honorary Consultancy from Central/State/Local Government Organizations	05	05
5.7.5	Development activities	05	05
5.8	Faculty Performance Appraisal and Development System (FPADS)	20	20
5.9	Visiting/Adjunct Faculty	05	05
	Total Marks	175	162.70
	Percentage	92.97%	



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -06 Facilities



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

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CRITERION 6	Facilities	120
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6. Facilities (120)

6.1. Availability of adequate, well-equipped classrooms to meet the curriculum requirements (20)

Physical facilities are must for students and staff with respect to health, behavior and academic growth. Institution has adequate infrastructure in order to promote a good teaching learning environment in accordance with AICTE, PCI and IKGPTU norms. In support to teaching and learning the college has lecture halls, laboratories, museum, seminar halls, library, animal house, medicinal plant garden. Class rooms are ventilated and equipped with writing boards, overhead projectors, and LCD with Wi-Fi facilities to facilitate teaching and learning.

Class Rooms

Room NO	Room Name	Area (Sq.mt)	Facilities
007	PG- Class Room P.Ceutics	77	LCD, Screen Disk, Chairs, Tables, WiFi and CCTV
024	UG-Class Room - 01	121	
025	UG- Class Room - 02	84	
101	Seminar Hall	140	
114	UG- Class Room - 03	95	
116	UG- Class Room - 04	84	
125	UG- Class Room-05	81	
201	PG- Class Room Pharmacology	53	
202	Tutorial Room-01	35	
219	Tutorial Room-02	35	
222	UG- Class Room- 06	78	
301	PG-Pharm. Chem. Class Room	53	
302	Tutorial Room	26	

Other Amenities

Room Id	Room	Length (ft)	Width (ft)	Sq.ft	Sq.mt
B01	Library	35	50	1750	163
OO6	Placement Cell	23	15	345	32
O14	Store Room	24	8	192	18
O16	First Aid Sick Room	14	11	154	14
O22	SC/ST Scholarship Room	18	20	360	33
O23	Dinning Room	18	19	342	32
O25	Girls Common Room	31	29	899	84
115	Examination Room	27	13	351	33
117	Store-01	29	14	406	38
117A	Store-02	29	11	319	30
118	Stationary Store	29	5	145	13
217	Boys Common Room	27	32	864	80
221	Library and Reading Room	50	28	1400	130
AH	Animal House	60	26	1560	145
MPG	Medicinal Plant Garden	135	67	9045	841
MESS	cafeteria	67	49	3283	305
Shop	Co-operative Store	187	15	2805	261
AUDI	Auditorium	110	65	7150	665
Bank	SBI Bank	34	54	1836	171
SH	Staff quaters (04)	34	55	1870	174
GR	Guest Room	20	10	200	19
AB	Admin Block	50	30	1500	140
P-I	Parking	68	10	680	63
P-II	Parking Faculty	110	15	1650	153
P-III	Parking Two Wheeler	82	11	902	84
PG	Garden and Play Grounds (Open Area)				





6.2. Faculty rooms (10)

The institute has conducive sitting place for the staff members.

Adequate staff room with individual cabin with cupboards and internet wifi connections.

Individual cabins are provided to each faculty members.

Room Id	Room	Length (ft)	Width (ft)	Sq.ft	Sq.mt
001	Director Room	23	15	345	32
002	Office	13	25	325	30
003	President Room	21	11	231	21
004	Chairman Room	21	13	273	25
012	Staff Room	23	12	276	26
022	SC/ST Scholarship Room	18	20	360	33
103	Staff Room	13	13	169	16
108	Staff Room	13	10	130	12
115	Examination Room	27	13	351	33
121	Staff Room	18	14	252	23
124	Staff Room	29	14	406	38
204	Staff Room - HOD	13	13	169	16
209	Staff Room	13	10	130	12
218	Staff Room	27	14	378	35
220	Staff Room - HOD	18	24	432	40
304	Staff Room	13	13	169	16
310	Staff Room	13	10	130	12
SH	Staff Quarters (04)	34	55	1870	174
GR	Guest Room	20	10	200	19
AB	Admin Block	50	30	1500	140



6.3. Laboratories including preparation room (wherever applicable), instrument/machine room and computer labs along with equipment and relevant facilities (60)

The college has state of the art laboratories with advanced and modern equipment's for completion of practical trainings of the students of UG/PG/Doctorate.

All the labs are well ventilated with proper water, gas supply. All the labs have well sanitary drainage system and spacious preparation room/store room attached with the lab.

All the laboratories have First Aid Box/ fire extinguishers and trained laboratory in-charge to handle any accident happened in the laboratories. All the instruments have their well-defined SOP's and calibration procedures.

Laboratories are maintained by the respective department staff in-charge and attenders and supervised by Head of the Department (HoD), Log books are maintained for monitoring effective and safe usage of chemicals and equipment's. Technicians are trained for effective utilization of instruments and equipment's. Stock checking of glassware's, chemicals and equipment's are done at the end of each semester. Any breakage or repair required will be reported to maintenance through HoD or the faculty in-charge and suitable measures will be taken. Details of breakage by students in the laboratories are entered in the breakage register.

Research laboratories with sophisticated equipment's are available for the benefit of the research scholars. They are maintained by a faculty-in-charge who reports directly to the director. Entry to the laboratories and utilization of equipment's is monitored by maintaining log books. Equipment facilities are available for outsiders at nominal fee.

Room No	Room Name	Batch Size	Area Sq.mt	Availability of Manual	Quality of Instrument	Safety Measures	Remarks
B02	Computer Lab 01	30	53	Yes	Working	Available	SOP available
B03	Computer Lab 02	15	26	Yes	Working	Available	SOP available
008	PG- Pharmaceutics Lab-01	15	77	Yes	Working	Available	SOP available
011	PG- Pharmaceutics Lab-02	15	101	Yes	Working	Available	SOP available
011A	PG- Pharmaceutics Lab Sophisticate	05	26	Yes	Working	Available	SOP available
015	UG- Pharm. Chem. Lab-01	30	92	Yes	Working	Available	SOP available

O15A	UG- Pharm. Chem. Lab-01 (Prep. Room)	05	12	Yes	Working	Available	SOP available
O17	UG- Pharm. Chem. Lab-02	30	97	Yes	Working	Available	SOP available
O17A	UG- Pharm. Chem. Lab-02 (Balance Room)	05	24	Yes	Working	Available	SOP available
O18	UG- Microbiology Lab	30	78	Yes	Working	Available	SOP available
O18A	UG- Microbiology Lab (Prep. Room)	05	12	Yes	Working	Available	SOP available
O18B	Aseptic Room	05	22	Yes	Working	Available	SOP available
O19	Machine Room	30	109	Yes	Working	Available	SOP available
102	UG-Pharmaceutics Lab 01	30	77	Yes	Working	Available	SOP available
102A	UG-Pharmaceutics Lab 01 (Prep. Room)	05	12	Yes	Working	Available	SOP available
104	UG- Pharmaceutics Lab 02	30	77	Yes	Working	Available	SOP available
104A	UG-Pharmaceutics Lab 012 (Prep. Room)	05	12	Yes	Working	Available	SOP available
107	UG- Pharm Analysis Lab	30	77	Yes	Working	Available	SOP available
107A	UG- Pharm Analysis Lab (prep. Room)	05	9	Yes	Working	Available	SOP available
109	Instrument Room	10	79	Yes	Working	Available	SOP available
119	Museum	10	28	Yes	Working	Available	SOP available
120	UG-Pharmacognosy Lab	30	103	Yes	Working	Available	SOP available
122	UG- APHE Lab	30	77	Yes	Working	Available	SOP available
123	UG-Pharmaceutics Lab - 03	30	81	Yes	Working	Available	SOP available
123A	UG-Pharmaceutics Lab - 03 (Prep. Room)	05	31	Yes	Working	Available	SOP available
203	PG- Pharmacology Lab 02	10	77	Yes	Working	Available	SOP available
203A	PG- Pharmacology Lab Sophisticated	10	53	Yes	Working	Available	SOP available

205	PG- Pharmacology Lab 01	10	77	Yes	Working	Available	SOP available
205A	PG- Pharmacology Lab 01 (Prep. Room)	05	12	Yes	Working	Available	SOP available
208	UG- APHE Lab	30	77	Yes	Working	Available	SOP available
208A	UG- APHE Lab (Prep. Room)	05	9	Yes	Working	Available	SOP available
210	UG- Pharmacology Lab -01	30	53	Yes	Working	Available	SOP available
211	Museum	05	7	Yes	Working	Available	SOP available
303	PG- Pharm. Chem. Lab-02	15	77	Yes	Working	Available	SOP available
303A	PG- Pharm Chem. Lab Sophisticated	15	53	Yes	Working	Available	SOP available
305	PG- Pharm. Chem. Lab-01	15	77	Yes	Working	Available	SOP available
305A	PG- Pharm. Chem. Lab-01 (Prep. Room)	05	12	Yes	Working	Available	SOP available
308	UG- Pharm. Chem. Lab - 03	30	77	Yes	Working	Available	SOP available
309	UG- Pharm. Chem. Lab - 03 (Prep. Room)	05	9	Yes	Working	Available	SOP available
310A	CADD Lab.	05	49	Yes	Working	Available	SOP available
313	Organic Synthesis Lab.	05	19	Yes	Working	Available	SOP available





List of Instruments are available in list of Module

Room ID: 008

Lab. Name: Pharmaceutics PG lab -01

Department: Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1.	Tablet dissolution test apparatus	Veego	Working
2.	Tablet dissolution test apparatus	Thermonic	Working
3.	Tablet dissolution test apparatus(3PC)	Scientific	Working
4.	Tablet disintegration test apparatus	local	Working
5.	Distilled water assembly double	borosile	Working
6.	Mechanical stirrer	Rimmi	Working
7.	Water bath	Perfit	Working
8.	Tray dryer	Narang scientific Pvt. ltd	Working
9.	Hot plate	Navyug	Working
10.	Friability test apparatus	Local	Working
11.	Desiccator	local	Working
12.	High precision water bath	NSW Pvt. Ltd	Working
13.	Melting point apparatus	Local	Working
14.	Vacuum pump apparatus	Local	Working
15.	Hot air oven	Local	Working
16.	Magnetic stirrer	Bench top	Working
17.	AnaDigi solution	Ultra Q	Working

Room ID: 011 & 011A Lab. Name: Pharmaceutics Research lab Department: Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Microscope -1	-	Working
2	Electronic Balance- 1	Citizen	Working
3	Water bath- 1	NSW	Working
4	Mechanical Stirrer- 7	Remi	Working
5	Digital Micrometer- 1	Mityoto	Working
6	Cyclo mixer-1	Remi	Working
7	Hardness tester-1	Pfizer	Working
8	Hardness tester-1	MOsanto	Working
9	Hot air oven-1	Popular India	Working
10	Stability chamber- 1	NSW	Working
11	Water bath shaker- 1	NSW	Working
12	pH Meter- 1	-	Working
13	Hot air oven -2	NSW143	Working
14	Magnetic stirrer-1	-	Working
15	Homogeniser-2	-	Working
16	Single punch tablet machine-1	-	Working
17	Centrifuge-1	Remi	Working
18	Digital dissolution test-1	Campbell	Working
19	Dig. Dissolution -1	Lab India	Working
20	Diffusion Cell-1	Orchid	Working
21	Hygrometer-1	-	Working
22	Lyophilizer-1	Allied frost	Working
23	Suppository mold-15	-	Working
24	Hot air oven (Small)-1	Popular	Working
25	Gel Strength App-1	-	Working
26	MDT DT Apparatus-1	-	Working
27	Spreadability test app-1	-	Working
28	Bioadhesion test app-1	-	Not working
29	Extrudability test app-1	-	Working

Room ID: 018, 018A & 018B Lab. Name: Microbiology

Department: Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Autoclave (Large)	Hinton	Working
2	Autoclave (small)	NSW INDIA	Working
3	Gel electrophoresis small	RIODE INDIA	Working
4	Paper electrophoresis	RIODE INDIA	Working
5	Digital colony counter	MAX ELECTRONICS INDIA	Working
6	Antibiotic zone reader	ANALOG MODEL	Working
7	Binocular Microscope (2)	BIOPLUS-XL	Working
8	Optical microscope(9)	DOLPHIN	Working
9	Hot air oven double door	NARANG SCIENTIFIC	Working
10	Electronic balance	FURI	Working
11	Aseptic cabinet		Working
12	Incubator	NARANG SCIENTIFIC	Working
13	B.O.D incubator	PUNJAB INDUSTRIES JAIPUR	Working
14	Laminar air flow	KLENZ AIDS	Working
15	Refrigerator	WHIRLPOOL	Working
16	Tissue culture apparatus		Working
17	Fungal incubator	MULTISPAN	Working
18	Air curtain	TECHNO	Working
19	A.C	LLOYD	Working

Lab. No.- 019

Lab. Name: Machine Room

Department: Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Automated (semi)tablet punching machine	Cadmach machinery pvt. Ltd.	Working
2	Ball mill	Grass sc crop AC	Working
3	Bottle filling machine	Singh science industries	Working
4	Bottle washing machine	D.K instruments and chemicals	Working
5	Bottle sealing machine		Working
6	Bulk density machine	M/s singh sciencce india mohali (PB)	Working
7	Capsule filling and sealing machine	M/s grass science corp. ac.	Working
8	Flask shaker	NARANG SCIENTIFIC	Working
9	Hand grinder	NARANG SCIENTIFIC	Working
10	Homogenizer		Working
11	Sieve shaker		Working
12	Single punch machines		Working
13	Small bottles and vials sealing machine		Working
14	Tablet coating machine		Working
15	Tablet counters		Working
16	Tincture pressure		Working
17	Willy mill		Working
18	Multi drive machine		Working

Room ID:102, 102A

Name- Pharmaceutics Lab

Lab - Department-Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Electric Water Bath	NARANG SCIENTIFIC LTD	Working
2	Ampoule Washing Machine	DK INSTRUMENTS AMBALA	Working
3	Ampoule Filling Machine	GRACE SCIENTIFIC AMBALA	Working
4	Red Wood Viscometer		Working
5	Homogenizer	OSWAL AMBALA CANTT	Working
6	Clarity test Apparatus	GRACE SCIENTIFIC AMBALA	Working
7	Percolator	DK INSTRUMENTS AMBALA	Working
8	Digital weighing balance	DK INSTRUMENTS AMBALA	Working
9	Magnetic Stirrer	DK INSTRUMENTS AMBALA	Working

Room ID:104, 104A Lab.

Name- Pharmaceutics Lab

Department-Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Electric Water Bath	NARANG SCIENTIFIC LTD	Working
2	Bulk Density Apparatus	SINGH SCIENTIFIC INDUS	Working
3	Disintegration Test Apparatus	GRACE SCIENTIFIC AMBALA	Working
4	Dissolution Test Apparatus	OSWAL AMBALA CANTT	Working
5	Hot Air Oven	PURI SCIENTIFIC STORE	Working
6	Friability Test Apparatus	GRACE SCIENTIFIC AMBALA	Working
7	Hot Plate	SINGH SCIENCE INDIA	Working
8	Magnetic Stirrer		Working

Room ID: 120 Lab. Name- Pharmacognosy Department- Pharmacognosy

S. NO	Instrument Name	Make/Company	Condition
1.	Centrifuge	Perfit	Working
2.	Digital Balance	Samson	Working
3.	Digital Balance	Wensar Weighing Scales Ltd.	Working
4.	Heating Mantle -21 (0.5, 1, 2 and 3 Litre)	Perfit	Working
5.	Hot air oven (Digital)	Narang	Working
6.	Hot Plate coil type	Perfit	Working
7.	Microscope -33 (Compound)	Dolphin and Perfit	Working
8.	Microscope -02 (Binocular)	Libra, Optscopes and Ambala made	Working
9.	Microscope (Trinocular)	Ambala made	Working
10.	Microscope -20 (Dissecting)	Dolphin	Working
11.	Microscope (Projection)	Ambala made	Working
12.	Muffle Furnace	Narang	Working
13.	Muffle Furnace	Ambala made	Working
14.	Moisture balance	Triode India	Working
15.	Mixer Grinder	Sujata	Working
16.	Micropipette	Microlit	Working
		Perfit	Working
		Perfit	Working
17.	Melting Point apparatus	Veegomake	Working
18.	Motic photomicroscope	Motic	Working
19.	pH meter	EI	Working
20.	Refrigerator	Samsung	Working
21.	Spinix Shaker	Spinix	Working
22.	Water bath 12 holes	NSW, Ambala	Working

Room ID:107

Lab. Name: Analysis lab

Department: Pharm. Chem.

S. NO	Instrument Name	Make/Company	Model	Condition
1	Hot Air oven	Narang scientific work limited	NSW-143	working
2	Hot Air oven	Narang scientific work limited	NSW-143	Working
3	Karl-Fischer Titrimetry	Grace scientific		Working
4	Auto Karlfisher Titrimeter			Working
5	Water Bath Incubator Shaker	Narang scientific work limited	NSW-133	working
6	Water bath	Perfit		working

Room ID: 015

Lab. Name Pharm Chem Lab

Department : Pharm Chem

S. NO	Instrument Name	Make/Company	Condition
1	Hot air oven	Popular India	Working
2	Melting point apparatus	Singhla scientific	Working
3	Water bath	Perfit India	Working
4	Oil bath	Popular traders	Working
5	Vacuum pump	Value	Working
6	Microwave oven	Godrej	Working

Room ID: 109

Lab. Name: Instrumental lab

Department: Pharm Chemistry

S. NO	Instrument Name	Make/Company	Condition
1.	Online UPS	APC	Working
2	Double Beam Spectrophotometer	SHIMADZU	Working
3	Bath Sonicator		Working
4	Brookfield Viscometer	SHIMADZU Corporation	Working
5	Electronic Balance	SHIMADZU	Working
6	HPLC-LC solution	SHIMADZU	Working
7	Double Beam Spectrophotometer	Lab India	Working
8	FT-IR-ATR	Bruker	Working
9	Digital Photocolorimeter	Electronic India	Working
10	Digital Potentiometer		Working
11	Digital Conductimeter	M.S Electronic Pvt India	Working
12	Digital Photocolorimeter		Working
13	pH meter		Working
14	Digital Photofluorometer		Working
15	Digital Turbidometer	M.S Electronic Pvt India	Working
16	Dhona Balance		Working

Room ID: 305

Lab. Name: Pharmaceutical Chemistry

Department: Pharm Chem.

S. NO	Instrument Name	Make/Company	Condition
1	Refrigerator	Godrej	Working
2	Magnetic stirrer with hot plate	Remi equipment's	Working
3	Mechanical stirrer	Popular India	Working
4	Vaccum pump	Perfit	Working
5	Oil bath	Popular traders	Working
6	Digital balance	Citizen	Working
7	Physical balance	Avon balance works	Working
8	UV Cabinate	Popular India	Working
9	Hot air oven	Popular India	Working
10	Hot air oven	Popular India	Working
11	Rota vapor	Buchi labortechik	Working

Room ID:308

Lab. Name Pharmachem lab

Department: Pharmaceutical Chemistry

S. NO	Instrument Name	Make/Company	Condition
1	Water bath	Popular India	Working
2	Fuming hood	Popular India	Working
3	Hot air oven	Popular India	Working
4	Centrifuge	Remi	Working
5	Digital balance	Furi	Working
6	Melting point	Permit India	Working
7	Digital photo colorimeter	Electronic India	Working
8	Deep freezer	Carrier	Working
9	Magnetic Stirrer	Remi Equipments	Working
10	Microprocessor flame photometer	Electronic India	Not working

Room ID: 017

Lab. Name_Pharma Chem Lab

Department: Pharmaceutical Chemistry

S. No.	Instrument Name	Make/Company	Condition
1	Hot Plate	Popular India	Working
2	Hot Air Oven	Popular India	Working
3	Water Bath	Popular India	Working
4	Distillation Assembly	Perfit India	Working
5	Digital Balance	Furi	Working
6	Heating Mantle		Working
7	Physical Balance	Citizen	Working

Room ID:- 123

Lab. Name: Pharmaceutics

Department: Pharmaceutics

S. NO	Instrument Name	Make/Company	Condition
1	Centrifuge	Grace Scientific	Working
2	Tincture press	Grace Scientific	Working
3	Capsule filling machine	Grace Scientific	Working
4	Hand grinding mill	Grace Scientific	Working
5	Clarity test apparatus	Grace Scientific	Working
6	Ball mill	Grace Scientific	Working
7	Percolator	Grace Scientific	Working
8	Analytical balance	Grace Scientific	Working
9	Ointment filling machine	Grace Scientific	Working
10	Tablet counter	NSW India	Working
11	Dissolution test apparatus	Oswal scientific	Working
12	Compound microscope	Singhea SCI. Ind Ambala	Working
13	Hot air oven	Singhea SCI. Ind Ambala	Working
14	Weighing balance	D.K. Inst. & Chem	Working
15	Bacteriological indicator	Punjab Industries Jaipur	Working

Room ID: 203A

Lab. Name: Sophisticated Lab

Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Stereotaxic Apparatus	INCO	Working
2.	Rotary Evaporator Apparatus	Heidolph	Working
3.	Tissue Homogenizer	Remi	Working
4.	Mechanical Stirrer	Hind Elec Motors	Working
5.	Centrifuge	Remi	Working
6.	Micro Centrifuge	Spinwin	Working
7.	Cooling Cetrifuge	Remi	Working
8.	Digital Tele Thermometer		Working
9.	Vortex Shaker	Spinix	Working
10.	Auto Analyzer,	MERCK	Working
11.	ELISA Reader	Bio Rad	Working
12.	Digital Analytical Weighing Balance	Sartorius	Working
13.	4- Channel Power Lab With Pressure Transducer	ADInstruments	Working
14.	Computer With UPS	Compaq	Working
15.	Ventilator (Power Lab)	INCO	Working

Room ID: 203

Lab. Names: M. Pharm Research Lab

Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Water Bath	NSW	Working
2.	Eddy's Hot Plate	Grace Scientific	Working
3.	Passive Avoidance Test Apparatus	ROLEX	Working
4.	Pole Climb Apparatus	Grace Scientif	Working
5.	Electroconvulsimeter	IMCORG	Working
6.	Digital Actophotomete	IMCORG	Working
7.	Rotarod Apparatus	Grace Scientif	Working
8.	Hot Air Oven	Elcon	Working
9.	Open Field Apparatus	Local Made	Working
10.	Porsolt Forced Swim Test Apparatus	Borosil	Working
11.	Elevated Zero maze	Local Made	Working
12.	Mirror Chamber	Local Made	Working
13.	Hole-Board Test Apparatus	Local Made	Working
14.	Inclined Plane Apparatus	Local Made	Working
15.	Bar Test Apparatus	Local Made	Working
16.	Staircase	Local Made	Working
17.	Refrigerator Double Door	Samsung	Working

Room ID: 205

Lab. Names: M. Pharm Lab

Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Weighing Balance	Citizen	Working
2.	Animal Weighing Balance	Docubel Industry	Working
3.	Student Organ Bath	Grace Scientif	Working
4.	Sherrington Rotating Drum	INCO	Working
5.	Langendorff Heart Apparatus		Working
6.	Distillation/ Deionizer Unit	Aquoion	Working
7.	Operation Table	Grace Scientific	Working
8.	Elevated Plus Maze	Local Made	Working
9.	pH Meter	Heena Instruments	Working

Room ID: 208 Lab. Names: B. Pharm HAP Lab Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Microscope	Dolphin	Working
2.	Spiro Meter	INCO	Working
3.	Digital Spectrophotometer	Electronics India	Working
4.	Weight Machine		Working
5.	Sphygmomanometer	Bioplus Pagode	Working
6.	Stethoscope	Bioplus Konica	Working
7.	Hemometer (Hemoglobinometer)	Superior	Working
8.	Hemocytometer	Marienfeld	Working
9.	Thermometer	Thermo	Working
10.	Refrigerator	Whirlpool	Working

Room ID: 210 Lab. Names: B. Pharm Pharmacology Lab Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Weighing Balance	Citizen	Working
2.	Animal Weighing Balance	Local Brand	Working
3.	Student Organ Bath Double Unit	Research Electronics	Working
4.	Sherrington Rotating Drum	INCO	Working
5.	Rotarod Apparatus	Grace Scientific	Working
6.	Analgesimeter (Radiant Heat)		Working
7.	Digital Actophotomete	IMCORP	Working
8.	Electroconvulsimeter		Working
9.	Digital Tele Thermometer	Research Electronic	Working
10.	Elevated Plus Maze	Local Made	Working
11.	Plethysmograph Apparatus		Working
12.	Computer fitted Microscope with camera	Motic	Working

Room ID: 122 Lab. Names: HAP & Pharmacology Lab Department: Pharmacology

S. No.	Instrument Name	Make/Company	Condition
1.	Microscope	Dolphin	Working
2.	Histamine Chamber	Grace Scientific	Working
3.	Student Organ Bath	Grace Scientif	Working
4.	Sherrington Rotating Drum	INCO	Working
5.	Sphygmomanometer	Bioplus Pagode	Working
6.	Stethoscope	Bioplus Konica	Working
7.	Digital Photocolorimeter	Electronics India	Working

6.4. Drug Museum (5)

Drug museums are housed within a show case which includes crude drug, OTC products, prescription drugs and cosmetic items. The museum is available in easily accessible area. The museum serves as a supplement for undergraduate students teaching and learning activities and enable the teachers to help students increase participation in curriculum-driven models. The museum displays Photos of History of Pharmacy including the fathers of different Pharmacy fields.

Details of Museum

S.NO.	Common Name	Botanical Name	Category	Main Constituent	USES
1.	Nux Vomica	<i>Strychnos nux vomica</i>	Alkaloid drug	Strychnine, Brucine	CNS stimulant, bitter stomachic & tonic
2.	Vinca	<i>Catharanthus roseus</i>	Alkaloid drug	Vincristine & Vinblastine	Anticancer
3.	Belladonna	<i>Atropa belladonna</i>	Alkaloid drug	l-hyoscyamine, Atropine	Anticholinergic & Antispasmodic
4.	Cinchona	<i>Cinchona calisaya</i>	Alkaloid drug	Quinine, Quinidine, Cinchonine & Cinchonidine	Antimalarial & bitter tonic
5.	Lobelia	<i>Lobelia nicotianefolia</i>	Alkaloid drug	Lobeline & Lobelanidine	Respiratory stimulant
6.	Rauwolfia	<i>Rauwolfia serpentina</i>	Alkaloid drug	Reserpine & Rescinnamine	Hypotensive, Tranquilliser
7.	Ipecac	<i>Cephaelis ipecacuanha</i>	Alkaloid drug	Emetine & Cephaeline	Antiamoebic, emetic & Expectorant
8.	Datura	<i>Datura metel</i>	Alkaloid drug	l-hyoscyamine, Atropine	Anticholinergic & in duodenal ulcers
9.	Stramonium (Thorn Apple)	<i>Datura stramonium</i>	Alkaloid drug	l-hyoscyamine, hyoscyne and Atropine	Anticholinergic & mydriatic
10.	Areca	<i>Areca catechu</i>	Alkaloid drug	Arecoline & Arecaidine	Respiratory stimulant

11.	Tea	<i>Thea sinensis</i>	Alkaloid drug	Caffeine & Theobromine	CNS stimulant & diuretic
12.	Ashwagandha	<i>Withania somnifera</i>	Alkaloid drug	Withanine, Somniferine & Withanolide	Sedative & Anti-rheumatic
13.	Ephedra	<i>Ephedra gerardina</i>	Alkaloid drug	Ephedrine & Pseudoephedrine	Anti-asthmatic
14.	Punarnava	<i>Boerhaavia diffusa</i>	Alkaloid drug	Punarnavine alkaloid	Diuretic & Expectorant
15.	Kurchi	<i>Holarrhena antidysenterica</i>	Alkaloid drug	Conessine & Isoconessine	Antiamoebic
16.	Colchicum	<i>Colchicum autumnale</i>	Alkaloid drug	Colchicine & Demecolcine	In treatment of Gout & induction of polyploidy
17.	Hyoscyamus	<i>Hyoscyamus niger</i>	Alkaloid drug	l-hyoscyamine, Hyoscine	Anticholinergic and Antispasmodic
18.	Shankhpushpi	<i>Canscora decussata</i>	Alkaloid drug	Triterpenes, alkaloids and xanthenes	Nervine tonic
19.	Tobacco	<i>Nicotiana tobacum</i>	Alkaloid drug	Nicotine, nornicotine and Anabasine	Insecticide & stimulant (not used medicinally)
20.	Kantkari	<i>Solanum xanthocarpum</i>	Alkaloid drug	Solanocarpine, diosgenin, solanocarpidine & chlorogenic acid	Anti-pyretic, Analgesic, in dysurea & stone in urinary bladder
21.	Cod liver oil	Fresh liver of Cod fish (Gadus morrhua)	Fixed oil (Fish oil)	Vitamin A & D, Glycerides of fatty acids	Deficiency of Vitamin A & D, emollient and in cure of Rickets
22.	Myrobalan (Harde)	<i>Terminalia chebula</i>	Tannins drug	Chebolic acid, Chebulagic acid & gallic acid	Astringent, stomachic, purgative and ingredient of Triphala churna
23.	Black catechu	<i>Acacia catechu</i>	Tannins drug	Acacatechin & Quercetin	Astringent for boils & skin eruptions
24.	Amla	<i>Emblica officinalis</i>	Tannins drug	Vitamin C, Phyllembin and tannins	Diuretic, laxative & ingredient of Triphala churna

25.	Palash	<i>Butea monosperma</i>	Tannins drug	Gallic acid, tannic acid, yellow fixed oil and glucosides	Diarrhoea, dysentery and Diabetes
26.	Pale catechu	<i>Uncaria gambir</i>	Tannins drug	Catechin & catechutannic acid	Astringent for treatment of diarrhoea
27.	Galls	<i>Quercus infectoria</i> (Oak tree)	Tannins drug	Tannic acid	Abortifacient & Contraceptive
28.	Senna	<i>Cassia angustifolia</i>	Anthraquinone glycosides	Sennosides A& B	Purgative
29.	Cascara	<i>Rhamnus purshiana</i>	Anthraquinone glycosides	Cascarosides A, B, C & D	Mild purgative
30.	Rhubarb	<i>Rheum palmatum</i>	Anthraquinone glycosides	Rhein & Aloe emodin	Purgative & bitter stomachic
31.	Aloe	<i>Aloe barbadensis</i>	Anthraquinone glycosides	Barbaloin & Aloe-emodin	Purgative
32.	Digitalis(Foxglove)	<i>Digitalis purpurea</i>	Cardiac glycosides	Purpurea glycoside A & B, Digitoxin	Cardiotonic
33.	Indian Squill	<i>Urginea indica</i>	Cardiac glycosides	Scillaren A& B	Cardiotonic
34.	Dioscorea	<i>Dioscorea deltoidea</i>	Saponin Glycosides	Diosgenin (Steroidal sapogenin)	Synthesis of medicinal steroids
35.	Shatavari	<i>Asparagus racemosus</i>	Saponin Glycosides	Shatavarin I & II	Galactagogue
36.	Ginseng	<i>Panax ginseng</i>	Saponin Glycosides	Ginsenosides & Panaxosides	Adaptogen, tonic and stimulant
37.	Chota Gokhru	<i>Tribulus terrestris</i>	Saponin Glycosides	Diosgenin, Gitogenin (Steroidal sapogenin)	Diuretic, tonic and in treatment of painful micturition
38.	Liquorice	<i>Glycyrrhiza glabra</i>	Saponin Glycosides	Glycyrrhizin (Triterpenoid saponin)	Expectorant and treatment of peptic ulcer
39.	Brahmi	<i>Bacopa moniera</i>	Saponin Glycosides	Bacosides A & B	Nervine tonic

40.	Bara gokhru	<i>Pedaliium murex</i>	Saponin Glycosides	Fatty oil, mucilage, alkaloid & resin	Diuretic, in Dysuria and gonorrhoea
41.	Senega	<i>Polygala senega</i>	Saponin Glycosides	Senegin, polygallic acid (Triterpenoid saponin)	Stimulant & expectorant
42.	Apamarg	<i>Achyranthus aspera</i>	Saponin Glycosides	Triterpenoid saponin (Oleanolic acid)	Abortifacient & Contraceptive
43.	Quillia	<i>Quillaja saponaria</i>	Saponin Glycosides	Triterpenoid saponin glycosides	Emulsifying agent and expectorant
44.	Bitter Almond	<i>Prunus amygdalus</i>	Cyanogenetic glycosides	Amygdalin	Demulcent & sedative
45.	Psoralea (Bavchi)	<i>Psoralea corylifolia</i>	Furanocouma rin glycoside	Psoralen & Corylifolin	Treatment of Leucoderma
46.	Ammi	<i>Ammi majus</i>	Furanocouma rin glycoside	Xanthotoxin	Treatment of Vitiligo
47.	Gentian	<i>Gentiana lutea</i>	Glycosidal bitters	Gentiopicroin & Amaro gentin	Tonic & bitter stomachic
48.	Quassia	<i>Picrasma excelsa</i>	Glycosidal bitters	Picrasmin & quassin	Bitter stomachic & anthelmintic
49.	Chirata	<i>Swertia chirata</i>	Glycosidal bitters	Gentiopicroin	Stomachic & anti-pyretic
50.	Kalmegh	<i>Andrographis paniculata</i>	Glycosidal bitters	Andrographolide	Bitter tonic, anthelmintic & hepato protective
51.	Gudmar	<i>Gymnema sylvestre</i>	Glycosidal bitters	Gymnemic acid	Anti-diabetic & stomachic
52.	Isabgol	<i>Plantago ovata</i>	Carbohydrate s	Pentosan, mucilage, aldobionic acid	Demulcent & laxative
53.	Tragacanth	<i>Astragalus gummifer</i>	Carbohydrate s	Tragacanthin & tragacanthic acid	Thickening agent & demulcent

54.	Bael	<i>Aegle marmelos</i>	Carbohydrates	Marmelosin & Furocoumarin	Digestive & anti-diarrhoeal
55.	Tamarind	<i>Tamarindus indica</i>	Carbohydrates	Carbohydrate, protein & vitamins (A, B ₁ , B ₂ , B ₃ & C)	Edible, stomach disorders and tonic
56.	Honey	Sugar secretion from honey comb of the bees <i>Apis mellifera</i>	Carbohydrates	Glucose, Fructose and Sucrose	Demulcent and sweetening agent
57.	Fennel	<i>Foeniculum vulgare</i>	Terpenoids (Mono)	Fenchone & anethole	Stimulant, Carminative and aromatic
58.	Cinnamon (Dalchini)	<i>Cinnamomum zeylanicum</i>	Terpenoids (Mono)	Eugenol, benzaldehyde and cuminaldehyde	Stimulant, Carminative and stomachic
59.	Rasna	<i>Alpinia officinarum</i>	Terpenoids (Mono)	Cineole, pinene, ganlangin and camphor	Aromatic, Stimulant, Carminative and in rheumatism
60.	Vidang (False black pepper)	<i>Embelia ribes</i>	Terpenoids (Mono)	Embelin, vilangin	Anthelmintic
61.	Celery	<i>Apium graveolens</i>	Terpenoids (Mono)	d-limonene, sedanoic acid and sedanolide	Stimulant, Carminative and tonic
62.	Ajowan	<i>Trachyspermum ammi</i>	Terpenoids (Mono)	volatile oil, thymol, p-cymene	Stimulant, Carminative and anthelmintic
63.	Nutmeg	<i>Myristica fragrans</i>	Terpenoids (Mono)	Myristicin & saffrole	Stimulant, Carminative, aromatic and flavour
64.	Jatamansi	<i>Nardostachys jatamansi</i>	Terpenoids (Mono)	Jatamansone & Nardostachone	Sedative, diuretic and Stomachic
65.	Black Pepper	<i>Piper nigrum</i>	Terpenoids (Mono)	Piperene & Piperidine	Stimulant, Carminative and condiment

66.	Nagarmotha	<i>Cyperus rotundus</i>	Terpenoids (Mono)	Volatile oil (Cyperine)	Analgesic, anti-inflammatory & hypoglycaemic
67.	Kali jiri	<i>Centratherum anthelminticum</i>	Terpenoids (Mono)	Volatile oil & Phenolic compounds	Anthelmintic, stomachic and tonic
68.	Kapur Kachari	<i>Hedychium spicatum</i>	Terpenoids (Mono)	Cineole limonene, ethyl cinnamate and Cinnamic aldehyde	Stimulant, Carminative, stomachic and tonic
69.	Clove	<i>Eugenia caryophyllum</i>	Terpenoids (Sesqui)	Eugenol, Eugenin	Stimulant, Carminative, dental analgesic and aromatic
70.	Acorus/ Bach	<i>Acorus calamus</i>	Terpenoids (Sesqui)	Asaraldehyde, Asarone and eugenol	Bitter-Stimulant, Carminative and Vermifuge
71.	Valerian	<i>Valeriana walichii</i>	Terpenoids (Sesqui)	Chatinine, valerine, borneol formate & valranic acid	Antispasmodic, Stimulant, Carminative and tonic
72.	Saussurea	<i>Saussurea lappa</i>	Terpenoids (Sesqui)	Resinoids, inulin & essential oil	Stimulant, Carminative, antiasthmatic and antiseptic
73.	Sandal wood	<i>Santalum album</i>	Terpenoids (Sesqui)	Volatile oil (Sesquiterpene alcohols & aldehydes)	Treatment of Dysurea and in tuberculosis
74.	Giloe(Guduchi)	<i>Tinospora cordifolia</i>	Terpenoids (Di)	Diterpene, polyphenol & polysaccharides	Anti-pyretic, anti-rheumatic, in cure of hay fever, gout & hepatoprotective
75.	Saffron	<i>Crocus sativus</i>	Carotenoids	Crocin, crocetin & Picrocrocin	Flavour, Antispasmodic & Stimulant
76.	Ginger	<i>Zingiber officinale</i>	Resin & Resin combinations	volatile oil, Zingiberene, gingerols & resin	Aromatic, Carminative and flavouring agent

77.	Asafoetida	<i>Ferula foetida</i>	Resin & Resin combinations	Resin, gum & volatile oil	Stimulant, Carminative, antifatulent and flavour
78.	Jalap	<i>Ipomoea purga</i>	Resin & Resin combinations	Resin, volatile oil & Jalapin	Powerful cathartic
79.	Benzoin	<i>Styrax benzoin</i>	Resin & Resin combinations	Benzoic and Cinnamic acid & esters	Expectorant, Carminative and Antiseptic
80.	Myrrh	<i>Commiphora molmol</i>	Resin & Resin combinations	Volatile oil, gum, resin and Commiphoric acids	Stimulant & antiseptic
81.	Guggul	<i>Commiphora weightii</i>	Resin & Resin combinations	Guggulsterones Z & E	Anti-inflammatory & hypolipidemic
82.	Turmeric (Haridra)	<i>Curcuma longa</i>	Resin & Resin combinations	Volatile oil & Curcuminoids	Anti-inflammatory, condiment & spice
83.	Male fern	<i>Dryopteris filix-mas</i>	Resin & Resin combinations	Oleo-resin, phloroglucinol, filicic acid & filicinic acid	Anthelmintic
84.	Podophyllum	<i>Podophyllum hexandrum</i>	Resin & Resin combinations	Resin podophyllin & peltatins	Purgative, in venereal warts & anticancer
85.	Tolu balsam	<i>Myroxylon balsumum</i>	Resin & Resin combinations	Cinnamic acid, Benzoic acid & esters	Expectorant, Flavouring agent and Antiseptic
86.	Tar	<i>Pinus sylvestris</i>	Resin & Resin combinations	Hydrocarbons, terpenoids and resinous substances	Expectorant and antipruritic

87.	Colophony	Residue left after distillation of Turpentine oil, obtained from crude oleo-resin of various <i>Pinus species</i>	Resin & Resin combinations	Resin acids	Diuretic & stimulant
88.	Gelatin	Protein extracted by partial hydrolysis of animal collagenous tissues like skins, tendons & ligaments	Animal Protein	Lysine amino acid	Hard and flexible capsule shells
89.	Shilajit	Herbo-mineral drug ejected out of fissures in iron rich rocks, during hot weather	Herbo-mineral drug	Albuminoids, fatty acids & trace elements	Tonic, stimulant & aphrodisiac
90.	Silk	Silk worm cocoons of <i>Bombyx mori</i>	Fibers	Fibroin protein	Sutures & Ligatures
91.	Nylon (Polyamide)	Synthetic fibers	Synthetic fibers	Polymer of adipic acid and hexamethylene diamine	Filter cloths, non-absorbable Sutures & sieves
92.	Wool	Flees of sheep <i>Ovis aries</i>	Animal fiber	Keratin protein	Manufacture of surgical dressings
93.	Cotton	Grows in protective capsule around the seeds of cotton plants of genus <i>Gossypium</i> .	Plant fiber	80-90% cellulose, 6-8% water	In textile industry, personal care products and Hygiene products
94.	Polyester	Synthetic fiber	Synthetic fiber	Polymer of ester functional groups (Polyethylene tetrathalate PET)	Cushioning and insulating material



6.5. Medicinal Plant Garden (5)

AYURVAN- The Medicinal Plant Garden

Plants have been used from ancient time worldwide to attempt cures for diseases. The branch of medical science dealing with the herbal drugs referred to as Pharmacognosy. Medicinal plants play a vital role in the maintenance of human health throughout the world.

The medicinal and aromatic plants garden is a resource for pharmacognosist, herbalists, medics and botanists of all levels. Hence there was an approach to develop a medicinal and aromatic plant garden in the college premises.

Ayurvan - Medicinal and Aromatic plant Garden. This is located at back side of the college and extended over an area of 45 X 70 ft. This garden has medicinal and aromatic plants species grown for teaching of B.Pharm., M.Pharm students and Research scholars about the plant features.

Medicinal and Aromatic plants gardens mission is to seek verify and apply knowledge related to identification of medicinal and aromatic plants and to disseminate this knowledge through student's education. The garden functions as an educational display of medicinal and aromatic plants. The interactions between plants and people are a fascinating and rich area of study. The focus is on the knowledge of practical performed in Pharmacognosy syllabi, the role of plants in indigenous societies, identification techniques, and participatory observational skills.

Objectives

The objectives of setting up the AYURVAN herbal garden are to create awareness about the value of indigenous medicinal plants and popularizing their therapeutic use. There are about 75 varieties of medicinal and aromatic plants in the garden. The garden is expected to be of interest to the students and serve as conservation, demonstration and propagation center for some indigenous and endangered species of medicinal plants. The medicinal plant garden have been created for the propagation and preservation of important medicinal flora .The garden has been making significant practical contribution to manifold the effect of curriculum based lectures in Pharmacognosy. It has been instrumental in carrying out research on active plant ingredients.

Ongoing and Future Prospects

- To provide a well-rounded understanding of plants. Increasing the specimens of medicinal plants.
- Identification of the plant material by morphology and microscopy.
- Identification of the type of chemical constituents present.
- Estimation of active constituents.
- Use of the sample plants to develop tissue culture techniques.

S.No.	Common Name	Botanical Name	Family	Category	Main Constituent	Uses
1.1	Babugosha	<i>Pyrus communis</i>	Rosaceae	Edible Fruit plant	Mallic acid, Fructose, Triterpenoids and Phenolic compositions.	Antioxidant Anti-inflammatory Anti-diabetic Antibacterial Anticancer Antihypertensive
1.2	Chikoo	<i>Manilkara zapota</i>	Sapetaceae	Edible fruit plant	Flavonoids, Tannins, Triterpenes, and Saponins.	Anti-hyperglycemic Hypo-cholesterolemic Antioxidant
1.3	Amrood	<i>Psidium guajava</i>	Myrtaceae	Edible fruit plant	Saponin, Oleanolic acid, Arabopyranoside, Guaijavarin, Quercetin and Flavonoids.	Antioxidant Anti-inflammatory Anti-hypertension Anti-viral Laxative
1.4	Amla	<i>Phyllanthus emblica</i>	Euphorbiaceae	Edible fruit plant	Ellagic acid, Chebulinic acid, Gallic acid, Chebulagic acid, Apeigenin, Quercetin and leutolin.	Antioxidant Cardio-tonic Immunostimulant Anticancer Eyes disorders
1.5	Belpatra	<i>Aegle marmelos</i>	Rutaceae	Edible fruit plant	Coumarin, Xanthotoxol, Imperatorin, Aegeline and Marmeline.	Anti-diabetic Anti-cancerous Anti-fertility Immunogenic
1.6	Ashoka	<i>Saraca asoca</i>	Leguminosae	Diuretic	Anthocyanin pigments, Kaempferol, Quercetin, Gallic acid, and β -sitosterol.	Sedative Uterine tonic Cardio tonic Diuretic
1.7	Chandani	<i>Tabernaemontana divaricata</i>	Apocynaceae	Ornamental plant	Alkaloids, terpenoids, steroids, flavonoids, phenolic	Antioxidant Anti-analgesic Gastroprotective effect

					acids, saponins, tannins, proteins, carbohydrates and several plant enzymes.	Antidiabetic
1.8	Litchi	<i>Litchi chinensis</i>	Sapindaceae	Edible fruit plant	The pulp is a source of dietary fiber, vitamin C, iron, magnesium, copper and potassium.	Anticancer Antioxidant Antimicrobial Anti-inflammatory
1.9	Mehndi	<i>Lawsonia chinensis</i>	Lythraceae	Natural Colorant	It contains phenols, anthroquinones and glycosides. Lawsons is the active constituent of the Henna leaves. The other chemical constituents of Henna are gallic acid, white resin, sugars, tannins and xanthones.	Antibacterial Anticancer Hair dyes Hair care products Colorant
1.10	Garlic	<i>Allium sativum</i>	Liliaceae	Bulbous flowering plant	Allicin compound present in the bulb.	Hypolipidemic Carminative Aphrodisiac Expectorant Febrifuge Atherosclerosis Hypertension.
1.11	Red Kaner	<i>Nerium oleander</i>	Apocynaceae	Ornamental plant	Roots bark and seeds consists of neriodorin, nerioderin, karabin, odorin and other cardio active glycosides.	Heart Problems Asthma Anticancer Menstrual Pain

2.1	Lily	<i>Lilium candidum</i>	Liliaceae	Flowering Plant	Steroidal saponins, polysaccharides, alkaloids and flavonoids.	Heart failure Urinary tract infections Kidney stones Epilepsy
2.2	Lemon grass	<i>Cymbopogon fl exuosus</i>	Poaceae	Perennial grass	Myrcene, limonene, citral, geraniol, citronellol, geranyl acetate, neral, and nerol.	Relieve pain and swelling Improve levels of sugar and cholesterol in the blood Stimulate the uterus and menstrual flow Antioxidant
2.3	Amrood	<i>Psidium guajava</i>	Myrtaceae	Edible fruit plant	Saponin, Oleanolic acid, Arabopyranoside, Guajavarin, Quercetin and Flavonoids.	Antioxidant Anti-inflammatory Anti-hypertension Anti-viral Laxative
2.4	Peepal	<i>Ficus religiosa</i>	Moraceae	Woody tree	Tannins, Saponins, Favonoids, Steroids, Terpenoids and Cardiac glycosides	Antimicrobial Anti-diabetic Anticonvulsant Wound healing Anti-inflammatory Analgesic
2.5	Mango	<i>Mangifera indica</i>	Anacardiaceae	Edible fruit plant	Ripened mango fruit is a major source of sugars (glucose, fructose, and sucrose) and other carbohydrates such as starch and pectin.	Antiseptic Astringent Laxative Diuretic Diarrhea Anaemia Hypertension Haemorrhage Piles.

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					nic acid, ascorbic acid etc.	
3.4	Kinnow	<i>Citrus nobilis</i> X <i>Citrus deliciosa</i>	Rutaceae	Edible fruit plant	It is nutritionally rich in vitamin C, vitamin B, β -carotene, calcium, phosphorous and other health benefiting compounds.	High in Vitamin C Healthy immune system Prevents skin damage Lowers cholesterol Lowers the risk of cancer
3.5	Neem	<i>Azadirachta indica</i>	Meliaceae	Insecticidal	Nimbin, nimbanene, 6-desacetylnimbinene, nimbandiol, nimbolide, ascorbic acid and azadirectin.	Antifungal Leprosy Eye disorders Bloody nose Intestinal worms Stomach upset Loss of appetite Skin ulcers.
3.6	Dhak	<i>Butea monosperma</i>	Fabaceae	Flowering tree	Glucoside, Kino-oil containing oleic and linoleic acid, palmitic and lignoceric acid.	Antimicrobial Antifertility Antihelmintic Antidiarrhoeal Wound healing Hepatoprotective, Antihypertensive, Antitumor,
3.7	Narangi	<i>Citrus reticulata</i>	Rutaceae	Edible fruit plant	Cis-ocimene , (E)-oscimene l-limonene (E)-tagetone β -caryophyllene dl-limonene	Antioxidant Antifungal Antiinflammatory Our brain needs folic acid for proper development, and this is found in oranges
3.8	Chitrak	<i>Plumbago indica</i>	Plumbaginaceae	Herbaceous plant	Plumbagin, Zeylanone, Plumbagin,	Bitter tonic Laxative Expectorant

					Chitanone Sitosterol and Stigmasterol	Abortifacient Good appetizer Rheumatism
3.9	Naagdonna	<i>Artemisia nilagrica</i>	Asteraceae	Flowering plant	Tannins, alkaloids, flavonoids, terpenoids, amino acids, glycosides, and quinines, etc.	Treatment of bleeding piles For abdominal pain, gas Antifungal agent Used on wounds Boils and joint inflammation
3.10	Nirgundi	<i>Vitex negundo</i>	Verbeneceae	Aromatic shrub	Flavonoids, volatile oil, triterpenes, diterpenes, sesquiterpenes, lignan, flavones, glycosides, iridoid glycosides and stilbene derivative.	Anti-inflammatory Anti-arthritic Antioxidant Antitumor activity Nephroprotective activity Anti-HIV activity
3.11	Araucaria	<i>Araucaria columnaris</i>	Araucariaceae	Ornamental plant	Polyphenols (Catechin, Epicatechin, Quercetin, Apigenin) Lignans and Steroids and diterpenes.	Anti-inflammatory Antiulcer Antiviral Neuroprotective
4.1	Arjuna	<i>Terminalia arjuna</i>	Combretaceae	Cardioprotective plant	Arjungenin, arjunic acid, arjunone, arjunolone, arjunolic acid, triterpenoid saponins, zinc, copper calcium and magnesium, gallic acid, phytosterols, flavonoids, proanthocyanidins	Cardio-tonic Atherosclerosis Blood diseases Anemia Diuretic Viral disease

					and tannins,	
4.2	Nashpati	<i>Pyrus communis</i>	Rosaceae	Edible fruit plant	Sugar, organic acid, triterpenoids and phenolic compounds. Mallic acid is major organic acid.	Antioxidant Anti- inflammatory Analgesic Astringent Prevents cancer Combats cardiovascular Diseases Reduced risk of colitis
4.3	Cotton wood	<i>Populus sect. aigeiros</i>	Salicaceae	Woody plant	Lignin and cell-wall polysaccharides. The polysaccharides consist of cellulose, 4-O-methylglucuronoxylan and glucomannan.	Anti-inflammatory Antipyretic Analgesic Laxative
4.4	Harad	<i>Terminalia chebula</i>	Combretaceae	“King of medicine” in Ayurveda	<i>Terminalia chebula</i> is rich in tannin. The chief constituents of tannin are chebulic acid, chebulagic acid, corilagin gallic acid, chebulic acid, punicalagin, chebulanin, corilagin, neochebulinic acid and ellagic acid	Astringent Purgative Immuno-modulatory Antioxidant In abdominal problems
4.5	Biodiesel Plant	<i>Jatropha gossypifolia</i>	Euphorbiaceae	Biofuel Plant	Gallic acid, ellagic acid, quercetin, coumaric acid, benzoic acid and salicylic acid.	Anti-inflammatory Antimicrobial Cytotoxic Anti-tumor

4.6	Kussum	<i>Carthamus tinctorius</i>	Astraceae	Ornamental plant	Linoleic acid, Palmitic acid, Arachidic acid and Hydrocyanic acid.	Skin diseases like scabies Itching Acne Skin inflammations Ulcers
4.7	Jamun	<i>Syzygium cumini</i>	Myrtaceae	Edible Fruit plant	Anthocyanins, Glucoside, Ellagic acid, Isoquercetin, Kaemferol and myrecetin	Anti- diabetic Anti-inflammatory Diarrhea Diuretic Antioxidant
5.1	Anar	<i>Punica granatum</i>	Punicaceae	Edible Fruit plant	Anthocyanins, glucose, organic acid, ascorbic acid, gallic acid, caffeic acid, catechin, quercetin, rutin and minerals	Helps to Reduce Blood Pressure Fights Infections Improves Memory Cardiovascular Benefits Cancer Protective
5.2	Stevia	<i>Stevia rebaudiana</i>	Asteraceae	Natural Sweetener	Diterpene glucosides like stevioside , rebaudioside . Flavonoids: quercetin , apigenin, austroinulin .	It helps in: Lowering blood pressure Treating diabetes Heartburn High uric acid levels in the blood For weight loss To stimulate the heart rate and for water retention
5.3	Barh	<i>Ficus benghalensis</i>	Moraceae	Woody Plant	Phenols, tannins, steroids, alkaloids and flavonoids, β -sitosteryl-D-glucoside, vitamin K	Hepato-protective Cardiovascular Anti-cancer Analgesic Anti-inflammatory

5.4	Papaya	<i>Carica papaya</i>	Caricaceae	Edible Fruit plant	Vitamins A, B and C, carbohydrates, proteins, alkaloids (carpaine and pseudocarpaine), proteolytic enzymes (papain and quimiopapain), and benzyl isothiocyanate	Gastrointestinal tract disorders Intestinal parasite infections Sedative Diuretic
5.5	Morpankhi	<i>Platycladus orientalis</i>	Cupressaceae	Ornamental plant	α -pinene, α -cedrol, Δ -3-carene, limonene, β -caryophyllene and myrcene.	Psoriasis Uterine carcinomas Amenorrhea Rheumatism
5.6	Nimbu	<i>Citrus limon</i>	Rutaceae	Citrus fruit	Limonene β -pinene, γ -terpinene, sabinene, myrcene, geranial (E-citral, neral (Z-citral, linalool	Treatment of high blood pressure Common cold Irregular menstruation For coughs and cold
5.7	Motia ka phool	<i>Jasminum grandiflorum</i>	Oleaceae	Flowering plant	Benzyl acetate, Benzyl benzoate, phytol, linalool, isophytol, geranyl linalool, methyl linoleate and eugenol	Treatment of wounds, skin diseases Ulcers of the oral cavity gingivitis Headache Eye diseases
5.8	Raat ki Rani	<i>Cestrum nocturnum</i>	Solanaceae	Flowering plant	β -phellandrene, linalool, α -phellandrene and (E)- β -ocimene	Antioxidant Anti-hyperlipidemic Hepatoprotective Analgesic Antifungal Anti-convulsant
5.9	Duranta	<i>Duranta repens</i>	Verbenaceae	Flowering shrub	Tannins, glycosides alkaloids, coumarins, saponins, flavonoids triterpenoids and sterols	Antimicrobial Antioxidant Insecticide properties

5.10	Champa	<i>Michellia champaca</i>	Magnoliaceae	Flowering plant	Sesquiterpene lactones, alkaloids, liridenine, terpenoids, steroids, and polyphenols such as rutin, quercetin and gallic acid.	Purgative Expectorant Cardiotonic Carminative Diuretic Antipyretic Astringent
6.1	Mausami	<i>Citrus sinensis</i>	Rutaceae	Citrus fruit Plant	Limonene, myrcene, linalool, α -pinene, β -pinene and α -terpinolene	Constipation Diarrhea Bronchitis Tuberculosis Cough & cold Menstrual disorder Hypertension Anxiety and stress
6.2	Aak	<i>Calotropis procera</i>	Asclepiadaceae	Medicinal plant	Cardenolides, steroids, tannins, glycosides, phenols, terpenoids, sugars, flavonoids, alkaloids and saponins.	Antipyretic Anticancer Immunological Antidiabetic Cardiovascular Hypolipidemic Gastroprotective Hepatic protective
6.3	Ashwagandha	<i>Withania somnifera</i>	Solanaceae	Medicinal Plant	Alkaloids (isopellertierine, anferine), steroidal lactones (withanolides, withaferins) and withanoloides. It is also rich in iron.	Asthma Anti-inflammatory Anti-stress Anticancer Antioxidant Anti-aging Cardioprotective Immunomodulator
6.4	Alstonia	<i>Alstonia scholaris</i>	Apocyanaceae	Evergreen Shrub	Quinic acid	Ailments such as: Asthma Malaria Fever Dysentery

						Epilepsy Skin diseases Snakebite
6.5	Angoor	<i>Vitis vinifera</i>	Vitaceae	Edible fruit shrub	Organic acids, phenolics, flavonols, tannins, procyanidins, anthocyanins, lipids, carotenoids and terpenoids.	Astringent Anti-inflammatory Antioxidant Antibacterial Antifungal
6.6	Sohanjana	<i>Moringa oleifera</i>	Moringaceae	Wild edible plant	Alkaloids, cardiac glycosides, flavonoids, phenolics, phytosterols, saponins, tannins, coumarins, terpenoids, carbohydrates, proteins, lipids and vitamins.	Ailments such as: Ulcer Wound healing Inflammation Heart problem Cancer Stroke Obesity Anaemia Liver damage
7.1	Gudhal	<i>Hibiscus rosa sinensis</i>	Malvaceae	Flowering plant	Tannins, anthraquinones, quinines, phenols, flavanoides, alkaloids, terpenoids, saponins, cardiac glycosides, protein, free amino acids, carbohydrates, reducing sugars, mucilage, essential oils and steroids	Antioxidant Hair tonic Diuretic Anti-inflammatory Antihypertensive Antifertility Hypoglycemic
7.2	Arjuna	<i>Terminalia arjuna</i>	Combretaceae	Cardioprotective	Arjungenin, arjunic acid, arjunone, arjunolone, arjunolic acid, triterpenoid saponins, zinc,	Cardio-tonic Atherosclerosis Blood diseases Anemia Diuretic

					copper calcium and magnesium, gallic acid, phytosterols, flavonoids, proanthocyanidins and tannins,	Viral disease
7.3	Sukhchain	<i>Pongamia pinnata/Milletti a</i>	Fabaceae	Woody plant	Beta-sitosteryl acetate and galactoside, stigma sterol, its galactoside and sucrose	Treatment of: Tumors Piles Skin diseases Ulcers Vaginal and skin diseases
7.4	Kadi patta	<i>Murraya koenigii</i>	Rutaceae	Spices herb	Linalool, elemol, geranyl acetate , myrcene , allo-ocimene , α -terpinene , and (E)- β -ocimene as the main compounds.	Antibacterial Antioxidant Antidepressant Anthelmintic Analgesic Anticarcinogenic Hypoglycemic Hypolipidemic Antihypertensive Hair tonic
8.1	Jasmine	<i>Jasminum officinale</i>	Oleaceae	Aromatic plant	Benzyl acetate, linalool, benzyl alcohol and jasmone	Liver disease (hepatitis) Abdominal pain due to severe diarrhea (dysentery) Prevent stroke Sedative Aphrodisiac Anitcancer
8.2	Pudina	<i>Mentha piperata</i>	Labiatae	Aromatic plant	Menthol is the major constituent followed by menthone , menthyl acetate,	Stimulant Stomachic Carminative Dyspepsia

					cineole (eucalyptol), menthofuran, isomenthone, neomenthol and limonene whereas β -caryophyllene is the main sesquiterpene	For cramp in the abdomen Cholera and diarrhoea
8.3	Tulsi	<i>Ocimum sanctum</i>	Lamiaceae	Aromatic plant	Oleanolic acid, Ursolic acid, Rosmarinic acid, Eugenol, Carvacrol, Linalool, and β -caryophyllene,	Cure fever Treat skin problems like acne, blackheads and premature ageing. Insect bites. Heart disease Respiratory problems.
8.4	Vinca	<i>Catharanthus roseus</i>	Apocynaceae	Flowering plant	Alkaloids Vinblastine and Vincristine	Vinblastin is an anti-tumour alkaloid used in the treatment of Hodgkin's disease. Vincristine is a cytotoxic compound and used to treat leukaemia in children. Antidiabetic Wound healer Hypertension
8.5	Ajwain	<i>Trachyspermum ammi</i>	Umbelliferae	Carminative	Thymol, carvacrol, p-cymene, γ -terpinene, α -, and β -pinenes and dipentene.	Antiseptic Aromatic Carminative Disinfectant soaps Insecticide.
8.6	Clove	<i>Eugenia caryophyllus</i>	Myrtaceae	Carminative	Eugenol, β -caryophyllene, triterpenoids, gallic acid and	Dental analgesic Antimicrobial Aromatic Anti-inflammatory

					sesquiterpenes.	Anasethetic
9.1	Amrood	<i>Psidium guajava</i>	Myrtaceae	Edible fruit plant	Saponin, Oleanolic acid, Arabopyranoside, Guaijavarin, Quercetin and Flavonoids.	Antioxidant Anti-inflammatory Anti-hypertension Anti-viral Laxative
9.2	Amla	<i>Phyllanthus emblica</i>	Euphorbiaceae	Edible fruit plant	Ellagic acid, Chebulinic acid, Gallic acid, Chebulagic acid, Apeigenin, Quercetin and leutolin.	Antioxidant Cardio-tonic Immunostimulant Anticancer Eyes disorders
9.3	Din ka Raja	<i>Cestrum diurnum</i>	Solanaceae	Ornamental plant	Phenylethyl alcohol, trans-Z-bisabolene epoxide, Trisetum flavescens and Solanum malacoxylon.	Cytotoxic Thrombolytic Source of Vitamin D3 Cardiac Disorders Anti-inflammatory Antioxidant
9.4	Kinnow	<i>Citrus nobilis X Citrus deliciosa</i>	Rutaceae	Citrus fruit plant	It is nutritionally rich in vitamin C, vitamin B, β -carotene, calcium, phosphorous and other health benefiting compounds.	High in Vitamin C Healthy immune system Prevents skin damage Lowers cholesterol Lowers the risk of cancer
9.5	Dalchini	<i>Cinnamomum zeylenicum</i>	Lauraceae	Carminative and Aromatic	Bark contains cinnamaldehyde, cinnamate, cinnamic acid, and numerous essential oils.	Antioxidant Anti-inflammatory Cardioprotective Anticancer Antidiabetic improve sensitivity to the hormone insulin Fight infections

9.6	Elachi	<i>Elettaria cardamomum</i>	Zingiberaceae	Carminative and Aromatic	1,8-cineole, α -terpinyl acetate, sabinene, and β -linalool.	Heartburn Intestinal spasms Irritable bowel syndrome (IBS) Intestinal gas Constipation Liver and loss of appetite
10.1	Vasaka	<i>Adhatoda vasica</i>	Acanthaceae	Antitussive and flowering plant	Alkaloids (vasicine), tannins, flavinoids, terpenes, sugar and glucosides.	Treat cough Asthma Expectorant. Bronchodilator
10.2	Lily	<i>Lilium candidum</i>	Liliaceae	Flowering Plant	Steroidal saponins, polysaccharides, alkaloids and flavonoids.	Heart failure Urinary tract infections Kidney stones Epilepsy
11.1	Rauwolfia	<i>Rauwolfia serpentina</i>	Apocynaceae	Evergreen woody tree	Ajmaline, ajmalicine, reserpine, and serpentine	Antihypertensive Diuretic Schizophrenia Anxiety
11.2	Citronella	<i>Cymbopogon nardus</i>	Graminae	Aromatic plant	Citronellal, geraniol, geranyl acetate, citronellol, limonene, and methyl isoeugenol.	Diuretic Anthelmintic Antioxidant Anti-inflammatory



6.6. Non Teaching Support (20)

Name of the Teaching Staff	Designation	Date of Joining	Qualification		Other Technical Skills Gained	Responsibility
			At Joining	Now		
Mr. Sukhvinder Singh	Superintendent	28/07/2004	M. Com.,	MICST	Administration, Tally Software	Office, Others
Mr. Gurinder Singh	Accountant	08/10/2008	B. Com.	MICST	Tally Software	Accountancy
Mr. Supinder Singh	Clerk	03/08/2005	Diploma	BCA	Tally Software	Examination , others
Ms. Randeep Kaur	Clerk	19/06/2016	MCA		Tally Software Fee Software	Fee related
Mr. Kulwinder Singh	Astt. C.A.P Cell	02/03/2022	BCA		Admission Portal	Admission
Mrs. Monica Banger	Librarian	21/05/2012	M. Lib.		Library Software	Library
Mrs. Achhra Kapoor	Asstt. Library	01/06/2010	M. A. (Hindi)	D.Lib.	Library Software	Library
Mr. Bikram Singh	Library Attd.	01/11/2006	10+2		Library Software	Library
Mr. Labh Singh	Store Keeper	01/02/1994	M. A.	Computer Course	MS-Office	Store
Ms. Dawinder Kaur	Asstt. Store Keeper	01/08/2005	B. A. II	Computer Course	MS-Office	Store
Mr. Tanjot Singh	Lab. Technician	15/04/2021	D. Pharm.		MS-Office Instrument Handling and their working	Lab
Mr. Dalsher Singh	Sr. Lab. Attendant	02/10/1993	Matriculation		Record Keeping Instrument Handling and their working	Lab
Mr. Harwinder Singh	Lab. Attendant	03/05/1994	10+2	DMLT	Record Keeping Instrument Handling and their working	Lab

Mr. Amrik Singh	Lab. Attendant	10/02/2003	10+2		Record Keeping Instrument Handling and their working	Lab
Mr. Tajender Singh	Lab. Attendant	01/08/2005	B. A.	Computer Course	Record Keeping Instrument Handling and their working	Lab
Mr. Harmeet Singh	Lab. Attendant	05/05/2014	Matriculation		Record Keeping Instrument Handling and their working	Lab
Ms. Hardeep Kaur	Lab. Attd. Computer	21/08/2017	Matriculation	Computer Hardware	Computer Handling	Lab
Mr. Pardeep Singh	Lab. Attendant	08/03/2022	+2, ITI-Computer	Computer Course	Record Keeping Instrument Handling and their working	Lab
Mr. Jaspal Singh	Lab. Boy	01/08/2008	Matriculation		Instrument Handling and maintenance	Lab
Mr. Bahadur Singh	Lab. Boy	02/03/2009	Middle		Instrument Handling and maintenance	Lab
Mr. Durga Bahadur	Lab. Boy	07/01/2011	Middle		Animal Handling and Care taker of Animal House	Animal House
Mr. Megh Nath	Driver	19/07/2002	Primary			Driver
Mr. Vinod Kumar	Peon	25/10/1994	Matriculation		House Keeping Ethics	Hospitality
Mr. Darshan Singh	Gardener	18/06/1998	Primary			Gardener
Mr. Harbans Singh	Gardener	11/06/2008	Under matric			Gardener
Mr. Dalip Singh	Gate Keeper	01/08/2016	B.A. II			Security
Mr. Harbans Singh	Gate Keeper	11/11/2006	Graduate			Security
Mr. Avtar Singh	Night Chowkidar	09/01/2008	Primary			Security
Mr. Didar	Night Chowkidar	26/07/2010	Matric			Security

Singh						
Ms. Manjit Kaur	Sweeper	01/09/2002	Primary		House Keeping Ethics	Cleaning
Mr. Bahadur Singh	Sweeper	01/06/2008	10+2	BA	House Keeping Ethics	Cleaning
Mr. Sukhvinder Singh	Sweeper	01/08/2009	Middle		House Keeping Ethics	Cleaning
Mr. Ramesh Masih	Sweeper	12/07/2013	Matric		House Keeping Ethics	Cleaning
Mr. Jaswinder Singh	Sweeper	01/06/2016	Matric		House Keeping Ethics	Cleaning
Ms. Baljeet Kaur	Sweeper	22/08/2019	Matric		House Keeping Ethics	Cleaning
Mr. Gurdeep Singh	Sweeper	19/04/2021	Matric		House Keeping Ethics	Cleaning
Mr. Swarn Singh	Electrician	01/05/2007	Middle			Electricity
Ms. Nirmala devi	Astt.Hostel Warden Girls	11/12/2014	Middle			Girls Hostel
Ms. Sapna Kumari	Animal House Attd.	26/05/2015	Primary		Animal Handling and Care taker of Animal House	Animal House

6.6.1. Availability of adequate and qualified technical supporting staff for program specific laboratories (10)

Our institute has adequate availability of physical infrastructure in accordance with AICTE/PCI/IKGPTU norms and has appointed qualified technician, attendants, lab boy's, peons, sweepers, gardeners, plumber electrician and caretaker etc. for the maintenance of amenities. Non-teaching and technical staff play a vital role in ensuring smooth running of all laboratories. They are assigned the task of assisting teachers and students while performing experiments. The technician and non-teaching staff to student ration is maintained at 1:30. Laboratories are maintained by the respective department staff-in-charge and attendants, and regularly supervised by the respective HoD and Director. Minor repairs are attended immediately after pointed out by lab staff and teacher in-charge. Staff members of each department effectively work as a team and monitors utilization of the laboratories by students. SOP for equipment are displayed for proper use of equipment's. Log books are maintained for effective utilization of instruments and equipments.

At the end of each semester stock checking of glass wares and chemicals are done for the working conditions of the equipment's. Any breakage and repair is required, which will be reported to maintenance committee through HoD and the faculty in-charge so the suitable measures are taken. Detail of breakage by students in laboratories are entered in the breakage register.

Research laboratories with sophisticated equipment's are available for the benefit of the research scholars. They are maintained by a faculty-in-charge who reports directly to the director. Entry to the laboratories and utilization of equipment's is monitored by maintaining log books.

6.6.2. Incentives, skill upgrade, and professional advancement (10)

The institution offers a chance to upgrade their technical knowledge and skills for professional development. The institute provides a chance for non-teaching staff to attend workshop, short term trainings and conferences. There is maternity leave provision for ladies staff. A staff who wishes to pursue higher studies is allowed to avail study leave. Institution also provides annual loan (Upto two salaries) for the non-teaching staff without any interest for the purpose of house loan, marriage loan, education loan and wheat loan.

Year	Skill Development Program/Work Shop/Training
2018	Laboratory Animal Handling
2019	Handling of Machines and Equipment's
	Fire and Safety Training Program
2020	Handling of Computers: Basics in MS-Word and Excel Documents
	Documentation of Glassware's, Machines, Equipment's etc
2021	Measurement of BP and its significance and Blood Glucose Testing
	Housekeeping Management
	Peons Training etc





Self-Assessment for Criterion 06

S. No.	Assessment Parameters	Marks	
		Prescribed	Institute
6	Facilities	120	119.25
6.1	Availability of adequate, well-equipped classrooms to meet the curriculum requirements	20	20
6.2	Faculty rooms	10	10
6.3	Laboratories including preparation room (wherever applicable), instrument/machine room and computer labs along with equipment and relevant facilities	60	60
6.4	Drug Museum	05	05
6.5	Medicinal Plant Garden	05	05
6.6	Non Teaching Support	20	19.25
6.6.1	Availability of adequate and qualified technical supporting staff for program specific laboratories	10	9.25
6.6.2	Incentives, skill upgrade, and professional advancement	10	10
	Total Marks	120	119.25
	Percentage	99.30%	



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -07 Continuous Improvement



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

www.copbela.org



CRITERION 7	Continuous Improvement	75
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7. Continuous Improvement (75)

7.1. Improvement in Success Index of Students without the backlog (15)

Items	LYG 2017-18	LYGm1 2016-17	LYGm2 2015-16
Success index (from 4.2.1)	0.43	0.31	0.37

$SI = (\text{Number of students who graduated from the program without backlog}) / (\text{Number of students admitted in})$

7.2 Improvement in Placement and Higher Studies (15)

Assessment is based on improvement in:

- Placement: number, quality placement, core industry, pay packages etc.
- Higher studies: performance in GPAT etc., and admissions in premier institutions

Items	LYG 2017-18	LYGm1 2016-17	LYGm2 2015-16
Placement index (from 4.7)	1	1	1

7.3. Improvement in the API of the Final Year Students (10)

Academic Performance Index = ((Mean of Final Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Final Year/10)) x (successful students/number of students appeared in the examination)

Successful students are those who passed in all the final year courses

Academic Performance Index	LYG 2017-18	LYGm1 2016-17	LYGm2 2015-16
Mean of CGPA or Percentage of all successful the students (X)	8.18	8.02	7.55
Total no. of successful students (Y)	53	44	39
Total no. of students appeared in the examination (Z)	53	44	39
API = X*Y/Z	8.18	8.02	7.55
Academic Performance = Average API = [(AP1 + AP2 + AP3)/3]	7.92		

7.4 Improvement in the quality of students admitted to the program (15)

Assessment is based on improvement in terms of ranks/score in qualifying state level/national level entrances tests, percentage marks in Physics, Chemistry and Mathematics in 12th Standard and percentage marks of the lateral entry students.

Item		CAYm1 2020-21	CAYm2 2019-20	CAYm3 2018-19
National Level Entrance Examination (Name of the Entrance Examination)	No. of Students admitted	4	4	2
	Opening Score/Rank	141	122	142
	Closing Score/Rank	221	178	142
State/University/Level Entrance Examination/Others (Name of the Entrance Examination)	No. of Students admitted	17	22	18
	Opening Score/Rank	90.66	85.33	83.80
	Closing Score/Rank	55.6	52.0	54.66
Name of the Entrance Examination for Lateral Entry or lateral entry details	No. of Students admitted	1	5	4
	Opening Score/Rank	87.1	81.23	83.29
	Closing Score/Rank	87.1	54.43	52.00
Average CBSE/Any other Board Result of admitted students (Physics, Chemistry & Maths)		72.39	68.10	65.00

7.5. Actions taken based on the results of evaluation of each of the POs (20)

POs Attainment Levels and Actions for improvement – CAYm1 (2020-21)

POs	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.50	2.91	Target Achieved
Action 1: Guest talks were arranged to give latest information regarding the advancement in the field of Pharmacy.			
PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.50	2.89	Target Achieved
Action 1: Students were involved in various activities to enhance their management and planning skills and scale up techniques			
PO3: Problem Analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.50	2.78	Target Achieved
Action 1: More interactive sessions were planned with professionals from industry in order to expose the industrial /societal problems			
PO4: Modern Tool Usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.			
PO4	2.50	2.85	Target Achieved
Action 1: A webinars/seminars were conducted for students about usage of modern analytical tools used in analysis of drugs.			
PO5: Leadership Skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.			
PO5	2.50	2.88	Target Achieved
Action 1: Organizing college functions as a team through student's council to develop management and leadership skill. More responsibilities will be given to the students to learn management skills.			
PO6: Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).			

PO6	2.50	2.89	Target Achieved
Action 1: Encouraged to participate in the extra-curricular activities through NSS and Sewa in the society. To identify the problems in the society and the scope for solving through pharmacy.			
PO7: Pharmaceutical Ethics: Honor personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.			
PO7	2.50	2.91	Target Achieved
Action 1: A webinar and seminars were arranged to inculcate ethical and social responsibilities.			
PO8: Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.			
PO8	2.50	2.66	Target Achieved
Action 1: Students were encouraged to participate in various social and scientific activities. Also they involved in the community pharmacy programs like blood donation camp, medicine distribution camp and health camps etc.			
PO9: The Pharmacist and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.			
PO9	2.50	2.91	Target Achieved
Action 1: More interactive session were planned with professional from industry in order to expose the future of generic medicines in India and were given insight knowledge of pharma science behind traditional health practices.			
PO10: Environment and Sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO10	2.50	2.90	Target Achieved
Action 1: Students were involved in a campaign of “Plastic free College” , “Swachh Bharat Mission” and “ Go Green Environment”			
PO11: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self- assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.			
PO11	2.50	2.92	Target Achieved
Action 1: Assignments were given as per the courses. Students were encouraged to refer to the literatures/e-resources for learning the content.			

POs Attainment Levels and Actions for improvement – CAYm2 (2019-20)

POs	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.50	2.62	Target Level is Attained
Action 1: Industrial exposure was enhanced through online visit.			
PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.50	2.65	Target Level is Attained
Action 1: Students were involved in critical analysis of analytical problems and selection of appropriate analytical tools.			
PO3: Problem Analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.50	2.55	Target Level is Attained
Action 1: Students were taught statistical methods to solve pharmaceutical problems.			
PO4: Modern Tool Usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.			
PO4	2.50	2.51	Target Level is Attained
Action 1: Students were given exposure to various modern tools for their skill enhancements.			
PO5: Leadership Skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.			
PO5	2.50	2.86	Target Level is Attained
Action 1: Students were motivated to participate in various online programs of communication skills, career attributes and personality development.			
PO6: Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).			
PO6	2.50	2.99	Target Level is Attained
Action 1: Students are encouraged to participate in COVID management team in their residing place.			
PO7: Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.			
PO7	2.50	2.66	Target Level is Attained
Action 1: Students were encouraged to learn various Indian Pharmaceutical Acts, Laws and Schedules.			
Action N:			
PO8: Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.			
PO8	2.50	2.59	Target Level is Attained
Action 1: Online group activities were conducted to develop communication skills.			
PO9: The Pharmacist and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.			
PO9	2.50	2.55	Target Level is Attained
Action 1: To understand the elements of pharmaceutical care and compressive patient care system.			
PO10: Environment and Sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO10	2.50	2.89	Target Level is Attained
Action 1: Online Guest talks were arranged on how to discard the expired drugs and sustainability of environment.			
PO11: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.			
PO11	2.50	2.99	Target Level is Attained
Action 1: Students were encouraged to undertake online education courses to acquire new knowledge related to latest development in the field of pharmaceutical sciences.			

POs Attainment Levels and Actions for improvement – CAYm3 (2018-19)

POs	Target Level	Attainment Level	Observations
PO1: Pharmacy Knowledge: Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.			
PO1	2.00	2.15	Target Level is Attained
Action 1: Industrial exposure was enhanced through online visit and webinars.			
PO2: Planning Abilities: Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.			
PO2	2.00	2.29	Target Level is Attained
Action 1: Students were involved in various online extracurricular activities to enhance the planning abilities.			
PO3: Problem Analysis: Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.			
PO3	2.00	2.09	Target Level is Attained
Action 1: Students were encouraged to apply knowledge in developing new procedures.			
PO4: Modern Tool Usage: Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.			
PO4	2.00	2.65	Target Level is Attained
Action 1: Exposure given to the students for modern tools usage in animal studies and drug analysis.			
PO5: Leadership Skills: Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.			
PO5	2.00	2.44	Target Level is Attained
Action 1: Students were encouraged to organize the various scientific and curricular activities.			
PO6: Professional Identity: Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).			
PO6	2.00	2.25	Target Level is Attained
Action 1: Students were encouraged to participate in COVID camps and other social activities.			
PO7: Pharmaceutical Ethics: Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.			
PO7	2.00	2.72	Target Level is Attained
Action 1: Students were taught code of ethics during pharmacy practice.			
PO8: Communication: Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.			
PO8	2.00	2.76	Target Level is Attained
Action 1: Students were made aware about importance of interview skills.			
PO9: The Pharmacist and Society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.			
PO9	2.00	2.31	Target Level is Attained
Action 1: Students were taught the principles and elements for Quality Use of Medicines.			
PO10: Environment and Sustainability: Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO10	2.00	2.16	Target Level is Attained
Action 1: Students have been inspired to carry out field survey under Swachh Bharat Mission.			
PO11: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.			
PO11	2.00	2.83	Target Level is Attained
Action 1: Students were assigned small projects and field work to acquire deep knowledge of challenges and problems.			

Self-Assessment for Criterion 07

S. No.	Assessment Parameters	Marks	
		Prescribed	Institute
7	Continuous Improvement	75	72.95
7.1	Improvement in Success Index of Students without the backlog	15	15
7.2	Improvement in Placement and Higher Studies	15	15
7.3	Improvement in the API of the Final Year Students	10	7.92
7.4	Improvement in the quality of students admitted to the program	15	15
7.5	Actions taken based on the results of evaluation of each of the POs	20	20
	Total Marks	75	72.95
	Percentage	97.22%	



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -08 Student Support Systems



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

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CRITERION8	StudentSupportSystems	50
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8. Student Support Systems (50)

8.1. Mentoring system to help at individual levels (5)

Institute has an organized student support and mentoring system.

Teacher mentors regularly monitor, counsel and assist the students in academics, trainings and projects and support them in extra and co-curricular activities. The mentees meet their mentors fortnightly and depending on their needs.

A group of 10-15 students' mentees are allocated to a faculty mentor at the beginning of the first year and the same mentor will be continued for the whole program.

A group of 6 student mentees are allocated to a senior student mentor at the beginning of the first year and the student mentors will be changed every year.

Newly admitted students are informed about the mentoring and other student support system during the orientation program.

As need arises the student are also counseled for personal problems, professional guidance, course specific problems, about career and their all-round development.

A student mentorship/academic counseling booklet is maintained by the faculty for each student. The booklet includes personal information, academic performance, their interest, efforts subject teacher suggestions, observations and remarks by the mentor.

The regular status of academic and performance related issues are discussed with students and are informed to the parents/guardians. Mentors encourage the mentees to develop their skills and talents. The same is continued till the student completes his/her graduation.

Based on students' performance in internal assessments, knowledge and cognitive skills, academic and moral support will give to them. Remedial classes are arranged or conducted based on the need in respective subjects.

Students are informed about various scholarships, competitive examinations, career opportunities, placement information and skill development programs.

Mentoring program is successfully being carried out and has led to overall development in academic performance and personality of students.

Students mentor acts as a bridge between the teacher mentor and student mentee (Applicable form 2022-23 Session).

Teacher Guardian

Sr. Student Mentor

Student Mentee



Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial
COLLEGE OF PHARMACY, BELA
 Ropar (Punjab) (An Autonomous College)



Student Parent Guardian Scheme

Name:	
Roll No.:	
Course:	
Year of Admission:	
Teacher Guardian:	

Mission

To develop as a center of excellence in Pharmaceutical education integrating with scientific and modern concepts of technical knowledge with basic human ethos and values.

Vision

To provide quality education and training to students making them able to face emerging challenges of the globalized technology, competitiveness and entrepreneurship



Amar Shaheed Baba Ajit Singh Jujhar Singh Memorial
COLLEGE OF PHARMACY, BELA
Ropar (Punjab) (An Autonomous College)



Student Personal Information

1.	Name		Recent Photograph								
2.	Roll No.										
3.	Father's Name										
4.	Mother's Name										
5.	Gender	<input type="checkbox"/> Male / <input type="checkbox"/> Female / <input type="checkbox"/> Transgender									
6.	Category	<input type="checkbox"/> Open / <input type="checkbox"/> SC / <input type="checkbox"/> ST / <input type="checkbox"/> OBC									
7.	Date of Birth (DD/MM/YYYY)										
8.	Aadhar Card No.										
9.	Student Mobile No.										
10.	Father's Mobile No.										
11.	Mothers Mobile No.										
12.	Email-id										
13.	Address (Local)										
14.	Address (Permanent)										
15.	Residence at	<input type="checkbox"/> Hostler / <input type="checkbox"/> Day Scholar									
16.	Conveyance	<input type="checkbox"/> College Transport/ <input type="checkbox"/> Private Transport/ <input type="checkbox"/> Own Vehicle / <input type="checkbox"/> Dropped by Some-one									
17.	If own Vehicle than Having License	<input type="checkbox"/> Yes / <input type="checkbox"/> No License No.									

Student Health Information Sheet

1.	Any Disability	
2.	Blood Group & Rh Factor	
3.	Any Allergy	
4.	Any Chronic Disease	
5.	Height (cm's/ Inches)	
6.	Weight (kg)	
7.	Eyes Sight	<input type="checkbox"/> Normal / <input type="checkbox"/> Spikes (Near/Far)

Student Academic Information

Particular	School/College	Board	Percentage	Division
Class X				
Class XII (PCB/ PCM)				
D.Pharmacy				
B. Pharmacy				
Language Known	Speaking	<input type="checkbox"/> Punjabi / <input type="checkbox"/> English / <input type="checkbox"/> Hindi		
	Listening	<input type="checkbox"/> Punjabi / <input type="checkbox"/> English / <input type="checkbox"/> Hindi		
	Writing	<input type="checkbox"/> Punjabi / <input type="checkbox"/> English / <input type="checkbox"/> Hindi		

Student Family Background Information

Father's Occupation	
Mother's Occupation	
Brother /Sister	Brother ____ Elder / ____ Younger Sister ____ Elder / ____ Younger
Net Income Per Year	Rs.

Student Hobbies Information

Hobby 1	
Hobby 2	
Extra-Curricular Activity	
Games	

Fee Summary

Class	Total Fee	I Installment	II Installment	III Installment	Total Received Fee	Pending Fee
B. Pharmacy 1 st Semester						
B. Pharmacy 2 nd Semester						
B. Pharmacy 3 rd Semester						
B. Pharmacy 4 th Semester						
B. Pharmacy 5 th Semester						
B. Pharmacy 6 th Semester						
B. Pharmacy 7 th Semester						
B. Pharmacy 8 th Semester						

Attendance (Session _____)

B. Pharmacy 1st Semester

Subject	Teacher	1 st Month		2 nd Month		3 rd Month		4 th Month		5 th Month		6 th Month	
		Attend	Total Class	Attend	Total Class	Attend	Total Class	Attend	Total Class	Attend	Total Class	Attend	Total Class
Human Anatomy and Physiology I–Theory													
Pharmaceutical Analysis I – Theory													
Pharmaceutics I – Theory													
Pharmaceutical Inorganic Chemistry –Theory													
Communication skills – Theory													
Remedial Biology– Theory													
Remedial Mathematics – Theory*													
Human Anatomy and Physiology –Practical													
Pharmaceutical Analysis – Practical													
Pharmaceutics I – Practical													
Pharmaceutical Inorganic Chemistry – Practical													
Communication skills – Practical*													
Remedial Biology – Practical*													

Monthly Report (Session _____) form Subject Teacher

B. Pharmacy 1st Semester

Subject	Teacher	1 st Month	2 nd Month	3 rd Month	4 th Month	5 th Month	6 th Month
Human Anatomy and Physiology I – Theory							
Pharmaceutical Analysis I – Theory							
Pharmaceutics I – Theory							
Pharmaceutical Inorganic Chemistry – Theory							
Communication skills – Theory							
Remedial Biology – Theory							
Remedial Mathematics – Theory*							
Human Anatomy and Physiology – Practical							
Pharmaceutical Analysis – Practical							
Pharmaceutics I – Practical							
Pharmaceutical Inorganic Chemistry – Practical							
Communication skills – Practical*							
Remedial Biology – Practical*							

Internal Marks Card of Subjects

B. Pharmacy I Semester Session _____

Code	Subject	Max Marks	Internal Marks			
			Ist Sessional	IInd Sessional	IIIrd Sessional	Average Marks
BP101T	Human Anatomy and Physiology I–Theory	25				
BP102T	Pharmaceutical Analysis I – Theory	25				
BP103T	Pharmaceutics I – Theory	25				
BP104T	Pharmaceutical Inorganic Chemistry – Theory	25				
BP105T	Communication skills – Theory	15				
BP106RBT	Remedial Biology– Theory	15				
BP106RMT	Remedial Mathematics – Theory*	15				
BP107P	Human Anatomy and Physiology –Practical	15				
BP108P	Pharmaceutical Analysis – Practical	15				
BP109P	Pharmaceutics I – Practical	15				
BP110P	Pharmaceutical Inorganic Chemistry – Practical	15				
BP111P	Communication skills – Practical*	10				
BP112RBP	Remedial Biology – Practical*	10				

Final Marks Detail

B. Pharmacy I Semester Session						
Code	Subject	MM	Attempt			
			Ist	IInd	IIIrd	IVth
BP101T	Human Anatomy and Physiology I–Theory	100				
BP102T	Pharmaceutical Analysis I – Theory	100				
BP103T	Pharmaceutics I – Theory	100				
BP104T	Pharmaceutical Inorganic Chemistry –Theory	100				
BP105T	Communication skills – Theory	50				
BP106RBT	Remedial Biology– Theory	50				
BP106RMT	Remedial Mathematics – Theory*	50				
BP107P	Human Anatomy and Physiology –Practical	50				
BP108P	Pharmaceutical Analysis – Practical	50				
BP109P	Pharmaceutics I – Practical	50				
BP110P	Pharmaceutical Inorganic Chemistry – Practical	50				
BP111P	Communication skills – Practical*	25				
BP112RBP	Remedial Biology – Practical*	25				
TOTAL						

Achievement by Student

[illegible]

[illegible]

First Year Students (2021-25)

Roll. No.	Name of Student	Teacher Guardian	No of Meetings Held in 2021-22
2115759	ABHAY SHARMA	Dr. Satnam Singh	02
2115760	ABHILASHA KUMARI	Dr. Satnam Singh	02
2115761	ABHIMANYU KUMAR	Dr. Satnam Singh	02
2115762	ABHISHEK KUMAR	Dr. Satnam Singh	02
2115763	ABHISHEK KUMAR	Dr. Satnam Singh	--
2115764	ADITYA SHARMA	Dr. Satnam Singh	02
2115765	AKRAM AHMAD	Dr. Satnam Singh	02
2115766	AKSHIT THAKUR	Dr. Satnam Singh	02
2115767	AMIT KUMAR	Dr. Satnam Singh	02
2115768	ANAND KUMAR JHA	Dr. Satnam Singh	--
2115769	ANANYA SHARMA	Ms. Sharanpreet Kaur	02
2115770	ANJALI	Ms. Sharanpreet Kaur	02
2115771	ANKIT VASHIST	Ms. Sharanpreet Kaur	02
2115772	ANMOL KUMAR	Ms. Sharanpreet Kaur	02
2115773	ANU SHARMA	Ms. Sharanpreet Kaur	02
2115774	ANUJ KUMAR	Ms. Sharanpreet Kaur	02
2115775	ANURAG KUMAR	Ms. Sharanpreet Kaur	02
2115776	ARUSHI RANA	Ms. Sharanpreet Kaur	02
2115777	ARVIND KUMAR PASWAN	Ms. Sharanpreet Kaur	02
2115778	ARZU	Ms. Sharanpreet Kaur	02
2115779	AVINASH	Dr. Ajay Singh Kushwah	02
2115780	AYUSH RANIYAL	Dr. Ajay Singh Kushwah	02
2115782	BHAVJOT SINGH	Dr. Ajay Singh Kushwah	02
2115784	CHANDAN KUMAR	Dr. Ajay Singh Kushwah	02
2115785	CHANDRA BHUSHAN KUMAR CHAUHAN	Dr. Ajay Singh Kushwah	02
2115786	CHARANJEET SINGH	Dr. Ajay Singh Kushwah	02
2115787	DHRITI SHARMA	Dr. Ajay Singh Kushwah	02
2115788	DILPREET KAUR	Dr. Ajay Singh Kushwah	02
2115789	GAGANDEEP SINGH	Dr. Ajay Singh Kushwah	02
2115791	GURDEEP SINGH	Dr. Ajay Singh Kushwah	02
2115792	GURLEEN SEHGAL	Ms. Navjit Kaur	02
2115793	GURPREET KAUR	Ms. Navjit Kaur	02
2115794	GURPREET SINGH	Ms. Navjit Kaur	02

2115796	HARLEEN SHARMA	Ms. Navjit Kaur	02
2115797	HARMANPREET KAUR	Ms. Navjit Kaur	02
2115798	HARSH SAINI	Ms. Navjit Kaur	02
2115799	HARSHDEEP KAUR	Ms. Navjit Kaur	02
2115800	HASIN FATIMA	Ms. Navjit Kaur	02
2115801	IKRAJ SINGH	Ms. Navjit Kaur	02
2115802	ISHA	Ms. Navjit Kaur	02
2115803	ISHAN RAHEJA	Ms. Noel	02
2115804	ISHWARPREET KAUR	Ms. Noel	02
2115805	JASHANDEEP KAUR	Ms. Noel	02
2115806	JASKARAN KUMAR	Ms. Noel	02
2115807	JEET KUMAR	Ms. Noel	02
2115808	JEETENDRA KUMAR	Ms. Noel	02
2115809	KAMRUL EZAZ	Ms. Noel	02
2115810	KHUSHI RAWAT	Ms. Noel	02
2115811	LAKHAN LAL KUMAR	Ms. Noel	02
2115812	LAKHVIR KAUR	Ms. Noel	02
2115813	LOVENEET KAUR	Ms. Gurminder Kaur	02
2115814	MANI MAHESH	Ms. Gurminder Kaur	02
2115815	MANPREET KAUR	Ms. Gurminder Kaur	02
2115816	MD REHAN	Ms. Gurminder Kaur	02
2115817	MD SAHID ALAM	Ms. Gurminder Kaur	02
2115818	MD SHAHJAHAN	Ms. Gurminder Kaur	02
2115820	MRITUNJAY KUMAR	Ms. Gurminder Kaur	02
2115822	NAVDEEP KAUR	Ms. Gurminder Kaur	02
2115823	NAVJOT SAINI	Ms. Gurminder Kaur	02
2115824	NAWED ALAM	Ms. Gurminder Kaur	02
2115825	NIKHIL VERMA	Ms. Ritu	02
2115826	OM PRAKASH YADAV	Ms. Ritu	02
2115827	PAWAN KUMAR	Ms. Ritu	02
2115828	PRABHASH KUMAR	Ms. Ritu	02
2115829	PRABHSIMRAN SINGH	Ms. Ritu	02
2115830	PRAKASH KUMAR	Ms. Ritu	02
2115831	PRASHANT KUMAR	Ms. Ritu	02
2115832	PRATHAM SINGLA	Ms. Ritu	02
2115833	PRIYANKA	Ms. Ritu	02
2115834	RAHUL KUMAR	Ms. Ritu	02
2115835	RAHUL KUMAR SINGH	Ms. Baljeet Kaur	02

2115836	RAHUL SOOD	Ms. Baljeet Kaur	02
2115838	RANVEER SINGH	Ms. Baljeet Kaur	02
2115839	ROHITA	Ms. Baljeet Kaur	02
2115840	ROOPANJOT KAUR	Ms. Baljeet Kaur	02
2115841	SAHIL SANKHYAN	Ms. Baljeet Kaur	02
2115842	SAJAD ALAM	Ms. Baljeet Kaur	02
2115843	SAKSHI	Ms. Baljeet Kaur	02
2115844	SAMANPREET KAUR	Ms. Baljeet Kaur	02
2115845	SARVAGYA SUMAN	Ms. Baljeet Kaur	02
2115846	SATINDER SINGH	Ms. Baljeet Kaur	02
2115847	SATYAM KUMAR	Ms. Gurvinder Kaur Rana	01
2115848	SHIVAM KUMAR GIRI	Ms. Gurvinder Kaur Rana	01
2115849	SHIVAM PRAJAPATI	Ms. Gurvinder Kaur Rana	01
2115850	SHOBNA	Ms. Gurvinder Kaur Rana	01
2115851	SHREYA SHREE	Ms. Gurvinder Kaur Rana	01
2115852	SIMARDEEP SINGH	Ms. Gurvinder Kaur Rana	01
2115853	SIMRAN KUMARI	Ms. Gurvinder Kaur Rana	01
2115854	SIMRANDEEP KAUR	Ms. Gurvinder Kaur Rana	01
2115855	SIMRANJEET SINGH	Ms. Gurvinder Kaur Rana	01
2115856	SNEHA SHUKLA	Ms. Gurvinder Kaur Rana	01
2115857	SONU KUMAR	Ms. Amanpreet Kaur	01
2115858	SUNANDAN RANA	Ms. Amanpreet Kaur	01
2115859	SURJEET SINGH	Ms. Amanpreet Kaur	01
2115860	TARANPREET SINGH	Ms. Amanpreet Kaur	01
2115861	TEJASWI THAKUR	Ms. Amanpreet Kaur	01
2115862	VANSHIKA	Ms. Amanpreet Kaur	01
2115863	VIDYA SAGAR	Ms. Amanpreet Kaur	01
2115864	VINAYAK SHUKLA	Ms. Amanpreet Kaur	01
2115865	VISHAVDEEP SINGH	Ms. Amanpreet Kaur	01
2115866	YASHVEER SINGH THAKUR	Ms. Amanpreet Kaur	01

Second Year Students (2020-24)

Roll. No.	Name of Student	Teacher Guardian	No of Meetings Held in 2021-22	No of Meetings Held in 2020-21
2014648	ABDHESH KUMAR	Ms. Shehnaz Khatoon	04	01
2014649	ABHIK KUMAR	Ms. Shehnaz Khatoon	06	02
2014650	ABHISHEK KUMAR	Ms. Shehnaz Khatoon	05	02
2014651	AMANDEEP KAUR	Ms. Shehnaz Khatoon	05	02
2014652	AMISHA	Ms. Shehnaz Khatoon	06	02
2014653	ANITA KAUR	Ms. Shehnaz Khatoon	04	01
2014654	ANMOL VERMA	Ms. Shehnaz Khatoon	04	01
2014655	ANURAG KUMAR SINGH	Ms. Shehnaz Khatoon	05	02
2014656	AQIB BASHIR	Ms. Shehnaz Khatoon	05	02
2014657	ARINA KAUR DHARIWAL	Ms. Shehnaz Khatoon	06	02
2014658	ARSHJOT SINGH	Ms. Shehnaz Khatoon	04	02
2014659	ARSHLEEN KAUR	Ms. Shehnaz Khatoon	04	02
2014661	BALWINDER SINGH	Ms. Chamanpreet Kaur Mann	03	02
2014662	CHAHAT GAUTAM	Ms. Chamanpreet Kaur Mann	04	02
2014663	CHANCHAL KUMAR	Ms. Chamanpreet Kaur Mann	03	01
2014664	DALJEET KAUR	Ms. Chamanpreet Kaur Mann	02	01
2014665	FARHAN BHATTI	Dr. Shailesh Sharma	03	03
2014667	FIZANOOR	Ms. Chamanpreet Kaur Mann	02	02
2014668	GURKIRAT SINGH	Ms. Chamanpreet Kaur Mann	02	01
2014669	GURPREET SINGH	Ms. Chamanpreet Kaur Mann	03	02
2014670	GURPREET SINGH	Ms. Chamanpreet Kaur Mann	03	02
2014671	HARJOT KAUR	Ms. Chamanpreet Kaur Mann	02	02
2014672	HARMANPREET KAUR	Ms. Chamanpreet Kaur Mann	02	01
2014673	HARPREET SINGH	Ms. Chamanpreet Kaur Mann	02	01
2014674	HARSHDEEP SINGH	Ms. Chamanpreet Kaur Mann	04	02
2014675	INDERVANSI SINGH	Mr. Sharanpreet Singh	02	01
2014676	ISHA KAPOOR	Mr. Sharanpreet Singh	02	02
2014678	JASHANPREET KAUR	Mr. Sharanpreet Singh	03	02
2014679	JASPREET KAUR	Mr. Sharanpreet Singh	03	02
2014681	KIRAN	Mr. Sharanpreet Singh	03	01
2014682	LAKHVEER SINGH	Mr. Sharanpreet Singh	02	01
2014683	MANJEET SINGH	Mr. Sharanpreet Singh	02	01
2014684	MANVEER ARORA	Mr. Sharanpreet Singh	02	01
2014687	MISHRA RAJAT SHIVNAYAN	Mr. Sharanpreet Singh	02	02
2014688	MONU KUMAR	Ms. Kamaljeet Kaur	02	01
2014689	NAVNEET SINGH	Ms. Kamaljeet Kaur	03	02
2014690	NEERAJ KUMAR	Ms. Kamaljeet Kaur	03	01

	MASHALL			
2014691	NEHA SAHA	Ms. Kamaljeet Kaur	03	02
2014694	PRIYANKA	Ms. Kamaljeet Kaur	--	--
2014695	RAHUL KUMAR	Ms. Kamaljeet Kaur	02	02
2014697	RAHUL KUMAR RANJAN	Ms. Kamaljeet Kaur	--	--
2014698	RENU KUMARI	Ms. Kamaljeet Kaur	03	02
2014699	SAHIB	Ms. Kamaljeet Kaur	03	02
2014700	SAKSHI	Ms. Kamaljeet Kaur	02	01
2014701	SAQUIB KHAN	Ms. Kamaljeet Kaur	02	02
2014702	SARBJEET SINGH	Ms. Kamaljeet Kaur	02	01
2014703	SAROJ KUMARI	Ms. Manpreet Kaur	04	02
2014704	SHALLU	Ms. Manpreet Kaur	04	02
2014706	SIMRANJIT KAUR	Ms. Manpreet Kaur	04	02
2014708	SONU KUMAR	Ms. Manpreet Kaur	04	02
2014709	SUKHPREET KAUR	Ms. Manpreet Kaur	04	02
2014710	TARANJOT KAUR	Ms. Manpreet Kaur	04	02
2014711	UTTAM KUMAR	Ms. Manpreet Kaur	03	01
2014712	VIPUL GUPTA	Ms. Manpreet Kaur	03	01
2014714	YASHPREET SINGH	Ms. Manpreet Kaur	03	01

Third Year Students (2019-23)

Roll. No.	Name of Student	Teacher Guardian	No of Meetings Held in 2021-22	No of Meetings Held in 2020-21	No of Meetings Held in 2019-20
1911544	AKASH BATRA	Ms. Amandeep Kaur	04	02	03
1911545	AKASH MEHAMI	Ms. Amandeep Kaur	01	0	01
1911546	ALKA KUMARI	Ms. Amandeep Kaur	04	02	02
1911547	AMANPREET SINGH	Ms. Amandeep Kaur	04	02	03
1911548	ANKIT VASHISHT	Ms. Amandeep Kaur	04	02	03
1911549	ANKUSH	Ms. Amandeep Kaur	03	02	02
1911550	ANMOLPREET SINGH	Ms. Amandeep Kaur	04	02	03
1911551	ARSHPREET KAUR	Ms. Amandeep Kaur	04	01	02
1911552	ARSHVEER SINGH	Ms. Amandeep Kaur	04	02	03
1911553	ARUN KUMAR	Ms. Amandeep Kaur	--	--	--
1911555	GAGANDEEP SINGH	Ms. Mandeep Kaur	01	01	01
1911556	GURPREET SINGH	Ms. Mandeep Kaur	01	01	-02
1911557	GURPREET SINGH	Ms. Mandeep Kaur	--	--	-02
1911558	GURSIMRAN KAUR	Ms. Mandeep Kaur	01	01	-01
1911559	HARSHDEEP SINGH	Ms. Mandeep Kaur	01	01	01
1911560	INDERJIT SINGH	Ms. Mandeep Kaur	01	01	-02
1911561	JAGJODH SINGH	Ms. Mandeep Kaur	01	01	-02
1911562	JASHANPREET KAUR	Ms. Mandeep Kaur	01	01	-02
1911563	JASKARAN SINGH	Ms. Mandeep Kaur	01	01	01
1911564	JASLEEN KAUR	Dr. Richa Gupta	04	05	04

1911565	JASMINE RANDHAWA	Dr. Richa Gupta	04	05	04
1911566	JEEWANJOT SINGH	Dr. Richa Gupta	04	05	04
1911567	KOMAL BHUPAL	Dr. Richa Gupta	04	05	04
1911568	KRISHAN GOPAL	Dr. Richa Gupta	04	05	04
1911569	MASRROR HASHMI	Dr. Richa Gupta	01	05	03
1911572	MD SHADAB ALAM	Dr. Richa Gupta	02	05	04
1911573	MUSKAN GOYAL	Dr. Richa Gupta	04	05	04
1911574	NAAJ	Ms. Sukhwinder Kaur	02	02	01
1911575	NAVREET KAUR	Ms. Sukhwinder Kaur	02	02	02
1911576	NEHA	Ms. Sukhwinder Kaur	02	02	02
1911577	PANKAJ KUMAR	Ms. Sukhwinder Kaur	02	02	01
1911578	PAPPU KUMAR MANDAL	Ms. Sukhwinder Kaur	02	02	02
1911579	PERMINDER KAUR	Ms. Sukhwinder Kaur	02	02	02
1911580	PREETI KUMARI	Ms. Sukhwinder Kaur	02	02	02
1911582	PULKIT MADAN	Ms. Sukhwinder Kaur	02	01	01
1911583	RAMANDEEP SINGH	Ms. Sukhwinder Kaur	02	02	02
1911584	RAMANDEEP SINGH	Ms. Ramanjit Kaur	03	03	01
1911585	RANJEET SINGH	Ms. Ramanjit Kaur	03	03	01
1911586	RAVNEET	Ms. Ramanjit Kaur	--	--	--
1911587	ROHIT SINGH	Ms. Ramanjit Kaur	03	03	01
1911588	SAHIL SHARMA	Ms. Ramanjit Kaur	03	03	01
1911589	SANAMPREET SINGH	Ms. Ramanjit Kaur	--	--	--
1911590	SANDEEP KAUR	Ms. Ramanjit Kaur	03	03	01
1911593	SEHRAB PREET SINGH	Ms. Ramanjit Kaur	03	03	01
1911594	SHEENAM MIGLANI	Ms. Harpreet Kaur	01	01	03
1911595	SHUBHNOOR KAUR	Ms. Harpreet Kaur	03	03	03
1911596	SIMRAN	Ms. Harpreet Kaur	03	02	02
1911597	SUKHWINDER SAINI	Ms. Harpreet Kaur	01	01	01
1911599	TAHIRA	Ms. Harpreet Kaur	03	01	02
1911600	TAJINDER SINGH	Ms. Harpreet Kaur	03	02	01
1911601	VARINDER SINGH SIDHU	Ms. Harpreet Kaur	01	-02	-02
1911602	VIKRAMJIT SINGH	Ms. Harpreet Kaur	01	-02	03
1911603	VINAKSHI RANA	Ms. Harpreet Kaur	03	02	03
1911605	VISHAVNATH	Ms. Harpreet Kaur	03	02	01
1911606	YAMINI	Ms. Harpreet Kaur	03	03	03
1911607	YASH KUMAR SHARMA	Ms. Harpreet Kaur	03	02	01
1934589	PRABHAT KUMAR	Ms. Harpreet Kaur	03	02-	-02
1934590	SUDHIR KUMAR	Ms. Harpreet Kaur	03	02	-02
1934591	ASHWANI KUMAR	Ms. Harpreet Kaur	03	01	-02
1934592	SAMEEER AHMED	Ms. Harpreet Kaur	01	02	-02
1934593	KAUSHAL KUMAR	Ms. Harpreet Kaur	01	03	-02

Fourth Year Students (2018-22)

Roll. No.	Name of Student	Teacher Guardian	No of Meetings Held in 2021-22	No of Meetings Held in 2020-21	No of Meetings Held in 2019-20	No of Meetings Held in 2018-19
1812973	AAMIR HUSSAIN WANI	Mr. Satnam Singh	07	02	03	02
1812974	ABHINAV GUPTA	Mr. Satnam Singh	07	02	03	0
1812975	ABHINAV SINGLA	Mr. Satnam Singh	07	02	04	0
1812976	ABHISHEK BEHKI	Mr. Satnam Singh	07	02	03	03
1812977	AKSHAT SHARMA	Mr. Satnam Singh	07	04	03	03
1812978	AMANDEEP	Mr. Satnam Singh	07	02	03	03
1812979	AMRINDER SINGH	Mr. Satnam Singh	07	02	03	03
1812980	ANKITA RANA	Mr. Satnam Singh	07	02	04	02
1812981	ANKUSH KUMAR	Mr. Satnam Singh	07	02	03	03
1812985	ARSHVEER SINGH	Mr. Satnam Singh	07	02	03	03
1812986	BALJEET KAUR	Ms. Punam Gaba	02	05	02	03
1812988	GAGANDEEP	Ms. Punam Gaba	02	05	02	03
1812989	GAGANDEEP KAUR	Ms. Punam Gaba	02	05	02	03
1812991	GURPINDER KAUR	Ms. Punam Gaba	02	05	02	03
1812993	ISHA	Ms. Punam Gaba	01	04	02	03
1812994	JASPREET KAUR	Ms. Punam Gaba	02	06	02	03
1812995	KAMALJEET SINGH	Ms. Punam Gaba	02	05	02	02
1812997	KAREENA BHASEEN	Ms. Punam Gaba	01	04	03	02
1812999	KOMALPREET KAUR	Mr. Devinder Kumar	06	07	03	03
1813000	KOMALPREET KAUR	Mr. Devinder Kumar	06	07	03	03
1813001	LALITA	Mr. Devinder Kumar	06	05	03	03
1813002	LOVEPREET SINGH	Mr. Devinder Kumar				
1813003	LOVEPREET SINGH	Mr. Devinder Kumar	06	06	03	03
1813005	MANDEEP KAUR	Mr. Devinder Kumar	06	07	03	03
1813006	MANMEET	Mr. Devinder Kumar	05	06	03	03
1813007	MANPREET KAUR	Mr. Devinder Kumar	06	05	03	03
1813008	MANPREET KAUR	Mr. Devinder Kumar	06	05	03	03
1813009	MANPREET KAUR	Mr. Devinder Kumar	06	05	03	03
1813010	MANPREET KAUR	Mr. Devinder Kumar	05	05	03	03

1813011	MOHIT SHARMA	Dr. Neelam Sharma	03	03	06	02
1813012	MOHITA	Dr. Neelam Sharma	03	03	05	02
1813013	PARAS KUMAR	Dr. Neelam Sharma	03	03	05	02
1813014	PARMINDER SINGH	Dr. Neelam Sharma	03	03	03	02
1813016	PRABHJOT SINGH	Dr. Neelam Sharma	03	03	05	02
1813017	PRERNA	Dr. Neelam Sharma	03	03	05	02
1813018	RAJVEER SINGH	Dr. Neelam Sharma	03	03	05	02
1813019	RAJVIR SINGH	Dr. Neelam Sharma	02	03	03	00
1813020	RUPINDER KAUR	Dr. Neelam Sharma	03	03	05	02
1813022	SATWINDER KAUR	Ms. SK Lohat	08	09	03	00
1813023	SIMARPREET SINGH	Ms. SK Lohat	07	08	03	00
1813024	SIMRANJIT SINGH	Ms. SK Lohat	07	07	03	02
1813025	SUHASI	Ms. SK Lohat	07	08	03	01
1813026	SUKHDEEP SINGH	Ms. SK Lohat	07	08	03	01
1813027	SUMANJEET KAUR	Ms. SK Lohat	08	08	03	02
1813029	SWEETY	Ms. SK Lohat	08	08	03	02
1813030	TANUJ KUMAR	Ms. SK Lohat	07	08	03	01
1813031	VANEETA KUMARI	Ms. SK Lohat	08	08	04	01
1813032	VISHAL	Ms. SK Lohat	08	09	03	01
1911637	AMANPREET KAUR	Ms. SK Lohat	06	06	05	02
1911639	NAVJOT KAUR	Ms. SK Lohat	06	05	05	02
1911640	POOJA RANI	Ms. SK Lohat	06	05	05	02
1911641	PUSHPINDER SINGH	Ms. SK Lohat	05	05	05	02

8.2. Feedback analysis and reward /corrective measures taken, if any (10)

An unbiased feedback is collected online or manually by using questioner at the end of every academic semester. The questionnaire has various parameters which assess the skills of the teacher which includes.

- **Presentation Skills:** Refers to the teacher's ability to convey the information in a concise manner to the student by using appropriate teaching aids and technologies like presentations, models, illustrations etc.
- **Pupil Participation and Student Motivation:** Asses the teachers ability to clear the doubts and open question session that motivates the students to acquire knowledge in every aspect of pharmacy profession.
- **Assessment Skills:** Measures the teacher's ability to evaluate the students' performance in internal and external theory and practical examinations.

Students feedback were evaluated by the deputed team of the senior faculty members.

Interpretation of Results:

If the score are:

>= 80% - Very Good

>= 70% - Good

>= 60% - Can Improve

< 60% - Must Improve

Basis of Reward:

Letter of Appreciation for the faculty members receiving more than 90% score in their feedback. Also one best teacher is awarded every year based on their performance in annual function.

Corrective Action:

Necessary actions would be taken against teachers on their students feedback.

Teachers receiving <60% score in their feedback would be counseled.

Letters would be issued to the teachers whose result will be less than 80% and on 03 less results in consecutive semesters; their increment will be stopped for a year. After the again same result a warning letter will be issued to the faculty.



Student Feedback

Name of the Student: _____ Roll No. _____

Fathers Name: _____ Mobile _____

Students are required to rate the courses on the following attributes using the 5 -point scale shown.

5- Excellent, 4- Very Good, 3- Good, 2- Satisfactory, 1- Unsatisfactory

Parameters	Course	Course	Course	Course	Course	Course
	Faculty	Faculty	Faculty	Faculty	Faculty	Faculty
1. Knowledge base of the teacher (as perceived by you)						
2. Communication Skills (in terms of articulation and comprehensibility)						
3. Sincerity / Commitment of the teacher						
4. Interest generated by the teacher						
5. Ability to integrate course material with environment/other issues, to provide a broader perspective						
6. Ability to integrate content with other courses						
7. Accessibility of the teacher in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)						
8. Ability to design quizzes /tests/assignments /examinations and projects to evaluate students understanding of the course						
9. Provision of sufficient time for feedback						
10. Any Remark						
11. Overall rating						

Date: _____

Sign: _____

8.3. Feedback on facilities (5)

Feedback on facilities is collected from the students at the end of every academic year, by using a feedback questionnaire having various parameters. The questionnaire includes feedback on College Campus, Classroom Sitting Arrangement, Audio Visual Facilities, Lightening and Ventilation, Wi-Fi Facility, Library Facility, Accessibility of books in Library, Sitting Arrangements in Library, Computational Facilities, Timings of Computer Lab, Wash Room, Cafeteria, Boys Common Room, Girls Common Room, Drinking Water Facility, First Aid, Parking, Content by faculty, Vision & Mission is with current need, PO & PEO is with current need, Co-Curricular Activities (seminars/Workshops/Lectures), Extra-Curricular Activities (Cultural/Games/Competitions), Placement Drives for which the rating are given by the students as follows:

1. Excellent
2. Good
3. Fair
4. Poor

Based on the response obtained, corrective measure is taken to improve the facilities of the institution.

Facility Form 2021

COPBELA

* Required

1. Email *

2. Name *

3. Father's Name *

4. Roll No. *

5. Class *

Mark only one oval.

☐ D. Pharmacy☐ B. Pharmacy☐ M. Pharmacy☐ B.Sc. (MLS)☐ M.Sc. (Pharm. Chem.)

6. Mobile Number *

7. Whatsapp Number *

Feed back

8. College Campus *

Mark only one oval.

☐ Excellent☐ Good☐ Fair☐ Poor

9. Classroom Sitting Arrangement *

Mark only one oval.

☐ Excellent☐ Good☐ Fair☐ Poor

10. Audio Visual Facilities *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

11. Lightening and Ventilation *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

12. Wi-Fi Facility *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

13. Library Facility *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

14. Accessibility to books in Library *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

15. Timing of Library *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

16. Sitting Arrangements in Library *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

17. Computational Facilities *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

18. Timings of Computer Lab *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

19. Wash Room *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

20. Cafeteria *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

21. Boys Common Room *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

22. Girls Common Room *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

23. Drinking Water Facility *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

24. First Aid *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

25. Parking *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

26. Faculty or Delivery of Content *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

27. Vision & Mission is with current need *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

28. PO & PEO is with current need *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

29. Co-Curricular Activities (seminars/Workshops/Lectures) *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

30. Extra-Curricular Activates (Cultural/Games/Competitions) *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

31. Placement Drives *

Mark only one oval.

- ☐ Excellent
☐ Good
☐ Fair
☐ Poor

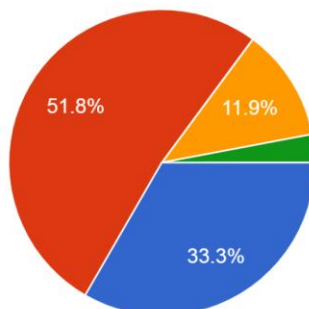
32. Your Suggestion for betterment

This content is neither created nor endorsed by Google.

Google Forms

College Campus

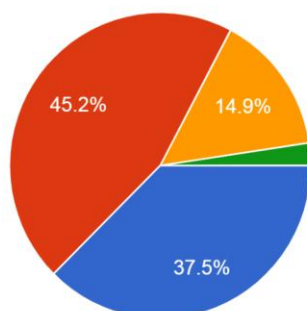
168 responses



● Excellent
● Good
● Fair
● Poor

Classroom Sitting Arrangement

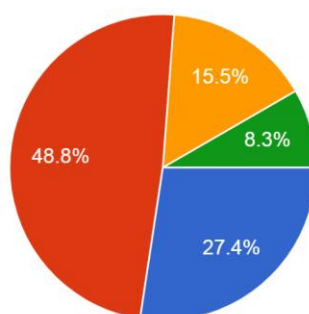
168 responses



● Excellent
● Good
● Fair
● Poor

Audio Visual Facilities

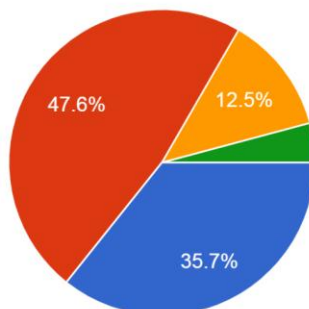
168 responses



● Excellent
● Good
● Fair
● Poor

Lightening and Ventilation

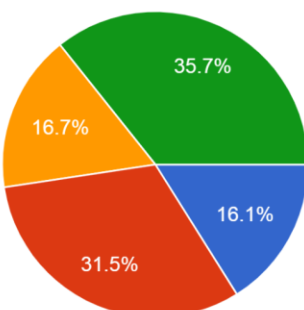
168 responses



● Excellent
● Good
● Fair
● Poor

Wi-Fi Facility

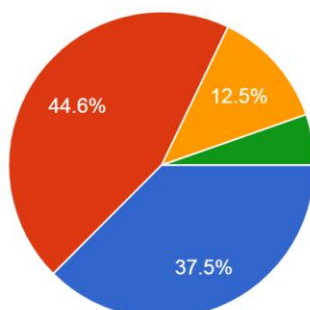
168 responses



● Excellent
● Good
● Fair
● Poor

Library Facility

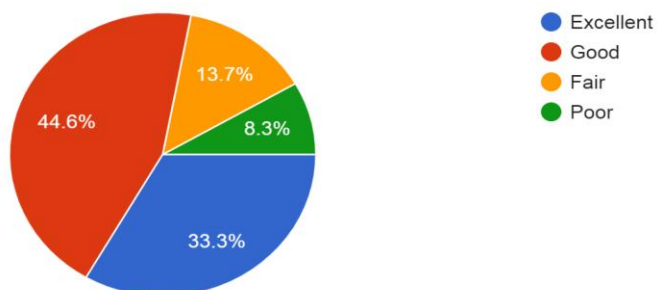
168 responses



● Excellent
● Good
● Fair
● Poor

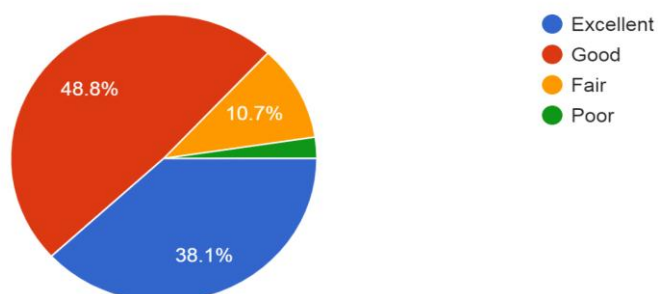
Accessibility to books in Library

168 responses



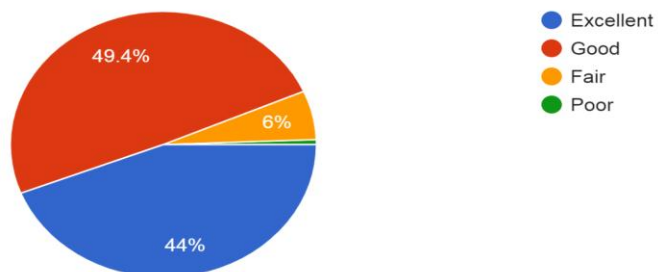
Timing of Library

168 responses



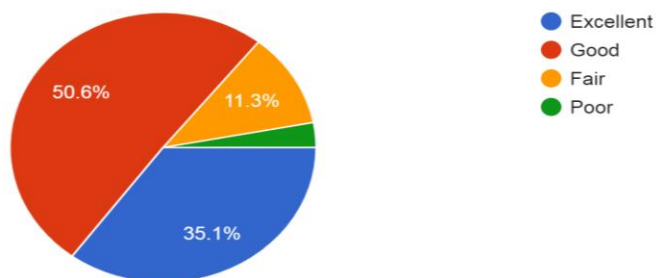
Sitting Arrangements in Library

168 responses



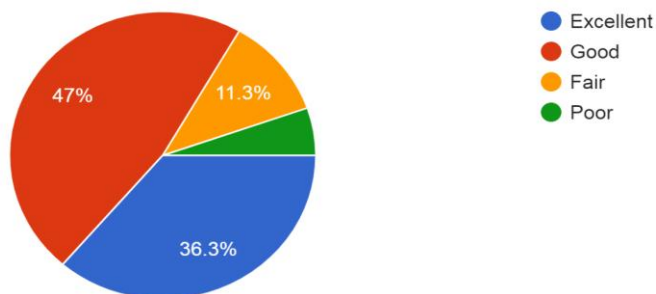
Computational Facilities

168 responses



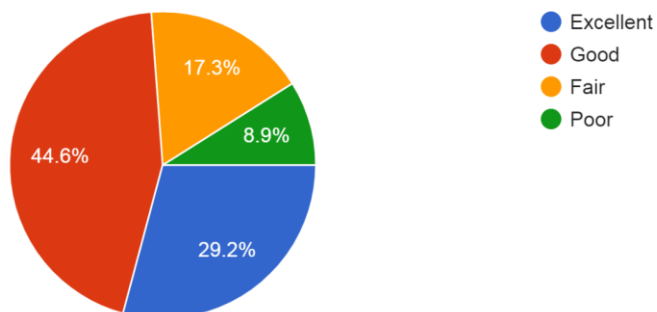
Timings of Computer Lab

168 responses

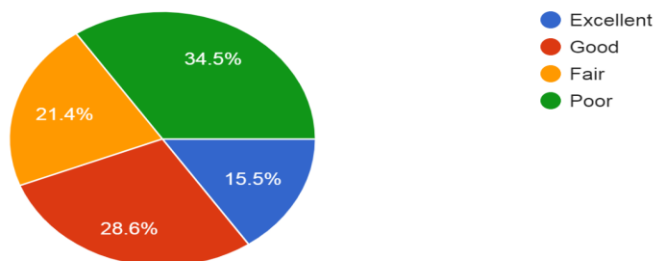


Wash Room

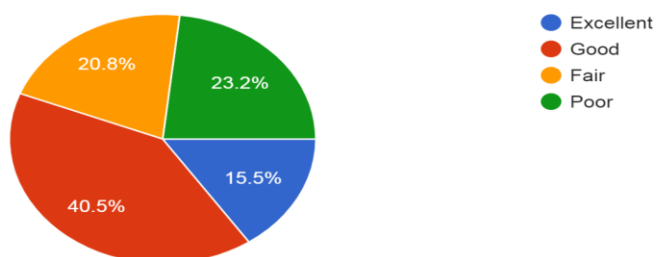
168 responses



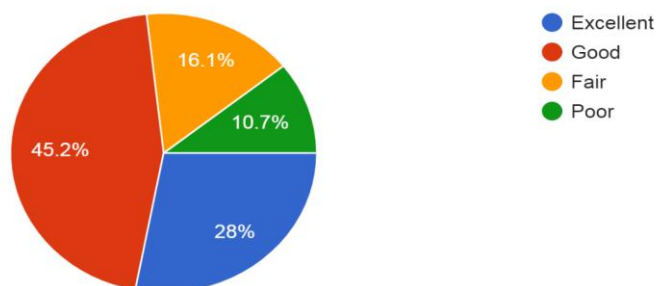
Cafeteria
168 responses



Boys Common Room
168 responses

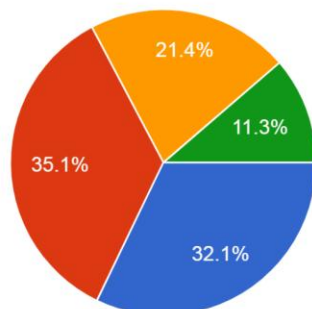


Girls Common Room
168 responses



Drinking Water Facility

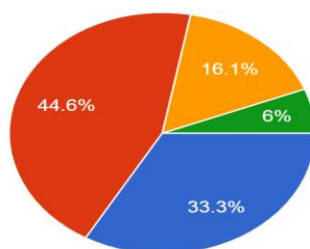
168 responses



● Excellent
● Good
● Fair
● Poor

First Aid

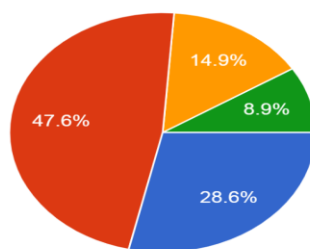
168 responses



● Excellent
● Good
● Fair
● Poor

Parking

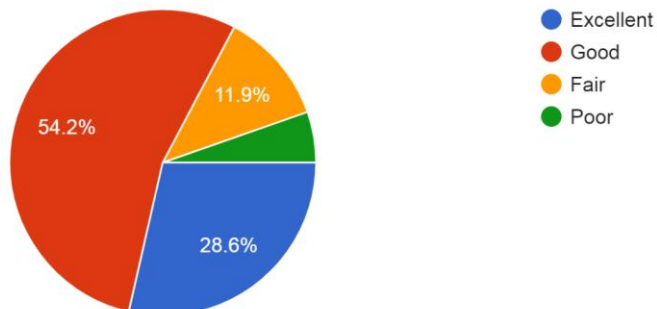
168 responses



● Excellent
● Good
● Fair
● Poor

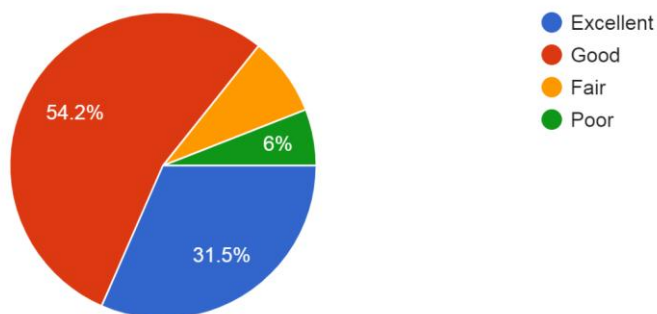
Faculty or Delivery of Content

168 responses



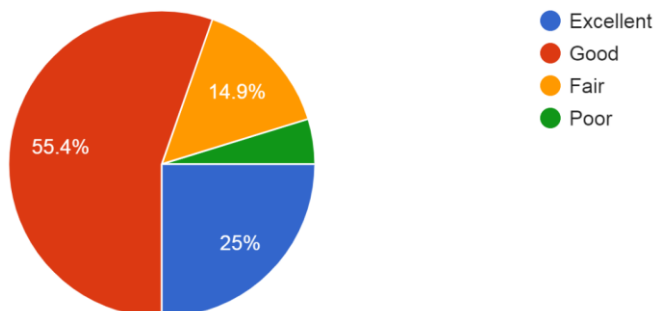
Vision & Mission is with current need

168 responses



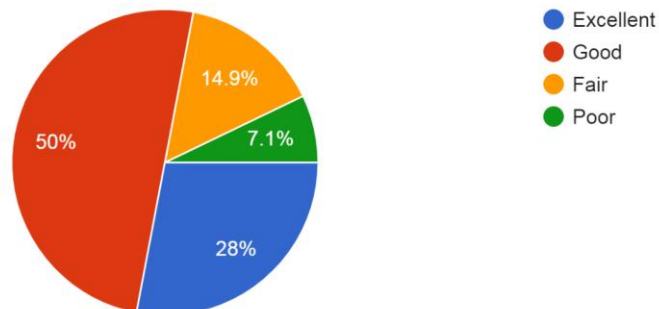
PO & PEO is with current need

168 responses



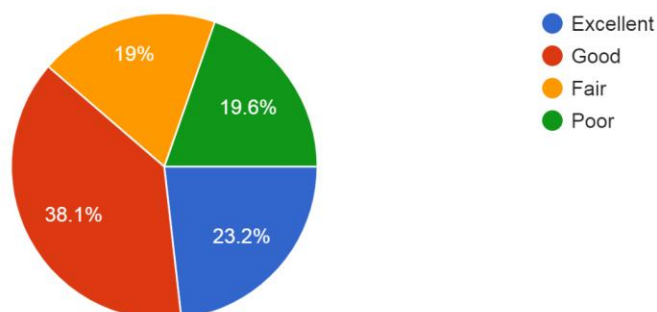
Co-Curricular Activities (seminars/Workshops/Lectures)

168 responses



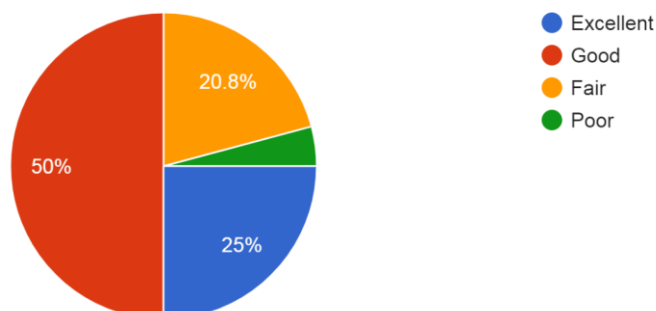
Extra-Curricular Activities (Cultural/Games/Competitions)

168 responses



Placement Drives

168 responses



Facilities: Corrective Measures Taken Based on Students Feedback		
S. No	Facilities	Measures Taken
1	College Campus	Feedback Satisfactory. To make college campus more vibrant so posters, messages, greenery etc. shall be increased.
2	Classroom Sitting Arrangement	Feedback Satisfactory.
3	Audio Visual Facilities	Feedback Satisfactory. College shall adopt New technologies in class room like Digital and interactive Board.
4	Lightening and Ventilation	Feedback Satisfactory.
5	Wi-Fi Facility	All the Broad band connection shall be changed with the Fibernet Connections.
6	Library Facility	Feedback Satisfactory College will add new editions/new titles of books in the library.
7	Accessibility to Books in Library	Feedback Satisfactory
8	Timing of Library	Feedback Satisfactory Library shall be open for Saturday and Sunday for students.
9	Sitting Arrangements in Library	Feedback Satisfactory New sitting arrangements for the staff and floor sitting arrangement to be made for the students.
10	Computational Facilities	Feedback Satisfactory
11	Timings of Computer Lab	Feedback Satisfactory
12	Wash Room	Feedback Satisfactory College shall take care of cleansing of washrooms.
13	Cafeteria	The new cafeteria was made in Pharmacy wing to cater the needs of students.
14	Boys Common Room	College shall made more facilities in the BCR.
15	Girls Common Room	Feedback Satisfactory In girls common room Sanitary Pad vending machine shall be installed.
16	Drinking Water Facility	Feedback Satisfactory
17	First Aid	Feedback Satisfactory
18	Parking	Feedback Satisfactory College shall made more shades for parking of vehicle
19	Co-Curricular Activities (Seminars/Workshops/Lectures)	Feedback Satisfactory Increase the number of Industrial Experts and Alumni's.
20	Placement Drives	Feedback Satisfactory College shall more focus on pre-interviews and mock interview preparations.

8.4. Self Learning (5)

- Our Library has adequate collection of books which includes text books, reference books course materials, laboratory manuals, scientific newsletters and reputed journals which facilitates self-learning in students. The library has internet facility that helps the students to access educational videos e-journals and other e-recourses.
- The reading room is kept open even after the college hours to facilitate self-learning by the students.
- All the study material, links for e-books, previous question papers, related videos and presentations are available on the college website www.copbela.org.
- Computer facilities are made available for the students with internet connection so that they get access to the information available online during the preparation of assignment and projects.
- Seminar halls and classrooms are provided with audio-visual aids which are utilized to undertake seminar and oral presentation.
- Seminar, guest lectures and workshops are conducted to complement academic syllabus which enable the students to expend their knowledge in the field of pharmacy.
- The students undertake minor research projects based on their area of interest involving experimental work and internship that provides an extended understanding about the subject. They are also encouraged to actively participate in health and environmental awareness programs that are conducted by NSS which would help them to enhance their professional skills.
- Museums in the institution provide a wealth of information for self learning.
- Communication skill development program conducted for the students in the beginning of their year that enhances its importance in their profession.
- Various NPTEL or online courses are infromed to students for learning the beyond the syllabus content.

The above mentioned facilities generate scientific interest, improve innovativeness and motivate self learning ability of the students.

8.5. Career Guidance, Training, Placement (10)

Our institute has a Training and Placement Cell that is dedicated to provide all possible assistance to students to achieve their career goals.

Composition of Training and Placement Cell

Committee	Members
Chairman	Dr. Shailesh Sharma, Director
Members	Dr. Sandeep Kumar Dr. Satnam Singh Dr. Monika Gupta Dr. Ajay Singh Kushwah (All HoD's of Department)
Member Secretary	Mr. Harsimran Singh (Placement Cell Co-ordinator) and Their office

Objectives

1. To help students in achieving their career goals.
2. To provide information and opportunities regarding placement to students.

Functions of Training and Placement Cell

1. To propagate information on different job and career related advertisements obtained from newspapers, internets and contact sources.
2. To organize career guidance workshops, seminar, pre-placement talks, presentation on emerging profession trends, Personality Development, Communication Skill, Interview Skill and Presentation Skill.
3. To organize campus interviews for better recruitment process.
4. To help students in identifying their strengths/weakness to plan their career.
5. To organize various guest lecture from eminent personalities and to create awareness about important o higher studies as shown in table below.

PLACEMENT SUPPORT

The placement cell organizes seminars on interview skills, personality development, and communication skills, leadership skills, resume writing, cover letter writing etc. in order to increase the enhances of employability of the students. Further the cell conducts on and off campus job interviews also.

Guidance for Higher Studies

The final year B.Pharm. students are motivated to participate in PG orientation program during 8th semester where HODs of all departments brief them regarding the scope of PG studies and opportunities available after successful completion of PG studies. The HoDs highlight their department strengths in research, publications, instruments etc. The final year projects also help the students to get oriented towards research and identify their potential field of expertise. Apart from this, various management experts are invited to deliver guest lectures which may help the students to think about other PG course like Management, Marketing, etc. Faculties are involved to give useful tips for the preparation of competitive exam like GPAT/Ilets.

Industry Interaction for Training

As a part of B.Pharm program the students have to undergo compulsory industrial training for 150 hours during their final year. Apart from this, the students undertake industrial tour where they are exposed to manufacturing and analysis of different dosage forms in pharmaceutical industries. Later they are required to submit a report on the visit to the Director.

8.6. Entrepreneurship Cell (5)

VISION AND MISSION OF ENTREPRENEURSHIP CELL

Vision

To be a well-recognized center of excellence for entrepreneurship development and create successful entrepreneurs among the students.

Mission

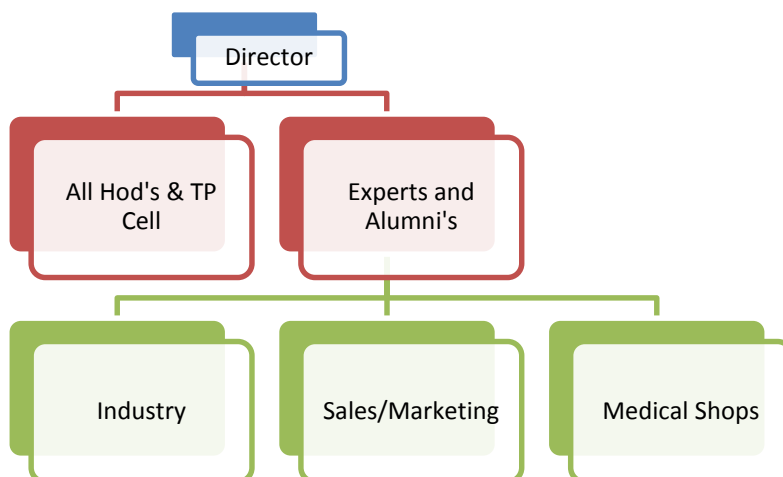
To promote the entrepreneurial thinking and facilitate business knowledge.

To develop aspiring entrepreneurs into motivated, ethical and dynamic business leaders.

Objectives

1. To inculcate the need and importance of Enterprise Development among the students.
2. To enable students to remain self-reliant in their employment.
3. To provide innovative technological and business ideas and connect them to peer mentors and incubators.
4. To provide the faculties and training for skill development with formal education.

5. To develop self-esteem of young entrepreneurs through mentorship and networks.



List of Entrepreneur

Academic Year 2017-21

S.No.	Roll No.	Name	Profession
1.	1721984	Naveen	Medical Shop
2.	1721991	Prabhjot Kaur	Medical Shop
3.	1721955	Gurinderpreet Singh	Medical Shop

Academic Year 2016-20

S.No.	Roll No.	Name	Profession
1	1623226	Karamjeet Singh	Medical Shop
2.	1623253	Harpreet Singh	Medical Shop
3	1623282	Simranpreet Kaur	Medical Shop

Academic Year 2015-19

S.No.	Roll No.	Name	Profession
1.	1527768	Taranjeet Singh	Medical Shop
2.	1527735	Kashish Miglani	Medical Shop
3.	1527740	Megha	Medical Shop
4	1527733	Karan Kathuria	Medical Shop

8.7. Co-curricular and Extra-curricular Activities (10)

The students are encouraged to actively participate in both co-curricular and extracurricular activities conducted in every academic year at Intra & Inter collegiate level as they have taken impact on students in shaping their overall personality development. All these activities are executed and conducted by the student under guidance of their respective faculty-in-charge in accordance with the calendar of events.

SPORTS

The students have taken part in various indoor and outdoor sports events and have won titles at both inter-collegiate. Every year Head of the Institution conducts sports committee meeting along with student representative for smooth conduct of sport activities. Challenges faced by the sport committee are brought to the notice of the Head of the Institutions for rectification.

CULTURAL

Cultural activities are conducted every academic year with the objective of motivating students to exhibit their hidden talents as well as to encourage team work. Cultural committee has been constituted within the institution, all the major events are well organized in the campus. Students are also encouraged to attend various intercollegiate and university level competitions that act as platform to exhibit their talents. The students actively participate in flash mobs, music, art, essay writing, debate competitions, and other events which are conducted at intra and inter college level to provide opportunities for students to explore the new field of interest and to exhibit their talent.

NSS

ASBASJSM College of Pharmacy actively organizes and participate in various extension activities with dual objectives of not only sensitizing students about various social issue but also contribute to community and strengthen their participation in community.

S.No.	Academic Year	Category	Name of Student	Roll No.	Class	Activity	Prize
1.	2018	Academics	Navni Sharma	1623301	M. Pharmacy	Poster presentation	2 nd
2.	2018	Sports	Jagmeet singh	1623258	B. Pharmacy	Taekwondo	Gold Medal
3.	2018	Academics	Akansha singh	1721941	B. Pharmacy	National Assay writing competition	2 nd
4.	2018	Cultural	Ramandeep Kaur	1721994	B. Pharmacy	Group Shabad	2 nd
5.	2018	Cultural	Gurinder Singh	1527716	B. Pharmacy	Group Shabad	2 nd
6.	2018	Cultural	Charankamal Saini	1623237	B. Pharmacy	Group Shabad	2 nd
7.	2018	Cultural	Jaskiran Kaur	1721967	B. Pharmacy	Group Shabad	2 nd
8.	2018	Cultural	Navneet Kaur	1623269	B. Pharmacy	Group Shabad	2 nd
9.	2018	Cultural	Prabhjot Kaur	1721988	B. Pharmacy	Group Shabad	2 nd
10.	2018	Cultural	Navjot Singh	1527748	B. Pharmacy	Play	1 st
11.	2018	Cultural	Prabhdeep Singh	1636973	B. Pharmacy	Play	1 st
12.	2018	Cultural	Neha Chandel	1813062	M. Pharmacy	Play	1 st
13.	2018	Cultural	Aakashdeep	1722028	M. Pharmacy	Play	1 st
14.	2018	Cultural	Sadhna Rawat	1721996	B. Pharmacy	Play	1 st
15.	2018	Cultural	Sarabjeet Kaur	1721998	B. Pharmacy	Play	1 st
16.	2018	Cultural	Kareena Basin	1813033	B. Pharmacy	Play	1 st
17.	2018	Cultural	Yudhvir Singh	1813033	B. Pharmacy	Play	1 st
18.	2018	Cultural	Gagandeep Singh	1527714	B. Pharmacy	Play	1 st
19.	2018	Cultural	Taranjeet singh	1527768	B. Pharmacy	Mimicry	1 st
20.	2018	Cultural	Jyoti	1722019	M. Pharmacy	Clay modelling	2 nd
21.	2018	Cultural	Akansha Singh	1721941	B. Pharmacy	Creative writing	2 nd
22.	2018	Cultural	Aakashdeep singh	1722028	M. Pharmacy	Play	Best Actor
23.	2018	Cultural	Kareena	1812997	B.Pharmacy	Play	Best Actress
			Neha		M.Pharmacy		
24.	2018	Cultural	Sahil	1721997	B. Pharmacy	Mime	1 st
25.	2018	Cultural	Yatin Bhanot	1623286	B. Pharmacy	Mime	1 st
26.	2018	Cultural	Mukesh Kumar	1721982	B. Pharmacy	Mime	1 st
27.	2018	Cultural	Aks	1623227	B. Pharmacy	Mime	1 st
28.	2018	Cultural	Akansha Singh	1721941	B. Pharmacy	Mime	1 st
29.	2018	Cultural	Sakshi	1735131	B. Pharmacy	Mime	1 st
30.	2018	Cultural	Gagandeep Singh	1527714	B. Pharmacy	Skit	1 st
31.	2018	Cultural	Aakashdeep	1722028	B. Pharmacy	Skit	1 st
32.	2018	Cultural	Taranjeet Singh	1527768	B. Pharmacy	Skit	1 st
33.	2018	Cultural	Deepak Shrivastar	1722006	B. Pharmacy	Skit	1 st
34.	2018	Cultural	Pralad Singh	1527753	B. Pharmacy	Skit	1 st
35.	2018	Cultural	Jaspreet Kaur	1812994	B. Pharmacy	Skit	1 st
36.	2018	Cultural	Jaspreet Kaur	1527730	B. Pharmacy	Light Indian vocal	2 nd
37.	2018	Cultural	Prachi	1527757	B. Pharmacy	Debate	3 rd
38.	2018	Cultural	Akansha Singh	1721941	B. Pharmacy	Debate	3 rd
39.	2018	Cultural	Rajkaranvir Singh	1527761	B. Pharmacy	Bhangra	1 st
40.	2018	Cultural	Lovepreet Singh	1527737	B. Pharmacy	Bhangra	1 st
41.	2018	Cultural	Harinder Singh	1623249	B. Pharmacy	Bhangra	1 st

42.	2018	Cultural	Navneet Arora	1527749	B. Pharmacy	Bhangra	1 st
43.	2018	Cultural	Jagmeet Singh	1623258	B. Pharmacy	Bhangra	1 st
44.	2018	Cultural	Navpreet Singh	1527751	B. Pharmacy	Bhangra	1 st
45.	2018	Cultural	Harpreet Singh	1623253	B. Pharmacy	Bhangra	1 st
46.	2018	Cultural	Sukhdeep Singh	1813026	B. Pharmacy	Bhangra	1 st
47.	2018	Cultural	Satnam Singh	1722026	M. Pharmacy	Bhangra	1 st
48.	2018	Cultural	Jaswinder Singh	1636968	B. Pharmacy	Bhangra	1 st
49.	2018	Cultural	Aradhna	1623232	B. Pharmacy	Poem Recitation	3 rd
50.	2018	Cultural	Damini Puri	1722005	M. Pharmacy	Collage making	2 nd
51.	2018	Cultural	Akansha Singh	1721941	B. Pharmacy	Western group song	2 nd
52.	2018	Cultural	Simranjeet Kaur	1636975	B. Pharmacy	Western group song	2 nd
53.	2018	Cultural	Kamalpreet Kaur	1721971	B. Pharmacy	Western group song	2 nd
54.	2018	Cultural	Mannat Agarwal	1721979	B. Pharmacy	Western group song	2 nd
55.	2018	Cultural	Yatin Bhanot	1323286	B. Pharmacy	Western group song	2 nd
56.	2018	Cultural	Aks	1622227	B. Pharmacy	Western group song	2 nd
57.	2018	Cultural	Parampreet Kaur	1527756	B. Pharmacy	Giddha	2 nd
58.	2018	Cultural	Simranjeet Kaur	1813046	B. Pharmacy	Giddha	2 nd
59.	2018	Cultural	Jaspreet Kaur	1813050	B. Pharmacy	Giddha	2 nd
60.	2018	Cultural	Sarabjeet Kaur	1623278	B. Pharmacy	Giddha	2 nd
61.	2018	Cultural	Mandeep Kaur	1527738	B. Pharmacy	Giddha	2 nd
62.	2018	Cultural	Har simranpreet Kaur	1527724	B. Pharmacy	Giddha	2 nd
63.	2018	Cultural	Maninderjeet Kaur	1527740	B. Pharmacy	Giddha	2 nd
64.	2018	Cultural	Gurpreet Kaur	1623247	B. Pharmacy	Giddha	2 nd
65.	2018	Cultural	Navjot Kaur	1722003	B. Pharmacy	Giddha	2 nd
66.	2018	Cultural	Ashanpreet Kaur	1623234	B. Pharmacy	Giddha	2 nd
67.	2018	Cultural	Navdeep Kaur	1813038	B. Pharmacy	Giddha	2 nd
68.	2019	Academics	Akansha Singh	1721941	B. Pharmacy	Essay Writing Competition	3 rd
69.	2019	Sports	37 Students		B. Pharmacy M. Pharmacy	Marathon	Participated
70.	2019	Cultural	Varinder Singh	1911601	B. Pharmacy	Light Indian vocal	1 st
71.	2019	Cultural	Akansha singh	1721981	B. Pharmacy	Western solo song	1 st
72.	2019	Cultural	Akanksha Singh	1721941	B. Pharmacy	Western group song	1 st
73.	2019	Cultural	Isha	1812993	B. Pharmacy	Western group song	1 st
74.	2019	Cultural	Kamalpreet Kaur	1721971	B. Pharmacy	Western group song	1 st
75.	2019	Cultural	Prabhjot Singh	1813016	B. Pharmacy	Western group song	1 st
76.	2019	Cultural	Yatin Bhanot	1323286	B. Pharmacy	Western group	1 st

						song	
77.	2019	Cultural	Aks	1623227	B. Pharmacy	Western group song	1 st
78.	2019	Cultural	Akanksha Singh	1721941	B. Pharmacy	Indian group song	2 nd
79.	2019	Cultural	Isha	1812993	B. Pharmacy	Indian group song	2 nd
80.	2019	Cultural	Kamalpreet Kaur	1721971	B. Pharmacy	Indian group song	2 nd
81.	2019	Cultural	Prabhjot Singh	1813016	B. Pharmacy	Indian group song	2 nd
82.	2019	Cultural	Yatin Bhanot	1323286	B. Pharmacy	Indian group song	2 nd
83.	2019	Cultural	Aks	1623227	B. Pharmacy	Indian group song	2 nd
84.	2019	Cultural	Navneet Kaur	1623269	B. Pharmacy	Shabad singing	2 nd
85.	2019	Cultural	Gurwinder Singh	191633	B. Pharmacy	Shabad singing	2 nd
8.	2019	Cultural	Gurneet Kaur	162345	B. Pharmacy	Shabad singing	2 nd
87.	2019	Cultural	Jaskiran Kaur	1721967	B. Pharmacy	Shabad singing	2 nd
88.	2019	Cultural	Prabhjot Kaur	1721988	B. Pharmacy	Shabad singing	2 nd
89.	2019	Cultural	Charankamal Saini	1623237	B. Pharmacy	Shabad singing	2 nd
90.	2019	Cultural	Harinder Singh	1623249	B. Pharmacy	Bhangra	3 rd
91.	2019	Cultural	Simarpreet Singh	1813023	B. Pharmacy	Bhangra	3 rd
92.	2019	Cultural	Navpreet Singh	1527751	B. Pharmacy	Bhangra	3 rd
93.	2019	Cultural	Sukhdeep Singh	1813026	B. Pharmacy	Bhangra	3 rd
94.	2019	Cultural	Amandeep Singh	1812978	B. Pharmacy	Bhangra	3 rd
95.	2019	Cultural	Harpreet Singh	1623253	B. Pharmacy	Bhangra	3 rd
96.	2019	Cultural	Jaswinder Singh	1623257	B. Pharmacy	Bhangra	3 rd
97.	2019	Cultural	Harshdeep Singh		B. Pharmacy	Bhangra	3 rd
98.	2019	Cultural	Jagmeet Singh	1623258	B. Pharmacy	Bhangra	3 rd
99.	2019	Cultural	Kamaljeet Singh	1812995	B. Pharmacy	Bhangra	3 rd
100.	2019	Cultural	Aradhna	1623232	B. Pharmacy	Short story	3 rd
101.	2019	Cultural	Jagjodh Singh	1911561	B. Pharmacy	Folk song	1 st
102.	2019	Cultural	Jagjodh Singh	1911561	B. Pharmacy	Vaar singing	1 st
103.	2019	Cultural	Mohit Bhandhari	1623267	B. Pharmacy	Vaar singing	1 st
104.	2019	Cultural	Ankita Rana	1623230	B. Pharmacy	One act play	1 st
105.	2019	Cultural	Amandeep Kaur	1721942	B. Pharmacy	One act play	1 st
106.	2019	Cultural	Shivani	1722001	B. Pharmacy	One act play	1 st
107.	2019	Cultural	Akash Memami	1911545	B. Pharmacy	One act play	1 st
108.	2019	Cultural	Kareena Bhasen	1812997	B. Pharmacy	One act play	1 st
109.	2019	Cultural	Jaspreet Kaur	1812994	B. Pharmacy	One act play	1 st
110.	2019	Cultural	Raman Kumar	1813040	B. Pharmacy	One act play	1 st
111.	2019	Cultural	Gurpreet Singh Randhawa	1911611	B. Pharmacy	One act play	1 st
112.	2019	Cultural	Sahil	1721997	B. Pharmacy	Mime	1 st
113.	2019	Cultural	Yatin Bhanot	1623286	B. Pharmacy	Mime	1 st
114.	2019	Cultural	Mukesh Kumar	1721982	B. Pharmacy	Mime	1 st
115.	2019	Cultural	Aks	1623227	B. Pharmacy	Mime	1 st
116.	2019	Cultural	Akansha Singh	1721941	B. Pharmacy	Mime	1 st
117.	2019	Cultural	Sakshi	1735131	B. Pharmacy	Mime	1 st
118.	2019	Cultural	Navjot Kaur	1722003	B. Pharmacy	Giddha	1 st

119.	2019	Cultural	Simranjeet Kaur Lohat	1813046	B. Pharmacy	Giddha	1 st
120.	2019	Cultural	Gurpreet Kaur	1623247	B. Pharmacy	Giddha	1 st
121.	2019	Cultural	Gurpreet Kaur	1623247	B. Pharmacy	Giddha	1 st
122.	2019	Cultural	Mandeep Kaur	1527738	B. Pharmacy	Giddha	1 st
123.	2019	Cultural	Sheenam Miglani	1911594	B. Pharmacy	Giddha	1 st
124.	2019	Cultural	Jasleen Kaur	1911564	B. Pharmacy	Giddha	1 st
125.	2019	Cultural	Jasmine Randhawa	1911565	B. Pharmacy	Giddha	1 st
126.	2019	Cultural	Harleen Kaur	1721960	M. Pharmacy	Giddha	1 st
127.	2019	Cultural	Navdeep Kaur	1813038	M. Pharmacy	Giddha	1 st
128.	2019	Cultural	Hardeep Kaur	1721957	M. Pharmacy	Giddha	1 st
129.	2019	Cultural	Amritpal Kaur	1813058	M. Pharmacy	Giddha	2 nd
130.	2019	Cultural	Jaspreet Kaur	1812994	B. Pharmacy	Skit	2 nd
131.	2019	Cultural	Pushpinder Singh	1911641	B. Pharmacy	Skit	2 nd
132.	2019	Cultural	Gurpreet Singh Randhawa	1911611	B. Pharmacy	Skit	2 nd
133.	2019	Cultural	Raman Kumar	1813040	B. Pharmacy	Skit	2 nd
134.	2019	Cultural	Rohit Singh	1911587	B. Pharmacy	Skit	2 nd
135.	2019	Cultural	Sahil	1833769	B. Pharmacy	Skit	2 nd
136.	2019	Cultural	Abhinav Gupta	1812974	B. Pharmacy	Mimicry	2 nd
137.	2019	Cultural	Naina	1813037	B. Pharmacy	Mehndi	2 nd
138.	2019	Cultural	Seema Sharma		B. Pharmacy	Mehndi	2 nd
139.	2019	Cultural	Akansha Singh	1721941	B. Pharmacy	Elocution	2 nd
140.	2019	Cultural	Gurpreet Kaur	1623247	B. Pharmacy	Best dancer	
141.	2019	Cultural	Shivani	1722201	B. Pharmacy	Best Actress	
142.	2019	Cultural	Akansha Singh	1721981	B. Pharmacy	Best Participant	
143.	2020	Academics	Akansha Singh	1721981	B. Pharmacy	Essay Writing Competition	3 rd
144.	2021	Academics	Gurpreet kaur	2010001	Phd	Poster making category in international E-conference	1 st
145.	2021	Academics	Akansha Singh	1721981	B. Pharmacy	Essay Writing Competition	1 st
146.	2022	Academics	Manish panchal	214724	M.Pharmacy	Poster presentation	3 rd
147.	2022	Academics	Manish panchal	214724	M.Pharmacy	Best paper award	1 st





Self-Assessment for Criterion 08

S. No.	Assessment Parameters	Marks	
		Prescribed	Institute
8	Student Support Systems	50	49.00
8.1	Mentoring system to help at individual levels	05	05
8.2	Feedback analysis and reward /corrective measures taken, if any	10	10
8.3	Feedback on facilities	05	4.75
8.4	Self Learning	05	05
8.5	Career Guidance, Training, Placement	10	9.25
8.6	Entrepreneurship Cell	05	05
8.7	Co-curricular and Extra-curricular Activities	10	10
	Total Marks	50	49
	Percentage	98.00%	



Self-Assessment Report 2022

For

Undergraduate Pharmacy Program

Criterion -09

Governance, Institutional Support and Financial Resources



AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL
COLLEGE OF PHARMACY
(AN AUTONOMOUS COLLEGE)

BELA (Ropar) Punjab 140 111

www.copbela.org



CRITERION 9	Governance, Institutional Support and Financial Resources	100
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9. Governance, Institutional support and Financial Resources (100)

9.1. Organization, Governance and Transparency (50)

9.1.1. Governing body, administrative setup, functions of various bodies, service rules procedures, recruitment and promotional policies (10)

The administrative setup of the institute is in conformation with the guidelines from UGC, AICTE and PCI with Pharmacy Management Committee, Board of Governors (BoG) at the helm. Other bodies, committees, sub-committees, etc. at institute level make the set-up decentralized one with appropriate authority delegated at different levels. Various committees in force are furnished in subsequent sub sections.

Frequency of the Meeting: Atleast Twice in a Academic Year.

Minutes of Meetings: available on the college website www.copbela.org

Following organogram gives a glimpse into the same:

A. GOVERNING BODY

Responsibilities

- Guide the college while fulfilling the objectives and mission for which the college has been granted autonomous status.
- Ensure the educational quality of institution and its academic programs.
- Preserve and protect the institutional autonomy and academic freedom.
- Approve new programmes of study leading to award of degrees and/or diplomas.
- Fix the fees and other charges payable by the students of the college on the recommendations of the Finance Committee.
- All recruitments of Teaching Faculty/Principal shall be made by the Governing Body/state government as applicable in accordance with the policies laid down by the UGC and State

Government from time to time.

- Institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendations of the Academic Council
- To approve annual budget of the college before submitting the same at the UGC.
- Perform such other functions and institute committees, as may be necessary and deemed fit for the proper development of the college.
- Ensure that institutional policies and processes are current and properly implemented.

Governing body will be as follow

S. No	Name	Designation
1	Capt. M. P. Singh	Chairman
2	Dr. B.S. Bola	President
3	S. Sukhwinder Singh	Member
4	S. Jagwinder Singh	Member
5	S. Devinder Singh Jattana	Member
6	Dr. Kripal Singh	Educationist
7	Dr. Neeraj Upmanyu	UGC Nominee
8	Er. Sham Goyal	Pb. Govt. Nominee
9	Dr. Balkar Singh	Director, College Development, IKGPTU Kapurthala
10	Dr. Sandeep Kumar	Faculty Member
11	Dr. Monika Gupta	Faculty Member
12	Dr. Shailesh Sharma	Ex-officio Member

B. ACADEMIC COUNCIL

Responsibilities

- Scrutinize and approve the proposals with or without modification of the Board of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it shall have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
- Make regulations regarding the admission of students to different programmes of study in the college keeping in view the policy of the Government.
- Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.
- Recommend to the Governing Body proposals for institution of new programmes of study.
- Recommend to the Governing Body about institution scholarships, studentships, fellowships, prizes and medals, and to frame regulations for the award of the same.
- Advise the Governing Body on suggestions(s) pertaining to academic affairs framed by it.
- Perform such other functions as may be assigned by the Governing Body.

Academic Council will be as follow

S. No	Name	Designation
1	Prof. (Dr.) Shailesh Sharma	Director and Chairman
2	Prof. (Dr.) Vikas Chawla	Dean Academics (University Nominee)
3	Dr. Gaurav Bhargava	Dean Research and Development (University Nominee)
4	Dr. Neel Kanth Grover	Dean Student Welfare (University Nominee)
5	Prof. (Dr.) G. D. Gupta	Expert
6	Prof. (Dr.) Manish Goswami	Expert
7	Dr. Satwant Kaur Shahi	Expert
8	Dr. Mamta Arora	Expert
9	Dr. Sandeep Kumar	HOD Pharmaceutics
10	Dr. Monika Gupta	HOD Pharmaceutical Chemistry
11	Dr. Satnam Singh	HOD Pharmacognosy
12	Dr. A. S. Kushwah	HOD Pharmacology
13	Dr. Suman Iata	Faculty Member
14	Dr. Richa Gupta	Faculty Member
15	Dr. Rahul Sharma	Faculty Member
16	Ms. Punam Gaba	Faculty Member

C. BOARD OF STUDIES

Responsibilities

- Prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and national/domestic requirement for consideration and approval of the Academic Council;
- Suggest methodologies for innovative teaching and evaluation techniques;
- Suggest panel of names to the Academic Council for appointment of examiners; and
- Coordinate research, teaching, extension and other academic activities in the department/college.

Board of Studies will be as follow

S. No	Name	Designation
1	Dr. Shailesh Sharma	Director and Chairman
2	Dr. Satwinder Kaur	Vice-Chancellor Nominee
3	Dr. Gurfateh Singh	Subject Expert
4	Dr. Bharat Parashar	Subject Expert
5	Ms. Monika Sharma	Industry representative
6	Dr. Rahul Taneja	Alumnus
7	Dr. Sandeep Kumar	Professor, Pharmaceutics
8	Dr. Monika Gupta	Professor, Pharm. Chem.
9	Dr. Satnam Singh	Professor, Pharmacognosy
10	Dr. A. S. Kushwah	Professor, Pharmacology

D. FINANCE COMMITTEE

Responsibilities

- The Finance Committee shall act as an advisory body to the Governing Body, to consider:
- Budget estimates relating to the grant received/receivable from UGC, and income from fees, etc. collected for the activities to undertake the scheme of autonomy; and
- Audited accounts for the above.

Finance Committee will be as follow

S. No	Name	Designation
1	Dr. Shailesh Sharma	Chairman
2	Dr. S. S. Walia	Finance Officer
3	S. Sukhwinder Singh	Member
4	Dr. Monika Gupta	Faculty Member

ANTI-RAGGING COMMITTEE AND ANTI-RAGGING SQUAD

- To ensure that there is no ragging in the campus or hostel.
- Arrange periodical and surprise visits to hostels/canteen by squad members.
- Monitor anti-ragging activities in the institution, considers the recommendation of anti-ragging squad and to take appropriate decisions.
- Implementation of government directives against ragging.
- Documentation of action taken by the committee.

Anti-Ragging Committee

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	9888775589	director@copbela.org
2	Dr. Satnam Singh	Professor	9914544768	Drssb13pu@gmail.com
3	Dr. A.S. Kushwah	Professor	9888377383	kushwah_ph05@yahoo.co.in
4	Dr. Rahul Sharma	Asstt. Prof.	9461551680	Buntyrahul177@gmail.com
5	Ms. Punam Gaba	Asstt. Prof.	9872959113	Punam_gaba@yahoo.co.in
6	Mr. Satnam Singh	Asstt. Prof.	9876817548	Satnamsaini09@yahoo.com
7	Mr. Sukhwinder Singh	Office Superintendent	9878830274	Sukhi_bela@rediffmail.com

Anti-Ragging Squad

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Sandeep Kumar	Professor	9988151592	sandeep_pharm70@yahoo.com
2	Dr. Monika Gupta	Professor	8146891785	monikaguptaa@gmail.com
3	Dr. Neelam Sharma	Asstt. Prof.	8699942255	pharmneelam@gmail.com
4	Dr. Richa Gupta	Asso. Prof.	9041393001	rgcognosy@gmail.com
5	Mr. Harsimran Singh	Asstt. Prof.	9592498889	harsimransinghjattana@gmail.com
6	Mr. Devinder Kumar	Asstt. Prof.	9857278065	devinderkumar1994.dk@gmail.com
7	Ms. Manpreet Kaur	Asstt. Prof.	7347230446	sainimanpreetkaur13@gmail.com

INDUSTRY INSTITUTE INTERACTION CELL AND STUDENT COUNSELLING COMMITTEE

- To interact with industry and different prestigious institutes to facilitate students and faculty with better facilities.
- To make efforts for training and placements of students in different industries and institutes.
- To counsel students for better future planning in various aspects.
- To solve queries of students regarding training, placement or higher studies.
- To document record of students placed and other activities related to industry institute interaction.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	98887-75589	shailesh.bela@gmail.com
2	Mr. Harsimran Singh	Admission and Placement Officer	9592498889	harsimranjattana@gmail.com
3	Dr. Rahul Kumar Sharma	Asstt. Prof.	9461551680	Buntyrahul177@gmail.com
4	Mr. Baljeet Singh	ALUMNI	94645-22048	singhbaljeet8688@gmail.com

ALUMNI COMMITTEE

- To interact with students who have passed out during previous years and are now working in different area of pharmaceutical field.
- To arrange and organize alumni meet from time to time.
- To convey the experiences of alumni to current students so that they can learn and achieve more.
- To maintain record of alumni of college and alumni meets.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Satnam Singh	Professor	99145-44768	pharmacist_satnam@rediffmail.com
2	Ms. Punam Gaba	Asstt. Prof.	98729-59113	punam_gaba@yahoo.co.in
3	Ms. Kamaljeet Kaur	Asstt. Prof.	94630-75626	kamalkhurana9072@gmail.com

MEDICINAL PLANT GARDEN & MUSEUM COMMITTEE

- To maintain medicinal plant garden and museum.
- To arrange different species of plants that are required for practical exposure to students.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Satnam Singh,	Professor	99145-44768	pharmacist_satnam@rediffmail.com
2	Dr. Richa Gupta	Asso. Prof.	90413-93001	richa25_gupta@yahoo.com
3	Ms. Navjit Kaur	Asstt. Prof.	98150-06196	Navjit009saini@yahoo.com

ANIMAL HOUSE COMMITTEE

- To keep record of animals procured, animals used in experimental work and animals sacrificed.
- To maintain proper living conditions and health of animals.
- To arrange animals for students from various sources and help in approval of animals from CPSEA to students for experimental work.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. A.S. Kushwah	Professor	98883-77383	kushwah_ph05@yahoo.co.in
2	Dr. Rahul Kumar Sharma	Asstt. Prof.	94615-51680	Buntyrahul177@gmail.com
3	Ms. Sapna Kumari	Animal House Attd.	94783-86528	-----

CULTURAL AND SOCIAL COMMITTEE

- Plan events prior to the commencement of academic year.
- Organize all intra and inter collegiate cultural events.
- Encourage student's participation in all cultural events with necessary guidance.
- Arranging logistics like speakers, mike and other articles for running events.
- Documentation of all events and publishing them in college website.
- To procure instruments necessary to organize cultural activities.
- To provide awards/certificates to students who excel in state level / national level cultural activities.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Mr. Satnam Singh	Asstt. Prof.	9876817548	Satnamsaini09@yahoo.com
2	Ms. Simranjit Kaur	Asstt. Prof.	8146532950	Jeetlohat1997@gmail.com
3	Mr. Harsimran Singh	Asstt. Prof.	95924-98889	harsimranjattana@gmail.com
4	Ms. Gurminder Kaur	Asstt. Prof.	9465661439	Gurminderbanwait91@gmail.com
5	Ms. Manpreet Kaur	Asstt. Prof.	95923-78971	pharmacist_money87@yahoo.com
6	Ms. Harpreet Kaur	Asstt. Prof.	99144-38741	Harpreetsaini7july@gmail.com

RESEARCH COMMITTEE

- To promote research activities among students and faculty.
- To make annual research planner for postgraduate students.
- To notify and conduct various research presentations of students throughout year.
- To help students and faculty publish research work and presentation at national and international level.

To keep record of various awards won and presentations made by students and faculty at national and international level.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	9888775589	shailesh.bela@gmail.com
2	Dr. Richa Gupta	Asso. Prof.	90413-93001	richa25_gupta@yahoo.com

SPORTS COMMITTEE

- Promote sportive spirit in students by organizing interclass/intercollegiate sports.
- Encourage student participations by arranging inter and intra institutional events.
- Promote the culture of participation in state level and national level events by providing financial assistance to students.
- Maintaining GYM equipment, material and accessories in good condition, preserving sports goods and encouraging student's utilization.
- To procure sports / gym / games equipment as per the requirement of students /staff.
- Documentation of the events conducted.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Mr. Pritpal Singh	Asstt. Prof.	9914436900	copbela@rediffmail.com
2	Mr. Harsimran Singh	Asstt. Prof.	95924-98889	harsimranjattana@gmail.com
3	Ms. Baljeet Kaur	Asstt. Prof.	84272-77519	Kaurbaljeet32@gmail.com

WOMEN CELL AND ANTI-SEXUAL HARASSMENT COMMITTEE

- Women's cell is to empower women and to ascertain multidisciplinary approach for the overall personality development.
- It provides and maintains a dignified congenial working environment for women employees and students where they can grow, study and explore their potential to the fullest.
- Women's cell organizes various training programmes and creates awareness about self-employment schemes for the encouragement of self-reliance among women.
- It encourages involvement in cultural and outreach activities such as lectures, seminars, workshops and poster-making.
- Women's cell supports the talent and contribution of women.
- Review and resolve the reported grievances against women immediately and documentation of all grievances reported and resolved.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Monika Gupta	Professor	81468-91785	monikaguptaa@gmail.com
2	Dr. Suman Lata	Asso. Prof.	94639-09206	suman14_lata@yahoo.com
3	Dr. Neelam Sharma	Asstt. Prof.	86999-42255	neelam_sharma28@yahoo.co.in
4	Mrs. Monica Banger	Librarian	94650-34728c	copbela@rediffmail.com

SC / ST WELFARE COMMITTEE

- Create awareness among the students/staff of all programmes about the existence of SC/ST counselling committee in the institution.
- To ensure that there is no incidence of discrimination of SC/ST students in the premises
- Encourage the active participation of SC/ST students in institutional activities
- Create awareness among students on educational schemes and scholarships provided by central government and state government and the institution.
- To address and resolve the reported grievances against SC/ST students and faculty immediately and documentation of all grievances reported and resolved.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	98887-75589	shailesh.bela@gmail.com
2	Dr. Satnam Singh	Professor	99881-51592	sandeep_pharm70@yahoo.com
3	Dr. Suman Lata	Asso. Prof.	94639-09206	suman14_lata@yahoo.com

STUDENT TEACHER GUARDIAN COMMITTEE

- Student Teacher Guardian Committee is assigned to plan and carry out specified activities and projects.
- The committee improves student teacher relationships and promotes an orderly direction of all the institutional activities.
- The committee provides the students with the opportunity to develop their decision making and leadership skills.
- The student council helps to share student ideas, interest problem and concerns with the faculty and principal.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	98887-75589	shailesh.bela@gmail.com
2	Dr. Suman Lata	Asso. Prof.	94639-09206	suman14_lata@yahoo.com
3	Ms. Rmanjit Kaur	Asst. Prof.	95305-52119	ramanjitsaini98@yahoo.com

PRESS & MEDIA/ NEWS LETTER COMMITTEE

- Publish of academic, co-curricular, research activities and sharing knowledge among the stakeholders of COP-BELA.
- Stays connected with community and receive feedback for a better tomorrow.
- Focus and communicate the advancements and achievements of the institution towards academic and social integrity.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	98887-75589	shailesh.bela@gmail.com
2	Ms. Gurminder Kaur	Asstt. Prof.	9465661439	gurminderbanwait91@gmail.com
3	Ms. Baljeet Kaur	Asstt. Prof.	84272-77519	kaurbaljeet32@gmail.com

GENERAL RULES FOR STAFF MEMBERS

ETHICAL STANDARDS FOR TEACHERS

A Teacher

- Shall live and lead by example in every sphere of conduct particularly to inculcate a culture in students to respect parents, teachers and elders.
- To express the love of brotherhood to fellow students.
- To accept and extend due respect to every religion and social grouping.
- To love the nation and commit their endeavors to her progress.
- Shall have a sense of belonging to the institution.
- Shall assume total dedication to the teaching profession.
- Shall always have an urge to excel in professional expertise.

A Teacher

- Shall wear a respectable attire, befitting the society's expectations.
- Shall keep up immaculate personal hygiene at all times.
- Shall never appear untidy, through style of dressing, grooming of hair or in respect of any other ornament one wears.
- Shall never have the habit of chewing, smoking or consumption of alcoholic drinks.
- Shall never gossip or discuss unauthentic information with peers or other members of public which might provoke a sensation or ill feeling of any sort.

A Teacher

- Shall always listen to students with concern, whether it be in respect of doubts in lessons or it be relating to any personal help.
- Shall always motivate the students by giving them a feeling of comfort and encouraging their enthusiastic expressions.

A Teacher

- Shall attend to parents as a true representative of the Institution, clarify their doubts with concern and help them understanding the system in a better manner.
- Shall confer with them on any special problem pertaining to their wards, assist them in solving the problem and guiding them properly on how and who to approach for further help.
- Shall always give the parents authentic and correct information and never enter into any form of gossiping either relating to the college or of fellow teachers, student or any other member of society.

A Teacher

- Shall always accept the entity of fellow teachers, honor their sentiments and respect their value system.
- Shall always endeavor to assist fellow teachers, either in their teaching practice or in any form of adjustment required for discharging their responsibilities.

Dress

- All employees shall be dressed appropriately at all occasions. Uniform where applicable should be worn with pride.
- All employees will wear Identity Cards at College Campus.

Punctuality

- All employees shall be punctual to their duties and shall strictly adhere to the College timings. All work/classes/meetings should start and end on time.
- All the employees shall strictly obey the instructions and circulars issued by the authorities from time to time.
- Teachers shall be at the allotted classroom at the schedule time without any exception.
- Every teacher shall take attendance at the beginning of the teaching hour.
- Every teacher shall close the hour punctually at the end of the hour
- A teacher finding a student committing any act of misconduct in the class or in the premises, shall immediately take appropriate action, which shall be taking correctional action fit is within his/her power or reporting the matter to the Director.

- Every staff member shall attend all the departmental and institutional functions and carry out responsibilities assigned by employing best of their skills and attention. It is mandatory to attend functions on August 15 (Independence Day) and January 26 (Republic Day).
- Faculties and Staff members shall not receive gifts of any kind from the students or their parents for any favoritism.
- Teachers shall maintain a respectable work conduct in terms of
 - Preparation for the particular day's classes, with latest information added to earlier course content.
 - Keeping all teaching and material required for conducting the class in an orderly manner.
 - Going according to session plan for the day and completing the syllabus for the semester without any backlog.
 - Following up assignments and tests given to students, evaluating on time and giving feedback to the students.
 - Ensuring the orderly arrangement of class room and its cleanliness with the help of students and the cleaning staff, wherever appropriate.
 - Obtaining prior sanction for leave of absence and forewarning the students of such absence as a measure of courtesy.
- Teachers shall observe good personal conduct in terms of
 - Not using any abusive language towards students, fellow teachers, parents and other members of public.
 - Not entering into quarrels, fights or any act of disrespectful nature.
 - Not engaging in any activity / business inside the college premises including money lending, canvassing for the sale of any articles or distribution of any commodity.
 - Not to affiliate with any political organization, which might cause conflict of interest with the duties of a teacher and the reputation of the institution.

Discipline

- Any staff member who is violating the code of conduct defined in this manual will be subjected to appropriate disciplinary action by the Director/Chairman.
- If a staff member commits an act of misconduct or misdealing or by violating the code of conduct, anyone can report in writing to the Director.
- The Director shall hold a preliminary enquiry on the matter, by calling the person on whom the report is given, as quickly as possible and such enquiry shall be held in presence of the complainant.
- If the Director is satisfied with the facts of the Complaint on such enquiry, he shall proceed with the disciplinary process, depending upon the veracity of such violation.
- He shall proceed with issuing a Show Cause Notice, fully describing the offence and the action proposed to be taken, giving sufficient time for the accused teacher for giving his/her explanation.
- On receipt of the explanation, or after the expiry of the time stipulated for submission of explanation, the Director shall go through the merit of the explanation and decide on the course of action, which may include a punishment.
- The course of action for disciplining a teacher shall be under the following categories:
 - Warning in writing, with recovery of amount, where financial loss is involved in the act.
 - Suspension from work without remuneration.
 - Dismissal or discharge from service.
- Where the punishment proposed is in the categories above, the Director herewith constitute a one/two man court of domestic enquiry to go into details in the presence of the accused, giving fair opportunity to the accused to present his/her case, observing principle of natural justice.
- The Director shall report the proceeding periodically to the Chairman.

GUIDELINES ABOUT GENERAL LEAVES

1. Leave Sanction Authority for Director will be Chairman. For rest of teaching and non-teaching staff, Director will be the authority for the same.
2. HOD and Associated HOD will not be entitled for leave in same duration. Presence of at least one of them should be ensured for smooth functioning of all departments.
3. There will be 10 Casual Leaves (CL) in one year (Jan. to Dec.) for regular faculty members.

4. There will be 10 Sick/Medical leaves (ML) in one year (Jan. to Dec.) for regular faculty members who have completed one year of service in college.
5. Total number of CL available will be counted on quarterly basis. No advance CL will be given, if no balance CL remains Available leave will be treated as LWP.
6. During probation period, leave will be given on pro data basis i.e. maximum 1 CL after service of every month.
7. List of holidays in accordance with IKGPTU will be announced well in advance at the start of academic session and will be applicable for the period.
8. The leave admissible under this shall be exclusive of all holidays declared by IKGPTU. In the event of change in date(s) of the holiday(s) announced by IKG-PTU through the media, then the college shall automatically observe the subject holiday(s) accordingly by informing in advance through internal circular.
9. Faculty members going on leave must arrange for the adjustment of their lectures, research guidance of PG/Ph.D. students, committee, departmental activity and other responsibilities. Concerned HOD/Academic I/C will make sure to check and follow such alternate arrangements during the leave period. Substitute faculty, who has taken responsibility in case of absence of applicant will not be entitled for leave in the said duration.
10. Irrespective of number of leaves taken, total no. of classes (theory and practical) taken by concerned faculty should be strictly as per norms of regulatory bodies. In case of lesser classes, faculty will conduct extra classes beyond the time table to ensure fulfillment of norms.
11. The faculty members availing leave will mention his/her address and contact numbers during the leave period.
12. Informing on phone should be strictly avoided unless and until it is very urgent. All such cases shall be sent to Director for final decision.
13. Before availing CL, application should be duly forwarded by concerned HOD and Academic I/C and approved by the Director at least ONE days before the date of leave required.
14. Higher study/QIP leave will be sanctioned by prior notice form staff member and with approval of Chairman/Director.
15. Those who are in examination duty and wish to take leave shall also get forward their application through Exam Superintendent and duly approved by the Director.

16. Prior sanction of the leave is must and any unapproved absence will lead to deduction of double the leaves from the balance CL of respective faculty. Such leaves will be marked as leave without pay (LWP).
17. Faculty member has to report Director prior to joining the duty on subsequent working day otherwise he will be treated absent. After allotted balance of 10 days for CL, salary of single day will be deducted for each of next 5 approved LWP. After which, salary equal to two days will be deducted up to next 5 LWP.
18. A Show-cause notice will be issued upon availing 10 such LWP and suitable action will be taken by the management on unsatisfactory reply.
19. If any member avails any leave immediately before and after the declared holidays/Vacation, the leaves of the holidays/vacation, the leaves of the holidays/vacations will be counted as his/her CL.
20. The timing for half day leave will be 9.15 am to 1.30 pm for early half and 1.30 pm to 4:45 pm for later half. Half day leave should also be duly approved as per procedure laid down for CL.
21. In calculating leave, fraction of leave of less than or equal to half a day shall be treated as half day's leave.
22. In any emergency, all teaching /non-teaching staff members should avail a late leave (Yellow card) of Half-an-Hour twice in a month.
23. In special cases, all teaching /non-teaching staff members should submit a 'Gate Pass' duly signed by Director to security officer if leaving campus early or for a short time. Report shall be sent to Director by security officer of person failing to do it. Such activities will not be considered on a regular basis.
24. Staff member are expected to come and leave the campus as per decided schedule and timings. Early leaving and late coming for 3 days will lead to deduction of one CL from the balance.
25. Medical Leave which is not consumed by staff members in one academic year will be added at the end on next academic year ML.
26. Staff members are expected not to take more leaves during ongoing session smooth functioning. It will be appreciated if non-academic period is utilized for availing leave.
27. Compensatory leave will be given time to time to the staff members if they will be called for activities like admission campaigning and any other work of institute's interest. HOD's/event organizing team/respective co-ordinator will forward names of faculty members involved to Director within 7 days of completion. Final decision will be taken by Director/Management in such cases. On duty assignments for first day on holiday/vacation will not be accounted for compensatory leave.

28. No compensatory leave will be given for the purpose of Inspection by regulatory bodies. All faculty members must ensure their presence during the same as per requirement.
29. Project Research Fellows will be admissible to no. of leaves as per rules of funding agency on quarterly basis.
30. Maternity Leave: The 1.5 month paid maternity leave will be sanctioned upto 3 months to 6 months for regular women employee. If a woman adopts a child under the age of 3 months, then she is eligible for a 1.5 month paid leave upto 3 months.
31. The unavailed leave shall not be taken into consideration in computing the period of any notice required to be given before discharge or dismissed.
32. A Show-cause will be issued upon absence of 7 days or more without prior information and approval and if not replied by the staff member within next 7 days, services will be terminated, without prejudice to any reasons what so ever. Such period will not included in his served duration also.
33. The Director/Management reserves the right to call back any member from leave if so required balance CL, not availed due to this will be adjusted accordingly.
34. In case of any medical emergency/special circumstances, Management Committee will take the final decision on application by staff member.
35. The Management reserves the right to relax any of the rules stated above in interest of the college on a case to case basis. Such considerations should not referenced in future by any other staff member or Decision of Director in consultation with Management will be final in case of any dispute.

Recruitment Policies

Human Resource Planning

- The Director shall assess the staff requirement in the month of April every year or at the time of post vacant for the subsequent academic year.
- Director will obtain the staff requirement lists from all the heads of the department/Time Table Co-coordinator and arrive at the number of faculty members and administrative staff required with the following guidelines in mind.
- The teacher student ratio shall be 1:15 and for this purpose the Professor shall also be included in counting the number of teachers.

- Director will appoint a selection committee for recruitment in each discipline, composed of the HOD, one senior staff member and the Department's Advisors/Experts. University experts will be taken as per University norms.

Recruitment

- The selection committee shall prepare a job description and job specification for the candidates to be recruited.
- The committee shall augment candidature from any or all of the following sources:
 - Advertisement in the Newspaper
 - Files maintained for storing the unsolicited applications
 - Internet and e-mail.
- The committee deems it fit, may also conduct walk in interviews for augmenting the required candidates.
- The committee shall short list the candidates personal Interviews
- The committee shall finalize the short listed candidates and submit their recommendation along with the Personal Data sheets of the candidates and minutes of meeting to the Director who in turn decides the appointment and seeks management approval.
- An offer of Appointment shall be released by the Director.
- Qualifications will be followed as per AICTE and COP-BELA norms.

Assistant Professor: 1st Div. in M.Pharm and B.Pharm. From AICTE & PCI recognized institute.

Associate Professor: Ph.D. with 1st Div. in M.Pharm. and B.Pharm. with five years teaching/industry/research experience

Professor: Ph.D. with 1st Div. in M.Pharm. And B.Pharm. with ten years teaching/industry/research experience or M.Pharm from Industry/Profession with minimum ten years of research experience is eligible for appointment as Professor.

Documents to be submitted at the time of joining:

1. Recent passport size photograph (3).
2. Detailed Bio data
3. Previous Experience Letter
4. Mark sheets/Certificates
5. First page of previous publications/patents
6. PAN Card.
7. Driving License
8. Voter ID/ Passport
9. Pharmacist Registration Certificate.

Promotional Policies

Increments will be based on Self-appraisal as per decided format ad norms of college given in SAF.

- All promotions shall be considered on the basis of merit-cum-seniority basis as Carrer Advancement System (CAS) from among the staff subject to the following conditions.
- There shall be a vacancy existing at the next higher cadre as per the AICTE/PCI prescribed staff pattern and cadre ratio.
- The staff member should have obtained the qualification prescribed by AICTE/PCI for the post to be considered.
- The staff member should have completed the years of service as prescribed here under to be considered for the vacant post.

Resignation/Termination Policies

- During the period of probation an employee may be terminated or he/she can resign giving one month notice to Director or one month's salary in lieu of such notice. Similarly in case of termination employee shall be served one month notice or one month salary lieu of notice.
- After declaration of probation, an employee may be terminated or he can resign giving a month's notice on either side or one month's salary in lieu of such notice.

- 14 Days absence without leave attracts termination of an employee without giving any notice.
- Staff member being unfit for service, the employee may be terminated by serving a notice in advance as per rules mentioned above.
- Resignation during the instruction period will not be accepted. One months' notice is required to be given to be relieved in last month of instruction period.
- Balance Leaves will not be accounted in notice period.

Retirement Policies

- All teaching and non-teaching staff shall retire on completing the age of superannuation, which is 60 years for teaching and 60 years for non-teaching.
- The College will communicate in writing before date of retirement, as a measure of assistance to the retiring employee.
- The age of superannuation as mentioned above shall not be applicable to the Professors of Emeritus and Special Category appointments.

9.1.2. Decentralization in working and grievance redressal mechanism (15)

Decentralization in working is achieved by constitution of following sub committees. All the members are the decision makers of their responsibilities.

- A. Academic Committee
 - a. B. Pharm. Program Committee
 - b. M.Pharm. Program Committee
 - c. Research Program Committee
- B. Finance Committee
- C. Building Committee
- D. Library Committee
- E. Sports Committee
- F. Cultural Committee

B.PHARM PROGRAM COMMITTEE**Objective:**

The committee is constituted to plan, review, monitor and advice on all matters concerning the contents and educational process of B.Pharm degree in the institution.

Role & Responsibilities

- Discuss the problem concerning curriculum, syllabus and the conduct of classes.
- Periodically reviewing the progress of the classes.
- Discuss with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.
- Communicating its recommendation to the Head of institution on academic matters.
- The program committee shall meet at least thrice in a semester preferably at the end of each sessional exam (Internal assessment) and before the end semester exam.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	98887-75589	shailesh.bela@gmail.com
2	Dr. Satnam Singh	Professor	99145-44768	pharmacist_satnam@rediffmail.com
3	Dr. Monika Gupta	Professor	81468-91785	monikaguptaa@gmail.com
4	Dr. Rahul Kumar Sharma	Asstt. Prof.	94615-51680	Buntyrahul177@gmail.com
5	Ms. Punam Gaba	Asstt. Prof.	98729-59113	punam_gaba@yahoo.co.in

M.PHARM PROGRAM COMMITTEE**Objective**

The committee is constituted to plan, review, monitor and advice on all matters concerning the contents and educational process of M.Pharm degree in the institution.

Role & Responsibilities

- Discuss the problem concerning curriculum, syllabus and the conduct of classes.
- Periodically reviewing the progress of the classes.
- Discuss with the course teachers on the nature and scope of assessment for the course and the same shall be announced to the students at the beginning of respective semesters.

- Communicating its recommendation to the Head of institution on academic matters.
- The program committee shall meet at least thrice in a semester preferably at the end of each sessional exam (Internal assessment) and before the end semester exam.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	98887-75589	shailesh.bela@gmail.com
2	Dr. Sandeep Kumar	Professor	9988151592	sandeep_pharm70@yahoo.com
3	Dr. Monika Gupta	Professor	81468-91785	monikaguptaa@gmail.com
4	Dr. A.S. Kushwah	Professor	98883-77383	kushwah_ph05@yahoo.co.in
5	Dr. Satnam Singh	Professor	99145-44768	pharmacist_satnam@rediffmail.com

Research Program Committee

Role & Responsibilities

- To promote research activities among students and faculty.
- To make annual research planner for postgraduate students.
- To notify and conduct various research presentations of students throughout year.
- To help students and faculty publish research work and presentation at national and international level.
- To keep record of various awards won and presentations made by students and faculty at national and international level.

S. No.	Name	Designation	Mobile Number	E-mail id
1	Dr. Shailesh Sharma	Director	9888775589	shailesh.bela@gmail.com
2	Dr. Richa Gupta	Asso. Prof.	90413-93001	richa25_gupta@yahoo.com
3	Ms. Navjit Kaur	Asstt. Prof.	98150-06196	navjit009saini@yahoo.com

Other Committees and Key Persons

S. No.	Committee	Key Persons
1	Finance Committee	S. Sukhwinder Singh, Dr. S. S. Walia, Dr. Monika Gupta, Dr. Shailesh Sharma,
2	Purchasing Committee	Dr. B. S. Bola, S. Sukhwinder Singh, Dr. Shailesh Sharma
3	Building Committee	S. Sukhwinder Singh, S. Amarjit Singh, Dr. Shailesh Sharma
4	Library Committee	Dr. A.S.Kushwah, Ms. Sharanpreet Kaur, Ms. Monica Banger
5	Sports Committee	Mr. Pritpal Singh, Mr. Harsimran Singh, Ms. Baljeet Kaur
6	Cultural Committee	Mr. Satnam Singh, Ms. Simranjit Kaur, Mr. Harsimran Singh , Ms. Gurminder Kaur, Ms. Manpreet Kaur

Grievance Redressal Cell

The college has a Grievance Redressal Cell; the committee members are nominated by the Director of the college and it works under his supervision, for solving grievance of students, staff & parents.

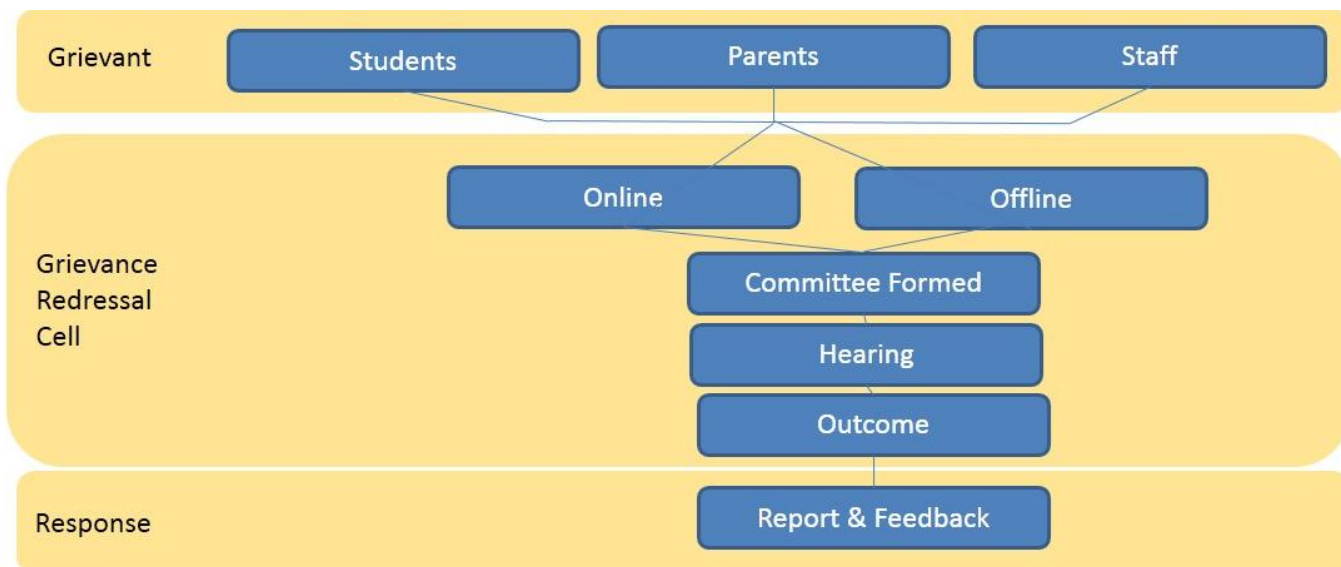
Grievance Redressal Mechanism

The students are the main stakeholders in any institution imparting education, and it is our endeavor to make all efforts to ensure transparency in all the activities at different stages.

The grievances may broadly include the following complaints of the aggrieved students

a. Academic (Grievance related to assessment, Grievance related to victimization, Grievance related to attendance, Grievance related to charging of fees, Grievance regarding conducting of examinations, completion of syllabus, teaching methods etc)

b. Non-Academic (Harassment by colleague /students or the teachers complaints regarding class room teaching, class room management etc.) Complaints by students, parents and staff can be made in writing or oral to the Principal/ Staff. This complaint is then resolved by discussion in meeting by the committee and if required the aggrieved may be involved.

Mechanism for Grievance Redressal

Putative Action: Depending on the nature and severity of the offence, one or more of the following putative action(s) may be implemented:

For Employees:

- Written apology
- Warning
- Withholding of increments.
- Demotion / transfer to lower / other service, grade or post.
- Compulsory retirement.
- Termination of service / Dismissal from service

For Students:

- Written apology
- Warning
- Withholding / withdrawing Scholarship / Fellowship and Other Benefits.
- Rustication from the college for a known period.
- Expulsion from the college.

9.1.3. Delegation of financial powers (15)

1. The committee comprises of Chairman-Pharmacy/President-Pharmacy Director (member secretary) and other trustees as mentioned earlier.
2. The BoG has delegated financial powers to the Manager (Society) and member secretary.
3. Budget allocation is decided by the financial committee.
4. The finance committee examines the requirements submitted by the institute and approval are given with or without modification.
5. To make system transparent and effective, purchase committee is constituted every three years. This committee which is led by Director is responsible for finalizing various purchase orders.
6. Adequate budget is allocated and expenditure is monitored. In no circumstances, academic activities and regulatory compliances are compromised.
7. Every year bulk purchasing is done before the commencement of academic year; this encompasses almost all the requirements for smooth conduct of academic session.
8. If still some contingency purchase is to be made then Director utilizes his authority to arrange to affect the purchase with the permission and approval of Chairman-Pharmacy/President-Pharmacy. If while making budget some routine expenses could not come into consideration or for some urgent purchase, special allocation of funds are made on a case to case basis without hampering productivity.

Delegation Powers

S. No.	Designation	Power of Delegation
01	Manager	Full Powers
02	Director	Full Powers
03	Director (Daily Basis)	Rs. 10,000/-
04	Head of Departments (with permission of Director)	Rs. 5,000/-
05	Faculty (with permission of Director)	Rs. 2,000/-
06	Office Supdt. (Petty Cash per Month)	Rs. 10,000/-

9.1.4. Transparency and availability of correct/unambiguous information in public domain (10)

The institute has a website (www.copbela.org) which has following information displayed on it:

1. About College
2. BoG/Academic Council/Board of Studies and minutes of Meeting
3. Vision, Mission, PEOs & POs
4. Faculty details
5. Policies/Rules/Process
6. Tri-annual newsletter Communique
7. Various committees
8. Audit report
9. Location of institute on Google Map
10. Admission criteria
11. Details of MoUs
12. Academic calendar
13. Co/extra-curricular activities
14. Photo Gallery

9.2. Budget Allocation, Utilization, and Public Accounting at Institute level (30)

For 2021-22

Total Income: 29917684				Actual expenditure :29272088			Total No. of students: 358
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Non-recurring	Special Projects/Any other,	Expenditure per student
27867601	00	594000	1456083	28679138	592950	00	81765.61

For 2020-21

Total Income:20239519				Actual expenditure (till ...):24396137			Total No. of students:318
Fee	Govt	Grant(s)	Other Sources (specify)	Recurring including Salaries	Non-recurring	Special Projects/Any other,	Expenditure per student
16642957	00	1030726	2565836	24396137	00	00	76717.41

For 2019-20

Total Income:26119557				Actual expenditure (till ...):26483002			Total No. of students:318
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Non-recurring	Special Projects/Any other,	Expenditure per student
19652521	00	2010615	4456421	26483002	00	00	83279.88

For 2018-19

Total Income:25510513				Actual expenditure (till ...):28045936			Total No. of students:318
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Non-recurring	Special Projects/Any other,	Expenditure per student
22478185	00	2800	3029528	28045936	00	00	88194.77

Items	Budgeted in 2021-22	Actual expense in 2021-22	Budgeted in 2020-21	Actual expense in 2020-21	Budgeted in 2019-20	Actual expense in 2019-20	Budgeted in 2018-19	Actual expense in 2018-19
Infrastructure Built-Up	600000	581064	120000	1139063	500000	411627	750000	667810
Library	300000	151564	150000	73909	150000	45326	100000	64973
Laboratory equipment	800000	592950	100000	00	100000	00	100000	00
Laboratory consumables	700000	621278	500000	456645	700000	609292	700000	609831
Teaching and non-teaching staff salary	18500000	18303996	17500000	16979749	16500000	16187273	17000000	16936153
Maintenance and spares	3500000	3151714	1800000	1631335	2500000	2199088	2300000	2192222
R&D	2100000	2076125	800000	502500	600000	541320	500000	443875
Training and Travel	400000	307090	600000	599196	2400000	2279349	2700000	2549291
Miscellaneous expenses *	2000000	1906224	1300000	1296264	2500000	2248686	2500000	2214417
Others, specify	1800000	1580083	2000000	1717476	2000000	1961041	2500000	2367364
Total	30700000	29272088	24870000	24396137	27950000	26483002	29150000	28045936

9.2.1. Adequacy of budget allocation (10)

Each year budget is prepared according to the needs, regulatory requirements may it be essential or sometimes desirable. While making budget demands/requirements of various departments, committees, laboratories, and library are taken into consideration. As there is no perfect budgeting process which can forecast urgency/contingency; there is always room to increase/sanction the fund for such unavoidable demands. The sole criterion while drafting the budget is to increase quality of academic input (and thereby output as well) through focusing on research and development, training and placement, exposure to industries, up gradation of educational credentials. A draft budget will be sent to board of management for approval. The budget allocated during the last three years was found to be adequate enough to meet the expenses under different heads.

9.2.2. Utilization of allocated funds (15)

During last three years budget allocation and its utilization is in order and no inadequacy was observed.

Following is the summary of the same.

S. No.	Financial Year	Funds allocated (INR)	Funds Utilized (INR)	% Utilization
1	2021-22	3,07,000,00.00	2,92,720,88.00	95.35%
2	2020-21	2,48,700,00.00	2,43,961,37.00	98.09%
3	2019-20	2,79,500,00.00	2,64,830,02.00	94.75%

9.2.3. Availability of the audited statements on the institute's website (5)

The audited statements are available on the college website www.copbela.org

9.3. Library and Internet (20)

9.3.1. Quality of learning resources (hard/soft) (10)

Zero deficiency report is available with library. Well maintained library with e journals of international repute are subscribed. A dedicated section is there with fifteen computers for high speed internet facility to access material online as well. Following are the facilities from view point of infrastructure and resources (offline & online) in library:

S. No.	Learning Resources available in Library	Number of Resources
1.	Total No. of Books	11228
2.	Total No. Titles of the books	2407
3.	Total No. of E-books	145
4.	Total No. of Printed Journals	20
5.	Total No. of E-journals	200
6.	Total No. CDs	101
7.	News paper	10
8.	Magazines	06
9.	Whether the dissertation/thesis of PG research scholar have been collected and maintained in the library	Yes
10.	Book Bank Facility	Yes
11.	Computers	Yes
12.	Seating Capacity	50

Accessibility to Students

Regular timing of library is from 9.30 am to 4.45pm. Each student is issued with 05 books for 15 days and can re-issue the same for another 15 days.

Any reference book may be issued to students for overnight or for Sunday.

9.3.2. Internet (10)

S. No.	Particular	
1.	Name of the Internet provider	BSNL Lease line BSNL Fibernet BSNL Broadbad
2.	Available bandwidth	158 MBPS and 220 MBPS
3.	Wi Fi availability	Yes in whole campus
4.	Internet access in labs, classrooms, library and other offices	Available
5.	Security arrangements	e-scan antivirus, Jammers, website locking system

Self-Assessment for Criterion 09

S. No.	Assessment Parameters	Marks	
		Prescribed	Institute
9	Governance, Institutional support and Financial Resources	100	99.25
9.1	Organization, Governance and Transparency (50)	50	50
9.1.1.	Governing body, administrative setup, functions of various bodies, service rules procedures, recruitment and promotional policies (10)	10	10
9.1.2.	Decentralization in working and grievance redressal mechanism (15)	15	15
9.1.3.	Delegation of financial powers (15)	15	15
9.1.4.	Transparency and availability of correct/unambiguous information in public domain (10)	10	10
9.2	Budget Allocation, Utilization, and Public Accounting at Institute level (30)	30	30
9.2.1.	Adequacy of budget allocation (10)	10	10
9.2.2.	Utilization of allocated funds (15)	15	15
9.2.3.	Availability of the audited statements on the institute's website (5)	05	05
9.3.	Library and Internet (20)	20	19.25
9.3.1.	Quality of learning resources (hard/soft) (10)	10	10
9.3.2	Internet (10)	10	9.25
	Total Marks	100	99.25
	Percentage	99.25%	

PART C: DECLARATION

The head of the institution needs to make a declaration as per the format given-

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institutes shall fully abide by them.
- It is submitted that information provided in this Self-Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute will be initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, post visit and subsequent to grant of accreditation.

Place: BELA (Ropar)

Date: 26-08-2022 13:24:34

Head of the Institute

Name: Dr. Shailesh Sharma

Designation: Director

Signature:



Seal of the Institution:

Director-cum-Member Secretary
Amar Shaheed Baba Ajit Singh Jujhar Singh
Memorial College of Pharmacy
BELA, Distt. Ropar (Punjab)-140 111

Annexure I(A)

PROGRAM OUTCOME (POs)

- 1. Pharmacy Knowledge:** Possess knowledge and comprehension of the core and basic knowledge associated with the profession of pharmacy, including biomedical sciences; pharmaceutical sciences; behavioral, social, and administrative pharmacy sciences; and manufacturing practices.
- 2. Planning Abilities:** Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.
- 3. Problem Analysis:** Utilize the principles of scientific enquiry, thinking analytically, clearly and critically, while solving problems and making decisions during daily practice. Find, analyze, evaluate and apply information systematically and shall make defensible decisions.
- 4. Modern Tool Usage:** Learn, select, and apply appropriate methods and procedures, resources, and modern pharmacy-related computing tools with an understanding of the limitations.
- 5. Leadership Skills:** Understand and consider the human reaction to change, motivation issues, leadership and team-building when planning changes required for fulfillment of practice, professional and societal responsibilities. Assume participatory roles as responsible citizens or leadership roles when appropriate to facilitate improvement in health and well-being.
- 6. Professional Identity:** Understand, analyze and communicate the value of their professional roles in society (e.g. health care professionals, promoters of health, educators, managers, employers, employees).
- 7. Pharmaceutical Ethics:** Honour personal values and apply ethical principles in professional and social contexts. Demonstrate behavior that recognizes cultural and personal variability in values, communication and lifestyles. Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.
- 8. Communication:** Communicate effectively with the pharmacy community and with society at large, such as, being able to comprehend and write effective reports, make effective presentations and documentation, and give and receive clear instructions.
- 9. The Pharmacist and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety and legal issues and the consequent responsibilities relevant to the professional pharmacy practice.
- 10. Environment and Sustainability:** Understand the impact of the professional pharmacy solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 11. Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. Self-assess and use feedback effectively from others to identify learning needs and to satisfy these needs on an ongoing basis.